

PATIENT-CENTERED OUTCOMES RESEARCH INSTITUTE

BOARD OF GOVERNORS MEETING

Monday,  
September 15, 2014

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Washington, DC 20037

[Transcribed from PCORI webcast.]

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BOARD OF GOVERNORS

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Grayson Norquist, MD, MSPH (Chair)  
Ellen Sigal, PhD  
Harlan Weisman, MD  
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P R O C E E D I N G S

[10:22 a.m.]

1  
2  
3 CHAIRMAN NORQUIST: Thanks. Good morning.  
4 I'm Dr. Gray Norquist, Chair of the PCORI Board of  
5 Governors. I want to welcome everyone to today's  
6 Board meeting, which is being held in person here  
7 in Washington, D.C. as well as by teleconference  
8 and webinar.

9 Close to 200 people have signed up to join  
10 us online today and we're pleased to have you here.  
11 Instructions for logging in or calling in are  
12 available at our website at [PCORI.org/events](http://PCORI.org/events). All  
13 materials presented to the Board for consideration  
14 today will be available during the webinar and  
15 after will be posted on our website at [PCORI.org](http://PCORI.org).

16 The webinar is being recorded and an  
17 archive will be posted within a day or so. A  
18 reminder, there is a public comment period today as  
19 we always feature during our in-person Board  
20 meetings. It's scheduled for 5:15 eastern daylight  
21 time. We welcome comments both here in the meeting  
22 room and via telephone. Information on how to

1 provide a comment is available on our website at  
2 PCORI.org/events.

3 We welcome your feedback at other times as  
4 well, just email us at info@PCORI.org or provide  
5 input through our website at PCORI.org.

6 Finally a reminder that we're live  
7 Tweeting today's activities on Twitter and you can  
8 join the conversation at #PCORI.

9 So, the first item is to approve the  
10 minutes from our last call, which was August the  
11 26th, so I need -- those were sent out and I need a  
12 motion to approve the minutes, and a second.  
13 Second. Okay, thanks. Any discussion?

14 [No response.]

15 CHAIRMAN NORQUIST: All those in favor?

16 [Ayes.]

17 CHAIRMAN NORQUIST: Any opposed? Any  
18 abstaining?

19 [No response.]

20 CHAIRMAN NORQUIST: Okay, we are not --  
21 because we're in-person we don't need to do a roll  
22 call since we can see all of us here. We would

1 just let the people on the webinar know that we  
2 have a quorum here, but before we get started, the  
3 first item was to have the Executive Director's  
4 Report, but unfortunately today is the last meeting  
5 for one of our esteemed members, Dr. Arnie Epstein,  
6 so we have to embarrass him here just a minute and  
7 we --

8 DR. EPSTEIN: We have to start this way?

9 CHAIRMAN NORQUIST: We have to start this  
10 way and we start with embarrassment. We might as  
11 well get it over with now, right?

12 So, we all have really appreciated, Arnie,  
13 what you've done. And for those of you who don't  
14 know, Arnie has joined, temporarily, I guess, --  
15 just to make sure the Harvard folks know you're  
16 coming back, the federal government at HHS and  
17 because of that, it's kind of precluded him from  
18 being on our Board and we're sorry to lose Arnie,  
19 but we certainly have enjoyed your wisdom and we  
20 hope to have your input from outside when you're  
21 allowed to do that, but we want to thank you very  
22 much for all the work and stuff that you've done



1 for us.

2           It's really been very exciting. You were  
3 one of the originals, you know, it's hard to see  
4 you go at this point.

5           [Applause.]

6           CHAIRMAN NORQUIST: Joe, do you want to  
7 make any comments?

8           DR. SELBY: Sure, I'll take the  
9 opportunity to say something about Arnie. Arnie  
10 was notable, I think, on the Board for the  
11 parsimony with which he used the microphone and  
12 demanded airtime, unlike me and a number of my  
13 colleagues here, he spoke sparingly, but for that  
14 and other reasons, I think, when Arnie spoke,  
15 people listened. And behind the scenes Arnie was  
16 always -- I want to thank you for your patience,  
17 patience with me and patience with processes.

18           You have been a mentor and extraordinarily  
19 helpful, and the only reason that we are willing to  
20 let you go from this version of doing service to  
21 your country is that you found a much more  
22 intensive way to do it and so we're fortunate, we

1 thank you for that and for the four years you spent  
2 with us.

3 CHAIRMAN NORQUIST: And for all of that  
4 effort, we have this wonderful little gift for you,  
5 which is a nice little box with green wrapping and  
6 a blue bow on it. So, I hope there's something  
7 inside of it -- oh, in the PCORI colors. I missed  
8 that.

9 UNIDENTIFIED BOARD MEMBER: -- to \$25.

10 CHAIRMAN NORQUIST: Oh, it was less than  
11 \$25, by the way.

12 [Off microphone discussion.]

13 [Off microphone presentation.]

14 [Applause.]

15 CHAIRMAN NORQUIST: That was a standing  
16 ovation we were giving.

17 DR. EPSTEIN: That was a standing ovation  
18 and I'm touched and I'll say just a few words,  
19 keeping with parsimony. I'm one of a number of  
20 healthcare providers in our Board and I don't have  
21 to tell them especially how often they make  
22 decisions and I've made decisions, without having

1 the information I need to be confident that I was  
2 making the right decision, leave alone sometimes  
3 flying by the seat of my pants.

4           So, when I got a call about the  
5 opportunity to be on PCORI, to do the things we do  
6 and to try and bring information to bear where  
7 patients need it, I was delighted to go ahead and  
8 really do that. And despite the tone of the  
9 discussion this morning, which is we should focus  
10 more and choose where and do better, we do have a  
11 lot to be proud of and I'm really proud of for  
12 having participated in.

13           We stood up this organization. We got  
14 funding some important activities. We've created  
15 an infrastructure to start to support many more,  
16 and we're really, I think, poised to go ahead.

17           It surprised me a little bit that amongst  
18 the things I have enjoyed most about PCORI, though  
19 I care deeply about its mission and the work, has  
20 been my interactions with Joe, the staff, and the  
21 Board members, and I won't single people out  
22 individually except to point out the obvious.

1           Most of the time when I get to serve on a  
2 committee or a Board or a panel, it's because of  
3 expertise that I bring and it's usually accompanied  
4 by seeing the usual suspects, they're people who do  
5 the same thing I do more or less, a little of this,  
6 a little of that, and this is really unusually by  
7 legislative designation, we're sort of an ark and I  
8 remember being shocked when out of the 21 people on  
9 the board or whatever it was, I knew about four or  
10 five.

11           I guess I hadn't joined an organization  
12 like that, and it has been a distinct pleasure for  
13 me -- I'm sure many of you share this -- to meet  
14 the folks on the Board, to work with them. Each of  
15 whom has a different background, a different set of  
16 expertise, and a different take and when I think of  
17 the Board, what comes to mind for me is the old  
18 expression, no weak links, because every single  
19 person here comes here from a podium of  
20 accomplishment and expertise. And so that's been  
21 really great.

22           So, I will stand down after today. What

1 I'd like to remind you of, I'm reminded, Rick and I  
2 are the two big football fans here. I want to  
3 liken this to the second quarter because that's  
4 where you are. There's a game, and you're at about  
5 the second quarter, and it's a long way from over.  
6 And the decisions you make about where to stay the  
7 course, even though it hasn't paid off yet, or  
8 where to veer right and veer left, is what's going  
9 to make this a winning proposition or not.

10 And I'm betting on you. And I'll be  
11 watching from the sidelines, cheering you on, and I  
12 think you can do it. So, please move ahead with  
13 that vision.

14 Thank you very much, all of you.

15 [Applause.]

16 CHAIRMAN NORQUIST: Thanks, Arnie. So,  
17 now we move on to the Executive Director's Report.  
18 So, Joe?

19 DR. SELBY: Thank you, Gray, and good  
20 morning to everyone. I want to be the first to  
21 wish you a happy fourth birthday. In just about a  
22 week it'll be four years since that September 23rd

1 morning when the GAO announced the Board members  
2 and a couple months later you met for the first  
3 time, and the message for today, I think, is one of  
4 looking back at the accomplishments, having really  
5 established a firm infrastructure, a distinctive  
6 method of soliciting, reviewing, and funding  
7 research, a portfolio, which speaks to that, and  
8 preparation for moving forward from this point.

9           So, I hope that you can see this. It's a  
10 little tough with the screen so far away, but a  
11 timeline since the first Board meeting in November  
12 of 2010, this Board -- and really it was Board  
13 effort almost exclusively, got the pilot awards  
14 funding announcement released in September of 2011.  
15 Eight months later in June of 2012, the pilot  
16 projects were awarded.

17           In May of 2012, just after releasing our  
18 National Priorities and the Research Agenda, we  
19 released the first announcements for genuine  
20 patient-centered comparative effectiveness  
21 research, the so-called broad announcement, and  
22 those first awards were released just after the

1 methodology standards were adopted in November of  
2 2012, so those first awards were given out in  
3 December of 2012.

4           Early in 2013, we released the first  
5 targeted awards in June of 2013, and by the end of  
6 2013 in December, we funded the first targeted  
7 award, which focused on improving care and outcomes  
8 in asthma in minority populations. And in early  
9 2014, we released the first pragmatic studies  
10 announcement and the first pragmatic clinical  
11 studies coming from that announcement will be  
12 awarded in January or February of 2015.

13           In the process, in these nearly four years  
14 now, we've elaborated some principles that have  
15 made their way into the research solicitations, the  
16 funding announcements, the application, the review  
17 process, and the conduct of our research, that is,  
18 that our research must be patient-centered, it has  
19 to focus on comparisons that actually matter to  
20 patients, their caregivers, their clinicians, and  
21 it has to consider the outcomes that patients say  
22 are important to them.

1           So, that's patient-centered. It has to be  
2 engaged. We don't do research without engagement  
3 of patients and other relevant stakeholders. We  
4 believe that involving key stakeholders from the  
5 beginning of the process makes our research more  
6 relevant and enhances the potential for  
7 dissemination.

8           And the third somewhat elusive but  
9 critical principle is that this research has to be  
10 likely to change practice. We are not about trying  
11 to understand mechanisms of disease. We are the  
12 last link in the chain. We are aiming for studies  
13 that can change practice, and this is challenging,  
14 it's unusual, I'd say, almost unique among funding  
15 agencies, but it's our mandate.

16           Okay, so we have now funded over -- if we  
17 do not count the PCORnet infrastructure investment,  
18 we've funded over \$400 million -- well over \$400  
19 million in research, almost all of that from the  
20 broad announcements. Key point is that in each of  
21 our priority areas we have seen the emergence of  
22 themes with multiple projects, so if you see a



1 theme up here, it's represented by five or more, in  
2 some cases more than 20 projects.

3 I think you will agree that these themes  
4 speak patient-centeredness, these themes speak a  
5 different approach to funding, a different set of  
6 topics. This is our portfolio. It's the result of  
7 our shared work, the Board, the Methodology  
8 Committee and the staff, we are now working hard to  
9 monitor and manage these projects and to synthesize  
10 the learnings from these themes.

11 So, I'll just go through them quickly. In  
12 assessing prevention, diagnosis, and treatment  
13 options, self-care, caregiver support, palliative  
14 care, under improving health systems, care  
15 transitions, the role of telemedicine, the role of  
16 patient navigators in coordinating care,  
17 collaborative care, that is bringing behavioral and  
18 physical health together in the same settings.

19 Under addressing disparities; tailoring  
20 interventions with cultural and language training,  
21 the role of community health workers, the role of  
22 self-management, and under communication,

1 dissemination research, shared decision making and  
2 parental support in pediatric illness. These are  
3 themes that are distinctive, they are -- they have  
4 become widely known across the country and these  
5 kind of themes are associated with PCORI and over  
6 the next year or two we will be reporting back on  
7 the results of these studies and we hope that the  
8 Board holds us to this, to report back to you on  
9 what we've learned from these important and unique  
10 theme areas.

11           But I also want to point out that these  
12 four years have been a refining and evolving  
13 process of increasing specificity, focus, and  
14 larger expenditures. So, the pilots were up to  
15 \$500,000 for two years and they explicitly were not  
16 comparative effectiveness. They were research  
17 projects on how you do research while engaging  
18 patients and other key stakeholders. There were no  
19 restrictions on the clinical area.

20           Then we got to the first CER, which was a  
21 broad announcement. These emphasized patient-  
22 centeredness, stakeholder engagement; they had to

1 be comparative effectiveness research, but again,  
2 no stipulation about the clinical area. Any area  
3 was eligible to be considered for funding as long  
4 as it offered an opportunity to change practice.  
5 These were somewhat larger, up to \$1.5 million in  
6 direct costs, up to three years in length.

7           Then we moved to the targeteds. These  
8 could be -- these were for much larger amounts of  
9 money, in fact, the fall prevention initiative, as  
10 you know, was a \$30 million investment. They also  
11 are always comparative effectiveness research that  
12 involves patient-centeredness and more robust  
13 engagement is expected and they are focused on  
14 single clinical areas with narrower research  
15 questions.

16           And finally, the pragmatic clinical  
17 studies are CER, they require head-to-head  
18 comparisons of specific questions. We put out the  
19 high priority topics, we review the letters of  
20 intent for specific questions, they are large, they  
21 can be up to \$10 million in direct costs and last  
22 five years. And they're associated, as I said,

1 with a set of high priority topics, which comes  
2 from our advisory panel, so, the stakeholder driven  
3 infrastructure we've built for getting to high  
4 priority topics.

5           So, a trajectory that's gone from  
6 completely non-targeted to rather specifically  
7 focused in the pragmatic studies.

8           Here are the topics in the targeted PFAs,  
9 and you'll see that each one of these is a specific  
10 disease and with maybe one exception and that is  
11 transitional care. Three of these have been funded  
12 or I should say the first two have been funded, the  
13 third one, the treatment options for uterine  
14 fibroids is about to be announced just about any  
15 day, is my understanding. Transitional care and  
16 obesity, my understanding is we will bring these  
17 proposed awards to you in our last meeting of this  
18 fiscal year in late September.

19           And the improving blood pressure control  
20 in vulnerable populations has been approved by the  
21 Board and is being developed in collaboration with  
22 NHLBI now. So, those are our targeted

1 announcements. You see they've gotten more  
2 specific.

3 I'm not going to scare you -- don't worry  
4 that I'm going to try to take you through this  
5 again, but just to say that we have worked  
6 diligently with the Scientific Oversight Committee  
7 at refining our prioritization process. The key  
8 points are that we involve the SOC and we're moving  
9 toward involving the SOC earlier in the process.

10 The advisory panels, the multi-stakeholder  
11 advisory panels play a key role in prioritizing  
12 topics and they can come out with one of four  
13 recommendations, one is to not pursue the topic,  
14 one is to include it as a mention in the broad  
15 funding announcements, the next is to include it as  
16 a high priority topic in the pragmatic clinical  
17 studies announcement, and the most intense would be  
18 to issue a targeted funding announcement on this  
19 topic.

20 We continue to work on refining this  
21 process with the SOC, but I think we've got the  
22 ingredients here and it's a matter of making this

1 work efficiently and quickly.

2           So, we're very excited, particularly on  
3 the staff, at the prospects for the first set of  
4 announcements, awards, under the pragmatic clinical  
5 studies announcement, so this slide and the next  
6 show the topics that have actually been submitted  
7 to PCORI, the final proposals that have been  
8 submitted.

9           So, you'll see on their treatment  
10 alternatives for bipolar disorder, the management  
11 of ductal carcinoma in situ, breast cancer  
12 screenings -- alternative approaches to breast  
13 cancer screening, the use of colony stimulating  
14 factor in cancer, just a couple more, alternatives  
15 for venous thrombosis prevention, genetic testing  
16 for coronary artery disease, new therapies --  
17 comparative effectiveness of new therapies for  
18 hepatitis C, the use of proton beam therapy versus  
19 traditional radio therapy in cancer, new therapies  
20 for sickle cell disease.

21           So, these are high priority topics. I  
22 think unlike the state today when you look at our

1 portfolio, in January you will see at least six of  
2 these topics in our portfolio with a sizable  
3 investment of funds. That changes -- begins to  
4 change the tone of the way we think about our  
5 portfolio and gives us a lot of opportunities to  
6 build on the studies that we fund through this  
7 initiative.

8           Here are some patient-centered versions of  
9 these very same questions with regard to hip  
10 fracture. Just take a look at those, I won't read  
11 them off here. People at home are listening and  
12 can also see the slide, but just to say that these  
13 reflect questions that face patients and their  
14 clinicians every day. And those are the kinds of  
15 big studies that we will be funding.

16           So, as we move toward 2015, we will build  
17 on the foundation of patient-centeredness,  
18 stakeholder engagement, and research that's likely  
19 to change practice. We'll actively manage the  
20 portfolio that we've got, synthesizing knowledge  
21 from the thematic areas I showed you and  
22 identifying opportunities for dissemination from

1 this working partnership with AHRQ.

2           We'll work -- we are working with the  
3 Science Oversight Committee, with our advisory  
4 panels, with our stakeholder groups, with those who  
5 write our topic briefs, in fact, to continue moving  
6 toward -- more swiftly towards highly specific  
7 focused high priority questions. This is really,  
8 in my experience, the most surprisingly difficult  
9 challenge is to get to what's the right question,  
10 and as someone said a little earlier today, you can  
11 get even a group of experts in the room and still  
12 come out with five different themes on what's the  
13 exact next topic that will change practice, but we  
14 continue working on it and we are getting closer.

15           And we will identify methods, along with  
16 the SOC, to move these topics through our topic  
17 generation and prioritization processes more  
18 quickly.

19           Okay, so that's just a few comments on  
20 where we are. Some late-breaking news now, we have  
21 gone through a good part of the first GAO review.  
22 We received our notification in March and they said



1 that the two topics they really wanted to focus on  
2 most closely at this point in our history were to  
3 what extent have we established the research  
4 priorities and the funded research in accordance  
5 with the legislation, and to what extent are we  
6 making efforts to evaluate the effectiveness of our  
7 work.

8           We had an entrance conference in April,  
9 we've had a number of meetings with GAO team, each  
10 focusing on a specific topic such as the role of  
11 our advisory panels, how we plan to do  
12 dissemination, how we're doing evaluation, our  
13 merit review process, PCORnet, and research  
14 funding. There will be some additional meetings in  
15 late September, early October. We expect an exit  
16 conference with the GAO at some point during the  
17 winter, probably in December, and then GAO's report  
18 will be delivered to Congress in March of 2015.  
19 So, we will keep you posted on this process.

20           I just want to say that in case you have  
21 not seen it, in case you haven't been to the PCORI  
22 website over the weekend, we have a new website.

1 So, after about 11 months of very hard work that  
2 involved a consultation with a large number of you,  
3 a lot of stakeholders and staff, we have a new  
4 really second decade of the 21st century website  
5 that is prepared -- you can't say 21st century  
6 because the first one was that too, but this one is  
7 really state of the art. It has greater  
8 flexibility, it serves users much better from  
9 patients to applicants, it's really expandable  
10 because we know we're going to be using it for all  
11 manner of activities going forward.

12           It uses more video, more interactive  
13 features, and very importantly, don't do it during  
14 this meeting but when you have a break, get out  
15 your iPhone and go to [www.PCORI.org](http://www.PCORI.org) on your iPhone  
16 and you'll see that it's perfectly fit to your  
17 iPhone now, so that's -- Bill Silberg is real proud  
18 of that. So are we all.

19           And somehow my changer just stopped  
20 working, my advancer. It works just as well on a  
21 Droid phone, I trust.

22           We don't have an app, but we are working

1 on an app, right, Orlando? Yes.

2           Okay. Here's a big -- I think this is my  
3 last piece of news, but this is a big piece of  
4 news. Sharon Levin, attention, we're going to have  
5 an annual meeting, our first annual meeting in the  
6 Fall of 2015. One of the -- it'll be an  
7 opportunity to update our work, particularly on  
8 some of those thematic areas I showed you. It'll  
9 be multi-day, multi-track. A lot of our awardees  
10 will be there, but we will also have plenary and  
11 panel discussions, invite some research patient  
12 partnerships to present, hold some how-to workshops  
13 and evidence, action, network sessions.

14           So, our engagement folks, our science  
15 folks, probably our contracting folks will all be  
16 heavily involved, and our program planning  
17 committee has been formed, is my understanding, so  
18 we're talking about it and we will update you more  
19 on this quickly.

20           So, for today, in just a minute you're  
21 going to hear about the dashboard, get your next  
22 dashboard update. Then we have a discussion,

1 really a presentation on the 2015 budget and  
2 hopefully a vote for approval. Then you're going  
3 to hear a second iteration on the peer review and  
4 release of research findings draft proposal, which  
5 we're going to ask the Board to approve for  
6 postings for public comments. So, this is the last  
7 item in the legislation that we have to post for  
8 public comment. We will probably post other items,  
9 but this is the last one we're mandated to. And  
10 we're very anxious to get that out.

11           You will hear a presentation over the noon  
12 hour from four PIs within PCORnet, two from CDRNs  
13 and to PIs from PPRNs with a panel discussion that  
14 will be a great chance for the entire Board to  
15 catch up a bit on how PCORnet is progressing after  
16 six months.

17           We'll hear a Methodology Committee update  
18 and you'll be amazed at the amount of activity that  
19 the Methodology Committee has embraced and engaged,  
20 and then you'll hear, as Gray mentioned, two very  
21 interesting presentations that will be presented  
22 back-to-back, one on improving healthcare systems

1 presented by Dr. Steve Clauser, the program  
2 director for our Improving Healthcare Systems  
3 program at PCORI, and then Dr. Rick Kronick from  
4 AHRQ will present the portfolio funded by the PCORI  
5 PCOR trust fund at AHRQ. And it will be very  
6 interesting, I think, to put those two back-to-back  
7 and consider how we complement each other and avoid  
8 overlap and make sense of our dual but kind of  
9 closely related missions in this area.

10 So, Gray, I think there might be time for  
11 a question or two if -- how are we doing on time?

12 CHAIRMAN NORQUIST: [Off microphone.]

13 DR. SELBY: So, we've got -- still have  
14 about 25 minutes.

15 CHAIRMAN NORQUIST: Why don't we take any  
16 questions that -- on what Joe has presented so far  
17 and then he needs to do his dashboard review.  
18 Harlan Weisman. By the way, since we're not on  
19 camera, will you please say your name.

20 DR. WEISMAN: Harlan Weisman. Joe, thanks  
21 for the overview. You listed two points of  
22 interest of the GAO, the first one on

1 prioritization I understand and I know we have an  
2 effort underway for evaluation of effectiveness of  
3 PCORI. Can you -- when will we know more about  
4 that, and, one, the process of doing the  
5 evaluation, our self-evaluation, and two, the  
6 results of that evaluation?

7 DR. SELBY: Good. There's actually an  
8 amazing amount of work going on in evaluation. I  
9 was just saying to Michele Orza that it's really  
10 time for a Board presentation. There is an  
11 external PCORI evaluation group with external  
12 evaluation experts as well as Board and Methodology  
13 Committee members, and there's a lot of work --  
14 we've really been spending a lot of effort getting  
15 our data into order and beginning to evaluate more  
16 aspects of our portfolio, the investigator pool,  
17 the merit review process. So, we will aim to get a  
18 presentation either on an open Board call or at the  
19 November meeting to update you on evaluation, a lot  
20 to be said there.

21 DR. WEISMAN: Thank you.

22 CHAIRMAN NORQUIST: Ellen.

1 MS. SIGAL: Thank you for the presentation.

2 CHAIRMAN NORQUIST: Wait, you need to say  
3 your name.

4 MS. SIGAL: Oh, I'm sorry. Ellen Sigal,  
5 Board member. Thank you for the presentation. I  
6 just want a clarification on the dashboard. So,  
7 the topics for focus going forward are incredibly  
8 important. I just want to make sure they're not  
9 comprehensive and there are others that may be  
10 added to it.

11 DR. SELBY: On the dashboard?

12 MS. SIGAL: Yeah, on the priority setting  
13 -- on the focused priorities that you listed, the  
14 two pages.

15 DR. SELBY: Yes, I think the topic -- one  
16 way or the other, the topic prioritization process  
17 continues and I think we will always want to be  
18 open to new and important topics as they arise, so,  
19 yes. New topics will be added. Some may well be  
20 taken off as well for one reason or another.

21 CHAIRMAN NORQUIST: Allen.

22 DR. DOUMA: Allen Douma, Board member.

1 It's exciting to see, as you're presenting more and  
2 more data as we go on and celebrating our fourth  
3 anniversary, that there's research that was funded  
4 a couple years ago and we actually have some  
5 results that are out. I would just like to urge us  
6 to make it more easily -- make it easier for people  
7 to find the results of our research and we might  
8 even want to -- for example, our database that you  
9 can search on the new website has the date  
10 something was funded but not the date it's expected  
11 to be completed, and that would be helpful.

12           And also consider -- we did put a lot of  
13 work into developing topic briefs, for example,  
14 which could be excellent information for a lot of  
15 people as a summary of what's going on out there  
16 and so consider that as product of our work as  
17 well.

18           DR. SELBY: Good. I believe we do post --  
19 we do post the topic briefs. Is that right,  
20 Romana? I know I've seen some. So, you can find  
21 the topic briefs from our advisory panels on the  
22 website, Allen, and I will mention that two of



1 them, one on ductal carcinoma in situ and I think  
2 the other one, treatment of bipolar disorder  
3 actually were published in the same issue of the  
4 Annals of Internal Medicine.

5 DR. DOUMA: Yeah, I apologize. Perhaps we  
6 could make it even easier for somebody like me to  
7 find them as a separate --

8 DR. SELBY: With the new flexible website,  
9 that should be a cinch.

10 CHAIRMAN NORQUIST: I don't see any other  
11 cards up. Okay, Joe, you're on for the dashboard.

12 DR. SELBY: I promise this is almost the  
13 last thing I'm going to be presenting today.

14 Okay, so here we have a picture of three  
15 dashboards, and this is all about -- and you  
16 actually have a copy -- no, you have a copy of the  
17 dashboard in front of you, but this slide is a way  
18 to explain that dashboard. You can see the three  
19 colors in the upper left, green means we're on  
20 target, the yellow means we're off-target but we've  
21 got an explanation and we think it's -- you know,  
22 that it's under control and we are going to make

1 it, ultimately. The third is that we need to talk  
2 about this, it needs attention.

3 In the lower left you see a version of a  
4 dashboard, which is not ours, that is entirely  
5 green. In the middle and the top row, you see a  
6 dashboard, which, in fact, is ours. It has a lot  
7 of green and it has a lot of yellow, it has no red,  
8 and then you see one to the right and the lower  
9 corner, and that also is not ours that one would  
10 mean there was a lot of significant problems to  
11 discuss.

12 So, we're talking about the dashboard that  
13 looks like this, and I'm going to highlight -- I'm  
14 not going to talk about everything, but I'm going  
15 to highlight some of the areas both on the green,  
16 because it's important to celebrate, and on the  
17 yellow.

18 So, the first thing I'm going to talk  
19 about, we will always have on the dashboard a kind  
20 of qualitative story about some way in which we're  
21 either growing our research or disseminating and  
22 implementing it or influencing research conducted

1 by others. We're also going to talk about the  
2 impact of engagement, of involving patients and  
3 stakeholders in the merit review process. We're  
4 going to talk about the ambassadors, the PCORI  
5 ambassadors and training for those, and we're going  
6 to have a happy little story about responsiveness  
7 of the research portion of PCORI to the inquiries  
8 of would-be applicants. So, we're going to go to  
9 those first.

10           So, this is just a story, I won't read it  
11 except to say that Dr. Debra Fiser, after many  
12 years of being the Chair of Pediatrics and then the  
13 Dean of the School of Medicine at the University of  
14 Arkansas, as she was winding down -- really, I  
15 think she was dean for something like -- oh, seven  
16 years it says -- she went to a PCORI town hall  
17 meeting in Memphis and decided after that that what  
18 she would do as she went back to mentoring and  
19 training young physicians was to set up at the  
20 University of Arkansas a Center for Comparative  
21 Effectiveness Research in Pediatrics. And my  
22 understanding is it was funded by UAMS. I visited

1 its website over the weekend and they are training  
2 young investigators to engage patients and  
3 stakeholders and conduct comparative effectiveness  
4 research. So, that's just a nice example, one of  
5 many, really, we hear about, of influence that  
6 PCORI is having on the research community and  
7 partnerships between researchers and other  
8 stakeholders around the country.

9           So, this is the result of a merit review  
10 survey. So, we survey our merit reviewers, the  
11 patients, the other stakeholders, and the  
12 scientific stakeholders, after every cycle, and  
13 this shows you vertically the first -- or, from  
14 cycle two through the winner of 2014, so the four  
15 out of the first five cycles, skipping the first  
16 one, and you see the sample size, you see the  
17 response rates, I guess it fell off just a little  
18 bit this last time, but we get very high response  
19 rates, and the percent who agree somewhat or  
20 strongly with the statement the patient stakeholder  
21 reviewers provided valuable input during the  
22 discussion is high.

1           In fact, if anything, going up recently;  
2 so from 85 to 94 percent and we broke this out by  
3 the type of reviewer.

4           So, you won't be surprised that the  
5 patients were quite convinced that they provided  
6 important input. They are the violet or purple on  
7 the left. The other stakeholders, just about as  
8 convinced that they provide meaningful input, but  
9 even the scientists, who were the ones you might  
10 suspect would doubt whether those non-scientists  
11 were contributing, upwards of 80 percent of them  
12 always said that the patients and stakeholders  
13 provided valuable input during the discussion.

14           Here's a second question, "The scientific  
15 reviewers provided valuable input during the  
16 discussion", and they appeared to be doing a good  
17 job. All three groups scored their contributions  
18 as very important. And here's one, "Overall,  
19 scientific reviewers were receptive to input from  
20 patients and stakeholders." And, again, here you  
21 need to look at predominantly the patients and  
22 stakeholders, but they are very high on reporting

1 the extent to which the scientists took their  
2 perspectives into account, and I think -- you know,  
3 I credit our merit review team at PCORI for the  
4 training that they do in an ongoing way and in many  
5 ways, the mentors that support our patient and  
6 stakeholder reviewers so that they can hold their  
7 own in these discussions.

8           Also, in case you haven't seen it, I  
9 wanted to draw your attention that was in the  
10 Annals of Internal Medicine, which basically says,  
11 and this is from our first cycle -- which  
12 essentially says that patient and stakeholder  
13 reviewers and scientific reviewers disagree with  
14 each other dramatically after they've read and  
15 scored the applications and before they've had the  
16 conversation. After they come together and have  
17 the conversation, they come dramatically together  
18 so that the scores of patient stakeholders and  
19 scientists are very close, after discussion, and  
20 that everybody has moved.

21           It's not that only the patients have  
22 moved, so this is in some ways our first

1 quantitative research publication and we are  
2 currently following it up, because there's a lot  
3 more to be asked, but this analysis of merit review  
4 scores is very useful and it has not been done very  
5 often by anybody. And I will -- I want to say a  
6 special -- acknowledge Rachael Fleurence for  
7 leading this work and really thank Mike Lauer for  
8 being a very steady thought partner and co-author  
9 on this.

10 But as I said, this research continues and  
11 we will have subsequent papers telling you more  
12 details about how these score patterns trend.

13 This is the ambassador program, a program  
14 in which stakeholders of all sorts are trained to  
15 represent PCORI, to speak about it, and to promote  
16 it, and you'll see here that the numbers are high  
17 and the groups include large numbers of patients,  
18 large numbers of advocates, that is, folks from  
19 patient organizations but also large numbers of  
20 researchers and clinicians. So, the community of  
21 people around the country has grown and I believe  
22 this is actually ahead of the numbers we planned

1 for this year.

2           This is the story about science response  
3 time. Two pieces to this, the first time the blue  
4 line, first, I'll draw your attention to -- we had  
5 -- in quarter four of 2013, we had 7,800 tickets  
6 submitted, that is questions submitted by  
7 applicants. We revamped our applications and  
8 improved them dramatically and the number of  
9 tickets has gone down and been rather steady at  
10 about 4,000 to 5,000 since then.

11           But now I'll draw your attention to the  
12 lighter blue vertical bars, our ability to respond  
13 within three business days to inquiries has gone  
14 from 54 percent to 99 percent, and so now our  
15 science response times are equivalent to our  
16 contracts response times, and I have to call out  
17 one person here, this is Emma Djabali who is over  
18 against the wall, and Emma really has spearheaded  
19 this effort to enhance our response time. So, I  
20 think those of you who feel that questions about us  
21 not being responsive to phone inquiries or email  
22 inquiries, hopefully that will taper -- it should



1 taper off because we are getting back to people  
2 much more quickly now.

3           So, now I want to address some yellow  
4 flagged items, the first one is the percentage of  
5 projects that are meeting all milestones, the  
6 second is our Pipeline to Proposal Awards, which  
7 are going to be less than we anticipated by the end  
8 of 2014, the completion of Phase I of PCORnet,  
9 we're only a third of the way through it, but our  
10 estimation is we're not going to quite hit the  
11 milestones we've set for ourselves and our networks  
12 by the end of 2014, fiscal year 2014, which is the  
13 first third of Phase I.

14           So, this is the progress on our research  
15 projects and the percent of projects that are  
16 meeting all milestones, so the blue in the middle  
17 looks a little worrisome. I'll draw your attention  
18 first to this top row, which is just the number of  
19 projects on which we're reporting goes from 23 to  
20 140, and by deduction you'll figure out that it  
21 means we're further into some of these projects in  
22 quarter three than we were in quarter one as well,

1 and the middle row suggests that the percent of  
2 projects meeting all milestones due is dropping  
3 from 67 percent down to 51 percent, but the bottom  
4 row is very important, the average percent of  
5 milestones due that were met has stayed exactly the  
6 same, at mid-80s.

7           So, this is familiar to any of you who do  
8 performance measurement, quality measurement. If  
9 you have one indicator, you may be at 80 percent,  
10 but if you say, how many -- and it may be at 80  
11 percent for all three indicators, but if you say  
12 how many people are on target, meet all three, it  
13 necessarily goes down, and so that's what we're  
14 seeing. People have gone further into the  
15 projects, they have more milestones that have been  
16 evaluated, and therefore, this is going down, not  
17 to say that we don't need to address this and keep  
18 our eye on it, but it is to be expected and take  
19 some comfort in that bottom row.

20           Here's an idea of, again, on the left you  
21 see the proportion of meeting all milestones going  
22 down, and then you see some of the milestones we're

1 talking about. So, we have not incorporated  
2 recruitment milestones. We anticipate that we'll  
3 be able to begin telling you about recruitment  
4 milestones when quarter four data are in.

5           You see that the proportion who have  
6 obtained IRB approval on schedule has dropped a  
7 bit. It's still pretty good, because this is  
8 usually a quarter one requirement, part of that had  
9 to do with -- I believe -- with PCORnet as well.

10           And the next is the percentage of studies  
11 in which payment has been withheld for programmatic  
12 reasons because the study is not meeting key  
13 milestones and that is very low, but we'll keep an  
14 eye on that.

15           And the last is the contract modification  
16 process, so now in the third quarter, 4 percent of  
17 contracts have had to be modified to adjust for  
18 failure to meet milestones, and just in case you're  
19 wondering like I did, say, what are the other  
20 milestones -- every project has different  
21 milestones, so it's not like -- I can't tell you  
22 that there's this fixed milestone. Different

1 projects have different milestones and different  
2 numbers of milestones based on what the proposal  
3 is.

4           Okay, this is the Pipeline to Proposals  
5 award, and you remember I said that we're going to  
6 fund fewer of them. We funded 30 Tier I awards,  
7 that's the entry level, smallest and the beginning,  
8 early in fiscal year 2014. They're in fact,  
9 nearing completion. They're about pre-engagement  
10 and community building. They were up to \$15,000.  
11 We have not funded yet any Tier II, which is about  
12 partnership and infrastructure development or Tier  
13 III, which is proposal development, yet.

14           The goal, in this entire process, is to  
15 drive toward PCORI research proposals submitted by  
16 teams that started with the Pipeline-to-Proposal  
17 award.

18           We don't anticipate making any more awards  
19 in 2014 and the case is actually that, as Jean  
20 Slutsky came aboard and joined the Engagement Team,  
21 there was a period of reexamination of these and I  
22 think they've come out revitalized and focused even

1 more sharply than they were.

2           So, our initial 30 awards and the first  
3 program office for the west are giving us data and  
4 feedback that are refining our approach. Twenty-  
5 nine out of the 30 projects have met 100 percent of  
6 their milestones. Early next year we will fund  
7 four additional regional program offices, so there  
8 will be five. And we anticipate up to 50 Tier I  
9 projects. We anticipate a number of these coming  
10 back for Tier II projects and up to 50 Tier III  
11 projects as well.

12           So, the Pipeline-to-Proposals program is  
13 alive and well. It's our approach to getting a  
14 broader cross-section.

15           And, lastly then, a progress on PCORnet.  
16 The point here is precisely that the one item, the  
17 one milestone that's lagging a bit is the  
18 governance policies. These are critically  
19 important. We've identified them as critically  
20 important. And we're working closely with the  
21 Governance Taskforce in PCORnet, so they will be  
22 coming and you will be hearing about them,

1 particularly the RTC will be reviewing these  
2 governance policies with the Governance Taskforce  
3 and PCORnet leadership.

4 Other than that, I think the other  
5 milestones at the PCORnet level, communications,  
6 steering committee, the clinical trial, the topic  
7 has been determined, and the common data model, are  
8 on target, are on pace.

9 So, with that I'll ask, first of all, do  
10 you have any questions about anything you see on  
11 this dashboard? And secondly, are there items that  
12 ought to be on this dashboard that aren't? Are  
13 there items that ought to come off the dashboard  
14 because they just aren't worth the real estate?

15 CHAIRMAN NORQUIST: Okay, thanks, Joe.  
16 Gail?

17 MS. HUNT: Gail Hunt, Board. Joe, do we  
18 have the results of any of the pilot projects? And  
19 where -- has any of that -- any of those results or  
20 indicated areas where we should be funding  
21 additional work, you know, things that came out to  
22 be really top notch? Because I know we had some

1 that were supposed to be due by now.

2 DR. SELBY: I think the results are coming  
3 in, but we have been managing them. I'm actually  
4 not prepared to give you the detail. I know that  
5 there are about five key clusters of topics. I  
6 believe some of those investigators are working  
7 together on identifying next steps. I think one of  
8 the reasons we want to get the peer review and  
9 release of research findings policy out for public  
10 comment is that we're going to have these reports  
11 coming in from the pilot projects beginning, as you  
12 say, just about any day and we're going to want to  
13 be able to post them in a timely way.

14 I think also that you'll hear a lot from  
15 the pilot projects at the annual meeting next year,  
16 in fact, I think there's also another meeting just  
17 for the pilot projects early in the year, if  
18 anybody hear who wants to back me up on that --  
19 Jason? Jason is not here? Okay.

20 CHAIRMAN NORQUIST: We'll find out the  
21 answer. Yeah, Bob?

22 DR. ZWOLAK: Bob Zwolak, Board. Thanks,

1 Joe, very much. My question surrounds the  
2 milestones and the project milestones. What's our  
3 action plan for projects that aren't reaching their  
4 milestones? And how did you decide that our  
5 milestone bar would be yellow as opposed to green  
6 or red? Is our metric for meeting milestones based  
7 on other funding agencies? Did we decide that up  
8 front or is that a retrospective application of  
9 yellow?

10 DR. SELBY: I might ask Michele if she'd  
11 like to say how we decided that it was yellow. I  
12 think it's that we saw it going in the wrong  
13 direction. I don't -- to my knowledge; we have not  
14 set a target yet. It's actually a good suggestion  
15 that we do set a target to monitor ourselves over  
16 time. Michele, do you want to say anything about  
17 how we chose to make this yellow? Am I right that  
18 it was mostly going in the wrong direction?

19 MS. ORZA: [Off microphone.]

20 CHAIRMAN NORQUIST: Wait just a minute  
21 because they can't hear on the webinar. What she  
22 was saying is that the reason we put it in yellow



1 is because it was going in the wrong direction and  
2 it was to highlight it for discussion. I think  
3 because there actually is a clear set point here  
4 that we're trying to go --

5 DR. SELBY: I think you're thought that we  
6 ought to have a target really applies ultimately to  
7 a number of things on this dashboard and one way to  
8 identify a target is to talk with people like Mike  
9 Lauer and Rick Kronick about how they might do it,  
10 talk to other funders about how they monitor this.

11 I think we have a lot of data and  
12 increasing amounts of data that we can look at in  
13 this area and I think it's a critical area if we  
14 want to get timely research.

15 CHAIRMAN NORQUIST: This is Gray. Let me  
16 just add on that having spent 15 years doing this  
17 and when I was at NIH and we got to a point where  
18 what happens, particularly in trials in your  
19 recruitment, you keep pouring money in hoping  
20 they're going to get more and at some point you  
21 have to say we cut our losses and move on. And  
22 what we did is, before I left, we just made a

1 decision. You had up to -- and I don't remember  
2 the exact figure but it was something like a year  
3 and a half to get 50 percent of the recruitment or  
4 something and we had some kind of way of doing it.  
5 If you didn't make it, we'd just stop the study and  
6 we took the money the next time and used it for  
7 another study, and we don't have such a policy and  
8 I think we need to do that because otherwise you  
9 can fall into this trap of going, ah, we're already  
10 50 percent into it. We shouldn't just keep pouring  
11 money into it. And at some point you have to be  
12 able to say, cut your losses and -- but you're very  
13 clear with the investigators up front, this is what  
14 we expect, so you don't surprise them one day and  
15 say, we're just cutting you off now.

16           So, maybe Michael and Rick want to just  
17 say something.

18           DR. LAUER: Yeah, a couple things. One is  
19 that at NHLBI we actually have a published  
20 recruitment policy, which we tell investigators  
21 that they have to look at before they even submit  
22 their application, and it defines rather

1 specifically green, amber, and red zones and what  
2 will happen if they fall into those areas.

3           The second is that for some of our  
4 projects, we fund -- particularly trials -- we fund  
5 them in two phases, we call them in our parlance U2  
6 and U3, and essentially what that means is is that  
7 the first phase is get your ducks all lined up in a  
8 row and show us you can actually get this thing  
9 going, and we have an understanding that if, at the  
10 end of this phase, you haven't achieved those  
11 milestones, we stop the project without having to  
12 have a long drawn out battle. And if you have  
13 demonstrated to us that you can do it, then we  
14 press the green light to move forward.

15           CHAIRMAN NORQUIST: Yeah, so I think we  
16 need to make sure we have some kind of policy like  
17 that and that we publicize that so it's very clear.  
18 Any other questions -- oh, I'm sorry, Allen.

19           DR. DOUMA: It's Allen Douma. Just want  
20 to reinforce what you just said, Gray, and excuse  
21 me, Joe, typically a dashboard -- anything that  
22 parameters on a dashboard does have something

1 you're shooting for, and there may be reasons that  
2 you've got to make a really big guess, but it still  
3 shouldn't be guessed at a priori, otherwise you  
4 can't measure against anything. So, I think it's  
5 great that what you just said is true.

6           There are a couple of items here where the  
7 numbers that are provided look like they're Q1  
8 numbers and clearly it would be helpful if those  
9 could be updated sometime in the near future, the  
10 one on the bottom left you've got research funding  
11 commitments -- excuse me, expenditures is between  
12 Q2 and Q3, other 2014 expenditures, it looks like -  
13 - I'm presuming what that means is that number  
14 there was something that a --

15           DR. SELBY: Yeah, thank you very much,  
16 Allen. These arrows are tricky to look at and what  
17 the number in the circle means is the amount we had  
18 spent at the end of the third quarter, so we're --

19           DR. DOUMA: Oh, okay.

20           DR. SELBY: So, we're showing that this is  
21 the end of the third quarter dashboard and those  
22 numbers -- it's just that we've spent where we

1 anticipated spending in one quarter --

2 DR. DOUMA: Okay. And that's assuming  
3 that your spend would be even across the entire  
4 timeframe? It would have been?

5 DR. SELBY: No, I don't think that's true,  
6 I think we actually did spend -- it looks like it  
7 on the -- I agree with you, it looks like it on  
8 this dashboard though, on this diagram, they're not  
9 exactly maybe where we planned, but --

10 DR. DOUMA: Okay, but the placement of  
11 those numbers in the circle are not relevant to  
12 when the number was generated?

13 DR. SELBY: Right, they're the third  
14 quarter or whatever quarter the dashboard --

15 DR. DOUMA: Thank you, Joe.

16 CHAIRMAN NORQUIST: Other? Yeah, Ellen?

17 MS. SIGAL: Ellen Sigal, Board. I wanted  
18 to reinforce this issue of metrics on accrual and I  
19 would say that it's been a major change of the NIH  
20 now in institute-by-institute has their own policy.  
21 I think we have to do better than that. I think  
22 accrual is slow and if we're going to do this, fund

1 these trials, we should make sure there is a  
2 rigorous plan up front and our metrics, I would  
3 argue, should be higher than what they have at NIH  
4 because we have less burden and regulatory issues.  
5 So, we have to really look at that and set a very  
6 high bar.

7           CHAIRMAN NORQUIST: Thanks. Any other?  
8 Joe, one thing I would say that dawned on me, when  
9 I looked at this responsiveness to contact, I think  
10 one of the key issues is the satisfaction with  
11 their responsiveness, because you may want to think  
12 about rechanging that. I mean, the fact that  
13 someone responds within three days is great, but  
14 it's the type of response you're getting.

15           So, some of the concern I hear is that --  
16 back from some folks, I mean, this is just a sample  
17 of one here, but myself, what I'm hearing from  
18 people is, yeah, but I'm not getting the kind of  
19 feedback that I need, and so I would propose that  
20 you change that particular metric to more of a  
21 satisfaction metric now for the potential grantees  
22 and stuff so we get a better idea about the quality

1 of the responses.

2 DR. SELBY: Good. That's a very nice  
3 evolution.

4 CHAIRMAN NORQUIST: Okay. Well, we're  
5 almost on time then, we picked it back up, so we're  
6 five minutes into the budget. So, now we go to the  
7 Consider for Approval, the FY 2015 Budget and I  
8 think Regina Yan, who's our chief operating  
9 officer, and Joe, will do this, but Regina's going  
10 to -- where is Regina? Oh, there she is. And  
11 Kerry Barnett as head of FAC may -- I mean, you  
12 guys oversee this, so if you have to, you can have  
13 some comments on this too.

14 And we did have a discussion about the  
15 budget a little bit, but -- the other week, but  
16 this is formal discussion in public.

17 DR. SELBY: So, this budget is the product  
18 of a process which began three to four months ago  
19 that involved discussions with each strategy  
20 committee, particularly of the planned expenditures  
21 in the area which that strategy committee oversees.  
22 It also involved several iterations with the FAC,

1 and Regina and I thank the FAC for their patience  
2 and for their input in getting the budget to the  
3 point it's at now.

4           This has felt like the most thoughtful  
5 process, budgeting process to date. I've been  
6 around for, I guess four of them now, and this is  
7 the -- has really been a much more integrated  
8 process, not to say that it won't be even better  
9 next year, but I think with that I'll thank Regina  
10 for the amazing amount of work that she put into it  
11 and work that a number of people on Regina's staff  
12 contributed to this, and I'm going to sit up here  
13 and maybe field questions along with Regina after  
14 her presentation.

15           MS. YAN: Thank you, Joe. In today's  
16 presentation, we will review PCORI's cash situation  
17 and our financial position overall, and also review  
18 our proposed 2015 budget.

19           I thought we'll start with, again,  
20 clarifying some key definitions of a couple  
21 important terms, particularly regarding commitment.  
22 When we talk about commitment we're really talking



1 about the funding -- amount of funding PCORI  
2 intends to award or the funding that we have  
3 already awarded in the past couple years, and these  
4 will be the multi-year contracts that we have  
5 executed and awarded for our research projects, our  
6 infrastructure, which is PCORnet, and also our  
7 engagement awards.

8           So, commitment, we'll be talking about the  
9 funding we plan to award. And then the other one  
10 is the expenses. Expenses is going to be what you  
11 will see in our budget, particularly when it comes  
12 to the program portion of our budget. That will  
13 reflect the actual expenses that we see as reported  
14 back to us through invoices from our awardees for  
15 all the contracts that we have awarded, including  
16 for research, infrastructure, which is PCORnet, and  
17 also the engagement awards.

18           So, for a new organization like us, we're  
19 only four years old, we see a lot of commitment  
20 early on with expenses trailing a little bit  
21 behind, but we are now, this year, beginning to see  
22 expenses picking up the pace. First is our cash

1 flow. We are just two weeks away from the end of  
2 our fiscal year and we expect our cash balance at  
3 the end of this fiscal year to be \$667 million and  
4 our cash receipts for 2015 at \$469 million, that  
5 includes both the appropriations, the transfer, as  
6 well as the PCOR fee, and then the cash  
7 disbursement for 2015 to be at \$362 million.

8 Our cash balance at the end of fiscal year  
9 2015, we will be looking at \$774 million. The \$774  
10 million is not idle cash sitting around and you  
11 think that maybe we should put it to use.

12 Actually, this is going to be the funds that have  
13 been fully obligated for all of the awards that we  
14 are going to -- all the projects that we are  
15 funding.

16 And the cash balance reflects both funds  
17 we have in the PCOR trust fund and also the funds  
18 we have in our bank account at Bank of America.

19 If we look at the funding commitment that  
20 we have made for the last couple years, for 2012  
21 and '13, the funding commitment we've made  
22 primarily in the research area is \$331 million and

1 for 2014 we are looking at commitment level of  
2 about \$400 million, half of it has already been  
3 approved by the Board, and we have one more round  
4 coming up in two weeks and there will be another  
5 Board meeting that the Board will be asked to  
6 approve another slate of awards. And for 2015,  
7 again, this is a funding commitment plan, this is a  
8 plan that we've put together and obviously like any  
9 of our funding announcements, all of them require  
10 Board approval, so these may change, it depends on  
11 Board's final approval, on both the topic  
12 announcement as well as the final award.

13 Our awards are in three major categories,  
14 research awards for 2015, our plan is for \$475  
15 million, for infrastructure, which is PCORnet, it's  
16 \$265, engagement and Pipeline-to-Proposal awards,  
17 \$21 million. So, for 2015, our funding commitment  
18 plan will be at \$661 million.

19 So, last year the Board approved a funding  
20 commitment plan of two years at \$1 billion -- \$1  
21 billion, sorry -- so, if you look at '14 and '15 we  
22 are looking at about \$1 billion level. And so by

1 the end of 2015 we'll be looking at cumulative  
2 funding commitment at about \$1.4 billion, out of  
3 which 80 percent will be in research, 19 percent in  
4 infrastructure, and 2 percent in engagement awards.  
5 That is the mix so far, but of course for  
6 infrastructure currently we're only look at 2014  
7 and 2015 that will be part of our commitment plan.

8           As a funding organization, we do need to  
9 plan way ahead in looking at our funding plan.  
10 This is a funding plan that we've put together  
11 through 2019. So, through 2019 we are now looking  
12 at 2019 as the last year we will still have funding  
13 awards at about \$200 million and right now we're  
14 looking at 2015 as \$661 and 2016 will be \$400,  
15 \$300, and \$200.

16           So, if we look at our plan through 2019,  
17 of course, again, you know, the final decision is  
18 pending the Board's decision, obviously, and your  
19 approval throughout the year as we look at what we  
20 plan to fund.

21           So, at the end of 2019 we'll be looking at  
22 funding level at \$2.6 billion out of which 87

1 percent will be in research projects, research  
2 contracts, 10 percent in infrastructure, which is  
3 PCORnet, and 3 percent in engagement awards, which  
4 include both the Eugene Washington Engagement Award  
5 and Pipeline-to-Proposal Award, so that is the  
6 overall mix. That's what we're looking at this  
7 moment.

8           So, the next one we'll be looking at both  
9 commitment and expenses, which if we look at the  
10 funding commitment level we planned for from now  
11 through the end of 2019, what is the expenditure  
12 that we're looking at throughout that period? So,  
13 as expected, early on most of our work is focusing  
14 on the commitments and our expenditure is very low,  
15 from 2012, '13 to '14, and then 2015 you'll see  
16 that the expenditure level is picking up and after  
17 2019 awards, we will see the expenditure, that  
18 means these are the multiple year projects, we see  
19 expenditure coming in all the way through 2021 and  
20 a little bit in 2022.

21           What that means is we will have to have  
22 our staff plan and everything ready to support all

1 the awards that we have made in 2019 all the way  
2 through 2022.

3           This is our proposed 2015 budget. This  
4 year we have multiple opportunities for our  
5 committees and the staff to look at our preliminary  
6 draft budgets so that we can incorporate your  
7 feedback in the final presentation, so we thank all  
8 of you for your contribution and feedback  
9 throughout this process, and I think that with all  
10 the committee review, it has really improved our  
11 process to make sure that the details and the  
12 presentation is in the format that is easily  
13 understood by everyone.

14           So, for 2014, we are close to the end of  
15 fiscal year now, our expenditure is looking at  
16 about \$126 million with \$81 in program expense,  
17 which breaks down to research expense,  
18 infrastructure, and also our engagement awards.  
19 These are the three big buckets of our programs,  
20 and then with program support expense at \$27  
21 million. I will talk a little bit more about what  
22 program support expenses are, and administrative

1 support expense at \$17 million, so that breaks down  
2 to 64 percent in program expense, 22 percent in  
3 program support, and 14 percent in administrative  
4 support.

5           And for 2015, with our proposed budget,  
6 we're proposing a \$361 million with \$271 in program  
7 expense, which it means actually expenses coming  
8 from the awards that we have made -- pretty much  
9 already made by early next year; about \$60 million  
10 in program support and \$30 million in  
11 administrative support. That breaks down to 75  
12 percent in program expense, 17 percent in program  
13 support, and 8 percent in administrative support.

14           As we expect over time, our program  
15 expense will pick up because of all the awards that  
16 we have made, commitments that we have made, so we  
17 do expect that our administrative ratio will trend  
18 down because of that, and I know that some people  
19 will consider both program support and  
20 administrative support as in one big bucket. For  
21 those people who like to see it that way, we have  
22 broken down the percentage by each category, so you

1 can look at it that way if you want.

2 I want to say a word about what goes into  
3 program support.

4 I know most of the time people really are  
5 thinking of two major buckets of cost, one is above  
6 the line, money that goes out that door, and then  
7 the rest of the cost. But we do -- I mean, other  
8 than the money going out the door for the awards,  
9 we have really major program activities operated by  
10 PCORI. Under program support we have the  
11 Methodology Committee, all the activities  
12 associated with that. If we look at science  
13 program development and evaluation that includes  
14 all the costs associated with our advisory panels,  
15 our working groups, our taskforces, our topic  
16 briefs, all those activities, and also with PCORnet  
17 they have a lot of meetings involving all the  
18 members of the network, that's also part of this  
19 budget.

20 And with the engagement, dissemination,  
21 follow up contracts, some of those activities are  
22 all part of this. So, in addition to our personnel



1 costs, all the program activities associated with  
2 supporting our program is in this bucket.

3           With contracts management, a lot of it is  
4 our merit review costs is also in program support,  
5 and obviously without that, we won't have our  
6 programs. So, that's what program support is. And  
7 administrative support is, you know, Board of  
8 Governors meeting and also management in general.

9           So, this reflected the three major  
10 categories of cost, which is also consistent with  
11 the standard nonprofit way of classifying cost.  
12 One thing I would like to say is that every year  
13 we're refining our presentations and these details  
14 of information that the Board would need. Moving  
15 forward we will probably further refine it next  
16 year. One thing is that so far, most of our  
17 activities are really related to making the funding  
18 commitment.

19           We're at the point that we are growing the  
20 size of the portfolio, the number of awards we  
21 have, so we will have significant activities  
22 related to monitoring. Earlier there was a

1 question about what do you do when an awardee is  
2 off track in their milestones, so we will be  
3 beginning outside visits where we evaluate the  
4 performance of awards, if that is warranted. We  
5 will do programmatic site visits, maybe financial  
6 site visits, that's all part of our portfolio  
7 management plan.

8           In addition, there will be increased  
9 activities in dissemination, so we are also looking  
10 at, right now, all of the them are -- kind of  
11 varying program support, big buckets, so we will  
12 take another look to see, you know, as the Board  
13 members are interested in further detail, what are  
14 the things that we want to call out to give you a  
15 better sense of the program activities we have,  
16 which is now part of program support.

17           Here is a graphic presentation of the  
18 comparison between '14 and '15. So, in '14, our  
19 breakdown is 64 percent in program, 22 in program  
20 support, 14 in administrative, and with '15 we are  
21 trending down in both program support and admin.  
22 We hope that trend will continue.

1           Another thing is our staffing plan, how we  
2 plan to staff out the organization in order to  
3 support the volume of program activities we have,  
4 particularly in the area of portfolio management.  
5 So, 2014, we have a staffing plan of 164 positions.  
6 We are two weeks from the end of fiscal year, we  
7 have 160. We have 160 employees.

8           For example, 2015, we are requesting 53  
9 additional positions and over half of that will be  
10 in the science department because we need more  
11 staff to manage the portfolio we have and then the  
12 rest is in engagement, contracts management,  
13 contract management we are particularly asking for  
14 positions in the post-award team that would help us  
15 support the portfolio that we have, and then  
16 administration.

17           I know there were some discussion earlier  
18 about our ability to recruit the number of staff we  
19 have and to on-board them, and in 2014, we have  
20 recruited and on-boarded more than 70 positions, so  
21 we are confident that we will be able to do a good  
22 job in recruiting on-boarding the new positions

1 that we are requesting for 2015.

2           And also that we are -- we do periodic  
3 employee surveys to make sure that the employees  
4 that we hire feel that they are engaged with their  
5 work and also they're enabled, and we have seen  
6 significant improvement from last year -- from last  
7 year's result. So this year we're looking at the  
8 result, looking at the areas that were done very  
9 well, but also looking at areas that we need to put  
10 more work into it to make sure that our employees  
11 have all the tools they need to do their job  
12 effectively.

13           Any questions? Hi, Ellen.

14           MS. SIGAL: Ellen Sigal. Board. So,  
15 thank you, I mean, this is a very aggressive, and I  
16 understand, probably much needed recruitment, but I  
17 guess from reading the Board material I'd have two  
18 questions. So, if you think you can recruit them,  
19 that would be good, because, again, increasingly we  
20 have less and less time until we, you know, until  
21 we may or may not be in business, so that may be an  
22 issue for recruitment.

1           The other issue is space. I mean, 53  
2 employees, do we have the physical space to put  
3 them? And that's also a cost I assume you've  
4 factored into that too and other options that were  
5 discussed in the Board package, so maybe you can  
6 address that.

7           MS. YAN: Sure. I think our experience is  
8 that recruitment is getting easier. Last year was  
9 much harder because we were very new, our  
10 infrastructure and system were not all in place.  
11 The fact that now we have more employees, we have,  
12 you know, I think we are seen as a more established  
13 employer now than before, so that makes it easier,  
14 and also that because of -- I think the -- our  
15 funding, we are also becoming a more established  
16 funding organization, that also helps us in getting  
17 the reputation out as a good place to work because  
18 we have very dynamic programs. So, I think that  
19 has made it easier for us.

20           About space, yes, it's a great challenge  
21 for us. We have, I think, in a few weeks, we will  
22 be -- our science staff will be moving into a new

1 location just one block away on M Street, and we  
2 are also acquiring some additional space in our  
3 current building, some sublet space, so we are  
4 monitoring that very carefully, especially  
5 projecting what we may need, because it does take  
6 six to nine months to get new space online, but  
7 we're monitoring it very, very closely.

8           The last six months have been very  
9 challenging because we've doubled the number of  
10 staff but we have the same number of space, so  
11 we've been doubling and tripling staff in an  
12 office, people have been very patient, but the  
13 relief is in sight, just in a few weeks. We hope  
14 at the next Board meeting you get to see our new  
15 office space on M Street.

16           CHAIRMAN NORQUIST: I'm letting you guys  
17 go ahead. I just know it's Rick's turn. Do you  
18 want me to handle who's up or you can do it?

19           DR. SELBY: Sure.

20           CHAIRMAN NORQUIST: So, Rick is next.

21           DR. KUNTZ: Yeah, a very nice  
22 presentation. Two things, one is that I would

1 recommend that the principle way to look at  
2 overhead is to just carve out the administrative  
3 costs and do what you said, is to put together the  
4 other program costs in the research side. I think  
5 that others can ask for analyses differently, but  
6 they'd have to make a good argument. But I think  
7 you've made a very good argument that our overhead  
8 costs really are administrative costs and that we  
9 should just put them as our principle way of  
10 distinguishing them into the buckets that you  
11 talked about.

12           Secondly, in the out years of -- for  
13 costs, it would be very helpful to understand which  
14 of the years of the funding is being funded, so  
15 that we look at '18 and '19, are they the third  
16 year, fourth years of those grants? Are you doing  
17 any initial new grants? And I'm still not quite  
18 sure, you know, for example, are we going to fund  
19 any new grants in '18 or '19? And so that would be  
20 nice to have some kind of way to show that.

21 Thanks.

22           MS. YAN: In the current funding

1 commitment plan, our function is that '18, '19  
2 we'll continue to fund new projects and in '19  
3 we'll be funding three-year projects, that's why as  
4 far as expenditure is concerned, you can see that,  
5 you know, we are planning out to 2022, that's when  
6 we have to close out those projects.

7 DR. KUNTZ: Then why are we going down and  
8 funding them for '17, '18, and '19? It seems like  
9 we should still be funding the tail end of other  
10 projects too, right?

11 MS. YAN: We will -- one thing about our  
12 commitment is, when we make a commitment, when we  
13 execute a contract, we make the commitment for the  
14 entire amount of the entire project, for the life  
15 of the project. So, the next time you're seeing  
16 those projects is the expenditures that's coming  
17 in. So, the commitment made in 2016, you know, you  
18 would see the expenditure coming in '17, '18, '19.

19 CHAIRMAN NORQUIST: Gail, wasn't it?

20 MS. HUNT: Gail Hunt. I'm a little bit  
21 concerned about just 3 percent of the budget being  
22 spent on engagement. Is that something that we can



1 think about expanding?

2 DR. SELBY: So, you know, we do engagement  
3 in a lot of ways.

4 So, a lot of engagement shows up as other  
5 than in that 3 percent. For example, we pay for  
6 engagement in every project that we fund. I think  
7 you will see an uptick in the combination of  
8 engagement and dissemination over time, but, you  
9 know, we worked this budget out very closely with  
10 Jean Slutsky, who is chief officer for engagement  
11 and dissemination and it was our mutual sense that  
12 this was just -- it was the right amount for this  
13 year.

14 CHAIRMAN NORQUIST: Allen.

15 DR. DOUMA: Could you talk a little bit  
16 about --

17 CHAIRMAN NORQUIST: You need to --

18 DR. DOUMA: Allen Douma. Sorry. Could  
19 you talk a little bit about beyond '15 looking at  
20 the types of activities going more from commitment  
21 to actually monitoring and evaluating projects that  
22 are coming in? The impact on staffing, is that

1 going to be significant and is it going to change  
2 the numbers of people or perhaps rereading of  
3 people who are already there?

4 MS. YAN: Okay, yeah. I can say a few  
5 words and then maybe Joe can jump in too.

6 Beyond 2015, we already know that there  
7 are several -- I think that '14 and '15 are the two  
8 years that we are really staffing up, we have to,  
9 you know, to just meet today's needs and probably  
10 tomorrow's needs, but we know that there are one of  
11 two pocket areas that we still need to staff a  
12 little bit more. For example, in my discussion  
13 with Jean, talking about dissemination, because  
14 dissemination is going to be a growth area for us.  
15 We're getting to that point. We have to do it.  
16 So, that could be some positions dedicated to  
17 supporting and managing and needing dissemination.

18 This year, you know, we are asking for 29  
19 positions in the science area, so that is mainly to  
20 support the portfolio management. So, what we do  
21 is as we review our workloads and look at where we  
22 -- number one is where that new areas that need

1 additional support and in areas that the workload  
2 may have come down, we will look into internal  
3 remobilization of resources to make sure that we  
4 don't have idle resources sitting around.

5 DR. DOUMA: Do we have any quantification  
6 of what you're just talking about yet?

7 MS. YAN: What do you mean?

8 DR. DOUMA: The estimate of the pockets  
9 that need it more and how much more and the  
10 possibility where we're going to not need as many  
11 and how many that would be? Have we got any  
12 numbers that we're working with?

13 MS. YAN: Not really. We are beginning to  
14 discuss it, but it is pretty much on our mind to  
15 think about and to decide throughout 2015 so that  
16 in '16 when we come to you, we have a better sense.

17 DR. SELBY: And, Allen, it's also related  
18 to decisions we make about, for example, the number  
19 and size of awards. As the size of awards goes up,  
20 the number goes down, and it's not a 1:1 tradeoff,  
21 so you may gain -- you may need slightly less staff  
22 if you're managing a much smaller number.

1           We also may do more contracting for really  
2 large -- we may do contracting for the management  
3 of some of that research.

4           So, some of it is still in the hands of  
5 the Board to decide, so there's some uncertainty at  
6 this point.

7           CHAIRMAN NORQUIST: You know, I think that  
8 -- this is Gray -- it's critical is that our  
9 strategy can make a big difference [off  
10 microphone]. Right? Anybody else comment?  
11 Questions about the budget?

12           [No response.]

13           CHAIRMAN NORQUIST: We need to move --

14           UNIDENTIFIED BOARD MEMBER: If I could  
15 just comment very quickly. Just congratulations to  
16 Regina and her team. As she indicated or Joe  
17 indicated, you know, clearly, our level of  
18 sophistication has advanced each year and it's  
19 really because of just a ton of hard work that's  
20 gone into this.

21           There's a huge amount of detail -- a huge  
22 amount of detail in the materials that you have in

1 front of you. Obviously, Regina's only gone  
2 through kind of the highest level here. There will  
3 be other issues and other questions as the year  
4 progresses because we all understand that a budget  
5 is essentially obsolete as soon as you approve it  
6 because the real world sort of takes over. So, we  
7 will continue to come back to the Board with  
8 significant changes or significant issues that  
9 might arise over the course of the fiscal year, but  
10 I think what we have here is something that is well  
11 aligned with the story that we've been hearing  
12 throughout the year, and well aligned with the  
13 direction that I think we agree that we want the  
14 organization to go into.

15           It doesn't mean that there aren't many  
16 opportunities and many forks in the road coming up  
17 for us to make changes, and we have the resources  
18 to do that, and I think that's a good thing, but I  
19 think this clearly sets us on a good, clear,  
20 accountable path and that's really what a budget is  
21 for.

22           CHAIRMAN NORQUIST: I'm going to let

1 Harlan -- and like I said, but I want to also thank  
2 the FAC, Kerry, and your group, who has really done  
3 a great job kind of working on this and staying on  
4 it too. So, there's a whole team here who have  
5 really kind of worked on this. Thank you very  
6 much. Harlan.

7 DR. KRUMHOLZ: Thanks, Gray, and it is --

8 CHAIRMAN NORQUIST: Say your name.

9 DR. KRUMHOLZ: Harlan Krumholz, Board  
10 member, and it is, in terms of work, and you're  
11 laying it out for us so clearly, I think the Board  
12 -- I just wanted to give you what my reflection is  
13 on this -- when I see the amount of money we're  
14 spending, the amount of people that Joe needs to  
15 hire in order to execute this work, the kind of  
16 investment that the staff and others around the  
17 country are making, it reflects back to me our  
18 responsibility to ensure that there's a return on  
19 this investment for people and that for us to  
20 really focus intently on this portfolio and, you  
21 know, we started from nothing so we'll end with  
22 nothing.

1           And so, the question will be at the end,  
2 for all the money and effort that's expended, whose  
3 lives are better as a result, whose decisions are  
4 more informed, to what degree is the value of this  
5 information commensurate with what we as a Board  
6 have commissioned in the work that Joe and his  
7 staff are so ably pursuing, have we set the  
8 strategy adequately in order to ensure that this  
9 money is being wisely distributed and invested so  
10 that there will be benefits?

11           I'm just saying personally for me, it's a  
12 breathtaking presentation. It makes me feel even  
13 more pressure for us as a Board to act responsibly  
14 and ensure that we get that return, because it's  
15 clear to us that you are -- you've invested so much  
16 in ensuring that the directions that we're setting  
17 are being pursued appropriately, but for the Board,  
18 that strategy is something we have to reflect on  
19 because it's a big responsibility.

20           CHAIRMAN NORQUIST: Very well. Okay,  
21 other -- all right, so we need to have a motion to  
22 approve the budget and a second.

1 UNIDENTIFIED BOARD MEMBER: I move that we  
2 approve.

3 CHAIRMAN NORQUIST: Okay. Second?

4 UNIDENTIFIED BOARD MEMBER: Second.

5 CHAIRMAN NORQUIST: Okay. Now, what we're  
6 going to do is a roll call vote, but we've already  
7 done the discussion and so Bill will do the roll  
8 call.

9 BILL: Debra Barksdale?

10 CHAIRMAN NORQUIST: She's out.

11 MS. BARKSDALE: Approve.

12 CHAIRMAN NORQUIST: Oh, that's right.  
13 Debra is on the phone. I wanted to say you're not  
14 there, Debra, but you're on high for us, so thank  
15 you, Debra.

16 BILL: Yea or nay, Debra, on the budget?

17 MS. BARKSDALE: Approved.

18 BILL: Thank you. Kerry Barnett?

19 MR. BARNETT: I approve.

20 BILL: Larry Becker?

21 MR. BECKER: Approve.

22 BILL: Francis Collins?



1 DR. LAUER: Mike Lauer sitting in,  
2 approve.

3 BILL: Allen Douma.

4 DR. DOUMA: Approve.

5 BILL: Arnie Epstein? Alicia Fernandez?

6 DR. FERNANDEZ: Approve.

7 BILL: Christine Goertz?

8 MS. GOERTZ: Approve.

9 BILL: Leah Hole-Marshall?

10 MS. HOLE-MARSHALL: Approve.

11 BILL: Gail Hunt.

12 MS. HUNT: Approve.

13 BILL: Jesse is not with us. Richard  
14 Kronick?

15 MR. KRONICK: Approve.

16 BILL: Harlan Krumholz?

17 DR. KRUMHOLZ: Approve.

18 BILL: Richard Kuntz?

19 DR. KUNTZ: Approve.

20 BILL: Sharon Levine?

21 DR. LEVINE: Approve.

22 BILL: Freda Lewis-Hall?

1 DR. LEWIS-HALL: Approve.

2 BILL: Steve Lipstein?

3 VICE CHAIRMAN LIPSTEIN: Approve.

4 BILL: Gray Norquist?

5 CHAIRMAN NORQUIST: Yes.

6 BILL: Ellen Sigal?

7 MS. SIGAL: Yes.

8 BILL: Harlan Weisman?

9 DR. WEISMAN: Approved.

10 BILL: And Bob Zwolak?

11 DR. ZWOLAK: Approve.

12 BILL: Motion passes.

13 CHAIRMAN NORQUIST: Thank you. Okay, you  
14 guys can move and the next topic we're going to  
15 consider the posting for public comment of PCORI's  
16 draft proposal for peer review and release of  
17 research findings, and let me be clear here, we're  
18 not approving this policy; all we're asking to do  
19 is to be able to post it for comment.

20 So, Joe, this is yours. Joe?

21 DR. SELBY: Thank you, Gray. So, this is  
22 a draft policy that has been developed by PCORI

1 staff and vetted with each strategy committee and  
2 presented to you once before two weeks ago on an  
3 open Board call.

4           And we're bringing it back because there  
5 were some considerations raised by Francis and  
6 reflecting NIH concerns about some of the language  
7 and we've worked closely with staff from NIH in the  
8 intervening two weeks and I'll report quickly to  
9 you on where we've gotten and I think I can say  
10 that we -- that both NIH and PCORI are satisfied  
11 with this as a document to go out for public  
12 comment.

13           So, the key points are that we're told to  
14 do two things in the legislation, one, is to  
15 conduct a review of our primary research, and  
16 that's for two purposes, one is to make sure that  
17 it's rigorous, that it's valid research, and the  
18 second is to make sure that it adheres to the  
19 methodology standards. So, this is something that  
20 we have to do with our primary research, and it's  
21 also, as we've pointed out, something that the  
22 standard peer review processes of journals don't do

1 in a timely way and they don't -- we can't count on  
2 them to formally assess whether the studies adhere  
3 to PCORI's methodology standards.

4           The second thing we're trying to do and  
5 told to do is to release the research findings as  
6 early as possible and no later than 90 days after  
7 the conduct or receipt of the research findings.

8           We have to make it available to  
9 clinicians, patients, and the general public in a  
10 comprehensible fashion. We have to include  
11 considerations about the effectiveness in certain  
12 subpopulations, that's taking a look at treatment  
13 heterogeneity. We have to -- heterogeneity based  
14 on risk factors, based on comorbidities, based on  
15 genetics. And we also have to describe the process  
16 and methods used, including conflicts of interest  
17 and limitations of the research.

18           So, this has to be in a report that we  
19 release to the public and put on the PCORI website  
20 and other places within 90 days after the receipt  
21 of the report.

22           So, how do you reconcile this? One

1 principle I want to emphasize is that except in  
2 circumstances where other regulations dictate a  
3 different course, we've elected to peer review the  
4 findings before we release them to the public. We  
5 don't think it makes sense to release findings  
6 before they've been peer reviewed and then have to  
7 go back and change them. We think that's a  
8 disservice to patients and clinicians and  
9 confusing, to say the least.

10           So, our principle in the whole design of  
11 this is based on peer review first and then post.

12           We've already said that we've discussed  
13 this before.

14           So, the proposal, essentially, has the  
15 following elements that every project be registered  
16 in a public registry, whether that's  
17 [clinicaltrials.gov](http://clinicaltrials.gov) for empirical research, whether  
18 it's randomized trials or observational studies,  
19 the registry of patient registries, should we fund  
20 a patient registry, the development of a patient  
21 registry, and PROSPERO, which is a registry for  
22 systematic reviews.

1           We require a draft final report. The  
2           awarding institution is responsible for submitting  
3           to PCORI a draft final report for peer review three  
4           months after completion of data analysis, and this  
5           is a tricky -- this has been one of the trickiest  
6           parts is to set this date, but this is our  
7           considered opinion after consultation with NIH and  
8           after looking at the FDAAA legislation and after  
9           considering the kind of research we're conducting.

10           So, three months after the completion of  
11           data analysis, this is the date that will have to  
12           be specified in the contract and set in milestones.

13           The PCORI peer review, PCORI will, in  
14           fact, manage a peer review process for the final  
15           report using a combination of staff and probably  
16           substantially contracted resources rather than  
17           substantial staff resources. This is what the  
18           final report has to contain: it has to contain the  
19           main study results, it has to list the methods,  
20           discuss the issues related to differences by  
21           subpopulations, discuss by subpopulations risk  
22           factor levels and comorbidities, it has to discuss

1 the limitations of the findings, the needs for  
2 further research, it has to have tables, and it  
3 definitely has to have conclusions.

4           It must have a 500-word abstract intended  
5 for medical professionals and scientists. It must  
6 have a results table, and this is relevant to those  
7 that are posted on clinicaltrial.gov, it must have  
8 a results table to follow the clinicaltrials.gov  
9 format and requirements and must be submitted to  
10 clinicaltrials.gov and also submitted to PCORI.  
11 And it must have the ancillary information  
12 mentioned in the legislation about the entity, the  
13 investigators, and any disclosures or conflicts of  
14 interest.

15           So, making the public research -- the  
16 research findings public includes both providing  
17 information for various audiences, that is a lay  
18 abstract -- an abstract of the results intended for  
19 lay audiences, and a public posting on PCORI.org  
20 and submission to clinicaltrials.gov. So, PCORI  
21 will post information for patients and consumers on  
22 our website and the clinicaltrials.gov will host

1 the abstract -- we will also have the technical  
2 abstract and table on our website, but  
3 clinicaltrials.gov will host the technical abstract  
4 and the results table that they require.

5           So, this just highlights three major  
6 concerns that NIH raised at our last -- on our  
7 call. First that the FDA -- I'm not sure what  
8 authorizing and I'm not sure what the other A  
9 stands for, the other two As stand for, Ellen, you  
10 may know or Freda, you may know, but at any rate,  
11 it speaks to requirements for certain types of  
12 trials to publish their results in a more timely  
13 way on clinical trials. We clarified that we  
14 certainly in no way intend to interfere with that  
15 or slow it down and also that the awardee  
16 institution, not PCORI and not the investigator,  
17 are responsible for ensuring that this information  
18 is submitted to clinicaltrials.gov in a timely way.

19           The second is a clarification of the date,  
20 which triggers the beginning of the process, I  
21 already alluded to that. We changed the trigger  
22 date from the end of the contract to three months



1 after completion of data analysis because a lot of  
2 our work is, in fact, data analyses and that's a  
3 date that can be specified beforehand. And the  
4 third is that we need to provide in the document  
5 some more detail about PROSPERO and the Registry of  
6 Patient Registries to make it more parallel with  
7 what we said about clinicaltrials.gov.

8           The facts are that most -- the vast  
9 majority of our research will be relevant to  
10 clinicaltrials.gov, not these other two. We want  
11 to collect input about these two from the public  
12 comment period and during that period, we will also  
13 collect more information on these two and add it to  
14 the final document.

15           So, those are the three concerns that we  
16 responded to in consultation with NIH.

17           So, the timeline is that we hope that the  
18 Board will vote to approve the posting of this  
19 draft proposal for public comment today. We will  
20 then launch the public comment period. We're all  
21 prepared with a website to collect comments and to  
22 show those comments to the public as they come in.

1           The comment period will last 54 days from  
2 today through November 7th. We will analyze and  
3 synthesize this data in collaboration with a  
4 contractor, who has already been identified and is  
5 engaged, and we will provide a report -- we will  
6 receive a report from the contractor on January  
7 10th of the analyses of the public comment. The  
8 strategy committee review period, all three  
9 strategy committees will review this between  
10 January 16th through February 17th and we will  
11 submit it to the Board for a vote on the revised  
12 proposal at the end of February.

13           So, that's it. Any questions?

14           CHAIRMAN NORQUIST: So, let me do it this  
15 way. Let's kind of make the order go right. We  
16 have a motion to approve this for posting, and then  
17 we'll have the discussion. So, if I could get a  
18 motion to move this, thanks, Bob, and then a  
19 second? Okay. All right, now we'll open it for  
20 discussion. Harlan Krumholz.

21           DR. KRUMHOLZ: Thanks, Gray, and I know we  
22 did discuss this on an open call, but the more I

1 thought about it -- this is Harlan Krumholz -- the  
2 more that I am unsure what it is that we're  
3 requesting in the sense that we have some  
4 legislative mandate in order to do the peer review,  
5 but here are my concerns. I don't want to delay  
6 the posting. I think the rapid cycle time for  
7 dissemination of results is important. I think  
8 that there's a lot of fuzziness around when do you  
9 finish the analyses?

10 I mean, I know papers that never finish  
11 the analyses, so it sort of can go on for a long  
12 time, so how that gets negotiated and overseen is  
13 important. And what role PCORI is playing in the  
14 peer review is not exactly clear to me. What if  
15 people aren't responsive? How deep are we supposed  
16 to go? What if we disagree around the edges?

17 I mean -- and I know this is imposed on us  
18 by the legislation so these are all questions for  
19 us to respond to, and one way to do that is to go  
20 out for public comment and see what people say, so  
21 I'm not exactly sure where we stand, but I just  
22 wanted to express that this issue about peer

1 review, which is not done elsewhere, is being asked  
2 to be done here, to me seems very tricky.

3           And, you know, another way to do it is for  
4 people to post their results and for us to post our  
5 peer review, and actually allow the community of  
6 people to see that peer review as opposed to the  
7 notion that there is one right answer, here's the  
8 investigator's thought about the answer, by the  
9 way, we provide our critique of the answers, other  
10 people are able to put in their thoughts about it,  
11 it eventually gets published, it creates a dialogue  
12 around the results.

13           I mean, I'm just thinking out loud. I  
14 think it puts us in a tough position if we're  
15 approving that research, I mean, if they're handing  
16 it into us and are we a peer reviewer that  
17 basically says, yeah, you're ready to be posted or  
18 published. In my experience, this never ends,  
19 especially if we're in an open science era, more  
20 people get to look at the data, more people have  
21 different opinions about the data, science  
22 progresses. I always quote Francis, science is

1 progressive and self-correcting, and I ended by  
2 saying, if the data are available for people to  
3 work with and if there's freedom for people to  
4 exchange different views.

5           And this is just meant to share not so  
6 much a response to it but just to share with the  
7 Board some of the thoughts I had as I really  
8 started thinking about this peer review process.

9           CHAIRMAN NORQUIST: Go ahead.

10           DR. SELBY: I feel your pain, in a way,  
11 and we've been working on this for a long time  
12 because of this curious, almost conflict in the  
13 legislation. Two things, though, we're very aware  
14 that we're instructed to publish a substantial  
15 amount that's intended for the lay public, for  
16 patients, and that was one of the thoughts that  
17 made us feel that we actually do want to peer  
18 review before we post it because it's going to be  
19 on our website for patients to look at.

20           The second thing is, we didn't think we  
21 could get around this notion of peer reviewing to  
22 ensure adherence to the methodology standards by

1 saying that, don't worry, a journal will take care  
2 of that. So, those were the two things that drove  
3 us to feel that we needed our own peer review  
4 process.

5 DR. KRUMHOLZ: But one of my questions --  
6 won't people say that if at the end they're not  
7 adhering then we haven't done our job either in the  
8 approval of the grants or in our monitoring of it  
9 through the process? And secondly, what if I, as  
10 the investigator, disagree with your peer review?  
11 What are you going to do then in the sense -- and,  
12 you know, you and I have a lot of experience as  
13 investigators don't always agree with the peer  
14 review that comes our way and so how is that --  
15 it's just another issue to manage?

16 DR. SELBY: I think that is a very good  
17 question, a question of what if at the end of the  
18 day we do disagree about the peer review and I  
19 don't know that I actually have an answer for it at  
20 this point. I think ultimately one of the reasons  
21 that NIH pointed us to this notion about the end of  
22 contract was if we said three months after the end

1 of the contract, there was really no other lever to  
2 use with people to get the research done. Now, we  
3 built it into milestones and the final payment  
4 doesn't occur until we've got the final draft peer  
5 reviewed.

6 So, that gives us --

7 DR. KRUMHOLZ: [Off microphone.]

8 DR. SELBY: You like that? Okay, good.

9 But I think that's a good public comment, Harlan,  
10 that we're going to need to figure out what is our  
11 stance on research, which after everybody's best  
12 efforts there's a disagreement? It's not like we  
13 can -- if you're peer reviewing for a journal you  
14 just say, send it elsewhere. We don't want to say  
15 that. We want to say, ultimately, post it. So, I  
16 think we're going to have to work on that a bit.

17 CHAIRMAN NORQUIST: Allen?

18 DR. DOUMA: Several things, one is more  
19 profound and a couple are more detailed, I guess.  
20 I think that we need to have more respect for  
21 patients and caregivers that they are able to look  
22 at something and if it says, this is in peer

1 review, it's not final, it's okay. We -- too often  
2 as professionals we don't respect patients and  
3 people enough and I think we ought to recognize  
4 that as a flaw in our own behavior.

5 I think -- a couple of questions, one is  
6 in the initial discussion, I didn't see it here in  
7 this presentation, it wasn't clear how long the  
8 iterative process between submission of the  
9 results, our peer review, sending it back, the PI  
10 reviewing it, agreeing or disagreeing with what was  
11 said, it comes back to us, it goes back and forth,  
12 and how long can that possibly take? If we allow  
13 four or five iterations and they're a couple of  
14 months each, it's going to take a long time.

15 So, it would be good to have some kind of  
16 timeframe for that.

17 And another question I had back when this  
18 was first presented and maybe you have an answer  
19 now, is it, are we going to be able to apply this  
20 to existing contracts or is this a process that  
21 only can be -- particularly if there's any punitive  
22 aspect to it -- of contracts are going forward in



1 the future?

2 DR. SELBY: You know, I think that the  
3 first contracts affected are those from the pilot  
4 studies, which are coming in now, the results are  
5 coming in. I think we will try to apply it as best  
6 we can but knowing that, you know, some of the --  
7 like, for example, this date of the -- final data -  
8 - the end of data analysis has not been set for the  
9 pilots.

10 I think we will try to, without doing a  
11 bait and switch with the awardees, we will try to  
12 apply as much of it as we can to all of the funded  
13 research.

14 Again, I think, you know, PCORI also has  
15 an interest in at least having a rough look at what  
16 we're going to post on our website and making  
17 certain, through a peer review process, that we're  
18 comfortable putting it on our website. I just --  
19 so, it's not out of a lack of adequate respect for  
20 any stakeholder group that we do that, it's out of  
21 our own due diligence.

22 DR. DOUMA: Well, consider what Harlan K.

1 said is, if it's a totally transparent process,  
2 then we can do all of that. We can do both. And I  
3 think, again, that people can see that this is in  
4 process and not act hastily based on information  
5 that's in the --

6 DR. SELBY: And, in fact, that may be the  
7 solution to Harlan's question is that if in the end  
8 we don't agree, we post their findings and any  
9 concerns we have about them.

10 CHAIRMAN NORQUIST: Harlan Weisman.

11 DR. WEISMAN: Yeah, Harlan Weisman, and I  
12 have, I guess, supplementary comments to Harlan  
13 Krumholz and what Allen Douma was saying, and it's  
14 really around our mission, which reads, "PCORI  
15 helps people make informed healthcare decisions and  
16 improves healthcare delivery and outcomes by  
17 producing and promoting high integrity, evidence-  
18 based information that comes from research guided  
19 by patients, caregivers, and the broader healthcare  
20 community."

21 And, you know, you insert that into our  
22 vision, which is that we make sure patients and the

1 public have the information they need to make  
2 decisions that reflect the desired healthcare  
3 outcomes, it means that somehow we're not only just  
4 posting an abstract or here are the results and  
5 they've gone through peer review, but there ought  
6 to be some kind of interpretation and guidance  
7 function about what the data -- not necessarily  
8 that we have to interpret the data for clinicians  
9 and patients, but at least guide them on how they  
10 might be able to interpret it and use it and  
11 incorporate it into their decision making, which is  
12 far more complicated, I think, than what's being  
13 outlined here, but it seems to me to be the most  
14 important end product.

15 I think it's wonderful that it will go  
16 through scientific peer review and be published in  
17 high quality medical journals. I don't think  
18 that's PCORI's major mission.

19 PCORI's major mission is to provide  
20 patients and clinicians and others, their families,  
21 with the information they need to make high quality  
22 decisions. That's not going to come out of the New

1 England Journal of Medicine, with all due respect  
2 to that journal, or the Lancet or any other one.  
3 It's going to come from something, hopefully, that  
4 PCORI does.

5           One last point is, as Harlan K. was  
6 talking, I was thinking maybe of a wiki-like  
7 process of posting something, providing our  
8 interpretation on its utility, and perhaps the  
9 investigators' viewpoint on that, and then  
10 allowing, as wiki does, a process of discussion,  
11 debate, and perhaps resolution.

12           CHAIRMAN NORQUIST: Okay. Larry, and then  
13 Rick, and then Bob.

14           MR. BECKER: This is Larry Becker. Just a  
15 question. In the final report, did we consider a  
16 paragraph on what this means to patients?

17           DR. SELBY: Well, you know, the  
18 legislation is really explicit. They say, we want  
19 conclusions, their applicability, their  
20 limitations, their possible differences in  
21 different patient subgroups. So, I think the  
22 legislation makes it very clear that this has to be

1 a useful document to patients and I think that is  
2 part, again, of where the peer review process would  
3 come in. It's not -- you know, 300 awardees are  
4 not uniformly going to crank out these abstracts  
5 with the limitations and the conclusions and  
6 interpretations in the subgroups without a little  
7 guidance, and that, I think, is what our peer  
8 review would focus on that in the methodologies.

9 DR. WEISMAN: You know, there's another  
10 set of peers that have to be included that aren't  
11 typically included in journal review, and those are  
12 the patients and clinicians and family and  
13 caregivers, the other stakeholders, who should be  
14 part of the process, and have we thought about  
15 that?

16 CHAIRMAN NORQUIST: Okay. Rick?

17 MR. KRONICK: I think all of this  
18 conversation suggests that to get really useful  
19 public comment, providing some more information and  
20 perhaps some questions about what this peer review  
21 process might look like would be helpful. So, if  
22 we're clearly considering a number of options of

1 what the peer review process might be, you talked  
2 about, you know, having a contactor but, you know,  
3 what might get done, and if we want more useful  
4 comments providing a little more on either what  
5 we're thinking or what the options are in what  
6 we're thinking, we're likely to solicit far more  
7 useful comments.

8 CHAIRMAN NORQUIST: And that was Rick  
9 Kronick.

10 MR. KRONICK: Rick Kronick, Board member.

11 DR. SELBY: So, Rick Kronick, in fact, the  
12 contractor has been given a set of questions to --  
13 explicit questions about the reports to try to  
14 solicit some -- in areas that we have doubts about.

15 CHAIRMAN NORQUIST: Bob?

16 DR. ZWOLAK: Bob Zwolak, Board member. I  
17 think this is going to launch us into a new area,  
18 certainly investigators are used to peer review,  
19 but now they get the distinct honor of undergoing  
20 dual peer review and it may be different, it may be  
21 different metrics proposed or provided in the PCORI  
22 peer review, but I think we may need to think of

1 this a little bit in terms of an iterative process  
2 because we may come to the point where, in some  
3 cases, where the scientific journal peer reviewers  
4 may have different thoughts about the data or the  
5 presentation than the PCORI peer reviewers. And so  
6 there may, in fact, be some controversy we have to  
7 look at or settle over time.

8 DR. SELBY: Yeah, I wanted to clarify  
9 that. In the past, researchers have been very  
10 troubled if an agency wanted to peer review their  
11 work before they could submit it for publication,  
12 and we're not saying this. Our policy does not go  
13 there at all. They can have submitted a paper  
14 before they submit their final report to us.

15 They can submit a paper while they're  
16 undergoing our peer review or we'd actually be  
17 happy to invite them to share our peer reviews with  
18 a journal they're applying to later, so we are not  
19 building in this delay or interference with  
20 investigators' ability to publish.

21 CHAIRMAN NORQUIST: I think that's all.  
22 Okay, so we'll call the question. All we're voting

1 on, and this can be by voice vote, is the ability  
2 to put this up for comment. We're not approving  
3 this policy. Obviously, we'll take all the  
4 comments in consideration. Yes, Harlan?

5 DR. KRUMHOLZ: I just wonder about the  
6 response to Rick's point in the sense that we're  
7 voting broadly for this public comment but we're  
8 not saying how it's going to be proposed for public  
9 comment and I just didn't know if just, Joe, you  
10 wanted to -- how you wanted -- just to respond --  
11 the point, I think, is that the more specificity  
12 and clarity around this, the better quality of the  
13 public comment, and I think raising some of these  
14 particular questions and issues, these are the  
15 pressure points. In other words, here's the  
16 policy, here's some of the pressure points around  
17 this policy that if people have views, we would  
18 welcome.

19 And I think you could cluster them. I  
20 mean, for investigators, how's it going to feel to  
21 get two peer reviews? How are you thinking you're  
22 going to manage disparate reviews? I don't know.



1 But there are -- it would be great to -- I'm not  
2 just trying to get criticism of our policy, but  
3 more like crowd source ideas and to make sure that  
4 we're conveying an openness.

5 We're trying to balance our legislative  
6 mandate, our urge to get this stuff out, our urge  
7 to get it out in a way that's reliable and  
8 trustworthy, recognizing that there could be  
9 additional burden imposed. We're looking for good  
10 ideas. Here's our first shot at this, but we're  
11 eager to hear suggestions about ways that we could  
12 do better.

13 I think that kind of tone could be very  
14 inclusive and supportive rather than, you know,  
15 here it is, and throw something in if you want, but  
16 we're already, you know, locked in on this.

17 CHAIRMAN NORQUIST: I think Rick wants to  
18 add --

19 MR. KRONICK: Rick Kronick, Board member,  
20 and I guess Allen Douma's earlier comment, you  
21 know, it would be useful in getting public comment  
22 to provide the public some sense of what we're

1 expecting in terms of timing, you know, that kind  
2 of information.

3 CHAIRMAN NORQUIST: I think that's very  
4 critical. Joe, do you want to respond?

5 DR. SELBY: Well, you know, I like where  
6 this is going and I'd like to say that I think that  
7 we can continue to take your suggestions, either  
8 now or even after this meeting, on specific  
9 questions. One of the specific questions that we  
10 asked was, in fact, what is your response to the  
11 proposition that these reports should be peer  
12 reviewed? So, we invited the public to actually  
13 weigh in on this notion that we were doing our own  
14 peer review. That's one of them.

15 Then I think I looked at it briefly with  
16 Bill last week and I think there's about five to  
17 six sections where they're invited to comment on  
18 different portions of it, but more specific  
19 comments would be -- I totally agree, it would be  
20 very indicative of our sincere interest on tough  
21 questions that we've wrestled with.

22 DR. DOUMA: Gray, quickly, on the process.

1 When we put this up for public comment, and just an  
2 example, I respond with a question, will other  
3 people be able to see my question?

4 DR. SELBY: Your comments? Yes.

5 CHAIRMAN NORQUIST: So, are we ready? Are  
6 there any other comments about this? Do you have a  
7 game plan here? Do you feel comfortable with --

8 DR. SELBY: The only -- yes. I feel very  
9 comfortable. The only thing is I'd love to, you  
10 know, invite Harlan and anybody else to submit  
11 specific questions that you think make sense to put  
12 on this solicitation of public comments.

13 CHAIRMAN NORQUIST: That's kind of a  
14 friendly amendment, I think, that is helpful. But  
15 let's get a deadline on getting those questions in  
16 so we don't have this -- so, if we could -- if  
17 we're going to post this, we're going to post it  
18 soon.

19 DR. SELBY: Let me just ask Bill what his  
20 take on -- is on whether -- we actually want to get  
21 this posted today just so that there's -- you know,  
22 the legislation says 45 to 60 days, we'd like to be

1 as close to 60 as we can. But if we post it today,  
2 Bill, we should be able to -- we should be able to  
3 make some modifications. Few people are going to  
4 respond in the first one to two days.

5 BILL: We have a couple of possibilities;  
6 one would be to walk through what we have now. We  
7 have a couple of folks to make sure that some of  
8 those issues are covered. I think many of them are  
9 but there's always opportunities to get more  
10 specific, and I certainly agree with you, Harlan  
11 and Rick, that the more guidance we can provide,  
12 and I think we've provided more than one might  
13 expect in a general public comment period on  
14 something like this, can be helpful.

15 So, we can certainly hold off for a day or  
16 so to get that done if you wanted to make it  
17 official.

18 DR. KRUMHOLZ: One question I had, Bill,  
19 about this public comment, will the public comment  
20 be visible -- I mean, sometimes people are just  
21 throwing -- like, if I make a comment, will other  
22 people see my comment?

1 BILL: Yes, all comments -- all comments  
2 will be displayed in real time.

3 DR. KRUMHOLZ: Yeah, so for me, as a  
4 living document, I think it's okay. I mean, you  
5 can go out and encourage people to even post  
6 questions and then there may be some conversations  
7 that accrue. I think that should be the spirit of  
8 what we do rather than say here's the perfect  
9 piece.

10 I mean, but I think there's a part about  
11 encouraging people and getting them off the mark,  
12 so if you can start with a few key questions for  
13 different constituencies, I think that's great, but  
14 I don't think we have to feel that we're being  
15 exhaustive because it starts a conversation, I  
16 think that would be great, and I think you're also,  
17 from the investigator point of view, engaging  
18 Academy of Health and some of the others to get  
19 people engaged in talking, the patient engagement  
20 groups, our PPRNs, you know, others to kind of get  
21 engaged and help us would be really terrific.

22 BILL: And that's part of the outreach

1 plan, the combination of live -- a live event  
2 webinar and additional outreach to solicit  
3 comments.

4 I think the only open question is, are  
5 there any critical guidance type questions that  
6 should go in from the get go or are we ready to go  
7 now in the spirit that you suggested, Harlan?

8 DR. WEISMAN: Would you allow -- I mean, I  
9 don't know what Joe had in mind, but in terms of  
10 Board members providing additional comments or  
11 questions before you post, what do you think about  
12 the idea of having Board members be part of the  
13 public and offer comments and questions that  
14 others, including PCORI staff can respond?

15 BILL: Yeah, it's completely fine. I  
16 mean, one of the models we used here was --  
17 remember, we've done this twice before, we did it  
18 with priorities and agenda and we did it with the  
19 methodology report and standards, and in both cases  
20 we saw the Board and others who have an official  
21 PCORI relationship as among those whose comments we  
22 would value.

1           CHAIRMAN NORQUIST: Joe, I think we have a  
2 plan then and it sounds like we can make it as  
3 transparent as possible and we may not have all the  
4 right questions, but let's see what the field says,  
5 right. Okay.

6           So, I'm going to call the question.  
7 All those in favor of posting these?

8           [Chorus of ayes.]

9           CHAIRMAN NORQUIST: Anybody opposed?  
10          [No response.]

11          CHAIRMAN NORQUIST: Any abstain?  
12          [No response.]

13          CHAIRMAN NORQUIST: Okay, it passes.  
14 Thank you. Steve, you're on for the Governance  
15 Report.

16          VICE CHAIRMAN LIPSTEIN: I am the last  
17 agenda item between you and your lunch, so I will  
18 try and be brief.

19          Members of the Board will remember that  
20 about 15 months ago we commissioned an evaluation  
21 of our governance processes and structure that we  
22 had put in place during our first three years of

1 PCORI's existence and out of that evaluation  
2 process conducted by Marla Bobowick and Debbie  
3 Hechinger there were a series of recommendations  
4 made that you all approved.

5           Actually, you approved at this meeting  
6 about a year ago and just to remind you that as a  
7 consequence of approving those recommendations, we  
8 approved the Strategic Plan at the beginning of  
9 2014. We reconstituted the strategy committees of  
10 our Board and recharted them in the first quarter  
11 of 2014, which included the Scientific Oversight  
12 Committee, the Committee on Engagement,  
13 Dissemination and Implementation, and the Research  
14 Transformation Committee.

15           And then a lot of that activity just  
16 resulted in the budget that you approved earlier  
17 this morning.

18           The one thing that we did not approve a  
19 year ago, the one question that we didn't -- or  
20 recommendation we did not approve a year ago that  
21 we delegated to the Governance Committee of our  
22 Board is the question of whether or not we should



1 have an Executive Committee of our Board.

2           So, I am reporting to you today in a  
3 capacity as the Chair of the Governance Committee  
4 of the Board and other members of that committee  
5 are Robin Newhouse, Gray Norquist, Allen Douma, and  
6 Sharon Levine. So, I am reporting our  
7 recommendation as a committee to you.

8           The three topics that we have discussed at  
9 our meetings between the last Board meeting and  
10 today have to do with this Executive Committee,  
11 guidance on voting, and the status of selecting  
12 topics for Board development education, and I will  
13 speak quickly on all of these but spend a little  
14 bit more time on the Executive Committee.

15           One of the reasons for having an Executive  
16 Committee, as we've discussed, and when we reviewed  
17 our recommendations a year ago, is to basically  
18 either to allow staff to get needed Board approvals  
19 between meetings or to provide final approval of  
20 matters that have already come before the Board, or  
21 to approve items that just don't warrant the time  
22 and attention on this agenda of the full Board.

1           When we evaluated those possibilities for  
2 chartering an Executive Committee in the context of  
3 both our authorizing law and how that law limits  
4 what we can delegate to an Executive Committee and  
5 what we must do in public and open session, and  
6 then as we evaluated that in the context of D.C.  
7 not-for-profit law as to also what needs to be done  
8 at the full Board level and not at the Executive  
9 Committee level, we found that there were really no  
10 significant matters that had arisen during the  
11 first three years of PCORI's existence that would  
12 have been delegated to an Executive Committee, and  
13 we tried to write a charter for one and we found  
14 that there was just nothing to put in the charter.

15           So, what we did was, we realized that  
16 there were other avenues in terms of what the  
17 executive director and staff had available to them  
18 in terms of the executive director meeting with or  
19 discussing issues with Board leadership and with  
20 the committee leadership, and the Board has  
21 authorized already the chairperson and vice-  
22 chairman of the Board to approve certain

1 expenditures as part of the budget that you just  
2 approved earlier today.

3           So, after deliberating on this for two  
4 meetings and trying to come up with a charter, we  
5 just are recommending to the full Board that we not  
6 authorize an Executive Committee at this time, that  
7 there just wasn't sufficient responsibility that  
8 could be chartered to an Executive Committee that  
9 doesn't need to be done in front of the full Board,  
10 and I'm going to talk a little bit about that in  
11 just a minute.

12           I'll come back to that recommendation, but  
13 I'm just going to move through this so that I can  
14 provide the full context.

15           As you will see, when it comes to voting  
16 at Board meetings, whether we're voting at open  
17 meetings of this Board in face-to-face meetings, or  
18 voting over the phone in open meetings, we really  
19 looked into whether or not we need to do voice  
20 votes, which are less time consuming, or roll call  
21 votes, which are more time consuming, and so what  
22 we decided is that voice votes are appropriate for

1 approving the minutes and things that are on the  
2 consent agenda for each Board meeting or each  
3 committee meeting, and that any member of the Board  
4 or any member of a committee can ask that something  
5 be removed from a consent agenda so that it can be  
6 discussed individually and voted on individually.

7           But these are the things that require a  
8 roll call vote and these are also the things that  
9 this Board must do as a full Board, and that we  
10 would never delegate to an Executive Committee. We  
11 approve all awards or slates of awards, we approve  
12 the budget, we approve any matters that require,  
13 really, a heightened level of approval, such as our  
14 bylaws, and then again, by statute, the full Board  
15 must approve of everything related to our National  
16 Priorities, our Research Project Agenda, the  
17 Methodology Standards, and the Peer Review Process.

18           So, again, there's just a very -- and  
19 because a lot of our work has to be done in open  
20 forum, there just isn't an opportunity to delegate  
21 much to an Executive Committee.

22           So, the last thing I will talk about is

1 what we -- the third item on our Governance  
2 Committee agendas, these are the topics that we  
3 have already covered with you as a Board. You  
4 wanted much more insight into PCORI's research  
5 portfolio and the impact of that portfolio, and  
6 these are the topics that we have covered already  
7 with you as a Board.

8           You're going to hear more about improving  
9 healthcare systems this afternoon, and Dr. Kronick  
10 is our featured speaker this afternoon on something  
11 you also wanted to know more about, which is the  
12 expenditures out of AHRQ's PCOR Trust Fund  
13 Portfolio.

14           MR. KRONICK: Just a slight correction,  
15 I'm not an MD, which it says on the last slide, so  
16 just in case anybody's looking.

17           VICE CHAIRMAN LIPSTEIN: Neither am I, but  
18 I never admit it. That's true.

19           And then these are the other topics that  
20 you all have submitted to our Committee and we will  
21 prioritize these and put them before staff. But  
22 again, a broader perspective into the healthcare

1 research world and how we fit into it, how what we  
2 do differs from other organizations that are  
3 interested in healthcare research, an overview of  
4 healthcare infrastructure funding in research, so  
5 the PCORnet that we are establishing, a look  
6 outside of the United States to see how other  
7 countries approach PCORI's mission, and then again,  
8 an effective review of our Board of Governance  
9 tools and resources. One of the suggestions Dr.  
10 Krumholz came up with was, you know, when is the  
11 right time to do another evaluation of our Board  
12 and this new structure that we put into place.

13           As you know, that's a time consuming  
14 activity and not inexpensive, but it's a very  
15 thoughtful suggestion and one we want to put into  
16 the schedule and sequence for our next governance  
17 committee discussion.

18           And so, these are the committee chairs,  
19 and so, Gray, the only thing I think we need is an  
20 approval of our recommendation not to charter an  
21 Executive Committee, and while I'm not sure we ever  
22 vote on recommendations like that, we just wanted

1 to make sure we close the loop and let the full  
2 Board know that we evaluated this recommendation  
3 thoroughly and we just don't believe it's necessary  
4 that we charter an Executive Committee at this  
5 time.

6 I would invite any of my fellow committee  
7 members -- Robin, Gray --

8 CHAIRMAN NORQUIST: -- when I'm on the  
9 Hill where the attorney is talking to me --

10 [Laughter.]

11 CHAIRMAN NORQUIST: Very good solution  
12 that she has, so the easiest thing to do is just  
13 have the Board approve our recommendations. We  
14 don't necessarily have to vote on the fact that we  
15 have or don't have anything.

16 VICE CHAIRMAN LIPSTEIN: Okay. I'll make  
17 a motion to that effect, that you approve the  
18 recommendations of the Governance Committee.

19 CHAIRMAN NORQUIST: So, thank you.

20 DR. DOUMA: Just as a member of the  
21 Committee, I second everything that Steve is saying  
22 and it's remarkable how fast he can talk.

1 [Laughter.]

2 CHAIRMAN NORQUIST: CEOs, they can talk  
3 fast.

4 MR. BARNETT: This is Kerry Burnett. I  
5 don't want to slow things down.

6 Steve, you have your slides on the voting,  
7 you said voice votes will generally be used to take  
8 action on minutes and consent agenda items and then  
9 you have roll call votes are required -- there are  
10 actually a lot of other matters that are in between  
11 there and I'm assuming that you're not intending to  
12 suggest that voice votes will only be used on those  
13 items, that we'll continue to use voice votes on  
14 everything else.

15 VICE CHAIRMAN LIPSTEIN: That's correct,  
16 Kerry. I think the word "guidance" here is  
17 important.

18 We were just providing guidance on the  
19 things that the Committee had discussed and if  
20 there are other kinds of votes that require  
21 guidance, they should be directed to the Executive  
22 Committee or directed to our general counsel.



1           CHAIRMAN NORQUIST: Yeah, trust me; we  
2 will definitely do roll call votes when I'm told we  
3 have to do roll call votes.

4           UNIDENTIFIED BOARD MEMBER: We'll only use  
5 roll call votes when we have to.

6           CHAIRMAN NORQUIST: When we have to, yes.  
7 We were trying to get the voice votes -- right,  
8 exactly.

9           Okay, any other discussion?

10          [No response.]

11          CHAIRMAN NORQUIST: Okay. All those in  
12 favor?

13          [Chorus of ayes.]

14          CHAIRMAN NORQUIST: Anybody opposed?

15          [No response.]

16          CHAIRMAN NORQUIST: Any abstain?

17          [No response.]

18          CHAIRMAN NORQUIST: Okay, anything else?

19 Is that it?

20          [No response.]

21          CHAIRMAN NORQUIST: We are adjourning for  
22 lunch and we should tell the people on the -- we're

1 coming back at 1:15 Eastern daylight time.

2           So, for those of you who are listening in,  
3 we will be back at 1:15 eastern daylight time.

4           [Whereupon, at 11:33 p.m., a luncheon  
5 recess was taken.]

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1 A F T E R N O O N S E S S I O N

2 [1:25 p.m.]

3 CHAIRMAN NORQUIST: Thanks. So, we're  
4 back. The Board is back in in-person session and  
5 at this point we will start the panel discussion  
6 with the PCORnet Clinical Data Network and the --  
7 oh, everybody's ready. That's wonderful.

8 Okay, so we'll let you all introduce  
9 yourselves and I think --

10 DR. SELBY: -- and then hand it over to  
11 Rachael.

12 So, it always delights me to remind the  
13 Board that PCORnet was their idea, definitely not  
14 mine in the beginning, and it's one of the areas  
15 where, thank goodness for the Board, having been  
16 involved in this kind of research before I was a  
17 little on the reluctant side, but this PCORnet has  
18 turned into a world of its own and part of our  
19 mission today is to kind of bring PCORnet and  
20 PCORI, and the PCORI Board, particularly, closer  
21 together.

22 PCORnet is all consuming; it involves

1 1,000 researchers and their affiliated patients and  
2 clinicians. One hour in normal time is accomplished  
3 in 15 minutes, so there's a 4:1 ratio, we  
4 accomplish four times as much in PCORnet and time  
5 flies by four times as fast in PCORnet.

6 I think we underestimated the potential  
7 that PCORnet has to transform the way clinical  
8 research is done. We underestimated the interest  
9 of the country in seeing clinical research  
10 transformed, whether that be at NIH, whether that  
11 be in academic medical centers, whether that be in  
12 patient organizations, whether that be in PhRMA.

13 So, much more exciting, much more  
14 challenging, much more engrossing than probably any  
15 of the four PIs who are visiting us today thought  
16 or any of the others, and I'm going to now hand it  
17 over to Rachael Fleurence, without whom PCORnet  
18 wouldn't be -- I mean, Rachael really is the  
19 program director for the entire methods portfolio,  
20 but in her spare time she leads PCORnet and she'll  
21 tell you too that it's pretty exciting and  
22 engrossing.

1           So, I thank Rachael and the four PIs who  
2 Rachael is going to introduce coming here today,  
3 and I really -- we want to hear presentations and  
4 then have you engage with our visiting PIs to get a  
5 better sense of what's going on and where PCORnet  
6 is headed or could be headed.

7           MS. FLEURENCE: Thanks, Joe. So, I'm  
8 delighted to introduce four of our PPRN and PPRN  
9 PIs that have graciously agreed to come here today  
10 and make some presentations to you. So, I'm going  
11 to introduce them. At my right, Tom Carton, who's  
12 the director of analytics at the Louisiana Public  
13 Health Institute. He's the PI of our Louisiana  
14 CDRN.

15           Next to Tom is Rachel Hess, who is an  
16 associate professor of medicine at Pittsburgh and a  
17 professor of medicine at the University of Utah  
18 School for Health Sciences, and she is the PI of  
19 our Pittsburgh CDRN.

20           Holly Peay is the PI of the Duchenne  
21 Connect Patient Report Registry. She's also the  
22 director of the Duchenne Connect Registry and she's

1 the vice president of education and outreach for  
2 the parent project Muscular Dystrophy Project.

3 And then finally Sharon Terry, who is the  
4 PI of the Community Engage For All Network or CENA.  
5 She's the president and CEO of Genetic Alliance,  
6 which is a network of more than 10,000  
7 organizations.

8 Sharon's list of commitments to PCORnet is  
9 endless, so I won't read them out, but she co-  
10 chairs our Governance Taskforce and is also helping  
11 us do a lot of groundbreaking work in privacy.

12 So, with that, I'm going to turn it over  
13 to Tom for the presentations.

14 MR. CARTON: Thank you very much, Rachael,  
15 for the introduction and thanks to everyone for  
16 giving us the opportunity to speak to you today.  
17 My name is Tom Carton and I'm the PI for the  
18 Louisiana CDRN and I work for the Louisiana Public  
19 Health Institute.

20 The overview of our network is to  
21 facilitate efficient and conductive patient-  
22 centered comparative effectiveness research by

1 establishing a data network with the clinical data  
2 records of more than one million patients across  
3 the state of Louisiana.

4           We focus primarily on three patient  
5 cohorts, each of the CDRNs was asked to choose a  
6 high prevalence cohort and a low prevalence cohort  
7 and we were all given the obesity and weight  
8 management cohort. So, our network chose diabetes,  
9 leveraging a number of years of work in diabetes  
10 care management that was really initiated under the  
11 Beacon program that formed the Greater New Orleans  
12 Health Information Exchange in 2010, and sickle  
13 cell disease, also taking advantage of some  
14 collaborations with both Ochsner Health Systems and  
15 Tulane University that have done sickle cell  
16 research over the years.

17           Our network partners are Louisiana Public  
18 Health Institute, the next acronym, PATH, is not  
19 Rachael's PATH, but Partnership for Access to Total  
20 Health, which is the evolution of the Greater New  
21 Orleans Health Information Exchange, which was that  
22 Beacon project.

1           Pennington Biomedical Research Center and  
2 LSU Health are both affiliated with the Louisiana  
3 State University System. They used to run the  
4 public hospital system, which has since been  
5 privatized, but still has use agreements with each  
6 of those contributors and their harmonic data  
7 warehouse.

8           Tulane University Medical School and  
9 School of Public Health. Tulane University is also  
10 a contributing member of PATH, the Greater New  
11 Orleans Health Information Exchange, and Ochsner  
12 Health Systems, which is one of the largest health  
13 systems in the state of Louisiana.

14           This slide is designed to just describe  
15 the cohesion across our partners. We view the  
16 project as a team of teams with research,  
17 engagement and data. That's the way we're  
18 organized. I know each network is organized  
19 differently. From a research point of view we have  
20 obtained agreements to work through IRBshare for  
21 Institutional Review Board coordination, including  
22 protocols and consents and so forth.



1           We've also established cohort-specific  
2 advisory groups that identify patient centered  
3 research priorities. These are made up of  
4 clinicians, researchers, and patients, from each of  
5 the contributing health systems and are built  
6 around our three cohorts: diabetes, sickle cell,  
7 and obesity.

8           From an engagement point of view, we are  
9 building a pragmatic trial application suite on  
10 tablet computers, integrated alongside of EHRs, but  
11 not directly through each individual EHR. We have  
12 about 10 or 15 different EHR systems across the  
13 network, some of our networks are networks of  
14 networks.

15           The Greater New Orleans Health Information  
16 Exchange has 12 FQHCs in the greater New Orleans  
17 area, so we really needed an EMR-Agnostic system  
18 that could communicate with EHRs, but at the same  
19 time not be beholden to each and every -- and that  
20 application suite is in three pieces allowing us to  
21 collect patient-reported outcomes, to allow for  
22 electronic recruitment to clinical trials and

1 clinical trials management application. The one  
2 that's in development right now is getting patient-  
3 reported outcomes and the recruitment and the  
4 management app are coming in subsequent phases in  
5 Phase I, but just not within the first six months.

6 We've also established a Health in Our  
7 Hands Patient Network, which is the patient-facing  
8 side of the LACDRN that patients can send into.  
9 They are then engaged bi-directionally, we send  
10 information to them, dissemination of findings,  
11 potential clinical trials, news, and also engage  
12 them to share patient reported outcomes and patient  
13 generated data.

14 From a data point of view, our partners  
15 have contributed to the common data model. We have  
16 2.3 million patients in our data center at this  
17 point. We've established a global patient  
18 identification system for de-duplication of  
19 patients because our systems are complicated. One  
20 of the former public hospitals was bought by  
21 Ochsner, so their data is in the LSU system and  
22 it's in the Ochsner system. We also have patients

1 that move in and out of systems throughout the  
2 greater New Orleans area, so we've worked with  
3 CAPriCORN, Chicago's CDRN, to establish a global  
4 patient ID that uses has algorithms and doesn't  
5 require sharing of PHI.

6 We also have an informatics solution  
7 that's capable of linking the clinical and the  
8 patient-generated data. In the early stages of  
9 collecting patient-recorded outcomes, it's not  
10 really that difficult, but further down the road  
11 when we would like to be able to engage patients  
12 outside of clinical settings and collect patient-  
13 reported data from centers and so forth, we needed  
14 an open stack solution to be able to do that.

15 This diagram overviews the patient and  
16 provider representation and decision-making. The  
17 former patient involvement and governance comes in  
18 the patient board and the clinician board. The co-  
19 PIs are the ultimate decision makers of the body,  
20 which I'll explain in one of the challenge pieces.

21 The lower part of the diagram are informal  
22 methods of capturing patient and provider

1 perspectives to inform network activities. A  
2 couple of concrete examples of this is the patients  
3 have vetted our tablet patient-reported outcome app  
4 suite and have also vetted a roughly one-minute  
5 video that describes Health in Our Hands to  
6 patients as they are seen in health systems.

7           Of the successes, first is the rapid  
8 design and procurement of this integrative  
9 informatic solution, which involves not just the  
10 clinical data warehouse and the global patient ID,  
11 but management of patient-reported outcomes,  
12 patient-generated data.

13           Partnership co-development of the LACDRN  
14 app suite and patient engagement strategy, that is  
15 EMR-agnostic and it was difficult for some of our  
16 systems to swallow at first, but after subsequent  
17 discussions and understanding of the necessity from  
18 the network's point of view, we were able to get  
19 that buy in; and then also engagement of patients  
20 and clinicians in network governance, decision-  
21 making and priority setting.

22           Some of the challenges, network partner

1 decision-making, so the co-principle investigators,  
2 not in every case, were the final decision makers  
3 for that organization, so the co-PI from the Tulane  
4 University Medical School has to constantly walk  
5 HCA through the process and get HCA's buy-in in  
6 both the clinical, the informatic side, but also  
7 the patient-engagement side. The same is true with  
8 our co-PI from Pennington Biomedical, who works  
9 very closely with the LSU Healthcare Services  
10 Division, which holds data that is now in the hands  
11 of a number of private partners, owned by a number  
12 of private partners.

13           So, ultimately, after a number of  
14 iterations, we decided that it's the co-PI's  
15 responsibility to bring their organizations on  
16 board. Now, each of these organizations sit on our  
17 administrative board, so it's not like they don't  
18 have wider integration with the rest of the team,  
19 but really we needed somebody to be ultimately  
20 responsible for that decision making. And then,  
21 achieving a balance between network standardization  
22 and nodal customization.

1           I think patient-reported outcomes is  
2 probably the easiest example of that, so everyone  
3 has bought on to the network standardization of the  
4 process, but each of the systems have different  
5 ideas as to what types of patient-reported outcomes  
6 they can collect with this new system that they  
7 think is really cool and could really save a lot of  
8 their time and workflow. So, one group might want  
9 a quality of life scale, another group might want a  
10 BHQ9, and so what we're trying to do is say, all  
11 right, well, from PCORnet we're beholden to collect  
12 these patient-reported outcomes.

13           We want the survey done in two to three  
14 minutes. What could you add on top of this that  
15 could be of benefit to you so that we can offer  
16 some type of customization and really meet the  
17 clinical decision makers in the middle of -- the  
18 intersection between quality improvement and  
19 research?

20           This slide outlines a number of our  
21 partnerships, both across CDRNs and PPRNs and then  
22 also outside of the network and what we're working

1 on. So, I mentioned the global patient IT. We're  
2 also working with CAPriCORN and pSCANNER on VA  
3 engagement specifically VA data contributions and  
4 there's a national workgroup on that. And then two  
5 of the other CDRNs have sickle cell cohorts and two  
6 of the other CDRNs have diabetes cohorts, so our  
7 researchers and staff have met regularly to  
8 coordinate research interests.

9           From a PPRN point of view we're currently  
10 working with two with the goal of eventually  
11 creating frameworks and templates that then we can  
12 use to engage other PPRNs. So, the Healthy Heart  
13 Alliance, we're working with Patient Engagement and  
14 CONNECT PPRN. We are running queries for them, and  
15 again, the goal is to have these as our initial  
16 relationships and then expand out from there.

17           Potential network members, we are working  
18 with our local VA office as well. Conveniently,  
19 they're in the same office building as me. From a  
20 health informatics point of view we're working with  
21 the Louisiana Optical Network Initiative, which is  
22 just a high speed broadband line that a number of

1 cancer researchers and other researchers across the  
2 state have used to work with genetic data and other  
3 big data initiatives.

4           Also, both Tulane University -- both LSU  
5 and Ochsner received an NCI community oncology  
6 research program and so we're working with them  
7 and, in fact, other research that's going on across  
8 the state to really be able to leverage the  
9 research that's going on across the state with the  
10 Louisiana CDRN.

11           So, finally, I'll end with a vision in  
12 impact. I mean, there's a lot of talk in PCORI and  
13 IOM circles about this learning health system and  
14 given that we are a number of health systems in a  
15 state, we're really starting to talk about this as  
16 a learning health state, and the goals are to  
17 create capacity, to embed these pragmatic research  
18 within health systems, develop an innovative  
19 patient engagement approach through our app suite  
20 and Health in Our Hands patient network, leverage  
21 resources through collaborations with other  
22 statewide research projects and CDRNs and PPRNs, as



1 was demonstrated in that last slide, and build and  
2 maintain a standardized and valid data  
3 infrastructure.

4           So, once again, thank you for your time  
5 and I'm going to pass it over to Rachel.

6           DR. HESS: Thanks Tom. I script it and so  
7 they've generously, now I have like multiple  
8 devices to advance, so if things don't quite work  
9 right, just holler and say you forgot to move the  
10 slide up there, and I was just thinking about what  
11 Tom said, trying to get surveys down to two to  
12 three minutes, we've got -- we're trying to  
13 convince investigators that they don't need 40-  
14 minute patient reported outcome surveys and that  
15 like seven minutes is about what you can do. It's  
16 like, no, it's seven minutes. I was like, try it  
17 with patients. They're shocked.

18           Anyway, so, PaTH is joining together the  
19 University of Pittsburgh, the University of  
20 Pittsburgh Medical Center, Penn State Hershey and  
21 Penn State Hershey College of Medicine, the Temple  
22 University School of Medicine and the Johns Hopkins

1 University and their health system to form PaTH.  
2 We really care together in response to the PCORI  
3 CDRN applications but had been joining  
4 collaborations that were both regional, that were  
5 loosely affiliated on other projects, and that were  
6 personal, all the PIs of our networks are general  
7 interest, so we've known each other from many  
8 different spaces.

9           The University of Pittsburgh Comparative  
10 Effectiveness Research core serves as our data hub  
11 for PaTH and the PCORnet CDRN Coordinating Center  
12 serves as the data hub for the PCORnet CDRNs and  
13 PPRNs to unify data there.

14           In PCORnet, each of the 11 clinical data  
15 research networks were asked to identify two unique  
16 cohorts and one common cohort of patients to survey  
17 with one rare condition and one common condition.  
18 In PaTH we chose idiopathic pulmonary fibrosis as  
19 our rare condition. For those of you that don't  
20 know, IPF is an insidious disease that attacks the  
21 air sacks of the lungs and results in scar tissue  
22 formation, which leads to a fairly slow and

1 difficult death with breathing becoming more and  
2 more difficult. It affects about 130,000  
3 individuals in the United States.

4           Our common condition is atrial  
5 fibrillation, or a-fib. It's an anomalous sort of  
6 heartbeat in which -- heart rhythm in which  
7 patients develop fatigue and are at high risk for  
8 stroke and other embolic events due to the heart  
9 not beating right and the blood clotting within the  
10 heart and becoming more firm in that way.

11           And our third condition was obesity,  
12 because everyone's condition was obesity, but we  
13 have really focused on the long-term outcomes of  
14 bariatric surgery. While about 200,000 each year  
15 have bariatric surgery, that's only an estimated 1  
16 percent of the U.S. population that's eligible for  
17 bariatric surgery, which is kind of a shockingly  
18 awful number, but a treatment that is  
19 underutilized.

20           We've partnered with our patient  
21 stakeholders and I think that IPF really presents a  
22 great exemplar of the way that we've partnered with

1 those stakeholders. We've worked with support  
2 groups and other patient advocacy groups within our  
3 institutions and really tried to talk to them about  
4 what's important in patient-centered outcomes, and  
5 the funny story around all of that is that we took  
6 our IPF questionnaires to our patients and they  
7 said, these are great, but what people don't ask us  
8 about is intimacy. Nobody asks us about intimacy.  
9 People never consider how this disease affects our  
10 intimate relationships with our partners.

11           So, we found what we thought was what they  
12 were talking about and so we went to the promised  
13 measures and looked at their sexual functioning  
14 questionnaire, we brought that back, and they're  
15 like, whoa, that was more intimacy than we were  
16 talking about. We wanted a little less intimacy.  
17 We were like, okay, we can find a middle ground  
18 between no intimacy and a lot of intimacy.

19           So, when we began to develop PaTH, we,  
20 working with our clinician stakeholders and our  
21 patient stakeholders, we created these three  
22 avatars that we -- that have really guided our

1 implementation of this network and keep us focused  
2 on a day-to-day basis of what we're doing, and I'll  
3 just tell you a little bit about them. We named  
4 them. So, Fred is our 67-year-old gentleman who  
5 has progressive shortness of breath and was just  
6 diagnosed with IPF and he is really struggling with  
7 what the next phase in all of this is. Does he  
8 need lung transplantation? What's going to happen  
9 with oxygen therapy? And what does this prognosis  
10 mean for his family?

11 Manuel is a 50-year-old man who was  
12 recently diagnosed with a-fib and whose travel  
13 schedule makes it very difficult for him to get the  
14 blood work necessary to manage his anti-coagulation  
15 therapy to prevent him from getting a stroke, and  
16 the medication he's taking to control his heart  
17 rate makes him feel fatigued, and that's not really  
18 working for him.

19 And Myrtle is our 60-year-old woman with  
20 obesity and she's struggled with her weight her  
21 whole life. She exercises regularly and eats well  
22 but can't lose weight. I think we all know Myrtle.

1 At her last visit, her doctor told her she was  
2 developing diabetes and between that and trying to  
3 keep up with her young grandchildren with her knee  
4 osteoarthritis, she's considering the Al Roker  
5 surgery but has questions.

6 So, these are the people that we try and  
7 bring this back to. These are sort of our  
8 touchstones that we come to in PaTH.

9 We were asked to talk about sort of what  
10 our model was. We've really struggled and, I  
11 think, achieved a collaborative decision-making  
12 model. For those of you that have tried to  
13 institute collaborative decision-making in an  
14 unwieldy group of four high-powered institutions  
15 with four high-powered PIs, all of whom have very  
16 strong opinions, you may think that that might be  
17 as overly ambitious as PCORnet, but I think we've  
18 done it pretty well.

19 So, what that means, we communicate  
20 frequently, we have had, since May of 2013, weekly  
21 steering committee phone calls amongst the PIs and  
22 now the project managers. In addition to that, we

1 have about seven committees that meet on a weekly  
2 to bi-weekly basis and we trust each other that  
3 we're not all on all eight of those phone calls  
4 every week. We've really created a shared  
5 leadership. Each of those groups is chaired by a  
6 different investigator and managed by a different  
7 project manager.

8           We make decisions, we make them by  
9 consensus and when those consensus decisions are  
10 not able to be made, we're very explicit about why  
11 the consensus -- why we need to make a decision and  
12 we meet in person. We're going into our second in-  
13 person meeting, which may not be as frequent as  
14 they should be, but that's on Thursday. We're  
15 really excited.

16           And we've done this not because it's the  
17 most efficient way to run the 18-month PCORnet CDRN  
18 project. It's clearly not the most efficient way  
19 to run the PCORnet CDRN project, but we've done it  
20 that way because we think that PCORnet and what it  
21 represents and what you as the Board of Governors  
22 have asked it to represent was more than the 18

1 months or more than Phase II, but really trying to  
2 create a new way of doing things, and we felt very  
3 strongly that all of the institutions involved had  
4 to be as invested in it as any single institution  
5 or any primary institution and that everyone needed  
6 to be invested in this idea of a network.

7           And so it may not be the fastest way to do  
8 now, but we think it's the best way to do the  
9 future.

10           So, what have our successes been? Our  
11 first six months have really been met with many  
12 successes and many challenges. In terms of data  
13 harmonization, we have met the goals of bringing  
14 our own data together as well as bringing our data  
15 into PCORnet and we're really excited about that.  
16 We've gotten our four institutions to agree to a  
17 single IRB model, which sounds like -- it either  
18 sounds really easy or like total miraculousness. I  
19 think it's total miraculousness, but we've created  
20 this thing called the PaTH Network Protocol Review  
21 Committee, which has IRB representatives and  
22 patient representatives from each of our four



1 institutions that act as the review committee for  
2 our IRBs and then Hopkins as the IRB of record.

3           So, we've managed to continue our  
4 distributive model of decision-making while  
5 creating something that can hopefully function a  
6 little bit more efficiently than that.

7           We've generated a lot of excitement about  
8 using PaTH. I'd say that at least once a week if  
9 not more frequently, one of us has a query from an  
10 investigator at our institution or from another  
11 site about using PaTH and how can PaTH be used to  
12 further their research. And we usually say, it's  
13 not just PaTH, you can use PCORnet too. And we've  
14 collaborated with network partners.

15           We have been able to work with other  
16 CDRNs, to explore multi-CDRN studies, and we have a  
17 junior investigator in our institution who studies  
18 sickle cell disease and we've been able to hook him  
19 up with the sickle cell group in Louisiana and  
20 throughout PCORnet to actually move his research  
21 along faster than it ever would have been moved  
22 along were he a single junior investigator at the

1 University of Pittsburgh, which I think is super  
2 special.

3           We also have challenges. I put complete  
4 data up there as the first of our challenges  
5 because I think that, in some ways, for me, is a  
6 little bit of the elephant in the room. We're  
7 trying to define complete data and in doing so to  
8 say, you know, do we know everything about this  
9 person.

10           We're using insurance claims data to back  
11 in and that means that we are probably under  
12 representing the underrepresented minorities,  
13 working poor within our network in that way. We  
14 have challenges fully integrating patients into  
15 governance. We have way too many meetings every  
16 week and we're integrating people in as best and as  
17 quickly as we can, but not as quickly as I would  
18 have liked.

19           We've engaged people in decision-making  
20 but I don't know that we've fully achieved that  
21 integrated partnership that I think is necessary  
22 and so we continue to work through those in the

1 next 12 months of this award.

2           We're having trouble with sustainability  
3 in the cost structures of that. I'm not a cost  
4 accountant. We don't have cost accountants on our  
5 teams. And figuring out what it takes to make a  
6 widget or a data element or anything else is a lot,  
7 and we're doing it and we're going to make it  
8 through and we're engaging with the people at our  
9 institutions that do that, but it's definitely  
10 something that I was like, whoa, that wasn't what I  
11 was prepared for.

12           And then timeline, I think Joe said it  
13 best, one day of PCORnet time is like four days of  
14 reality, so, we just keep saying that, and I say  
15 "I'm sorry" a lot to a lot of people.

16           We found that new partnerships in our  
17 journey, our local network is new partnership, and  
18 it's a great partnership, our patient stakeholders  
19 are new partnerships, our clinical stakeholders,  
20 we've brought together experts in each of our  
21 disease states from each of our institutions, some  
22 of them had worked together before, others hadn't.

1 They are so excited about the collaborative  
2 research that they're moving forward. And then our  
3 national network, I think that we all would agree  
4 that we've met people that we never thought we  
5 would meet or work with and have formed great  
6 relationships in that way.

7           So, clearly, there are problems beyond  
8 medicine, but in medicine I think the problem that  
9 we talk about and the problem that PCORnet is set  
10 up to solve is this idea of delivering the right  
11 care for every patient. That's our goal, that  
12 every person come out of healthcare healthier than  
13 they were and not less healthy -- healthier than  
14 they were, as healthy as they can be, and not less  
15 healthy than they were before they went in.  
16 Sometimes we don't know what the data are,  
17 sometimes we don't know what the right answer is,  
18 and PCORnet's really strong in that.

19           PCORnet gives us the opportunity to use  
20 not only collected -- data that was collected for  
21 clinical care, but also data that we gather in  
22 pragmatic clinical trials to find those answers.

1           We then struggle with adoption, how do we  
2 get people to get the right thing done in under  
3 seven years or under 14 years, whatever the latest  
4 number is, and then how -- once they believe it,  
5 how do we make it easy to do the right thing  
6 instead of easier to do the wrong thing?

7           So, this is my obligatory talk New Yorker  
8 cartoon, which is, we're ready to begin the next  
9 phase of keeping things exactly the way they are,  
10 and that is not where PCORnet is. So, PCORnet  
11 means to me that we're changing the way that we  
12 generate data and implement findings to improve  
13 health and quality of life, and in this process, we  
14 really run the risk of being overly ambitious. We  
15 can try and do too much too fast, and incremental  
16 progress is important and should be valued, as long  
17 as the focus is on making sure that the culture has  
18 changed.

19           PCORnet's in its initial phase on focusing  
20 to ensure that the infrastructure is in place to  
21 generate data more efficiently than before and as  
22 we look forward past Phase I, we will be able to

1 focus on implementation strategies. And this is  
2 our first meeting in November of 2013, you'll  
3 notice that that's before the awards were made. We  
4 were an ambitious network and decided that we  
5 needed to keep working because we would never  
6 finish in 18 months if we didn't, so this is Penn  
7 State Hershey Medical Center and this is our first  
8 fall meeting when it was just a bunch of people  
9 traveling on their own dime to there and we had  
10 people from every institution, which was great, and  
11 this is our logo, this is PaTH Network for Patient  
12 Empowered Research.

13 Thank you very much.

14 CHAIRMAN NORQUIST: Thanks. We're going  
15 to have to move you guys along a little bit here  
16 because we're going to run out of time.

17 DR. HESS: Oh, sorry.

18 CHAIRMAN NORQUIST: It's okay. I know I  
19 -- can we break at this point, Rachel, because now  
20 we have the PPRNs, and maybe we want to have some  
21 questions specifically on the CDRNs first? So, we  
22 may break at this point just a second. We'll let

1 you guys prepare your talk while we're doing this.

2 So, let me go -- we're just going to go  
3 around. So, Steve, you're up first.

4 VICE CHAIRMAN LIPSTEIN: You said  
5 something that triggered --

6 CHAIRMAN NORQUIST: Steve Lipstein.

7 VICE CHAIRMAN LIPSTEIN: Steve Lipstein,  
8 member of the Board. You said something that kind  
9 of triggered almost an alarm with me and I wanted  
10 you to go back and explain it. You said that you  
11 were going to use claims data for something. Do  
12 you remember the remark you made about claims data?  
13 And one of the concerns at least the constituency  
14 that I represent on this Board has, is that claims  
15 data is just not sufficient to the task of outcomes  
16 research.

17 DR. HESS: Oh, I'm sorry -- yeah, yeah,  
18 yeah. I should have said that more completely. In  
19 order to make sure that we can understand complete  
20 data from our EHRs, we are backing that up with  
21 claims data.

22 VICE CHAIRMAN LIPSTEIN: What does that

1 mean?

2 DR. HESS: It means that -- so, for us  
3 what that means is that we've created a strategy  
4 for defining a complete patient and it's a multi-  
5 pronged approach. The first is, does this patient  
6 have data within the care network that we  
7 represent? So, I can go through the example  
8 probably most clearly for the University of  
9 Pittsburgh and UPMC that UPMC and UPMC Health Plan  
10 covers somewhere between 300,000 and 400,000 people  
11 that they see together, meaning that they both are  
12 insured by the health plan and they are seen by the  
13 medical center.

14 For the majority of those people, over 50  
15 percent of the care that they received is received  
16 at UPMC Medical Center, but they may travel and see  
17 something that may relate to one of the diseases or  
18 conditions that we're studying that happens outside  
19 of the medical center and given the lack of  
20 national patient identifying data within the  
21 country that we live, we don't necessarily have the  
22 cleanest way to find out about that data beyond



1 patient surveys, so then we're using claims data to  
2 back up what happens outside of our institutions.

3 VICE CHAIRMAN LIPSTEIN: Right. So, what  
4 you're saying is using claims data to be additive  
5 to?

6 DR. HESS: Yes. Yes.

7 VICE CHAIRMAN LIPSTEIN: Good. That helps  
8 me.

9 DR. HESS: Okay, sorry.

10 CHAIRMAN NORQUIST: Next is Bob? Okay.

11 MS. SIGAL: Ellen Sigal. Board. I have a  
12 question, Tom, for you. Great presentation.  
13 Really interesting. So, you have a lot of money  
14 from NIH. Do you have any state money at all for  
15 what you're doing? Is there the state --

16 MR. CARTON: No. I'm glad you asked that  
17 though. One of the things that we're getting ready  
18 to do is to be able to have discussions with our  
19 state economic development office and start to  
20 explain not just the power of this PCORnet, but  
21 also it's one of the reasons why we want to  
22 integrate with NCORP, LA CaTS, other research

1 projects that are going on across the state. It's  
2 in our planning. We've laid the groundwork for  
3 those conversations.

4 MS. SIGAL: I'm meeting with your governor  
5 next week, maybe we can talk about it.

6 MR. CARTON: That would be great. Thank  
7 you.

8 CHAIRMAN NORQUIST: Okay, Bob?

9 DR. ZWOLAK: Bob Zwolak, governor. Mr.  
10 Carton, you made a relatively strong point about  
11 assigning an individual patient identifier and  
12 justification patients moving between hospital  
13 systems, hospital systems changing, are the other  
14 CDRNs doing that? And are all the CDRNs together  
15 trying to collaborate so that you would have a  
16 universal patient identifier across all CDRNs?

17 MR. CARTON: Other CDRNs are working on it  
18 as the slide that I put up in terms of the  
19 collaboration. It's really CAPriCORN, Chicago  
20 CDRN, that is leading this charge. They're the  
21 ones that created the hash algorithm, it's an open-  
22 source software that they're going to make

1 available to us and to other CDRNs.

2           We, as a small working group, have talked  
3 about bringing that idea to PCORnet across the  
4 board and just haven't as of yet. Like I said, I  
5 don't want to speak too much about it, it's really  
6 the Chicago piece and we're collaborating with  
7 them, but I think that there is an opportunity  
8 there.

9           I can also say that our systems were very  
10 skeptical in participating in the de-duplication  
11 process if PHI was involved, so the solution is  
12 very powerful in that it doesn't involve PHI being  
13 stored in one particular place.

14           It is our plan for working with claims  
15 data as well when we can talk to holders of claims  
16 data to explain that the data can be shared with  
17 the network without sharing any PHI.

18           So, it's -- the question is kind of beyond  
19 me, but I think that it's worthwhile to pursue.

20           CHAIRMAN NORQUIST: Sharon. Before we  
21 start putting up a lot of tent cards, I want to  
22 give the PPRNs a chance to also have their say

1 here, so go ahead.

2 DR. LEVINE: This will be brief. Rachel,  
3 just a quick question for you. Looking at your  
4 partners, they're all academic institutions, and I  
5 guess for me the big question is, why Geisinger was  
6 not part of your network given the --

7 DR. HESS: Do you want the real answer?

8 DR. LEVINE: Yes.

9 DR. HESS: We actually asked Geisinger and  
10 the University of Pennsylvania to join the network  
11 and they said that they were doing their own  
12 network and we could join their network, and I  
13 said, but we're pretty far along on our network,  
14 and they said, no thank you.

15 DR. LEVINE: Thank you.

16 DR. HESS: Can I back up that with just  
17 saying that actually all of our health systems also  
18 have, in the 2000s and before that, actively  
19 engaged in the mad dash to buy every community  
20 practice in their purview, and so we have a lot  
21 more community practices than one would think  
22 looking at the health system.

1 CHAIRMAN NORQUIST: Thanks. Rick?

2 DR. KUNTZ: Rick Kuntz, Board member.  
3 First of all, thanks for your presentations and  
4 coming out here and want to congratulate your  
5 pioneering this area.

6 I'm still a little confused about your  
7 data structure. You know, networks that generally  
8 have parallel research systems put a lot of  
9 attention on things like completeness of  
10 ascertainment, standardization of outcomes and so  
11 on, but it seems -- are you leveraging EHRs and  
12 claims data together as -- I mean, how are you  
13 identifying the quality of the data to be reliable  
14 enough to actually publish at this transition area?  
15 Because, as you know, the Holy Grail is trying to  
16 understand how to take practice data and repurpose  
17 it for research, and is that a goal of yours or do  
18 you have that solved already?

19 DR. HESS: It is a goal. We don't have it  
20 solved. I think that hits to my point that PCORnet  
21 and its mission is extremely ambitious and I don't  
22 know that we will have completely solved that

1 problem by the end of 18 months, but what I hope  
2 and what I believe very strongly is that we're  
3 progressing on that continuum to solving that  
4 problem and are committed -- I mean, the  
5 informatics brains in this group -- I am not an  
6 informatician, and I don't pretend to be one --  
7 they're crazy smart. Like, we have the best people  
8 in the entire country, maybe the world, as far as I  
9 can tell, working on this and desperately trying to  
10 move it forward, and I have no hesitation that  
11 we'll get there. We may not be there by September  
12 2015, but we'll be closer.

13 MS. FLEURENCE: I can add to that. Our  
14 coordinating center is working on that and they do  
15 have protocols ready to start doing what they call  
16 basic characterization, so they'll be looking very  
17 closely at that as well in addition to what the  
18 networks are doing.

19 CHAIRMAN NORQUIST: Thanks. Larry, you've  
20 got the last --

21 MR. BECKER: So, State of Pennsylvania,  
22 the State of Louisiana, maybe a little more than

1 Pennsylvania, and you refer to it in PHI, you refer  
2 to it in the Geisinger question, but you got  
3 systems that I think probably are competitive to  
4 work together. So, could you comment on what keys  
5 you used to get the competitors to work together  
6 where you were able to do that?

7 MR. CARTON: Well, I think the power of  
8 PCORI and PCORnet did a lot of the heavy lifting  
9 for us. People are -- the networks and the  
10 systems, even before we were awarded, came to  
11 Louisiana Public Health Institute and really  
12 expressed interest in participating in this network  
13 for the vision and the downstream health systems  
14 change that's in their personal interest of  
15 delivering care and being research institutions.

16 As a public health institute, we're  
17 uniquely positioned in that we're not one of those  
18 competitors, and so we're drawing people to the  
19 table, but really that sell of participation and  
20 joining was one of the easiest. The more difficult  
21 ones are global patient -- the details once they've  
22 agreed, once the agreement is there, okay? How

1 deduplicate patients, how to create an EMR agnostic  
2 engagement system and suite, so Rachel might have a  
3 different play on it. I mean, we're a bit unique  
4 in that we're a public health institute that's kind  
5 of outside of that competition ourselves.

6 CHAIRMAN NORQUIST: Harlan, if you promise  
7 to make your --

8 DR. KRUMHOLZ: Yeah, and I just wanted to  
9 -- Harlan Krumholz from the Board, and really  
10 impressive the speed with which you're learning and  
11 the ground you're covering and the tools that  
12 you're developing.

13 I wonder if you would be willing to work  
14 with us to develop an ongoing blog that's almost on  
15 a weekly basis of what you guys are dealing with  
16 and what kind of solutions you're coming up with so  
17 that people around the country can track with you  
18 to potentially crowd-source some of the solutions,  
19 share some of the tools with the smartest people on  
20 earth, there are other smartest people on earth,  
21 you know, create different streams for the  
22 informaticists, for the clinicians, for the



1 patients, so that this can be -- we would have to  
2 invest in it so it didn't burden you with this, but  
3 almost taking what's going on in real time and  
4 creating an ongoing blog about it that could then  
5 be leveraged with national learning.

6           Because it just seems to me like there's  
7 so much here, and in some ways it's been  
8 sequestered, and you guys are so damn busy you  
9 don't have time just to do this documentation, so  
10 if we could provide -- would you be averse to that  
11 or would that be something you think would be a  
12 good idea?

13           DR. HESS: [Off microphone.]

14           CHAIRMAN NORQUIST: She got a little pale  
15 there, I thought --

16           DR. HESS: So, I would say two things,  
17 one, yeah, that sounds really great. The second --  
18 the second is that I almost wonder, as we're -- so,  
19 one of the things that we are doing contractually  
20 is that, I think, it's like 100, we have like 100-  
21 something deliverable documents that we're  
22 submitting; I'm behind on those, I apologize, but

1 I'm almost wondering if some of those documents  
2 could be -- like, that stuff could be extracted  
3 from those and shared and that might be a way to  
4 kind of convey that in real time?

5 CHAIRMAN NORQUIST: Let me -- we're going  
6 to need to move on, but I think one of the things  
7 we could do on that -- it's an excellent  
8 recommendation, we can certainly have our  
9 communications director, Bill, work with you guys  
10 and think up a way on that, certainly through the  
11 RTC, you guys --

12 MR. SILBERG: Yes. I just want to say  
13 that the RTC is considering communications [off  
14 microphone].

15 CHAIRMAN NORQUIST: We'll pull it back in  
16 with our special Board committee that will focus on  
17 that and then we'll have our communications  
18 director work with them. Okay, we'll let the PPRNs  
19 have their day also.

20 MS. PEAY: Great. Well, I'm Holly Peay.  
21 I'm very excited to tell you about the PPRN that  
22 we're running, which is called DuchenneConnect.

1 DuchenneConnect is a patient and family self-report  
2 registry for Duchenne and Becker muscular  
3 dystrophy. DuchenneConnect has been around since  
4 2007. It is a project of Parent Project Muscular  
5 Dystrophy, which is the foundation that is run by  
6 parents and families of individuals with Duchenne  
7 and Becker muscular dystrophy.

8           We have, at this point, about 3,000  
9 registrants in DuchenneConnect, so we had existing  
10 data as we came in to PCORnet and we have a very  
11 extensive survey that we ask people to fill out.

12           Let me give you a little background about  
13 Duchenne and Becker and then I'll tell you about  
14 some of the data we collect.

15           So, Duchenne muscular dystrophy is the  
16 most common, fatal, neuromuscular disease of  
17 childhood. It is still a rare disease but it has  
18 about 13 to 15 thousand individuals in the United  
19 States who are affected. We actually don't know  
20 exactly what the prevalence is, but hopefully we  
21 will soon.

22           The way that we use DuchenneConnect is to

1 help speed research. So, the intent about this  
2 being developed through the community, through a  
3 parent foundation, was that research was taking too  
4 long and that was both academic-based research and  
5 research that was done through industry sponsors,  
6 and so DuchenneConnect is intended to speed up the  
7 proctor research process, the recruitment process,  
8 and really make research happen much more quickly.

9           So, we had some of the same goals of  
10 PCORnet going in, which was very nice for us, so  
11 I'm going to talk to you about the PCORnet kinds of  
12 initiatives we're doing through DuchenneConnect,  
13 but we have a broader set of initiatives as well  
14 that is going out to the community.

15           So, the DuchenneConnect history I told you  
16 a little bit about. I will tell you a little bit  
17 more about how we actually use the data. So, we do  
18 have a history, again, of having full commitment,  
19 an enormous amount of clinical data, and what we've  
20 done to date is had that data curated. So, we  
21 actually have patient-reported data that we then  
22 ask people to submit different kinds of lab reports

1 and then those are curated by a professional so  
2 that people who are using our data, it's one of the  
3 common questions is how do we know that people put  
4 in the right data. I'm glad to say, actually,  
5 peoples' self-submission is very good; it's very  
6 consistent with what we get from their clinical  
7 reports.

8           And one of the very nice things about our  
9 platform is we collaborated from the inception of  
10 the registry with a group called Patient  
11 Crossroads, and I'll tell you a little bit more  
12 about them, but they do our platform and they've  
13 been able to use the platform we created actually  
14 to support more than 200 other, mostly rare disease  
15 registries.

16           So, PCORnet dollars are similarly being  
17 amplified because of what Patient Crossroads does  
18 with us through the project they can similarly  
19 extend to these hundreds of other patient groups  
20 under their network, so you get a nice spread of  
21 your dollars that way.

22           So, our team includes Patient Crossroads,

1 like I said. UCLA is one of our collaborators,  
2 Geisinger Health Systems is one of our  
3 collaborators, and we have a leadership committee,  
4 and I'll talk to you more about them in a moment.

5           So, UCLA is predominantly working with us  
6 on changing our surveys. We want to make our  
7 survey more responsive to doing comparative  
8 effectiveness research, and they're also working  
9 with us on trying to identify more representative  
10 sample of the population. Our existing registry is  
11 very diverse in terms of clinical orientation.  
12 We're very consistent with natural history sorts of  
13 data, but we don't have good demographic  
14 representation, and we're trying to work with UCLA  
15 to do that.

16           Geisinger we're working with predominantly  
17 to try to integrate EHR data into our registry, so  
18 there's a lot of burden on our participants, we ask  
19 a lot of them, and we'd like to be able to minimize  
20 their burden and get very high quality data by  
21 pulling data directly from the electronic health  
22 system into our registry. And you all know about

1 Geisinger, so they're a good partner with us to  
2 work on this and they're very committed to this,  
3 it's quite nice.

4           So, how do we work together? So, you  
5 know, we have, again, these academic groups working  
6 together with a patient powered network, working  
7 together with a patient leadership committee, so we  
8 really do every decision together, and here's one  
9 example. So, we were looking at integrating some  
10 new patient reported outcome measures into our  
11 registry and this is something you all may be  
12 familiar with, this is the Neuro-QOL, and this is  
13 looking at lower extremity functions, so this is  
14 one of the Promise offshoots.

15           And so the researchers were very  
16 interested, said, this is perfect, this is  
17 validated, this is great. We asked the parents and  
18 the patients, our leadership committee, and they  
19 said, hmm, we're not going to answer this the way  
20 you want us to. So, it doesn't say can you do it  
21 by yourself, it doesn't give any parameters on how  
22 this is done. So, for example, can you get up and

1 down a curb?

2           So we have many adults who are in wheel  
3 chairs and they say, yeah, I carry a ramp with me  
4 and I get it out of the back and it takes 20  
5 minutes, but I can do it. I do it with maybe a  
6 little difficulty. Okay?

7           So, that kind of engagement has really led  
8 us to change the way we're approaching the  
9 questions we're putting in our registry and that's  
10 one example of the way that our team works  
11 together.

12           So, we've been very -- we call it a family  
13 center instead of a patient center because this is  
14 primarily a pediatric disease or onset in pediatric  
15 years. A lot of our advisors are patients and a  
16 lot of our advisors are parents. So, we talk about  
17 family-center governance.

18           We have historical engagement. When the  
19 registry was created, we had an advisory board and  
20 they still are with us today, and that included the  
21 whole community, so researchers, all of our users  
22 as well as families. We also then have our PCORnet



1 leadership committee and they do lots of work for  
2 us. Really, they're involved in every component of  
3 this project. And one other example of how we use  
4 them is we've engaged them about identifying  
5 research priorities.

6           It's a real challenge to talk to parents  
7 and individuals managing Duchenne, which is a very  
8 burdensome illness, and to say to them, what are  
9 your research priorities, and they look at you  
10 like, seriously. So, we've worked really carefully  
11 with our leadership committee to come up with a  
12 five-step process to engage them, to develop a  
13 research imagination in these families, and to do  
14 it in a way that doesn't feel like another thing  
15 they have to manage.

16           So, we're engaging them around what are  
17 the important things for you and for your family.  
18 We have to look at different stages because the  
19 stages of illness have very different needs. And  
20 they've walked us really nicely through how we do  
21 that engagement. It's been really helpful.

22           We also have PCORnet partnerships, and I'm

1 going to mention, really, just one of them now.  
2 Several of us use what's called UC-REX, this is a  
3 sidecar, a data sidecar from the California system,  
4 and there's a very nice, big set of data sitting  
5 there.

6           So, when we made this collaboration with  
7 UCLA, we said, you know, it would be really nice if  
8 we could talk to those people in that system and  
9 let them know about DuchenneConnect and invite them  
10 in. They have a very nice diversity of patients  
11 there.

12           And so it turned out, low and behold, lots  
13 of us are using UC-REX so we all got together and  
14 you can see the lift here, and we started talking  
15 about doing this together. So, we're doing a joint  
16 IRB proposal with all of our projects together, and  
17 we're also working together on the possibility of  
18 actually pulling data from that UC-REX system into  
19 our respective registries.

20           So, I'll just sort of wrap up by talking  
21 about some of our challenges and successes in the  
22 first six months. So, one of the challenges has

1 been around community engagement. So, I already  
2 talked to you a little about our community.

3           They are managing really serious illness  
4 with a fatal endpoint and so when you talk to them  
5 about a very technical infrastructure project, what  
6 they say is, how does this help me now? So, we  
7 say, really, it's not helping you now except for  
8 some of the additional add-ons that we are able to  
9 do to our registry, but the long -- in their world,  
10 for us it feels very fast, for our families it  
11 feels very long. So, it's a little bit of a  
12 challenge to engage them around this.

13           So, we have had a very successful  
14 leadership committee that's really helping us with  
15 that. From the inception of our registry, we've  
16 been very committed to giving back, so we don't ask  
17 for any data without giving something back to  
18 people. We have been able to really push on that.  
19 Historically, the way we've mostly given back is by  
20 providing answers. So, you say this about your  
21 kid, here's what everyone else said. But now we're  
22 able to get some much more rich data back to people

1 and education materials back.

2           Rare disease has its own set of  
3 challenges. Some of our priorities kind of get  
4 lost in common disease. Diversity is challenging,  
5 and also small numbers, if you have a small  
6 population, you really need them to get engaged and  
7 to stay engaged and it's a challenge, but we do  
8 also have highly altruistic parents and patients  
9 who tend to have fewer privacy concerns, and I say  
10 this with some data behind it.

11           So, the final challenge is that there are  
12 so many possibilities and there's so little time.  
13 It is so exciting to be part of this network, but  
14 it is a stretch and especially for a small  
15 foundation, this has really been overwhelming to  
16 our staff, but overwhelming in a very positive way  
17 because there are so many things we can do.

18           And I'll end with our vision. So, we  
19 really hope in the next 12 months to continue to  
20 act as good citizens as PCORnet. It's easy to get  
21 mired down in your own network, but we are hoping  
22 to continue to rise above it and think about

1 PCORnet as a whole network; increasing awareness of  
2 Duchenne and Becker muscular dystrophy, increasing  
3 the community empowerment; and really, our main  
4 target here is using the power of this to answer  
5 questions that are important to our families. So,  
6 we want to get the most out of Phase I and make  
7 sure we're involved in Phase II so that these very  
8 basic questions and the more complex care questions  
9 are things that we can actually answer through the  
10 network.

11 Thank you.

12 [Off microphone discussion.]

13 CHAIRMAN NORQUIST: That's all right. We  
14 can go into the next --

15 MS. TERRY: Okay. My name is Sharon Terry  
16 and I'm the president and CEO of Genetic Alliance.

17 So, background on Community Engaged  
18 Network for All, Genetic Alliance is an advocacy  
19 umbrella, we're the lead organization for this  
20 project. There are nine disease advocacy  
21 organizations, which we chose from dozens of  
22 applicants, during the process of bringing the

1 application together and you can see them listed  
2 there, so I'm not going to read them all, they're  
3 both common, chronic conditions as well as rare  
4 diseases; two universities, University of  
5 California, San Francisco and Davis; and one  
6 technology partner, Private Access.

7           Our governance is Disease Advocacy  
8 Organization Leadership and Patient Council, so  
9 this is completely lay run. It is all patients,  
10 all participants, all the time. Our planning has  
11 included building standards and common data  
12 elements and instruments obviously using ones like  
13 Promise and Phoenix, et cetera, that are already  
14 available, but also looking at how to build those  
15 as we move forward, community consultations times  
16 nine, because in everything we do, every community  
17 is involved, and then best practices for guides and  
18 navigators, which I'll talk about in a second, and  
19 outreach in general.

20           For implementation and testing, the  
21 executive committee, which is comprised of the  
22 genetic alliance, private access, and the two UCs

1 really manage those pieces. We have nine launches,  
2 two of them occurred today, so hopefully you'll see  
3 that press release for Gaucher and for Joubert, and  
4 then outreach, dozens of communities and partners  
5 all working in concert with one another.

6           We've been working on computable  
7 phenotypes, which is a nickname that some of us  
8 don't particularly care for, looking how can we use  
9 things like electronic capture systems to look for  
10 these phenotypes that are actually quite  
11 complicated and don't have, for example, ICD9 or  
12 SNOMED codes. We are working on crowd source  
13 proposals with something called Open Proposal, that  
14 the University of California, San Francisco has  
15 piloted in the university. Essentially each of the  
16 disease groups will put up a proposal, the  
17 community and more, because it's open, totally  
18 open, can then refine that proposal in the public  
19 eye, so it's a crowd source kind of platform.

20           And then analysis, we hope to engage in  
21 before the end of the 12 months, again, using  
22 things like Promise 29 and quality of life

1 measures, sometimes just across our nine and  
2 sometimes across PCORnet in the places that we're  
3 all using those.

4           So, the platform we're using is called the  
5 Platform for Engaging Everyone Responsibly. I'm  
6 showing you here the Joubert site that launched  
7 today, in fact, multiple guides from the community  
8 engage the community. We believe that the one  
9 common element in all these problems about trying  
10 to figure out what is complete data and where is  
11 someone's data and how do you figure out how to  
12 reduce duplication is the individual. That is the  
13 one row across all the columns, and if that  
14 individual is in charge of saying where their data  
15 should go, then that individual can really help us  
16 solve those problems.

17           These guides, then, help individuals make  
18 decisions about where their data will go, and those  
19 individuals are looking at things like in multiple  
20 categories, advocacy organizations, researchers,  
21 data analysis platforms, am I going to say "allow",  
22 am I going to say "ask me", which is a kind of



1 maybe that reduces to the binary-ness of the  
2 system, or am I going to say "deny"? I'm going to  
3 say that about three different sets of data:  
4 discover me, which is anonymous data, export and  
5 use my data, which is actual transaction with the  
6 data itself, and contact me so that I can  
7 participate in other trials, et cetera.

8           We found, so far, about 85 percent of  
9 individuals say "allow, allow, allow", 10 percent  
10 say "ask me", and 5 percent say "deny".

11           Participants can set these themselves  
12 using the guides as their models and about 85  
13 percent use the guide.

14           The participants get back immediate  
15 feedback. So, unlike the survey fatigue we see in  
16 other instances, we're finding individuals are  
17 asking -- answering a total of 200 questions in a  
18 sitting. They can log back in and answer more  
19 questions. The system has about 26,000 questions  
20 in this "gameified" manner so far, and each of  
21 these disease communities are adding more, again,  
22 trying to constrain them as much as they can to

1 common data elements and already validated  
2 instruments.

3           Our successes are that all these  
4 organizations, which some people will tell you,  
5 well, you know, the nonprofit community is fabulous  
6 because we always collaborate and cooperate, I  
7 would rather work with pharmaceutical companies and  
8 the government than nonprofits sometimes because we  
9 can be as cutthroat as the next.

10           So, for these nine organizations to come  
11 together and work together this well and meet all  
12 of our milestones, I think, has been quite  
13 incredible. That we've been able to come together  
14 cross-condition and have consensus about what tools  
15 we will use together has been great.

16           Robust connections to the clinical  
17 community, which I'm not sure if PCORnet has across  
18 PCORnet, but because each of these organizations  
19 has between 10 and 100 clinical advisors, there's  
20 lots of clinical, community involvement, innovative  
21 engagement with the two UCs, who are very excited  
22 to be doing this with us, and then increased

1 literacy overall in the advocacy community around  
2 what is a common data element, what's a valid  
3 instrument.

4           And then I think our challenges are scope  
5 creep, I like to say to the group that we  
6 assembled, we said we would use a bicycle for our  
7 registry system and we've instead delivered a  
8 Tesla, and it's pretty amazing, but it's just every  
9 new thing is important and we discover things that  
10 we should add and we do; diversity, I think  
11 diversity is a crisis for PCORnet and for the  
12 nation. I don't think we're taking it as seriously  
13 as we need to and I know we care deeply about it,  
14 but I'm not sure that we have met that need the way  
15 we should; and then time, everybody's mentioned  
16 time a lot, I think I'm somewhere around 80 percent  
17 time for PCORnet and nowhere near paid that, but  
18 it's really been worth the investment overall.

19           We were asked to comment on patient  
20 engagement -- I like the word participant better  
21 than patient because we, like Holly, don't have  
22 patients, we have people who are affected by

1 diseases and don't consider themselves patients  
2 every minute of the day, and I'm just going to  
3 leave this phrase for that, nothing about us,  
4 without us. They basically are involved in  
5 absolutely everything, so I don't have to say  
6 what's the challenge of having them be engaged.

7           Our new partnerships, Holly's mentioned  
8 one, with pSCANNER, informally with lots of others.  
9 Outside PCORnet, lots of partnerships interested in  
10 the process, the policies, and interested in our  
11 particular platform. And finally, my vision, the  
12 vision for PCORnet, I think the first is that  
13 research is radically altered when we get to the  
14 end game, whether that's in 12 more months or five  
15 years, that people discover two secrets, my  
16 physician doesn't know everything, and I am  
17 essential to improving health in general, mine and  
18 others, that the public is part of innovations in  
19 health, that a learning healthcare system is  
20 powered by people -- I don't think we've gone far  
21 enough to actually use the tools that engage people  
22 in America and beyond -- and that health is

1 accessible to all. Thank you.

2 CHAIRMAN NORQUIST: Is that it? Thank  
3 you. So, we will now take questions, comments.  
4 So, Allen, since I cut you off the last time, now  
5 you can be first.

6 DR. DOUMA: I really want to thank all  
7 four of you for being here. It's amazing the  
8 amount of work you've done in such a short period  
9 of time and everyone ought to be proud, including  
10 PCORI staff, who have been the coordinators of you  
11 guys.

12 My concern is long-term, so I really want  
13 to focus a little bit on sustainability, but first  
14 let me remind myself, your comment about they're  
15 people, not patients, is my mantra, and I'm glad  
16 you said it, I think we need to think it, and  
17 sometimes I'm sorry the name of our organization is  
18 what it is. But that's another story.

19 With regard to sustainability, could you  
20 talk about the two steps, one is how do you get  
21 from where you are now to a few years from now so  
22 the infrastructure is fully solid, workable,

1 complete, et cetera, then the next step of doing  
2 your search. Can you talk about your thinking in  
3 terms of marketing yourselves to external  
4 organizations, whether they're governmental, non-  
5 governmental, or private sector, in order to sell  
6 the service that you're creating?

7 MS. TERRY: So, how do we get to the next  
8 step? So, for us it's been things like we have  
9 begun to talk to other foundations. Robert Wood  
10 Johnson, for example, has invited us to apply for a  
11 grant to white label this so that lots and lots of  
12 groups can use it. We've also looked at what can  
13 we do to have this be a sustainable endeavor, both  
14 from the disease advocacy organization's point of  
15 view, so perhaps they pay a very small fee.  
16 Perhaps we have an app store model, so that people  
17 are paying \$1.99 for the service on the researcher  
18 end.

19 So, right now we're toying with a lot of  
20 business models.

21 On the how do we sell it to be essentially  
22 research ready? We're really hoping to test that

1 in the spring, and it is because each of these  
2 disease groups have ready communities that want  
3 access to data, want access to cohorts, we're  
4 looking at what can we say in terms of research  
5 readiness, what can we say in terms of PCOR that  
6 can already be done with the data that's coming in  
7 as well as bringing these people into the other  
8 projects in PCORnet, and we believe that if we set  
9 this ecosystem up right and we have catalogued this  
10 in such a way that it's accessible to the  
11 community, it will be available.

12           There's a couple ways to do that, one is  
13 we are attached as a common data model, and we'll  
14 be giving our data to that model in as much as  
15 individuals have said yes to that. The other is  
16 we've built a back end that's not quite finished  
17 called Recruit Source, that looks like the Google  
18 for health information, and researchers can Google  
19 it and find where is a cohort and how can I  
20 characterize that cohort to be ready to do a  
21 project.

22           CHAIRMAN NORQUIST: Anyone else? Harlan

1 Krumholz -- oh, did you want --

2 UNIDENTIFIED BOARD MEMBER: Yeah, I'd love  
3 to hear [off microphone] --

4 MS. PEAY: To tell you quickly how we've  
5 managed to sustain for seven years, so first of  
6 all, our organization has a very strong commitment  
7 because we are speeding research up and we do have  
8 data showing that we're doing that, and so the  
9 Parent Project Muscular Dystrophy is willing to  
10 continue to support the registry.

11 Second, industry is very willing to pay --  
12 I mean, I think similar to Sharon, I know that  
13 making people pay for data is sort of a taboo in  
14 the advocacy world, but we do it all the time and  
15 industry is very willing to pay for good quality  
16 data and we have it. And so, we are sustainable  
17 because industry is going to pay for this and has  
18 paid for it.

19 CHAIRMAN NORQUIST: Actually, it's a very  
20 critical question, the whole sustainability across  
21 the board. So, thank you very much for that.  
22 Harlan?



1 DR. KRUMHOLZ: So, thank you all. I want  
2 to particularly -- just because we are now focusing  
3 on the PPRNs, thank Sharon and Holly. It's  
4 breathtaking, really, to think about the  
5 engagement.

6 I just wanted to say that at least when I  
7 first thought about this, I didn't think of it as  
8 being -- you being as comprehensively involved. I  
9 thought more of you funneling ideas and hiring  
10 people to pursue your ideas. You would be in  
11 charge, like you're at the top, you know, you're  
12 basically saying, we've got questions people aren't  
13 answering. We can bring people -- we need people  
14 to work for us to answer them, we need to control  
15 the data, and we need to make sure that it's honed  
16 in the right direction. And to me that seemed like  
17 enough, right, and you guys are actually taking on  
18 even more than that.

19 I mean, when you're selecting -- I thought  
20 it would be that these people would be working for  
21 you and you could look to PCORnet and say, hey,  
22 we've actually got -- people are funding us and

1 we've got some money, we're just looking for  
2 investigators to come on as partners, right, but  
3 we'll treat you nicely like you treated us before,  
4 but you know, we're all part of the same family now  
5 and there's a balance of power that didn't exist  
6 before.

7           I just wonder if you could reflect on --  
8 have you taken this in a different direction --  
9 which is fine, I'm just trying to understand it --  
10 or do you see yourself -- I mean, I know the  
11 citizen science is something I know Sharon's talked  
12 a lot about, to me it was this combination more  
13 about giving you the power than it was about that  
14 you would have to do it all yourself and that you  
15 actually would be able to -- you know, the make/buy  
16 thing, you would be buying a lot. But what you're  
17 funneling is what uniquely you own, which is that  
18 is the ideas about what's important to people. And  
19 then also you could bring about the communities who  
20 are eager and ready to go.

21           If you did that to me, in my field, I  
22 mean, I would bow down before you because you're

1 making it easy for me. You're bringing the great  
2 questions, I can maybe contribute to them, and  
3 you're bringing me patients who are eager to be  
4 part of that.

5 Can you reflect back to us about how you  
6 are thinking about what the PPRNs are exactly?

7 DR. HESS: This is a very tough question.  
8 So, I think that the PPRNs -- the role of the  
9 PPRNs, as you've discussed, has, I think, merged  
10 over time, the thinking of how the PPRNs are  
11 involved in this network, and I really feel like  
12 that there are two ways -- one is the more typical  
13 idea of identifying major research questions, so I  
14 know what's important to my families because I ask  
15 and because they tell me where they might not tell  
16 their clinicians or -- you know, so we have a  
17 different relationship with them and we can collect  
18 different kinds of data. So, that's sort of the  
19 old school way of thinking about it.

20 We have a very engaged, committed cohort  
21 of people who want to be involved in their own  
22 research. So, we have a bunch of carrier moms who

1 have banded together and they're saying to us, you  
2 are going to address our needs and here's what we  
3 need and here's what we need you to do and how.

4           So, we say, okay, so we just started a  
5 whole new carrier project because they have very  
6 specific health questions and there was no data.  
7 Let's do it ourselves. So, I think there is a  
8 different feeling of empowerment and we can do this  
9 kind of research ourselves and we don't need a CDRN  
10 partner for everything.

11           Now, to get everything we need out of this  
12 network, we definitely do need the CDRN partners  
13 because that's where the real strength comes, but I  
14 think there is a growing feeling that we can do  
15 this. A lot of the questions are important to my  
16 community right now, they can identify themselves  
17 and we can answer.

18           MS. TERRY: I think the other thing for me  
19 that's so striking, Harlan, is that this -- that  
20 when PCORI was created, and thank you for the -- I  
21 mean, PCORnet was created, thank you for the idea,  
22 that the PPRNs were recognized at all remarkable.

1 It was -- you know, some of us had been doing this  
2 20 years.

3           My kids were diagnosed in 1994 is when I  
4 left campus ministry to do this and suddenly  
5 somebody said, oh, you guys exist and now we're  
6 going to bless you and actually give you some  
7 money, which is like remarkable, I think one, there  
8 wasn't enough money for us to buy what we needed to  
9 buy. I just spent the weekend polishing CDs, you  
10 know, common data elements so they're nice and  
11 shiny so the launch could happen this morning.  
12 That's going to have to be part of it. We're going  
13 to have to roll up our sleeves and be digging in  
14 the dirt.

15           The second thing is, I love that we  
16 recognize PPRN. I don't think we've gone to the  
17 next step though and I think the next step is to  
18 say, and what are we not using that already exists  
19 in our culture that we all know is real easy in  
20 other cultures?

21           So, this morning on NPR I'm driving in and  
22 they say, electric cars are cool, how are you going

1 to make them cool enough for kids to buy? Well,  
2 you have a road race. It's happening in Beijing  
3 first and then it's coming to Miami and they didn't  
4 say, like, let's put out brochures and then let's  
5 educate and, you know, nobody's listening to that  
6 stuff.

7           So, I think until we, PCORI and PCORnet  
8 figure out, let's go a step further, it's still too  
9 medical model. I mean, Holly and I are really  
10 trying to stay out of the medical model, and we  
11 love our brother and sister CDRNs and we're working  
12 with them, but we and they know we need to go  
13 farther and I think that can be a really exciting  
14 next step.

15           CHAIRMAN NORQUIST: We need to -- okay, go  
16 ahead. Oh, it's not small, because the next part  
17 of this is something they're going to want to hear,  
18 which is the Phase II part of what we're proposing,  
19 so I want to be able to let -- Rachael, can you get  
20 to this, and then maybe we'll get to your question.

21           MS. FLEURENCE: Just a couple of important  
22 points so, I'm going to speed through the intro.

1           So, and you all have the slides and the  
2 slides are going to be available publicly as well,  
3 so just to start off by saying we are 12 months  
4 away from Phase II. On this slide you have the  
5 timeline of sort of the major achievements that  
6 we've had to date and we plan to make an  
7 announcement for Phase II in December and the Board  
8 will have to approve the RFP, but this is sort of  
9 the initial information that we want to propose to  
10 you for discussion around Phase II and it's been  
11 reviewed several times by the RTC and approved.

12           So, I'm going to skip over 18-month aim  
13 and four-year aim. They're in your slides and  
14 you're familiar with these at this point. And so  
15 what we want to get to is back to Gray's question  
16 and Allen's question about sustainability, what  
17 we're proposing for Phase II.

18           So, essentially we see a number of ways  
19 PCORnet can be sustained. The one I'm going to  
20 focus on today is an infrastructure investment from  
21 PCORI, it will be a tapering infrastructure  
22 investment, but we do expect that other sources

1 will be available, such as competitive funding  
2 through PCORI's general funding announcements as  
3 well as research funding from other institutions,  
4 such as NIH and potentially industry.

5 I'm going to focus on the tapering  
6 infrastructure funding today.

7 We went through an RFI process in order to  
8 be able to really understand what the costs might  
9 be of sustaining an infrastructure like PCORnet and  
10 we essentially decided that this tapering  
11 infrastructure investment that we're going to  
12 propose to you has two components, one is around  
13 the organizational sustainability and the second is  
14 around the data sustainability.

15 Other needs of the networks include  
16 funding for actual research projects, which we see  
17 as separate, and the networks will have to compete  
18 for that kind of funding, as well as pilot work, so  
19 innovative kind of work but it's not the full CER  
20 type proposal but that might be other kinds of  
21 pilot work.

22 So, that's not the subject today. Today



1 we're going to talk to you about both the  
2 organizational and the data sustainability that we  
3 are proposing for the Phase II infrastructure  
4 funding.

5           The next two slides, and I'm not going to  
6 go through these in the interest of time, since  
7 we're a little behind, I've described the types of  
8 activities that we think both the CDRNs and the  
9 PPRNs will be undertaking with this infrastructure  
10 funding. They relate to some organizational  
11 maintenance, so how you maintain a structure like  
12 the ones that you heard about today, and then  
13 there's quite a bit of investment needed for the  
14 data maintenance, and we talked about data quality,  
15 for example, there's quite a lot of work that goes  
16 into refreshing your data, checking your data,  
17 continuing to harmonize it to the common data  
18 model.

19           So, these are some of the activities we  
20 see for the infrastructure portion of the CDRN  
21 investments. Very similar types of activities for  
22 the PPRNs, I won't read through them again, but

1 again, they have organizational maintenance  
2 requirements as well as data maintenance  
3 requirements.

4           So, this is where I catch my breath and  
5 I'll spend a little bit more time on this slide and  
6 the next. So, there's a couple of important points  
7 that we would like to make about Phase II. The  
8 first one is that this is going to go through a  
9 request for proposal mechanism, so an RFP  
10 mechanism, that's a little different from how we  
11 did Phase I. It will be a clearly specified  
12 statement of work, and this is essentially because  
13 we're mid project and it makes much more sense to  
14 go through that kind of mechanism than through the  
15 other mechanism that we used for Phase I.

16           We are expecting that funding will be  
17 available for up to 13 CDRNs and 22 PPRNs. As a  
18 reminder, we currently have 11 CDRNs and 18 PPRNs,  
19 so we're leaving the door open for a few new  
20 organizations to enter, but we also want to remind  
21 our current awardees that it is a competitive  
22 refund, so they won't automatically be refunded for

1 Phase II. But these are our total numbers proposed  
2 as of to date.

3 A few things about the CDRN requirements  
4 that we'll be having in Phase II, we are going to  
5 be requiring that a clinical researcher be either  
6 the principle investigator or the co-principle  
7 investigator of the CDRN and we'll be asking for  
8 specific time commitments to PCORnet. I mean, we  
9 heard from our PIs today, PCORnet has really been a  
10 huge time investment for everyone involved and sort  
11 of really enabling our PIs to have the amount of  
12 commitment that they need is going to be important.

13 We're going to continue to ask them to  
14 describe their clinical areas of expertise. They  
15 each have -- each CDRNs have three cohorts in which  
16 they have expertise. We're going to really ask  
17 them to show progress in these areas and to show  
18 sort of finds of research application that they'll  
19 put forward in these areas, and so we really want  
20 to see -- as far as seeing the signs of research  
21 readiness for Phase II, particularly linked to the  
22 cohorts.

1           We are very intent to work with NCATS on  
2 the CTSA front, so it's going to be very critical  
3 for our CDRNs, where applicable, to be working very  
4 closely with their institutional CTSA's. So, the  
5 CTSA program, as you know, is undergoing some  
6 changes right now and we want to be leveraging  
7 these changes and working very closely with the  
8 CTSA's so that we're really making good use of the  
9 investments that NCATS is making as well.

10           And then a final point here is just this  
11 continued focus on achieving data completeness, and  
12 we're going to be making a renewed effort to ask  
13 our CDRNs to link with their health plans so that  
14 we can continue to solve some of these problems  
15 around data completeness.

16           For CDRNs and PPRNs, we're asking them to  
17 provide a sustainability plan that will start in  
18 year three, which is the year where we taper off  
19 the infrastructure funding from PCORI, as well as  
20 to show their cross-linkage plans, so a real  
21 increase in work between PPRN and CDRNs starting in  
22 Phase II.

1           This is the funding amount that we're  
2 proposing for CDRNs and PPRNs over this Phase II.  
3 It's a three-year program. The direct cost for  
4 CDRNs in years one and two would be \$2.5 million  
5 with a tapering off in year three at \$1.25 million  
6 for a three-year total of \$6.25.

7           For PPRNs, it's \$480,000 in year one and  
8 two, and \$240,000 in year three for a total of \$1.2  
9 million for the three-year program. These numbers  
10 have been discussed by the RTC and they've been  
11 approved by the RTC in preparation for this Board  
12 meeting.

13           DR. DOUMA: Quick question? What are the  
14 present funding levels, annual funding levels?

15           MS. FLEURENCE: So, for the CDRNs, this  
16 represents -- so, annually equivalent this  
17 represents about 75 percent in years one and two,  
18 and then that decreases 50 percent in year three.  
19 For the PPRNs, it's slightly over what we're giving  
20 them today annually equivalent.

21           This is actually the end of my formal  
22 presentation, so we now have time for discussion.

1 So, these are the questions that we've teed up, so  
2 whether this description is consistent with your  
3 vision as the Board for PCORnet, and how do we  
4 leverage the capacity of the CDRNs and the PPRNs to  
5 do actual research?

6 DR. SELBY: And before we start, I just  
7 wanted to add one thing or just to emphasize one  
8 thing Rachael said, which is that we've made it  
9 clear, and we continue making it clear through the  
10 PCORnet's steering committee is that we expect that  
11 PCORnet will be research ready at the end of Phase  
12 I, that means either already actively engaged in  
13 research, perhaps in our aspirin trial, perhaps in  
14 analyses of the weight cohort or one of the  
15 network's cohorts, and very clear to us at the time  
16 of evaluation of applications that the CDRN or the  
17 PPRN is intent on both conducting clinical  
18 research, prepared to do it, prepared to  
19 collaborate across -- with other networks, so that  
20 will be one of the criteria that will be very  
21 closely adhered to in evaluating the applications  
22 for Phase II.

1           CHAIRMAN NORQUIST: Thanks, Joe. Before  
2 we go down the tent cards here, I wanted to let  
3 Freda, since you're the head of that strategy  
4 committee that oversees this, whether you wanted to  
5 add anything or say anything?

6           DR. LEWIS-HALL: No, I think -- let's let  
7 some of the questions go around.

8           CHAIRMAN NORQUIST: Alicia, since I cut  
9 you off at the -- you can --

10          AF: Actually, this was great to have the  
11 suggestions, but thank you so much for such  
12 interesting, stimulating presentations and  
13 particularly addressing to the PPRNs.

14           You both mentioned the issue of diversity  
15 and I wanted to have a little bit of -- give you a  
16 little bit of an opportunity to share with us some  
17 of your reflections and discussions on that issue,  
18 and the issue that I'm particularly -- some of the  
19 obvious ones that come to mind have to do with the  
20 clearly -- the nature of this requires a very high  
21 level of digital engagement, a high level of  
22 literacy, and I've wondered to what extent you have

1 engaged in discussions around ways of bridging  
2 that, be it with patient readers -- participant  
3 advocates, participant however you want to call it,  
4 participant enablers.

5           The second issue has to do with --  
6 particularly, perhaps, Sharon, for you -- with the  
7 nine organizations that make up your -- to what  
8 extent is it not about the methods of collecting  
9 data but actually has to do with the makeup of your  
10 constituent organizations themselves and work that  
11 they may wish to do at their level rather than on  
12 the level of collecting the data?

13           So, if you could comment on that, and I  
14 think what would most interest me is your sense of  
15 where PCORI could be helpful, be it in setting a  
16 standard or be it in enabling you with resources to  
17 actually accomplish what you want, which is a data  
18 source and resource that is responsive to --  
19 appropriately representative.

20           MS. TERRY: So, yeah, so we've thought a  
21 lot about this, certainly before PCORnet and  
22 during, and serving on the executive committee of



1 PCORnet I've begun to think about it more globally.  
2 So, we are -- built into my project are navigators  
3 and I know several other PPRN are doing a similar  
4 thing, so these are individuals who are trained to  
5 do phone calls, to do visits, that sort of thing.  
6 That's really highly expensive in the sense of  
7 person power.

8           We have the opportunity here though to  
9 long tail that and get lots and lots of people to  
10 do it because these armies of people are very  
11 interested in furthering research more quickly.  
12 So, I think that's one way.

13           We've also looked at a whole host of  
14 things. I just came -- this morning I spoke with  
15 the ONC Consumer Health thing and so did Jean, and  
16 there the people representing underserved and  
17 marginalized communities talked a lot about, we are  
18 not non-digital, because that's one of the push  
19 backs we get a lot is, this is all digital and  
20 digital natives love it but other people don't.  
21 So, text-based systems, which are harder to create  
22 and more expensive, which is crazy, are one thing

1 that we're looking at. Using the infrastructure  
2 that already exists in communities -- so, church-  
3 based and community-based organizations -- and  
4 there's a whole body of work that's already been  
5 done by like Community Campus Partnerships,  
6 National Council of La Raza, et cetera, that I  
7 think we have not tapped enough, and I know I  
8 haven't enough. I do in other parts of Genetic  
9 Alliance, but not this, because I don't have enough  
10 time.

11           So, I think resources in terms of time to  
12 be able to integrate those things and PCORI --  
13 PCORnet integrating those things on a PCORnet level  
14 would be really good.

15           And then as far as, you know, for example,  
16 the nine groups and what do they want to do, I'm  
17 kind of amazed -- again, the advocacy community,  
18 especially around disease-specific stuff, is very  
19 old. We are 50 years old, some of us. My group is  
20 only 20, but there's others that are up there, and  
21 I think the newer forms of being in affinity with  
22 one another, like Facebook, et cetera, are

1 overwhelming the brick and mortar groups and they  
2 don't quite know what they want to do. So, they  
3 know they want to accelerate research and they know  
4 they want to provide services for their community  
5 and listen to them, and vis-à-vis the example Holly  
6 gave, we have lots of examples like that, and I  
7 think what they've finally begun to understand is  
8 that they are able to do this if they, one, do take  
9 care of those communities, so they keep in  
10 connection whatever way they need to, and two, if  
11 they start to look at cross-condition issues.

12           So, what we've found when we brought the  
13 nine groups together is, we took nine plain old  
14 patients from those groups, not the leadership, and  
15 those people said, we deal with fatigue, we deal  
16 with the burden of illness, we deal with familial  
17 and marital issues because of the stress of  
18 disease, we deal with pain, we deal with -- and  
19 they just went on and on wanting to answer those  
20 questions together and not be just identified with  
21 hepatitis or with inflammatory breast cancer.

22           So, I think what we're finding is there's

1 a kind of -- a people-ness, just like I think  
2 people are not patients, I think people also don't  
3 identify just with their disease, and we need to  
4 figure out how to connect them better and I think  
5 we can do that in something like PCORnet.

6 MS. PEAY: So, I won't pretend to have an  
7 answer to this question but I'll tell you some of  
8 the ways that we're trying. This is really hard.

9 So, in a rare disease community there are  
10 special ways, especially with a disease like ours,  
11 so most individuals with Duchenne or Becker  
12 muscular dystrophy are seen at least once a year in  
13 a specialty clinic. So, our obvious focus, and  
14 what we've really been pushing, is clinics --  
15 clinicians and clinics themselves, and there's a  
16 lot of politics involved with that, especially in  
17 our world where there's a lot of organizational  
18 politics and then clinician and advocacy politics.

19 But that is the obvious thing because we  
20 know that the large majority go there at least once  
21 a year.

22 The second is that we have grassroots

1 groups, so it's a similar thing, like you're  
2 talking about, with a community involvement and  
3 getting the word out in our community and we've  
4 been really pushing that. But we still find that  
5 even in those groups that we still get a select  
6 group of people who stay engaged. They might start  
7 engaged, but they don't stay engaged.

8           So, some of it, again, like Sharon said,  
9 is trying to make sure that we're doing something  
10 that's interesting, and this is an opt-in situation  
11 where people come to us and our history has been  
12 clinical trials and clinical trial readiness, and  
13 there's a large number of people who are just not  
14 interested in that.

15           So, we are working very hard on sort of  
16 rebranding ourselves and reorienting ourselves  
17 towards things that matter to a different subset of  
18 the population, and so making sure that we do talk  
19 about things like, you know, we're trying to gather  
20 more information about the pain that your children  
21 have and then as an adult you experience, and  
22 making sure that we are broadening our scope so

1 that it's not just perceived as a network that's  
2 ready for clinical trials.

3 But I don't know if we're going to be  
4 successful, and maybe at the end of 12 months I'll  
5 have a better answer of how well we've done.

6 CHAIRMAN NORQUIST: Thanks. One thing I  
7 would say, because working with a lot of  
8 underserved populations that one of the ways to  
9 engage is to offer something else to people who are  
10 struggling every day in life, and so to go to them  
11 and say, well, I want you to participate in this,  
12 that's one thing, but then to offer something else.

13 So, for example, there's this woman who  
14 does a lot of cancer outreach up in the Mississippi  
15 Delta, Romana actually came with me, so one of the  
16 things they do is actually offer a screening and  
17 then get them to appointments and things like that,  
18 and then they engage them in this. So, that's  
19 another option of how you get people who see some  
20 benefit other than the overall benefit.

21 DR. HESS: Yeah, so we offer free genetic  
22 testing and it hasn't helped yet, but I'll let you

1 know.

2 CHAIRMAN NORQUIST: Yeah, genetic is  
3 different than come see if you have a tumor in your  
4 throat or something. So, I agree. We'll see.  
5 Rick Kronick is sitting there.

6 MR. KRONICK: Thank you. Thank you all.  
7 Really fascinating and incredible work in a short  
8 period of time. My question is, I think, probably  
9 mostly for Rachel, and it's -- as a background, we  
10 are dealing in the government now with requirements  
11 for open data. Everything we fund, you know,  
12 researchers need to make the data available at the  
13 end of the work, and, you know, PCORI will be  
14 putting in, if this is approved, maybe something  
15 like \$250 million all together into PCORnet and I  
16 wonder -- and I'm struck by Holly's comment about,  
17 you know, selling the data and clearly the  
18 sustainability question is front and center, which  
19 conflicts with open data.

20 But I wonder what your thoughts are about  
21 the availability of this at the end.

22 MS. FLEURENCE: So, well, I think several

1 things. We're still in the early stages of  
2 developing the governance policies for PCORnet, but  
3 one -- so, one thing that's clear, though, is that  
4 PCORnet research studies will be subject to the  
5 same rules that apply to PCORI research. So, any  
6 rules that we have around access to data that PCORI  
7 will be supporting will also have to apply to  
8 PCORnet.

9 The other thing I'd say --

10 MR. KRONICK: I'm not familiar with those  
11 rules.

12 MS. FLEURENCE: So --

13 DR. SELBY: Well, for example, the rules  
14 we just mentioned this morning, the proposed rules  
15 for peer review and release of research findings  
16 and then the open science approach that Harlan and  
17 Steve Goodman have been leading and we talked about  
18 last week on the call.

19 So, we'll be coming back to, you know, a  
20 more refined approach to that, and as Rachael said,  
21 it will influence any research that PCORI funds in  
22 PCORnet. I don't think you could say that it



1 applies to the infrastructure data that the  
2 networks hold. In fact, a lot of that data,  
3 correct me if I'm wrong, you guys, but I think some  
4 of it will even still sit primarily in the partners  
5 within your network and it will be brought forward  
6 for particular studies.

7 MS. FLEURENCE: So, I think it will be  
8 important to differentiate between sort of the data  
9 being housed in the virtual data warehouses within  
10 each CDRN, which will not be open, with case-by-  
11 case research, research studies that will be done,  
12 and then they'll be subject to a certain amount of  
13 rules that will be done through the governance and  
14 will most likely include open data and sort of the  
15 whole open science policy that PCORI is pursuing.

16 The other thing about selling data, and  
17 I'll let Holly correct me, is that my assumption  
18 would be that since you have patient governance on  
19 your network, the selling of the data is not done  
20 sort of without the knowledge and the buy-in of our  
21 patients. So, I think that's a really key  
22 distinction is that this is not data that's being

1 sold without the knowledge of the patient.

2 MS. PEAY: So, can I just clarify though?  
3 Because when I say sell data, I probably did use  
4 that term but it was not exactly accurate.

5 So, industry wants prep to research data,  
6 they want very specific counts of people in  
7 particular areas with particular phenotypes, and so  
8 we do that kind of cutting of the data. This would  
9 not preclude us using end data for any other  
10 reason, and then the way that we actually  
11 predominantly work with industry is recruitment.  
12 So, it's not actually giving them any data, it's  
13 actually using our data to be recruitment.

14 So, I apologize if I was unclear about  
15 that.

16 MS. TERRY: And I would add to that, I'm a  
17 huge open everything proponent, as some people  
18 around this table know, and what we're looking at  
19 is the service of serving up that data in a way  
20 that makes sure that it's quality controlled, et  
21 cetera, being the thing that we sell, which is very  
22 similar to what DuchenneConnect does, not selling

1 the data itself. So, they're not incompatible  
2 unless the government decided it was in charge of  
3 all data and in charge of the service the way they  
4 are, for example, with PubMed Central.

5 CHAIRMAN NORQUIST: Harlan Weisman.

6 DR. WEISMAN: I have two questions, one  
7 specifically, I think, for Rachael and it relates  
8 to page 142, but it's on the CDRN requirements.  
9 One of the things that I -- that's been important  
10 to me in this whole PCORI process building this  
11 PCORnet to begin with specifically is broadening  
12 our definition of who investigators are to include  
13 patients and other stakeholders as not people who  
14 just go to meetings and say what's important to  
15 them, they actually participate in the research.  
16 Yet on the bullet it said, you specifically pick  
17 out members who are already in the club of  
18 investigators.

19 And so I was just interested in that, that  
20 you -- I mean, clearly, it goes without saying that  
21 everything we do, the highest standards of  
22 scientific rigor and quality that we've talked

1 about all day, but given that, I'm just -- I think  
2 it's important to broaden as opposed to make sure  
3 that we narrowly focus, and I was interested in why  
4 you chose that.

5 MS. FLEURENCE: I'm not sure that --

6 DR. WEISMAN: To break it out as opposed --

7 MS. FLEURENCE: I'm not sure which bullet  
8 you're referring to.

9 DR. WEISMAN: It's the one about having  
10 clinical researchers as a principle investigator or  
11 a co-PI. I have nothing against that but you also  
12 spoke perhaps, I think, about having a patient or  
13 some other stakeholder as a PI or co-PI.

14 MS. FLEURENCE: That's a good point. I  
15 think we were really responding to sort of the  
16 increasing realization that in Phase II this really  
17 has to be about research and improving the  
18 efficiency of conducting research, and I think sort  
19 of as we pivot from infrastructure building to  
20 actually conducting clinical research, we want to  
21 make sure our CDRNs are staffed appropriately to be  
22 able to sort of have that big picture understanding

1 of what it requires to be able to conduct high  
2 quality research. So, that's really sort of the  
3 impetus behind this.

4 I think it in no way precludes having a  
5 co-investigator who may be a patient or another  
6 kind of stakeholder. By Phase II, however, there  
7 will be patients and stakeholders involved in the  
8 governance and on the leadership of those CDRNs and  
9 PPRNs, they wouldn't get funded for Phase II if  
10 they did not have that well in place.

11 I think the particular point about just  
12 saying make sure you have a clinical researcher as  
13 a PI or co-PI is just sort of really making sure  
14 that we set them up to be successful to pivot from  
15 infrastructure to research.

16 DR. WEISMAN: Right, and my point is I --  
17 you know, we spent a lot of time talking about the  
18 investigator and how they should publish, and we  
19 don't want to get in their way, but I don't see any  
20 reason why a patient couldn't be at a podium  
21 presenting research and there are a lot of academic  
22 researchers whose quality and rigor leaves a lot to

1 be desired. So, to me, the basic principle is to  
2 make sure that there are people who know what  
3 they're doing and have been well trained and have a  
4 reasonable track record. Okay, enough of that.

5           The second question, I guess, is for the  
6 broader group and maybe for PCORI staff, which is,  
7 now, when I was listening to this, we have -- each  
8 of the -- well, many of the CDRNs and PPRNs are a  
9 network of networks and then we have PCORnet, which  
10 is the mother of networks, I guess, I mean that in  
11 a nice way, and that allows us to reach in and do a  
12 lot of research, but I was curious about -- and it  
13 allows people to aggregate interests together when  
14 it makes sense and break apart and not work  
15 together when it doesn't make sense, and I love  
16 that.

17           What about the process by which knowledge  
18 and learning and I think, Sharon, maybe you used  
19 the term learning healthcare, when you did that  
20 system, how do we make sure that there's good  
21 distribution of what people are learning both  
22 informally in setting up networks and how they work

1 and what works in engagement and what doesn't and  
2 so forth, but also in research findings taking  
3 something that was studied, for example, in a  
4 randomized clinical trial, and looking at its  
5 applicability more broadly and generally through  
6 testing within the network of network? That  
7 connectedness of how people communicate, I guess.

8 MS. FLEURENCE: So, I think I'll answer in  
9 two parts and I'll start with sort of the research  
10 findings. I mean, I think again, the same answers  
11 I gave to Rick is that research studies funded  
12 within PCORnet will be subject to the same rules  
13 that they are within PCORI and sort of  
14 implementation and dissemination will be key  
15 criteria for funding these research projects.

16 So, the same bar will be there for the --

17 DR. WEISMAN: I'm thinking more in terms  
18 of a formally study invalidating that what we found  
19 here within this part of the network, we tested it  
20 subsequently, whether it actually is true in a  
21 different population or a broader or more diverse  
22 population that's available within the network.

1 MS. FLEURENCE: So, these are definitely  
2 areas that we can investigate or processes that we  
3 can investigate. I think we're not quite there  
4 yet. We're close to being there, but not quite  
5 there. The other answer I was going to give you --

6 DR. WEISMAN: It's really just learning  
7 from each other.

8 MS. FLEURENCE: The learning from each  
9 other, I mean, I think we all aspire to do that and  
10 we're all looking at ways to do that. We really  
11 are sprinting though; this is really an 18-month  
12 sprint.

13 So, right now we have sort of informal  
14 ways that folks have gathered together around  
15 interests and they're sharing informally, but we  
16 have our PCORnet steering committee, we have CDRN  
17 and PPRN PI retreats. We've not, I think, had time  
18 to stop to catch our breath to do something more  
19 formal in terms of dissemination learnings, but I  
20 think we're probably close to being able to do  
21 that, maybe in the winter of 2015, but this has  
22 been a real sprint to ramp up. I mean, these are



1 29 networks, so I have 25 other PIs like those that  
2 we invited today who are really working full out to  
3 do this.

4           CHAIRMAN NORQUIST: It's a spring; we got  
5 that. And then there's work to be done and there  
6 will be an opportunity to certainly try to  
7 interface here and have people working together and  
8 learning from each other. Okay. Let me -- Allen  
9 and Christine have the last and then Freda, if you  
10 want to say something at the end here. Allen?

11           DR. DOUMA: Allen Douma. Again, thank you  
12 very much. It's been delightful and exciting to  
13 listen to all of what you're going through now and  
14 looking forward to what you're going to do in the  
15 future. With regard to sustainability, though, and  
16 this is directly to PCORI folks, what I hear is the  
17 sustainability for you guys in the long run is  
18 going to be based on your individual ability to  
19 market yourselves to people who want to get  
20 research done.

21           My idea, at least, when we first conceived  
22 PCORnet is that the power is in the numbers and

1 that the PCORnet itself needs to market itself, not  
2 have the individual members, and I'd suggest that  
3 given we want to have sustainability plans  
4 hopefully start the first day of the third year,  
5 not the last day of the third year, that we need  
6 to begin to start marketing PCORnet as a whole now  
7 and the beauty of doing that is we will find out  
8 from our potential customers what it is they need  
9 and want, which will help each individual member of  
10 PCORnet, the CDRNs, the PPRNs, to be able to  
11 actually develop a product, which is going to meet  
12 the needs two years from now.

13 CHAIRMAN NORQUIST: All right, Christine  
14 and then we've got Leah and Ellen and -- so, let's  
15 make these quick because we're running out of time.

16 MS. GOERTZ: Hi. Christine Goertz. I  
17 also want to thank all of you for the incredibly  
18 hard work -- incredible hard work that I know  
19 you're doing to make this dream really become a  
20 reality. It's easy for us to sit here and say, oh,  
21 let there be something like PCORnet, and you are  
22 the ones that are putting in the hundreds of hours

1 to make it happen. So, thank you very much, all of  
2 you, including Rachael.

3 My question is for Rachael. Can you give  
4 us some idea of what the benchmarks are for success  
5 for Phase I, both for individual -- are there sort  
6 of individual benchmarks for the PPRNs and CDRNs?  
7 And then also collectively, as we're looking at --  
8 you know, are we -- is this working or --

9 MS. FLEURENCE: So, this could be a very,  
10 very long answer, so I'm looking at Gray.

11 CHAIRMAN NORQUIST: Can you -- we should  
12 be able -- we have that somewhere, but I mean you  
13 should be able to get to the point.

14 MS. FLEURENCE: I'll try. So, for  
15 individual networks, there are a number of  
16 milestones that they need to meet in terms of their  
17 governance, their patient engagement, setting  
18 priorities, including their patients and their  
19 clinicians, organizing their data correctly,  
20 streamlining their IRB, streamlining contracting,  
21 so a number of items that they, individually as  
22 networks, need to be able to achieve.

1           Having said that, we also want PCORnet to  
2 be successful as PCORnet, so we're not funding 29  
3 individual networks.

4           They do have to collaborate together and I  
5 think the success of PCORnet as a whole is being  
6 able to leverage multicenter research, so being  
7 able to have large sample sizes, do the testing  
8 that Harlan was referring to about generalized  
9 ability, being able to have data organized in  
10 similar formats so that we can run large  
11 observational studies quickly, doing prep to  
12 research. So, there's a number, I think, of  
13 milestones around the data, around the governance  
14 of PCORnet itself, so how do you get studies  
15 quickly approved and run within PCORnet?

16           So, they're a little separate because we  
17 could have 29 successful individual networks and  
18 still not have a successful PCORnet, so they do  
19 need to be looked at together.

20           CHAIRMAN NORQUIST: So, we have parameters  
21 on which to measure. They know what -- you know  
22 what you're supposed to be doing, right, by the end

1 of this, so they know that and that's really key  
2 and that will be there for when we evaluate them to  
3 move on to the second phase, is that correct?

4 MS. FLEURENCE: That's correct.

5 CHAIRMAN NORQUIST: Okay, thank you.  
6 Leah.

7 MS. HOLE-MARSHALL: My comment was  
8 similar, and thank you again for all your hard  
9 work, but it was really related to quantifying the  
10 outcome or the measures in terms of whether we're  
11 getting to where we need to go, and with respect to  
12 the sprint, if we've set aggressive timeframe,  
13 that's okay if we're not accomplishing everything  
14 we thought we would do, but at some point we need  
15 to articulate what that is and when we would be  
16 able to get to a point where we can actually  
17 measure the outcome we want to have, which is  
18 accelerated research and some of these other  
19 networks.

20 So, I'm hoping that if we're moving to  
21 Phase II, we're at least thinking about when we  
22 will be able to assess that and what we will use to

1 assess it by, so even if we can't assess it at the  
2 end of Phase I, which I don't think we can do, I'm  
3 not saying that that's a failure, but we really  
4 need to be able to articulate that and I worry a  
5 little bit in this description of, you know,  
6 describe plans for how you're going to progress  
7 towards clinical research after another three years  
8 seems a little underwhelming in terms of where we  
9 might want to be.

10 So, I just want to put that out there --

11 MS. FLEURENCE: Well, I'm sorry if I gave  
12 that impression because actually we are -- we're  
13 going to be increasingly turning on the pressure to  
14 our networks to go in for joint applications of  
15 research as PCORnet even before Phase II kicks off.  
16 We have a first use case with our aspirin trial,  
17 which is -- the protocol's being written as we  
18 speak and the CDRNs are collaborating right now in  
19 order to put in a full application, so we'll get  
20 early signs of how that collaboration works. We  
21 have the obesity cohort, which we hope to be able  
22 to see some real research questions coming out of

1 that, not just sort of being able to organize the  
2 data around that.

3           So, I'd say we do have early signs and  
4 we'll be looking at these very closely as we get  
5 towards Phase II to see how successful the networks  
6 are in engaging around these questions.

7           MS. HOLE-MARSHALL: I think it was more of  
8 the descriptors that were up there.

9           CHAIRMAN NORQUIST: Yeah, and I think I  
10 heard also from them that they're also discussing  
11 with other potential partners too other than us  
12 about potential research, so that's set up already.

13           MS. HOLE-MARSHALL: The only other  
14 question that I had, and I don't need a response,  
15 but I am curious about the reasoning behind  
16 extending beyond our initial group to a larger  
17 group, and there must have been some success  
18 measures where we decided that the investment was  
19 successful and now we're going to extend it without  
20 knowing the full measure of success, which is where  
21 we want to be. So, I don't need a response at this  
22 point but I think it is --

1           CHAIRMAN NORQUIST: I don't think that's  
2 something that -- that's a legitimate issue is  
3 about why go for more when you know what we need --  
4 what you've got now or whatever, so can you quickly  
5 potentially say why we are moving up to a larger  
6 number?

7           MS. FLEURENCE: Well, it's only slightly  
8 larger and it's "up to", so it doesn't necessarily  
9 mean we will fund up to that number. I'd say we're  
10 aware that there are networks out there that are  
11 very sort of high performing networks and they  
12 would have to come in at sort of a high level  
13 already, so they wouldn't have a long ramp up  
14 period, they would have to be fairly functional  
15 fairly quickly.

16           But from the beginning, we talked about  
17 PCORnet as being open and it just -- I think it  
18 didn't feel right to sort of close it for Phase II  
19 to new applicants, new entrants.

20           MS. HOLE-MARSHALL: Well, you could do  
21 that, though, by keeping it at the same number but  
22 making sure that everyone that currently has a



1 grant is high performing and competing against  
2 others that are high performing. It's really  
3 expanding the program that I'm talking about. You  
4 don't have that evidence yet that it's doing what  
5 we want it to do.

6 CHAIRMAN NORQUIST: Yes. That, I think,  
7 is for more discussion because partly we need to  
8 know what we're going to use the PCORnet for, for  
9 the ideas about what it is that we want to do, and  
10 that may come in with the review, actually, when  
11 the review comes up, we may have less than 22, we  
12 may end up with 15, but it's a very good point and  
13 I think something to keep aware of. Yes. Ellen,  
14 are you still going to ask a question or you put  
15 your card --

16 MS. SIGAL: It's not a question, just a  
17 statement. I want to thank you for your work, I  
18 think it's incredibly important and I love the fact  
19 that you said that the doctor doesn't know  
20 everything. I recently had to speak at -- on  
21 diagnostics at Mass General and I made a similar  
22 statement that, you know -- and the doctors on the

1 panel were really angry. What are you talking  
2 about patient's needs, trust their doctors? This  
3 isn't about trusting, but I just felt compelled to  
4 say that. I'm sorry.

5 CHAIRMAN NORQUIST: Let me just remind  
6 you, as a physician, but I would just say that  
7 there are the clinicians, too, other than  
8 physicians, who don't know what they're talking  
9 about also. I don't want to let them off the hook.

10 [Simultaneous discussion.]

11 CHAIRMAN NORQUIST: That's what I want to  
12 do. Let's offend everyone instead of just the  
13 physicians.

14 MS. SIGAL: [Off microphone] and not  
15 knowing what you're talking about.

16 CHAIRMAN NORQUIST: Well, that's true.  
17 None of us -- nobody knows everything, right.

18 DR. DOUMA: I solve that problem by being  
19 mute. Something to consider a model going forward,  
20 particularly a couple years from now, maybe  
21 somebody wants to join the PCOR network who we  
22 haven't funded at all, because being a part of the

1 network is such an advantage, and so we ought to  
2 put the word out for later on.

3 CHAIRMAN NORQUIST: Well, we hope that's  
4 the case. Right? So, Freda, since you've been  
5 overseeing this with your strategy committee, we  
6 want to give you the last word.

7 DR. LEWIS-HALL: Yeah, actually, though, I  
8 wanted to do a lightening round because the  
9 questions that are being asked right now are the  
10 questions that, as a committee, we keep going back  
11 and forth on and that is, is the next -- expanding  
12 the network to begin to get alignment and more  
13 capture or is it creating greater depth in being  
14 able to complete research that we anticipate we  
15 could do? And we know what we think and I just  
16 wanted to do a lightning round across the four of  
17 you --

18 CHAIRMAN NORQUIST: You want to ask them?  
19 Yes. So, you know, you brought up a good point,  
20 though, that I want to be clear about is that many  
21 of these questions, I think Leah and these others,  
22 that are very important, come back to your strategy

1 committee to really -- because we're not -- this is  
2 not sealed, this is what we're -- you know, this  
3 is, is this where we want to be, but this is --  
4 opens up more discussion.

5           But I think it would be interesting to  
6 hear certainly what your feelings are. So, we'll  
7 just go from left to right.

8           MS. TERRY: Sure, so I think deeper and I  
9 think on the PCORnet level, and that means engaging  
10 us because actually we've begun to think about, do  
11 we have the right metrics? We've had a retreat for  
12 the executive committee on creating metrics that we  
13 think are going to change the world, because we're  
14 giving our skin to this thing. So, I think asking  
15 PCORnet and also the 29 or however many funded  
16 entities to start to say, how does the world change  
17 if PCORnet is functional, including funded and un-  
18 funded entities? How are we not just CTSA's or  
19 collaboratory or whatever else? How are we going  
20 to change the world?

21           MS. PEAY: So, I agree with that. I think  
22 that's very helpful and I think one of the things

1 that we struggle with as a rare disease group, and  
2 I know more rare disease groups would be dying to  
3 get into this network, but the existing PCORnet  
4 activities really don't address issues with -- no  
5 one's going to want my guys in the ASPEN trial, no  
6 one's going to want my guys in the cardiac trial  
7 because they have so many comorbidities and it's  
8 predominantly men, that's why I'm saying guys.

9           You know, I think there's some real  
10 questions about how especially rare disease PPRNs  
11 fit in this big picture and I think answering those  
12 questions really fast would be very helpful to  
13 making that decision.

14           CHAIRMAN NORQUIST: Thank you. I'm glad  
15 you pointed that out because the rare disease issue  
16 is always a special kind of issue sometimes that we  
17 need to focus on. Thank you.

18           DR. HESS: I think that there's a depth  
19 and a breadth issue. I think that the funding  
20 level that's being talked about for Phase II is  
21 probably close to appropriate to continue the  
22 activities and to dive more completely into those

1 activities with the idea that we're sustaining  
2 infrastructure, not sustaining research.

3 I think that PCORnet and the CTSA, NCATS,  
4 and the other initiatives that are being developed  
5 have created a space in which academic medical  
6 centers either participate in them or fold and I  
7 don't think that that's hyperbole. I think that  
8 that's a reality and to think about -- there's a  
9 lot of breadth in the inclusion of PCORnet right  
10 now and of NCATS and their initiative, but it's not  
11 complete and thinking about the message that's sent  
12 in terms of the value of some institutions that  
13 maybe could not have gotten it together quickly  
14 enough for the Phase I of PCORnet is something that  
15 one needs to think about very, very carefully in  
16 making those decisions.

17 CHAIRMAN NORQUIST: Thank you. Dr.  
18 Carton?

19 MR. CARTON: Two quick points, one is I  
20 think that there's a balance between the depth and  
21 the breadth. There's definitely a need for depth.  
22 I think these numbers are balanced. I feel like

1 other networks that have different experiences from  
2 PCORnet joining at the second phase could add to  
3 the initial investment in terms of the  
4 collaboration and the learning process.

5           To the other point about joining PCORnet  
6 willingly, we deal with that all the time. I mean,  
7 we, as a central node, funded our partners to  
8 participate and we're constantly trying to develop  
9 strategies where we could go to other systems  
10 within our state and ask them to join the LACDRN,  
11 obviously at smaller levels than we started with,  
12 but then develop the benefit case that they would  
13 want to join on their own and won't really  
14 necessarily need to be seed funded like we did in  
15 Phase I.

16           CHAIRMAN NORQUIST: Thank you. Freda,  
17 just --

18           DR. LEWIS-HALL: Yeah, I just wanted to --  
19 I jumped into the question but I would be remiss to  
20 not say thank you all for coming here today and  
21 sharing your thoughts, your incredible work, and  
22 then to the staff of course, and the CDRNs and

1 PPRNs who are not here, and to the RTC, because we  
2 jumped into the deep end of the pool quite quickly  
3 and I want to thank the members.

4           CHAIRMAN NORQUIST: Yeah, so let me add to  
5 that and just -- on behalf of the whole Board,  
6 those who didn't speak, and I'll speak for them and  
7 add also thank you very much for this, and also for  
8 those who -- I'm glad you said that, for those who  
9 are not here, we have four out of the great number,  
10 and for the work that your committee and also the  
11 SOC and others have done as an input in on this  
12 also, and to be continued, right? Thank you all  
13 very much.

14           [Applause.]

15           CHAIRMAN NORQUIST: Robin Newhouse, you're  
16 up.

17           So, we will have a break, we will adjust  
18 accordingly, but we do have an important discussion  
19 after that about our health systems program and  
20 then we do have the public comment period, which we  
21 do need to have also. We're alerting people on the  
22 phone. We will have a break after this, so Robin



1 is up against the break.

2 MS. NEWHOUSE: What we will do is update  
3 you on some of the activities of the Methodology  
4 Committee and we will talk about five things, first  
5 of all, an update on the Methodology Standards, the  
6 Dissemination and Implementation Plan, second, to  
7 update you on the development of new standards,  
8 then talk about the methods monitoring in the  
9 portfolio, a couple specific activities, an update  
10 on our discussion about the translation framework  
11 and what will come next, the Network Research  
12 Methods Workgroup, and then we have a couple more  
13 updates.

14 And I've asked David to join me  
15 particularly for this first part of the  
16 presentation around the dissemination and  
17 implementation update, because truly the work  
18 that's been done over the past year has been a  
19 major effort on behalf of the PCORI staff and David  
20 and Katie have led some of that effort within  
21 PCORI.

22 So, first item is dissemination and

1 implementation of the Methodology Standards, and  
2 the first audience was the internal audience. It  
3 was important for PCORI first to build capacity  
4 within PCORI to implement the Methodology Standards  
5 and be able to support those applicants that were  
6 going to use the Methodology Standards.

7           So, the intended outcomes for the  
8 dissemination and implementation plan is here,  
9 first, to increase research in stakeholder  
10 awareness of the standards, to incorporate the  
11 standards into key PCORI programs and activities,  
12 increase the standards use by researchers,  
13 publishers, and funders, and increase the  
14 availability of tools and other resources to  
15 facilitate the use of standards.

16           So, the implementation plan was reviewed  
17 by the Board at the end of last year, so the  
18 beginning of this fiscal year and the first  
19 activity was to operationalize the standards in  
20 merit review process.

21           So, at this point, the Methodology  
22 Standards have been incorporated into the guidance

1 for the PFAs, the staff have launched that internal  
2 workgroup that I mentioned led by David and Katie.

3           They have developed some resources for  
4 evaluating the standard's use by the applicants,  
5 and of course the Methodology Committee has gotten  
6 a report of the use of the standards for applicants  
7 that have submitted proposals to PCORI. And the  
8 next step for the staff is to develop adherence and  
9 an interpretation guide that will be available this  
10 fall.

11           The second set of activities has been  
12 around dissemination. There have been a number of  
13 webinars and presentations, this first one there  
14 were 500 registrations for a July webinar that was  
15 held, and the staff are tracking the journal and  
16 scholarly work, and as one might expect, many of  
17 the citations relate to the Methodology Standards  
18 started around the publications that were done by  
19 PCORI staff and PCORI related people, and now we're  
20 starting to see more publications outside of the  
21 PCORI network being cited.

22           So, next step is more publications in

1 terms of Methodology Standards to get that out in  
2 the peer review literature and also additional  
3 partnerships externally.

4           Standard training activities have been  
5 prevalent. The PCORI staff have undergone or  
6 they've completed a three-part training session on  
7 the Methodology Standards. There has been  
8 extensive merit review training as well as a survey  
9 of the merit reviewers to determine whether the  
10 training has been sufficient and their experience  
11 with the merit review in terms of the Methodology  
12 Standards.

13           The next step for the following year is to  
14 modify the existing training materials for the  
15 external audience. The next year we'll also  
16 include a number of monitoring and evaluation  
17 activities, including performance metrics for  
18 implementation to understand the reach that the  
19 Methodology Standards have had, that will be  
20 coordinated by the Standards Workgroup with input  
21 from the Methodology Committee, and then  
22 development of decision support tools for

1 researchers and reviewers.

2           So, David, would you like to add anything  
3 to this?

4           DR. HICKAM: So, I think that one of the  
5 significant pieces of this is that, you know, the  
6 Methodology Standards were developed by the  
7 Methodology Committee, you know, at a time when  
8 PCORI staff was still pretty small and the whole  
9 process for conducting merit review and managing  
10 portfolio projects was just getting started.

11           And I think one of the important things  
12 that's happened in the last year is that the  
13 Methodology Standards have sort of been brought in  
14 and sort of brought into the culture of PCORI so  
15 that we felt like that it was useful to sort of  
16 have the first initiative of training materials and  
17 really just practical experience using the  
18 Methodology Standards to be done internally and  
19 that that's actually gone extremely well.

20           I think that if you talk to the staff, I  
21 think they feel like they've got a much better  
22 appreciation about what the standards are, which

1 are a set of guidelines for helping to ensure best  
2 practices in clinical research.

3           And we feel that this is a sort of a good  
4 sort of platform for launching additional training  
5 materials to outside audiences, which is just sort  
6 of getting underway now.

7           The other thing is that I think, you know,  
8 the one thing that you gain an appreciation for  
9 sort of working with the standards and applying  
10 them to individual projects is to get, really, sort  
11 of a good comfort level that these really provide a  
12 vocabulary for discussing methodological issues  
13 with the people that we make awards to. And so, as  
14 I see the process of adherence to the standards is  
15 really an ongoing activity.

16           It's a way to share information about the  
17 guidance with the awardees and sort of work with  
18 them on an ongoing basis to sort of improve their  
19 projects and refine the methodology, and so, you  
20 know, I think that we sort of realized that, you  
21 know, trying to measure or develop measures or  
22 metrics that would show how this was being used,

1 it's not just a percentage of this or a percentage  
2 of that, but it's really to sort of be able to sort  
3 of capture how it helps inform the relationship  
4 between PCORI and the awardees and really to get  
5 the perspectives of the awardees about how helpful  
6 that process has been.

7           So, Robin, that was probably more than you  
8 wanted to hear from me, but hopefully it gives you  
9 sort of a sense about how we're trying to  
10 operationalize these into our everyday activities.

11           MS. NEWHOUSE: Thank you, David.

12           The next update is in terms of the two  
13 standards that we're currently working on, the  
14 first is the design with clusters and the idea in  
15 the development of this standard is a little  
16 different than we used to our approach for  
17 developing the standards in the last contract  
18 period.

19           In this situation there are a number of  
20 people that have worked in the area of designs with  
21 clusters, we've made multiple contacts with those  
22 experts and we'll be planning a workshop, actually,

1 this fall and we have a couple dates secured, so  
2 I'm not able to tell you that, but the idea will be  
3 we've drafted a set of standards based on the prior  
4 work for designs with clusters and that workshop  
5 will have refine and come to consensus on the  
6 development of those standards.

7           The second set of standards is related to  
8 complex interventions, and we actually have a  
9 meeting on Wednesday in which we will come to some  
10 conclusion about the definition of complex  
11 interventions. We, last year, reviewed a number of  
12 definitions. There are also people that are  
13 working in this space in development of guidelines  
14 for complex interventions. Many of the studies  
15 that PCORI funds, particularly in health systems,  
16 which is care coordination, are, in fact, complex,  
17 and we have established a draft approach to the  
18 development of these standards. Also, this will be  
19 a little bit different than we had done in the past  
20 in terms of the contract, but we have a meeting on  
21 Wednesday where we'll flesh out our approach to  
22 standards for complex interventions.



1           The next item is related to methods  
2 monitoring in the portfolio, and one of the first  
3 reports that PCORI staff has provided for the  
4 Methodology Committee relate to the types of  
5 project that the PCORI methods research portfolio  
6 has funded, and we were able to understand at least  
7 a description of the 41 studies that are funded in  
8 the methods portfolio and how they're spread across  
9 some of the current methods standards and have  
10 begun to discuss where some of the gaps are, that  
11 will be another point of discussion about where we  
12 need to focus in terms of growing the methods  
13 portfolio.

14           The second is in terms of the Clinical  
15 Trial Advisory Panel. Of course, CTAP has been  
16 endorsed and is now going strong. Steve Goodman  
17 and Mary Tinetti have joined the Advisory Panel as  
18 ad hoc and they have invited us -- they've  
19 developed three priority areas that they'd like to  
20 start working and that's recruitment and retention,  
21 monitoring clinical trials, and some common  
22 definitions, have invited Methodology Committee

1 members to become part of that subgroup so we're  
2 often involved, all of us, with CTAP subcommittees  
3 as well.

4           In addition, the third item related to  
5 monitoring in the portfolio, in terms of  
6 implementation of the standards, we mentioned that  
7 the PCORI staff was already evaluating the adoption  
8 of the Methodology Standards within the proposal  
9 and has provided a report to the Methodology  
10 Committee, but we had also discussed the option of  
11 a methodological consultation and that will be  
12 implemented in the first round of the pragmatic  
13 clinical studies in November of 2014.

14           This initiative is being operationalized  
15 by the staff. The idea is that there would be some  
16 methodological expertise that would provide a  
17 consultation to the review of the proposals to  
18 strengthen the rigor of the proposals and make some  
19 recommendations if, in fact, there are  
20 recommendations to be made in terms of ways to  
21 strengthen those proposals.

22           The next item I wanted to mention is

1 related to the translation table, and you see from  
2 the statute that the translation table was really  
3 provided to provide you with guidance and to act as  
4 a reference to you around research methods that  
5 were most likely to address each specific research  
6 question posed.

7           So, to date, the Methodology Committee  
8 proposed a translation framework, and I'll just go  
9 ahead here, just to refresh your memory, that  
10 provided a logical flow in terms of generating a  
11 question, evaluating the evidence that's been  
12 synthesized around that question, framing it in a  
13 PICOT framework, making sure that it was a priority  
14 for stakeholders and patients, and then identified  
15 a number of intrinsic characteristics and extrinsic  
16 characteristics by which you weighed the importance  
17 to make a determination of the design and methods  
18 that are used and the study selection.

19           So, the Methodology Committee had worked  
20 on a number of approaches to a table and -- a two  
21 by two table or a flat table was not something that  
22 was incredibly helpful. We evaluated the use of

1 some algorithms and came to consensus on an  
2 approach that used these intrinsic and extrinsic  
3 factors to help weigh the importance of each design  
4 and method.

5           So, under discussion at the meeting on  
6 Wednesday will be an approach to a next step to  
7 come to consensus on the best way to be helpful in  
8 terms of helping the Board on recommending design  
9 and methods.

10           Another initiative that the Methodology  
11 Committee has been involved in, and this was  
12 another initiative that was intended to help PCORI  
13 in terms of methodological guidance was in the  
14 PCORnet and there were two areas that the  
15 Methodology Committee supported to move forward on  
16 to provide some methodological expertise to PCORnet  
17 and that was in terms of distributed analysis and  
18 the second being on the topic of missing data that  
19 I'll mention.

20           So, to date, Sebastian has led a group to  
21 evaluate these methods and distributive analysis  
22 and there will be a workshop in the fall --

1 actually, I think it's December, but a date will be  
2 forthcoming, to work with experts in terms of  
3 identifying those issues, those methods issues, and  
4 there will be a dynamic relationship between this  
5 PCORnet methods group and the Methodology  
6 Committee, not only to provide expertise for the  
7 Methodology Committee, but also to identify areas  
8 where we might be able to develop additional  
9 standards that might be helpful.

10           The second area was led by Sally Morton  
11 and, as I mentioned, handling missing data and  
12 inconsistent data, and that group is a little --  
13 not as far ahead as Sebastian's group and there is  
14 an expert committee forming to refine their scope  
15 of work.

16           Other updates related to the Methodology  
17 Committee, there is also a development of a plan to  
18 host a workshop in decision science. That will be  
19 held in November of 2014. The second issue, the  
20 Value of Information RFI announcement was released  
21 in July to collect input from stakeholders  
22 externally and a public webinar was held in August

1 with final input due related to Value of  
2 Information September 5, 2014.

3           And then the last update, being we are  
4 awaiting announcement from the GAO regarding  
5 appointment of new Methodology Committee members.  
6 We had four openings that were related to Sherine  
7 Gabriel, Sharon-Lise Normand, John Ioannidis, and  
8 Al Berg, and so we miss them terribly. So, we are  
9 waiting patiently for the next group of Methodology  
10 Committee members that will be appointed by the  
11 GAO.

12           So, let me stop there and, David, any  
13 additional points you'd like to make?

14           DR. HICKAM: I think that was an excellent  
15 summary and really shows all the multiple sort of  
16 parallel lines of activity that the Methodology  
17 Committee has been pursuing this year.

18           VICE CHAIRMAN LIPSTEIN [Chairing]: So,  
19 this is Steve Lipstein. I'm substituting for Dr.  
20 Norquist, who stepped out of the room very briefly.  
21 Let me see if there are any questions. Harlan?

22           DR. KRUMHOLZ: Thanks very much. I have

1 three quick comments, one is on the Value of  
2 Information. Are you going to be -- the  
3 Methodology Committee going to be applying the best  
4 methods of Value of Information to our own  
5 portfolio in informing us about what your thoughts  
6 are based on the criteria that you developed?

7 MS. NEWHOUSE: So, I would say that if  
8 that's something you'd like the Methodology  
9 Committee to do, that that would be something that  
10 we would be interested -- we've had a number of  
11 conversations about how VOI would be used and  
12 actually if you would like us to generate criteria,  
13 we absolutely will.

14 DR. KRUMHOLZ: I'm just throwing this out  
15 just for -- in the ether for us to think about. If  
16 we're going to invest in a Value of Information  
17 announcement, if we're saying this is the kind of  
18 way that people should be thinking about research,  
19 at some point we should submit ourselves to this  
20 kind of evaluation. I don't know when it should  
21 occur, but I'm just thinking if it's deemed, based  
22 on this investment, that this is a good approach,

1 then we ought to be willing to submit ourselves and  
2 actually probably ask our colleagues at AHRQ and  
3 NIH whether they'd be test use cases for some of  
4 this in some circumscribed areas to try to figure  
5 out how we're going to get the common parlance, how  
6 we would bring this in and evaluate ours and  
7 theirs. Just as a quick point.

8           The second thing is I also think you guys  
9 have got a lot to do, but in terms of  
10 prioritization, it would be interesting to ask  
11 whether or not the Methodology Committee could give  
12 us some guidance about how we would peer review  
13 content articles or results of grants against the  
14 criteria that they've developed. What kind of  
15 tools do we need?

16           Again, when I say this, it doesn't mean  
17 that you guys should actually be doing the day-to-  
18 day work, but that you might commission somebody to  
19 do work under your guidance and that we would  
20 probably benefit from your perspective on how do  
21 you do this, because you've now set the criteria.  
22 How would we evaluate whether someone's complied



1 and what are the calipers that we use? I mean, if  
2 they're within plus or minus -- if they're close,  
3 is that good enough or are we going to be really  
4 exact that they've got to follow the letter of the  
5 guidance? And to what extent -- how is it  
6 transformed from a guidance document to one that's  
7 actually an accountability document? And that's  
8 where we deal with all this time in performance  
9 measurement. It's one thing to put out guidelines,  
10 it's a whole other thing to hold people  
11 accountable.

12           And I think what we've got is a situation  
13 where we've got great guidance. How are we going  
14 to use that for accountability? It seems like  
15 we're mandated to. And it would be really good to  
16 get the Methodology Committee's input into how that  
17 transition occurs.

18           MS. NEWHOUSE: So, Harlan, when you talk  
19 about accountability, are you talking about the  
20 standards or are you talking about peer review  
21 process?

22           DR. KRUMHOLZ: The one that we talked

1 about earlier today that we're going to need to  
2 undertake, that we were legislatively mandated to  
3 do prior to -- as part of the reporting piece, and  
4 just saying funneling in the wisdom of the  
5 Methodology Committee and the larger community,  
6 crowd sourcing further, but how you guys can  
7 catalyze that might be very useful.

8           And then my third, and I know you've heard  
9 this and I'm just saying it for the Board, I  
10 thought that at this time we would already have  
11 materials that we'd be disseminating that teachers  
12 across the country could be integrating into their  
13 course work and at various different levels if  
14 people wanted to learn about PCOR and CER. I  
15 thought the Board endorsed that in the strongest  
16 possible terms that we thought this was critical  
17 for us to accelerate the dissemination of the work  
18 of the Methodology Committee both to honor the work  
19 that they had done and in recognition of its depth  
20 and strength, and I want to know what we can do --  
21 so, at this point we don't have that yet. I know  
22 we have a contractor, but it's not clear to me

1 what's being put out.

2           So, I'm just saying on an accountability  
3 basis, when would we expect to be able to  
4 distribute not to people like all of us might want  
5 to teach and that we would benefit from those  
6 materials, but for people who aren't in the midst  
7 of it but would like to be able to integrate it in  
8 every school of public health and in every medical  
9 school and in every nursing school and so forth  
10 throughout the country, where -- how do we take  
11 what you've done and now turn that into it? And,  
12 like I said, I thought that we had expressed that,  
13 but maybe we hadn't expressed it clear enough  
14 because it seems to me like now's a good time.

15           DR. HICKAM: Yes, we're very aware of that  
16 request and we're looking to move those kinds of  
17 materials out to the general public this fall. I  
18 think that was on one of the slides.

19           DR. KRUMHOLZ: But what exactly are you  
20 moving out and when?

21           DR. HICKAM: Well, the model is a couple  
22 of things, one is sort of additional text matter

1 that really provides sort of further sort of  
2 contextual interpretation of the standards and then  
3 the companion pieces are slide sets and sort of  
4 curriculum notes or guidelines that could help  
5 people to know how to use those materials. It's  
6 kind of a user's guide idea, but in terms of what  
7 would people actually use in a course, you know,  
8 we're sort of reviewing that the slide sets would  
9 be one important piece of that and we certainly  
10 would be interested in other suggestions that you  
11 might make.

12 DR. KRUMHOLZ: Well, let me just reiterate  
13 what I thought I had suggested at the prior  
14 meeting, which is that these might be good and  
15 necessary, but I don't think they're sufficient.

16 And, you know, it's hard work to develop a  
17 curriculum and my thought was that we would  
18 commission somebody who would help us create it  
19 based on the work that had been done and in concert  
20 with the Methodology Committee education goals to  
21 say, here are three potential curriculums that can  
22 be taught next year at the school of public health.

1           Now, each person, of course, at that point  
2 would tailor some of it, but I think a lot of  
3 people don't know quite -- these documents are  
4 daunting.

5           I mean, I've looked at them, they're like  
6 gold, but you've got to dig because they're not  
7 completely accessible to people who aren't in the  
8 field. You know, you guys did a great job to the  
9 extent that you could, but I mean, I think the  
10 translation for the use by teachers tools, not just  
11 slide sets, but actually setting goals and having  
12 material expectations, what might potential  
13 curricula look like, how might you cover it, people  
14 would mix and match that as they want to do it.

15           And I neglected to suggest every  
16 chiropractor school in the country as well, that's  
17 an important place to go, but every healthcare  
18 professional area, I think, would benefit from more  
19 knowledge about PCOR and CER. We're only going to  
20 make progress if we can go to our schools and say,  
21 hey, here's a ready-to-go curriculum that's built  
22 on the very best science and that's going to evolve

1 over time.

2           But I'm just saying, this is about the  
3 translation. Larry, you're always bringing up  
4 translation. How easy are we making it for people  
5 to pick this up? And I really think we've got to  
6 work hard and I don't think it can go beyond the  
7 backs of staff. I mean, we've got to be able --  
8 you know, you've got to orchestrate this, but we've  
9 got to bring in people who can provide and develop  
10 these products.

11           Right, Harlan Weisman? I see you. I know  
12 you're engaged about this. This is one of your  
13 issues.

14           [Off microphone discussion.]

15           CHAIRMAN NORQUIST: So you're passing it  
16 back to me now. Okay. So, clearly, it hasn't been  
17 done. There's no reason -- wait, wait.

18           [Off microphone discussion.]

19           CHAIRMAN NORQUIST: So, clearly, it hasn't  
20 been done, it needs to be done, there's no reason  
21 that we can't contract this out. I mean, it's an  
22 easy -- I mean, there are plenty of people who

1 develop these kind of curricula and stuff like that  
2 that we could hand it to under the guidance,  
3 obviously, of the Methodology Committee. So, how  
4 long does that take? You could put this to  
5 somebody now who could do this within a month.

6 DR. KRUMHOLZ: And I want to say, I know  
7 that you haven't been standing still and it's hard  
8 to be sitting up there, so this is -- I want to  
9 acknowledge that staff has been working hard. I'm  
10 just trying to -- I think our job is strategy and  
11 prioritization and I'm just trying to say, on the  
12 Board -- and I'm curious to what my other Board  
13 members think -- it's not that you guys haven't  
14 been implementing, but I just want to say, this  
15 particular piece, I think, is a means to spread if  
16 my other Board members --

17 CHAIRMAN NORQUIST: Let me say that I did  
18 have a conversation with Robin about this and  
19 asking the Methodology Committee -- which I think  
20 on Wednesday when you meet you're going to go back  
21 through the implementation strategies and  
22 prioritize those, because that also had not been

1 quite honestly done. The staff has been very busy.  
2 We understand that. People miss the priority, but  
3 to me, this is an easy one that you don't even have  
4 to -- you know, you don't have to say, well, we  
5 don't have that -- we could easily contract this  
6 out on some of them.

7 Now, Sharon is waving furiously over here.

8 DR. LEVINE: So, I think someone said  
9 earlier today, we can do it fast or we can do it  
10 right, and I want to quote one of our panelists who  
11 said, nothing about us, without us, and I don't  
12 think you can do this in isolation from teachers  
13 who actually have to teach it. So, I don't think  
14 it's as simple as getting some educational  
15 consultant to be handed some material and craft a  
16 set of slides or whatever.

17 CHAIRMAN NORQUIST: Well, I think it  
18 depends on who -- I mean, I've seen this done  
19 before. It depends on the group to whom you go.  
20 If you just to go to some, yeah, right, I mean,  
21 some of these groups have teachers that are  
22 involved with them.



1 DR. LEVINE: Well, I'm saying that  
2 involving people who are going to be teaching this  
3 work in embedding curriculum design before saying  
4 here it is as a finished product.

5 CHAIRMAN NORQUIST: I guess my point is,  
6 I'm trying to take the burden off the staff right  
7 now and try to -- because we have funds that we  
8 could do this -- the appropriate group to do it  
9 correctly, I think, because it is something that we  
10 agreed we would do and it's clear the staff have a  
11 lot going on and it might be a good idea to think  
12 about who would be best for this with all the  
13 caveats and stuff so that we could get it done, but  
14 get it done expeditiously.

15 Because, I agree, I mean, I think we want  
16 to get these Methodology Standards out as broadly  
17 possible as we can to be used in stuff because  
18 that's a part of what we're supposed to do is  
19 change the way research is done, right?

20 So, I think that's a good point. Okay.  
21 So, Joe, you and I talked about this, but we should  
22 be able to --

1 DR. SELBY: Yeah, I would just ask you to  
2 ask us the same question in November. We will have  
3 a much more fleshed out --

4 [Simultaneous discussion.]

5 DR. SELBY: We couldn't agree more with  
6 Harlan.

7 CHAIRMAN NORQUIST: Okay. Steve, I don't  
8 remember what order we were going. We'll go with  
9 Allen.

10 DR. DOUMA: Great. Yeah, I sympathize  
11 with Harlan. I've been part of a communication  
12 with him about this and I think it's important, but  
13 I'm more broadly concerned about the slow pace.

14 The guidelines were available a couple  
15 years ago and one of the reasons that we're going  
16 slowly, and it's bit by bit, and we can answer this  
17 question, but there are another ten other questions  
18 that need to be incorporated into formal  
19 communication plans and by formal I mean that we've  
20 identified all the audiences, what we want each  
21 individual audience to do as a result of our  
22 communication, and then determine what's the best

1 way to deliver the information motivation for  
2 people to make those changes and have a formalized  
3 list of those things, each one of which takes a  
4 development process. You can't do them  
5 sequentially. You'll always be catching up. And  
6 that's the beauty of communication plans; it  
7 identifies everything at once. And so I would hope  
8 -- by November, it would be great -- if we actually  
9 had a formalized communications plan that we can  
10 then reference and put timelines in and know what  
11 the expectations ought to be.

12           CHAIRMAN NORQUIST: All right. Thanks.  
13 We've blown through our break, which we will need  
14 to take. We have five and we do have a very  
15 important topic after this, which is about our  
16 health systems portfolio too, which we want to  
17 cover too.

18           So, we can hopefully move quickly through  
19 these. Joe, are you still up for saying something  
20 or you just have your -- all right, now we're down  
21 to four. Leah?

22           MS. HOLE-MARSHALL: Thank you for the

1 presentation. It's great and I'm just so very  
2 pleased with our progress on implementing  
3 Methodology Standards.

4           The ones that we have now, as I continue  
5 to understand them, are basic or minimal standards.  
6 So, as we think about peer review, and I would  
7 really appreciate the Methodology Committee's  
8 perspective on this and hope that as you're  
9 prioritizing, we can think a little bit about -- to  
10 help us think about it, I hadn't thought of our  
11 peer review process as yet another check on whether  
12 researchers are adhering to basic standards that as  
13 a community we've all agreed are basic standards.

14           And so, while I agree that it's in the  
15 statute and needs to be addressed in some way, I'm  
16 hoping that we do that at the contract initiation  
17 or monitoring phase, and if we don't have an easy  
18 way to do that now, I'm hoping that you all will  
19 agree that it's important and help us figure out a  
20 way to do that, because I don't think we should  
21 wait until peer review to find out that the  
22 standards weren't followed and especially given

1 that they're minimal standards. So, that's my plea  
2 in terms of prioritization.

3 And, again, not that it's all on your  
4 shoulders, but I would really appreciate the  
5 feedback from the experts about how we might do  
6 that and do that efficiently.

7 MS. NEWHOUSE: Yeah, I would say we have  
8 good news. We just caucused and I'm going to let  
9 David -- and if he doesn't say everything I was  
10 thinking, I'll chip in.

11 DR. HICKAM: Well, I think we really have  
12 made a lot of progress over the last six months and  
13 we really now do have a well-trained staff that  
14 does do the review of the standards up front before  
15 the contracts are initiated.

16 I also would sort of repeat myself of what  
17 I said earlier. That review does identify issues  
18 that need to be followed up on and I think the  
19 other good piece of that is that we have sort of a  
20 system for following up on an ongoing basis on the  
21 issues that were identified.

22 CHAIRMAN NORQUIST: Thanks. Arnie? Oh.

1 MS. NEWHOUSE: I just want to mention the  
2 time that it took for the time that it took for the  
3 PCORI staff actually to develop tools to evaluate  
4 the proposals, to test them, to figure out that  
5 they had to prioritize with the focus on first, to  
6 make sure that it got everything that they needed  
7 to report back. So, that actually, I think, was  
8 part of the capacity building that took an amazing  
9 amount of time that was unexpected.

10 DR. GOODMAN: This is Steve. Can I just  
11 add something here?

12 CHAIRMAN NORQUIST: Sure, Steve.

13 DR. GOODMAN: I just want to mention that  
14 this is also exactly the function of the  
15 methodologic review or consultation process, which  
16 is to have methods experts, a team of them, look at  
17 these proposals at the submission stage after  
18 preliminary merit review and make sure that not  
19 only are basic standards met, but even higher  
20 standards that we would want for our research to  
21 meet.

22 So, that is precisely the goal and

1 function of that process.

2 CHAIRMAN NORQUIST: Thanks, Steve. Arnie?

3 DR. EPSTEIN: I want to speak in the  
4 context of the fact that I get to do something,  
5 which not everybody in the room does, I teach on  
6 health service methods and I found myself thinking  
7 that Harlan was really on to something when he  
8 thinks that that's a way to really inculcate and  
9 spread this, and I was thinking about what I'd like  
10 and it really comes off what Leah's comment is  
11 also.

12 The standards tend to be minimal  
13 standards, do this, do that, and it would be great  
14 to take that material and embed it in three to five  
15 lectures, two-hour sessions a piece, for PCOR of  
16 here's how you approach PCOR and think of the major  
17 ways we do it be it surveying, be it so forth, and  
18 then build in, as part of that context, is what a  
19 teacher would really like.

20 So, that's really just a really friendly  
21 amendment to say I think you're on to something  
22 wonderful. It's a great idea. This is not easy.

1 It won't be done by November and it will be -- you  
2 need somebody who's a teacher, you need, obviously,  
3 a methodologist, you probably --

4 CHAIRMAN NORQUIST: We might need someone  
5 in government. Yeah. They could be chief.

6 DR. EPSTEIN: I know I deserve that, but  
7 you don't have to give me everything I deserve.

8 MS. HOLE-MARSHALL: Also, free continuing  
9 medical education is a powerful tool. Free  
10 continuing medical education, if we could find  
11 someone to partner with us.

12 DR. KRUMHOLZ: There's no reason why we  
13 wouldn't ultimately want to do a Coursera or other  
14 online courses that would allow people around the  
15 world to pick up this stuff. I mean, once you  
16 start -- there's an appetite for this, plus, as we  
17 give out grants, people need to learn about it,  
18 plus, if we build it for patients and for health  
19 professionals at a wide variety of levels, then  
20 people can pick it up like that. I mean, the  
21 demand is going to be there.

22 The CTFAs are -- I think it's largely



1 related to what's going on in PCORI -- are  
2 requiring now patient engagement and PCOR to be  
3 part of the applications that are going to be  
4 coming in starting in December. There are large  
5 numbers of people who are smart people but are  
6 ignorant yet of the basic principles by which the  
7 Methodology Committee has laid down. And so we  
8 need easy ways for that to flow forward. The  
9 courses are one, but all sorts of things --

10 CHAIRMAN NORQUIST: Right. So, we're all  
11 very excited about education here, right? So, we  
12 will get to that. I wouldn't let him off the hook  
13 on November. If you don't keep a deadline, then it  
14 will go longer than that. Okay. I agree with you,  
15 it's probably going to take longer, but we're going  
16 to hold them to reporting on it in November. Gail?

17 MS. HUNT: Gail Hunt. I just wanted to be  
18 sure that there's a demand for this education and  
19 that it's not just an idea that we're coming up  
20 with because we think it's so exciting and --

21 CHAIRMAN NORQUIST: I think there's a  
22 demand. I think all of us who teach --

1 DR. EPSTEIN: Harvard put together what's  
2 called a MOOC, which is a massive online voluntary  
3 course; they had something north of 60,000 students  
4 take the course.

5 CHAIRMAN NORQUIST: I mean, and if you do  
6 this --

7 DR. EPSTEIN: It's huge.

8 MS. HUNT: [Off microphone.]

9 DR. EPSTEIN: Sorry, statistical methods  
10 for research.

11 MS. HUNT: Okay.

12 DR. EPSTEIN: Two good teachers put it  
13 together. They follow homework.

14 CHAIRMAN NORQUIST: I wouldn't worry about  
15 the demand. There's plenty of demand for it. Yes,  
16 Rick?

17 DR. KUNTZ: Just real quickly. I'm going  
18 to make some methodological geeky statements that  
19 -- Rick Kuntz here on the Board. You know, I  
20 thought the initial idea about the PPRN and the  
21 CCRN was to take established researchers with  
22 established methodologies and put them -- you know,

1 novel connection between patients who had very  
2 interesting patient-centered questions, and while I  
3 was very impressed by the ambition of the initial  
4 panel there, I thought that what they were doing  
5 was actually novel methodology and novel patient  
6 part.

7           It appears to me things are in flux here.  
8 So I want to make sure that your methods group is  
9 following this very carefully, but the idea of  
10 potentially doing the first throw network by  
11 leveraging EHR records and claims data to do  
12 research is not what I would call traditional  
13 research methodology. I would say that the way to  
14 do it is to actually have established networks  
15 using case report forms and typical methods to work  
16 with patients to get data out there faster.

17           But too many experimental methodologies  
18 and ways of combining patients' research, I think,  
19 is too much flux and I think what I'd like to know  
20 is, are you really engaged with the CCRNs with  
21 respect to them hitting the ground ready,  
22 methodology that's going to be ready for

1 publication and methods that have high levels of  
2 quality, completeness of ascertainment, and  
3 standards that are used for publication?

4           So, again, I don't want to distract from  
5 any of the enthusiasm that I saw earlier today, and  
6 I think it's really great, we need that kind of  
7 research going forward, but we want to make sure  
8 that we have the first set of the network usable  
9 research methodology that will get out the door in  
10 18 months, 20 months, 24 months or whatever.

11           So, while it's not very popular to say  
12 that, I just want to make sure that we have at  
13 least some parallel processes in place that use  
14 traditional methodologies for research and data  
15 acquisition. And, again, not to undermine the  
16 extremely interesting, ambitious role to get data  
17 from other sources -- too many experiments might  
18 end up with no research at all.

19           CHAIRMAN NORQUIST: Thanks. Okay, Robin?  
20 Anything really critical? Because we're way over  
21 our time here and I'm trying to get us back on  
22 track?

1 MS. NEWHOUSE: No, thank you. I would  
2 say, great feedback and we look forward to  
3 reporting in November.

4 CHAIRMAN NORQUIST: Thank you very much,  
5 Robin. And thanks to the staff and to the  
6 Methodology Committee. Ten minutes and then we're  
7 back and we'll have to make the next section go,  
8 but it's an important section also. Thank you.

9 So, for people on the phone, we're taking  
10 a 10-minute break and we'll be back in 10 minutes.

11 [Recess.]

12 CHAIRMAN NORQUIST: Okay, it's time to  
13 start back. Joe? Okay, the next section -- we're  
14 going to start. You ready? Gail's here. You're  
15 ready to go.

16 So, the next section is on improving the  
17 Healthcare Systems Program, and basically what  
18 we're doing here is Steve -- they'll come in.

19 Steve, why don't you go ahead and sit down  
20 and we'll -- all right, I'm going to try this  
21 again.

22 So, the Improving Health Systems Program,

1 what we're doing here is Steve is going to talk  
2 about the program from the PCORI perspective.

3 We've asked Rick Kronick to come and give  
4 us his perspective on what AHRQ is doing. Once  
5 we've got these discussions from both, then we want  
6 to have a general discussion about what our niche  
7 is in this area, what do we think we should be  
8 doing a la what AHRQ is doing and perhaps others.

9 Okay, so, Steve, I'll let you go.

10 DR. SELBY: So, if I could just say one  
11 thing first and that is that from the day that Rick  
12 Kronick arrived at AHRQ, we began conversations  
13 about the respective roles of AHRQ and PCORI. It's  
14 an area that really needs to be articulated well  
15 for a lot of audiences, people across the country  
16 ask, you know, what do you do and what does AHRQ  
17 do, and particularly since, as Rick was saying this  
18 morning, Congress transferred the responsibility  
19 for CER to us and really made it very clear that  
20 dissemination and implementation, among many other  
21 responsibilities, lies with AHRQ.

22 And there is no -- so, we meet really

1 quite regularly and lately Jean Slutsky and I have  
2 met with Rick and Bob Kaplan from AHRQ at least  
3 monthly to discuss these issues, and there's  
4 nowhere where the potential for confusion is  
5 greater than with our Improving Healthcare Systems  
6 program and with the work that AHRQ does. So, it's  
7 fortuitous, but ultimately you could say it was  
8 planned after we realized that it was happening,  
9 that Steve Clauser, who joined us in January as the  
10 Program Director for Improving Healthcare Systems  
11 Program, he came from NCI where he did a similar  
12 kind of work around systems and quality and  
13 performance in cancer, will talk about how we apply  
14 the CER framework to Improving Healthcare Systems.

15 Rick will talk about the PCOR Trust Fund  
16 Portfolio and its emphasis on quality and safety  
17 and dissemination and implementation, then I think  
18 we could really have a fruitful discussion about  
19 what we see as our role and how, in fact, we do  
20 work closely with AHRQ to complement and not  
21 duplicate.

22 So, thanks to both of you for being here

1 to present today.

2 MR. CLAUSER: Well, thank you, Joe, for  
3 that introduction. I just want to say that in the  
4 interest of time to help us get going, there are  
5 some examples in my slide deck that were made  
6 available to the Board before. I'm going to kind  
7 of go through those fairly quickly and if there are  
8 questions, I'd be more willing to talk about that  
9 at the conclusion of the presentation or after  
10 Rick's presentation.

11 What I'm going to do today is talk a  
12 little bit about who we are, our staff, the goal  
13 we've set for improving healthcare systems research  
14 as well as some of the conceptual underpinnings of  
15 that research, trying to respond to what Joe was  
16 talking about in terms of how we actually do our  
17 work, and then talk about what we do in terms of  
18 both investigator-initiated contracts we've awarded  
19 as well as more stakeholder-driven priorities that  
20 are now taking a lot of our time in recent months,  
21 and also a little bit about what we've learned,  
22 we've had a few projects that have gone into the



1 second year of operations and a few of our  
2 operational observations from that viewpoint, and  
3 then where we're going, at least in the next 12  
4 months, to try to improve the overall effectiveness  
5 of our program and supporting the PCORI scientific  
6 mission.

7           This is our Improving Healthcare Systems  
8 team, we're small but we're highly dedicated to  
9 advance our IHS goal statement. I'm not going to  
10 read this specifically, you can kind of look at it  
11 on the slide, but I want to make two points about  
12 it, which I think are important.

13           First of all, when you think about other  
14 kinds of programs that sponsor health systems  
15 research, our program is very distinctive in the  
16 fact that everything we do is comparative  
17 effectiveness research, that is, interventions  
18 either compared head-to-head to another  
19 intervention or compared to well-defined usual  
20 care, and second, that these interventions are  
21 targeted to improve outcomes that matter to  
22 patients, and that really is the patient-centered

1 focus of the research in our program.

2           This slide really acknowledges our  
3 research program, that help organizations intervene  
4 on multiple levels of the health system to try to  
5 improve those outcomes that are really important to  
6 the patients that they serve. Our portfolio is no  
7 different than that and if you look at the middle  
8 column, I've laid our funded studies by where in  
9 that particular level their particular project is  
10 focusing their intervention.

11           And I think there's three take-home  
12 messages from this particular slide, first of all  
13 that about two-thirds of our funded projects either  
14 focus on interventions directed at the provider or  
15 healthcare team or the organization and practice  
16 setting; second, the topics that are typically used  
17 in our portfolio really cluster around two types,  
18 one, our projects that are targeted towards  
19 individuals with chronic diseases, in fact, often  
20 multiple co-morbidities. Those are the complex  
21 patients whose goals healthcare systems really have  
22 a challenge in supporting, and also a lot of care

1 transition projects where we were looking at the  
2 challenges of moving patients from one delivery  
3 setting to another throughout an entire episode of  
4 care. And finally, one thing I think that's  
5 important to note about our projects is that most  
6 of the comparators, as you can see in those  
7 examples, are really interventions compared to  
8 well-defined usual care. These are the majority of  
9 the comparisons that are currently done in our  
10 program.

11           We have been working with our Improving  
12 Healthcare Systems advisory panel over the last  
13 couple months to begin developing a strategic  
14 framework to help communicate more effectively to  
15 the investigator community and to other  
16 stakeholders exactly the kind of work that we do in  
17 our program. This is a work in progress, but I  
18 think it's helpful to try to illustrate what we're  
19 doing.

20           On the left hand side, that box deals with  
21 the foundation for our research and that is the  
22 nature of the evidence-based interventions that are

1 used in studies. These interventions must be  
2 evidence-based and they reflect four different  
3 categories of intervention types ranging from  
4 technology to personnel and workforce, to  
5 incentives, and organization structures and  
6 policies.

7           And then if you go on the far right, the  
8 other distinctive feature is that these  
9 interventions are supposed to be targeted to  
10 improve those outcomes that matter to patients, and  
11 that typically goes beyond some traditional health  
12 systems quality improvement research, it looks at  
13 things like utilization and mortality to also look  
14 at patient-reported outcomes, those outcomes that  
15 deal with care experiences, deal with physical and  
16 emotional functioning, issues that are very  
17 important to patients in characterizing their  
18 experience in receiving healthcare from health  
19 organizations.

20           And because we are a health systems  
21 research organization, all applicants that make  
22 application to our program really have to identify

1 what is the system failure that your intervention  
2 is designed to address to improve these outcomes  
3 and how, in the course of those comparisons, will  
4 we learn that practice will in fact be approved  
5 around some of those characteristics of improve  
6 practice that we have listed on that middle slide.

7           And finally, I just want to say that this  
8 is a -- not a static process, it's a dynamic  
9 process in which patient and stakeholder engagement  
10 is throughout the whole research enterprise, which  
11 we hope will fundamentally alter the nature of the  
12 research to really improve outcomes that matter to  
13 patients, and thereby, change practice.

14           So, the distinctive components of our IHS  
15 studies are that we adapt our PCOR model for CER,  
16 beyond clinical treatment options to different  
17 levels of the healthcare system, but we require  
18 inclusion of well-articulated and valid comparators  
19 both for trials and studies using observational  
20 data. We focus on outcomes relevant to patients,  
21 including patient-reported outcomes, but we have  
22 active involvement of patients and other

1 stakeholders throughout the entire research process  
2 in studies that really are done in real life  
3 settings to try to maximize its potential for  
4 sustainability and scalability.

5           Now I'd like to shift gears and talk a  
6 little bit about our current portfolio, and do that  
7 in terms of it's now our current foundation in our  
8 IHS program. These are studies that have been  
9 funded to our IHS broad PCORI funding announcement.

10           These are the parameters of our broad PFA.  
11 They involve all studies, involve comparative  
12 effectiveness of alternative features of health  
13 systems, but the priorities that come from this  
14 announcement really reflect investigator interests,  
15 merit review assessment, and programmatic balance  
16 as we continue to build our portfolio.

17           IHS has participated in all five broad  
18 funding cycles that PCORI has supported and that  
19 has resulted in 48 investigator-initiated studies.  
20 Our investigators are now working in 17 states and  
21 the District of Columbia, and accumulated about --  
22 a little over \$90 million in awarded projects.

1           A word about our study designs, almost  
2 three-quarters -- if you look on the left in the  
3 larger circle -- about three-quarters of our study  
4 designs are randomized clinical trials and of those  
5 a little over half are multi-site trials, and if  
6 you look at the smaller circle on the right hand  
7 side in the green quadrant, you can see that about  
8 a third of those studies are cluster, randomized  
9 designs.

10           We have found it useful to kind of  
11 distinguish our portfolio by the IHS projects that  
12 really target single system interventions versus  
13 those that deal with multi-component interventions,  
14 and this slide shows that a little less than half  
15 of our projects really are focused on single system  
16 interventions and comparisons related to the PCOR  
17 research.

18           Of those 22 projects, a little more than  
19 half are focused on organization structures and  
20 policies. These are projects that are really  
21 focused on clinical redesign, such as the  
22 development of multi-disciplinary teams to try to

1 improve comprehensive treatment planning and  
2 treatment follow through, or projects that are  
3 collaborative care models where behavioral health  
4 is brought into work in primary care disciplines.

5           Now, the next cluster of projects on the  
6 right hand side in the green box are technology  
7 projects. They tend to be of two types, projects  
8 that really involve web-based interventions of a  
9 variety of type which really try to engage patient  
10 communication, engagement, or access to information  
11 or services in a health system, or telemedicine,  
12 which oftentimes is bringing specialty care to  
13 individuals who live in rural areas.

14           And finally, our personnel interventions  
15 tend to be projects that really kind of augment  
16 existing clinical systems by adding such things as  
17 patient navigators to facilitate access for  
18 patients to information or services that are  
19 difficult for them to obtain.

20           Like I said, there are a couple examples I  
21 have here, one on organizational interventions and  
22 another one on technology, which were in your Board



1 packet and they were just examples of how these  
2 projects were utilized to support the work that we  
3 do, but I'd like to switch now to projects that  
4 have multi-component interventions, this is more  
5 than half of our portfolio, in which they tend to  
6 distribute into about half the projects being  
7 involved in technological interventions, whether  
8 it's web-based technology or even telemedicine,  
9 where additional medical personnel or patient  
10 navigators are brought to augment that intervention  
11 to facilitate patients or sometimes even clinicians  
12 in using that technology effectively.

13           Other types of interventions on the right  
14 hand side, in terms of organizational  
15 interventions, in multi-component research these  
16 tend to be interventions where the healthcare  
17 systems bring considerable more resources in the  
18 example such as additional personnel where they're  
19 doing such things as taking elements of the  
20 patient-centered medical home model and putting it  
21 into specialty care to look at the comparisons of  
22 specialty-based home care models versus other types

1 of comparisons.

2           And I also have a couple additional  
3 examples here. This one is particularly  
4 interesting because it is the only intervention  
5 that really focuses on the use of patient  
6 incentives as an intervention in our research, and  
7 the other one was just a note that we do have  
8 interventions that do deal with multi-component  
9 interventions where we can actually begin to  
10 disaggregate some of those interventions research  
11 to find out, are there aspects of the multi-  
12 component model that are really driving system  
13 change to see if, in fact, we might be able to  
14 settle for some less complex, lower intensity  
15 interventions that might accomplish a lot of their  
16 goals, and we would like to see more of these types  
17 of projects in our portfolio.

18           That was the -- kind of a brief overview  
19 of the work we have done in our PCORI broad funding  
20 announcement, now I'd like to shift gears and talk  
21 about our stakeholder-initiated priorities because  
22 this is an area where, I think, we're very

1 interested in expanding our research portfolio in  
2 the coming years, in particular because these allow  
3 the opportunity for larger, more impactful studies  
4 in health systems comparative effectiveness  
5 research.

6           The first project is called STRIDE, that's  
7 Strategies to Reduce Injuries and Develop  
8 Confidence in Elders. This is a Board-directed  
9 priority that PCORI is partnering with the National  
10 Institute on Aging and in June of this year we  
11 awarded a \$30 million five-year award to  
12 investigators who are really recognized as some of  
13 the real national experts in falls prevention  
14 research in the United States. We have -- it's a  
15 large trial, multi-cluster randomized trial of  
16 6,000 participants involving ten different sites,  
17 80 local practices, which really reflect the  
18 diversity of the types of health systems, the types  
19 of geographic context, and the diversity of  
20 populations within the elderly who are at risk for  
21 falls face across the United States.

22           The intervention is a nurse falls care

1 manager who works in collaboration with the  
2 individual's primary care physician using a bunch  
3 of evidence-based, individually tailored services  
4 to really tailor a program that really meets the  
5 unique needs of every individual that they are  
6 serving, and the comparator for this study is  
7 primary care, but primary care that's been enhanced  
8 to have formal falls risk assessment as well as  
9 evidence-based patient education materials.

10           The last example I'd like to propose is  
11 our effectiveness of transitional care initiative.  
12 This was a topic that was identified as a high  
13 priority by the IHS advisory panel and it really  
14 requests investigators to compare which  
15 transitional service clusters are most effective in  
16 improving patient-centered outcomes. It really  
17 reflects to a lot of systematic research that says  
18 we really do need to know exactly which types of  
19 service bundles and programs would really work for  
20 what types of patients under what types of  
21 contexts.

22           This is a large initiative, a \$15 million

1 study that will go to one awardee. We will be  
2 presenting tomorrow to the selection committee our  
3 funding slate on this and we hope that we will have  
4 an award to announce by the end of the month. And  
5 I just wanted to emphasize that we're very proud of  
6 this fact, that this is the first prioritized topic  
7 by a PCORI advisory panel to complete the entire  
8 targeted PFA process.

9           Finally, I just want to remind you that we  
10 do -- our program does participate in the pragmatic  
11 clinical studies PFA program. We have four  
12 specific defined priority topics that are included  
13 in that funding announcement that were vetted by  
14 our advisory panel and we're very hopeful that we  
15 will get some very large, impactful studies from  
16 this initiative to, again, complement our movement  
17 towards targeted and larger projects.

18           So, in conclusion, we have developed a  
19 portfolio of comparative effectiveness studies that  
20 really do include intervention comparisons to  
21 either head-to-head or with well-defined usual  
22 care, but we still have some work to do to continue

1 to improve this program.

2 I mentioned earlier that we do have a  
3 couple studies that have now transitioned into  
4 their second year of operations and some of the  
5 early lessons we're learning is that these studies  
6 are complex in health systems research, and the  
7 clinician and administrator buy-in is essential for  
8 these studies and it's especially important when  
9 these interventions involve clinical redesign, that  
10 are asking clinicians to do work differently than  
11 they have done before, and also, and this is not, I  
12 think, uncommon to a lot of other programs, is that  
13 accrual of understudied populations are challenging  
14 in these studies.

15 And I think one of the lessons we've  
16 learned is that we have to do much more closer  
17 contract management and proactive communication  
18 with investigators to minimize the risks of these  
19 studies falling behind.

20 And finally, I just want to identify some  
21 of the goals that we've kind of set for ourselves  
22 moving forward or over the next 12 months. First

1 of all, even though we are trying to move to  
2 larger, more targeted and impactful studies, we do  
3 value the work that is being done under our broad  
4 PCORI funding announcement programs and we have  
5 initiated a number of initiatives over the last  
6 year to really try to improve the applications we  
7 get and programmatic fit. For example, we have  
8 gone through two cycles of competitive screening of  
9 letters of intent to try to improve the overall  
10 competitiveness of applications to go to merit  
11 review.

12           We are enlarging our project applications.  
13 We now have a broad option in the program for  
14 people to solicit up to a five-year \$5 million  
15 broad PFA application and that is above the \$1.5  
16 million and three-year limitation that we currently  
17 have.

18           And finally, we have been trying to  
19 communicate areas of emphasis within our broad  
20 portfolio to try to steer our portfolio in ways to  
21 emphasize projects where we see needed gaps or  
22 particular areas that are of high priority.

1           And in addition to all this, we do want to  
2 continue working with the Methodology Committee and  
3 Clinical Trials Advisory Panel. We're very excited  
4 to hear about the work that is currently being done  
5 on cluster randomized designs as well as complex  
6 interventions, because as you heard before that,  
7 it's directly related to many of the studies that  
8 we support and sponsor in our program.

9           And finally, we want to develop new  
10 initiatives with other PCORI programs. We have an  
11 activity under way, for example, with  
12 Communications and Dissemination Research to look  
13 at the appropriate use of evidence in health  
14 systems and communication research that addresses  
15 programs like, for example, Choosing Wisely, and  
16 also begin conversations with PCORnet around the  
17 potential applicability of Health Systems Research  
18 in a network like that, taking advantage of the  
19 very exciting meeting we had at IOM recently to  
20 look at the prospects for thinking about  
21 comparative effectiveness research of rapid cycle  
22 improvement.



1           And finally, I just want to say that as we  
2 get to know our portfolio more, we'd really like to  
3 engage with our other funders around kind of  
4 clusters of IHS projects where we see potential  
5 implementation challenges that could be good areas  
6 for implementation research by organizations that  
7 sponsor that type of research and hopefully in  
8 doing so, in those collaborations, maybe identify  
9 other CER questions that we can benefit from in our  
10 own program development. Thank you.

11           CHAIRMAN NORQUIST: So, let's take a few  
12 questions here about our portfolio and then we'll  
13 let Rick talk about AHRQ's.

14           So, Rick Kuntz, you were up first.

15           DR. KUNTZ: Yeah, first of all, fantastic  
16 presentation and when I was watching your  
17 presentation I thought, you know, the problem with  
18 CER is that it's difficult to understand whether or  
19 not you need to compare a new therapy against a  
20 standard of care or actually compare to active  
21 therapies and there's always this issue about the  
22 fact that, you know, typically in industry we take

1 this kind of standard of care, which is so baseline  
2 that anybody can win if you do an intervention, but  
3 that's not really the question people are asking.

4           So, I looked your falls, if we said the  
5 standard of care is nothing at all, that's not  
6 really a nice study to do because we have a problem  
7 already identified, this is a problem we had to  
8 address, so you're looking at two active  
9 approaches.

10           It would be interesting to be able to put  
11 a framework together to say when you're doing CER  
12 that, number one, you would establish that whatever  
13 you call the standard is not acceptable, and that's  
14 why you're looking to active therapies, and then  
15 contrast active therapies with -- one is more  
16 intense than another, what are the intensities  
17 between them, because I think the two that you  
18 contrasted, one was a very intense therapy and one  
19 was a less intense therapy, but if we had a  
20 framework that said, okay, what are you getting on  
21 the CER part?

22           Number one, is there an established

1 baseline, is it acceptable, number two, are the  
2 competing therapies contrasted based on costs and  
3 so on, would be a nice framework to have and I  
4 think that when you look at your transition care,  
5 that was more of establishing kind of a standard  
6 that's out there by some practices versus a new  
7 intervention, and I think that we've become more  
8 familiar -- because you might be able to come up  
9 with a novel framework to put that together, but I  
10 thought the studies were great, it's just that in  
11 order for us to put it in context, it might be  
12 interesting to develop a general framework for why  
13 you pick certain -- you know, randomized therapies  
14 to conduct.

15 MR. CLAUSER: Yeah, most of -- as you  
16 know, most of the work that is in our portfolio  
17 really does come through our merit review process  
18 and we're working very closely to try to, number  
19 one, begin to be much more clear in our funding  
20 announcements about the specific kinds of research  
21 we want and we're working very closely with our  
22 colleagues that run our merit review program to try

1 to communicate those changes.

2           And I think, you know, as I mentioned,  
3 kind of our strategic framework was kind of an --  
4 beginning of an evolution of that and I think kind  
5 of where you're taking it to that level is  
6 something we definitely should consider and trying  
7 to give very clear guidance to the investigator  
8 community what we really want to look at in our  
9 program.

10           DR. KUNTZ: Basically I want to leverage  
11 your great work to see if you can develop a common  
12 general model and that would advance the field of  
13 CER.

14           DR. DOUMA: I want to thank you very much.  
15 It's exciting to see how you slice and dice and  
16 analyze your information and what you're doing,  
17 presumably to help you figure out what to do next,  
18 and that without that it's difficult to make that  
19 next decision.

20           But I want to ask a question, in  
21 developing new initiatives with PCORI, you have  
22 listed communication and dissemination, and in

1 listening to our discussion about the dissemination  
2 of the guidelines, would that be a project that  
3 AHRQ would like to get engaged with us in order to  
4 better disseminate guidelines?

5 MR. CLAUSER: I think that's an excellent  
6 question to ask Rick, you know, when he has his  
7 presentation about what work they are doing in  
8 guidelines, you know, I think that would really be  
9 for you to respond to when you're ready.

10 DR. LEVINE: Yeah, so it struck me, a  
11 quick question that the active intervention for the  
12 falls, is that a registered nurse as a falls  
13 manager?

14 MR. CLAUSER: Yeah, that could be either a  
15 registered nurse or even a nurse practitioner  
16 depending on, you know, what the site is willing to  
17 invest in.

18 DR. LEVINE: Right, so from the  
19 scalability perspective, that's going to be a very  
20 expensive intervention. I think you can predict  
21 that, you know, people know that the more intense  
22 and individually focused intervention, the more

1 likely it is to show benefits. And I guess it just  
2 makes me nervous when we think about scalability as  
3 something -- editorial comment, but in terms of  
4 being able to implement the subsequent findings  
5 should it produce what I would expect, which is we  
6 see an improvement in outcomes based on the level  
7 of intensity of intervention, potentially anyway.

8           But the other -- my other comment is about  
9 the portfolio. I think it would be interesting to  
10 look at this portfolio compared not to AHRQ or to  
11 NIH's portfolio, but to IHI, because an awful lot  
12 of what you've described are rapid cycle  
13 operational improvement projects that are going on  
14 in health systems around the country, integration  
15 of behavioral health, many of the topics that are  
16 in the compendium we saw are actually going on  
17 today as rapid cycle improvement projects in a site  
18 specific place.

19           So, I wonder whether there would be  
20 interest in looking and seeing who's doing these  
21 things right now.

22           MR. CLAUSER: Yeah, I think it's important

1 to understand that to me it would be great if the  
2 topics -- if we're taking high priority topics and  
3 those topics seem to be going around to  
4 organizations that have very different research  
5 functions. We are not in the business of doing  
6 quality improvement research. As I mentioned, our  
7 research is really comparators of interventions,  
8 head-to-head to other interventions or to well-  
9 defined usual care to really provide patients  
10 options and understanding which options of system  
11 innovations work for them and meet their needs, and  
12 that's very different than what --

13 DR. LEVINE: No, I understand, but what  
14 I'm saying is, are we certain that these projects  
15 are actually comparative effectiveness research  
16 rather than a reconfiguration of an operational  
17 improvement project that has, you know, years of  
18 experience in doing things one way, they change the  
19 way they're doing things, and they look at the  
20 outcome. It's not real comparative effectiveness  
21 research that's happening, but if it's close enough  
22 that it meets the standard that -- what this

1 portfolio is doing is meeting the standard of what  
2 I think we intended with improving health systems  
3 or is it to micro focused?

4 I don't -- it's a concern I have and I  
5 don't have an answer.

6 MR. CLAUSER: I think it's a very  
7 legitimate question to ask about the portfolio  
8 because as you saw on the one slide, you know, our  
9 projects are intervening at very different levels  
10 of the system to try to figure out, you know, which  
11 types of comparisons target at what level of  
12 intervention in the system is really going to lead  
13 to the best outcome.

14 The other point, though, the interventions  
15 that are in our portfolio, you know, they are  
16 evidence-based, they are based on some prior work,  
17 either pilot work that are well available in the  
18 community so, you know, they're building off work  
19 that has been previously done, but trying to do it  
20 in a very focused, experimental, rigorous setting.

21 DR. SELBY: So, Sharon, you're asking  
22 exactly the right question and I think it's a



1 question that we ask ourselves and it's a question  
2 that we ask in our meetings with Rick and Bob as  
3 well. The Board, in its wisdom, identified a  
4 priority for CER called Improving Healthcare  
5 Systems and we have been applying it for the last  
6 two plus years and it is a subtle distinction and  
7 we are wide open to working with the Board to  
8 refine our vision of comparative effectiveness  
9 research, how can CER apply to healthcare systems.

10 I'll just note that the IOM 100, 50 of  
11 them are systems-based questions and they took  
12 great pains to point out that much of CER should be  
13 about improving healthcare systems. The FCC CER  
14 did the same thing, said, by the way, this is not  
15 just treatment A versus treatment B in systems.  
16 But, you know, when you get to performance  
17 improvement, quality improvement, and what we do,  
18 we could use perhaps a better operationalization of  
19 how we select what we select and how we solicit  
20 what we solicit.

21 DR. LEVINE: Yeah, so I guess -- and I was  
22 one of the strongest advocates after Arnie insisted

1 we do this that this be part of the portfolio and I  
2 guess I'm struggling with -- and I don't mean this  
3 in a demeaning way -- small questions versus big  
4 questions. So, how -- you know, emergency  
5 department functions in this country are a  
6 significant thorn in terms of delivering patient-  
7 centered, high quality care and they have evolved  
8 over time. Emergency care has evolved over time  
9 based on a whole lot of factors.

10           You know, is there some way that -- is  
11 there some thoughtful approach to looking at the  
12 organization and design of emergency departments in  
13 the entire continuum of care that would somehow  
14 improve the functioning, the efficiency and the  
15 effectiveness and the extent to which people got to  
16 the right place to get the right care at the right  
17 time? To me, that's a big question that has  
18 national implications compared to should behavioral  
19 health services be collocated with primary care? I  
20 mean, that's kind of a no-brainer to me.

21           But, anyway.

22           DR. WEISMAN: Sharon, I'm really

1 struggling over what you said because usually -- I  
2 mean, you're so articulate and you just nail  
3 things. But I'm really --

4 [Laughter.]

5 DR. WEISMAN: -- not getting it -- aren't  
6 we supposed to be improving quality? I mean, isn't  
7 that improvements in the quality of care that leads  
8 to improved outcomes for patients in a patient-  
9 centered way? Isn't that what we're doing? I  
10 mean, isn't that what we're about? And this also  
11 seems like it would have -- that if you do this in  
12 the right way, and I have no idea what's big or  
13 small, I mean, that's part of what research is. I  
14 mean, maybe things that we think are small actually  
15 have bigger impact.

16 DR. LEVINE: I'm not saying I'm right.

17 DR. WEISMAN: No, you usually are. I'm  
18 doubting myself. But I like what he presented. I  
19 thought this was great stuff.

20 You're also -- you know what, you're in a  
21 health system that's less fragmented than most and  
22 maybe you don't experience what a lot of people

1 experience.

2 CHAIRMAN NORQUIST: All right, so we'll  
3 let -- Arnie wants to say something here and then  
4 we'll --

5 DR. EPSTEIN: Sure. So, I have the same  
6 question as Sharon and I wonder if we'll learn a  
7 little more after Rick speaks in this way. He's  
8 going to talk about a big project they're doing and  
9 the endpoints are HSR endpoints more than PCOR  
10 endpoints, but I think they don't have to be. They  
11 could be PCOR endpoints because PCOR is not so  
12 different than HSR at some root if you think about  
13 what's on the left hand side, and I think he's  
14 trying to do some stuff which is bigger and more  
15 imaginative than we've been able to do in part  
16 because he's going to make a bigger bet on it than  
17 \$2 million times 14 projects.

18 CHAIRMAN NORQUIST: So, let's let Rick --  
19 and then we'll come back.

20 DR. EPSTEIN: At the beginning and at the  
21 end.

22 MS. HUNT: While he's getting up, I'd just

1 like to second what Sharon said about scalability,  
2 the concern about scalability of the falls  
3 prevention.

4 CHAIRMAN NORQUIST: Oh, okay. Thank you.  
5 Okay, Rick.

6 MR. KRONICK: Thank you for the  
7 opportunity to talk about what AHRQ is doing, the  
8 portion of the Patient Centered Outcomes Research  
9 Trust Fund that comes to AHRQ, which as I'm sure  
10 you all know is 16 percent of the trust fund.

11 Before I go into this, just a kind of  
12 comment on the last discussion and kind of the  
13 points that Sharon raised, you know, we talked  
14 earlier in the day about the need to focus and  
15 there was kind of general agreement about the need  
16 to focus, although not agreement about focus on  
17 what, and I think the last discussion is  
18 interesting in that regard and it would be useful,  
19 I think, to come back to the question of whether  
20 the sorts of studies that we heard about are kind  
21 of part of the focus that makes sense, and I think  
22 part of the question for me is -- and this will get

1 more directly into the presentation I want to make  
2 -- is around imagining the pathway from the results  
3 of the studies to change the matter for patients  
4 and how the results of an IHS study will get  
5 implemented by health systems. Will it make any  
6 difference for them? And that's a really hard  
7 question to answer and I'm not going to answer it  
8 in the next 15 minutes with the work we're doing,  
9 but I hope we can come back to that.

10           So, I want to spend a few minutes on an  
11 overview of the agency, because some of you -- many  
12 of you are quite familiar with the agency but some  
13 of you may not be, and then talk about the work  
14 that we're doing in patient-centered outcomes  
15 research, which is only a part of what we do in the  
16 agency, about 20 percent if we look at the funding  
17 levels.

18           This slide is our mission, I'm not going  
19 to read through it, but we are an evidence  
20 producing agency, our mission is to produce  
21 evidence; to produce evidence for what? To make  
22 healthcare better and, you know, higher quality,

1 safer, more equitable, et cetera, and then it's got  
2 this long and kind of difficult parenthetical, and  
3 to work within HHS and with others, try to make  
4 sure the evidence is understood and used. I said I  
5 wasn't going to read it but I actually knew that by  
6 heart, I wasn't reading it.

7           And this is a reminder particularly to me  
8 and to staff that just producing evidence doesn't  
9 matter and the point is to try to make sure that  
10 this evidence is understood and used.

11           We are a relatively small agency, about  
12 \$460 million of annual budget, 300, more or less,  
13 FTE employees. So for a research agency we're  
14 really big, but in the context of the health  
15 system, obviously, we're very small. We do have  
16 lots of partners, particularly within HHS, but also  
17 outside, to try to make sure that the evidence  
18 really is understood and used.

19           We have four priorities -- quality,  
20 safety, access, and affordability. You know, it's  
21 this narrow agenda, and then we have kind of  
22 equitability scattered as part of all of these. We

1 don't have a separate priority on trying to make  
2 healthcare more equitable, but in each of these  
3 four areas we try to work and focus there.

4           Our grant activity in the agency is about  
5 \$170 million. It varies by year. You know, I said  
6 earlier, about \$460 million all together, so there  
7 is about \$70 million or so in program support that  
8 the combination of the two things that Regina  
9 showed earlier, administrative support and program  
10 management, so that's about \$70 million. The rest  
11 that's not in grants is in contracts, so we conduct  
12 the medical expenditure panel survey, which is a  
13 family of surveys, large household surveys, as well  
14 as a survey of employers.

15           We produce the healthcare cost and  
16 utilization project data, a data set that has  
17 information on 97 percent of every hospitalization  
18 in the country. We do a lot of contract work  
19 outside of the grant portfolio. You can see in  
20 this pie chart that the PCOR part of the grant  
21 portfolio is, in '15, estimated to be about \$66  
22 million, so a little under a third of the total



1 grants.

2           The purely investigator-initiated grants,  
3 about \$46 million, so this is a very broad funding  
4 announcement in which we say we're interested in  
5 safety, quality, access, affordability, provide a  
6 little bit more context around that and see what  
7 comes in the door, and go through a peer review  
8 process.

9           The other large segments here are grants  
10 that are targeted at producing evidence about  
11 improving patient safety and grants producing  
12 evidence about how health IT can be used to improve  
13 safety and quality, and these come in line items as  
14 part of our budget.

15           I am not going to go through this slide.  
16 It's got the four priorities in the four corners, a  
17 smattering of AHRQ activities in the rectangle with  
18 the activities trying to be somewhere closer to the  
19 priorities that they are directed at, although of  
20 course many activities are directed at producing  
21 evidence for multiple priorities.

22           So, just a couple of things to mention

1 here, I discussed MEPS, the Medical Expenditure  
2 Panel Survey, there's not a laser pointer but it's  
3 sort of down in the bottom, a very large activity  
4 in the agency, about \$65 million in contract work,  
5 again, it's a household survey of about 30,000  
6 households and it's the major source of information  
7 on what kinds of healthcare gets used by whom and  
8 how much gets paid for and the sort of "so what"  
9 that's used by many researchers and analysts and  
10 the Congressional Budget Office to try to figure  
11 out what's going to happen when subsidized health  
12 insurance is made available to people, and actually  
13 I think one of the sort of remarkable, unsung  
14 stories, is how close the CBO got to estimating  
15 what enrollment actually was in the context of  
16 tremendous uncertainty. You know, they use MEPS.

17           The CAHPS, the Consumer Assessment of  
18 Health Plan, in the sort of middle left, is a  
19 family of surveys that have been developed by the  
20 agency and now many other people to gather  
21 information from consumers about the experience  
22 that they have with physicians, hospitals, home

1 healthcare agencies, nursing homes, many other  
2 settings of care.

3           On the upper right, CUSP, the  
4 Comprehensive Unit Safety Program, I believe, is a  
5 set of contracts to implement in primarily  
6 hospitals, although we are expanding to nursing  
7 homes, evidence that's been generated about how to  
8 make healthcare safer. So, we funded, through  
9 investigator-initiated work over ten years ago,  
10 Peter Pronovost, who did work in the State of  
11 Michigan showing that, you know, very simple  
12 approaches to making ICUs safer could reduce  
13 central line infections, and this work, through the  
14 CUSP programs, and then more recently through work  
15 that CMS has done and the Partnership for Patients,  
16 that led to about a 40 percent reduction in central  
17 line infections.

18           We have more recently been working on  
19 catheter associated urinary tract infections, other  
20 surgical site infections, other kinds of adverse  
21 events. We are expanding this work, as I said, out  
22 of the hospitals into nursing homes and moving into

1 ambulatory settings, although much more difficult,  
2 particularly trying to work on diagnostic errors.

3           Let me move now to -- closer to what are  
4 we doing with the trust fund, but before I do that  
5 a couple slides on kind of history of AHRQ's  
6 involvement in comparative effectiveness research.  
7 So, the Medicare Modernization Act of 2003 created  
8 the effective healthcare program, under which the  
9 agency reviews -- systematic evidence reviews  
10 generates new scientific evidence, translated  
11 research findings into formats that patients and  
12 physicians and other clinicians would find useful.

13           ARRA provided a large infusion of funds  
14 for this program. I'm not going to go through this  
15 slide, but mention the second down on the left, the  
16 CHOICE program, and I mentioned earlier today in  
17 the closed session, you know, a couple of the  
18 findings that came out of that on corticosteroids  
19 showing that six weeks out -- and I think this is  
20 maybe the next slide -- that patients with lumbar  
21 stenosis who receive an injection of  
22 corticosteroids along with an anesthetic, don't

1 seem to be doing any better than patients who just  
2 received an injection of the anesthetic.

3           In a somewhat similar vein this week the  
4 New England Journal next week will be publishing  
5 the results of a study comparing ultrasound with CT  
6 scans for patients who present at the emergency  
7 room with kidney stones. These came out of the  
8 CHOICE work. That is work that we do not fund  
9 anymore.

10           So the steroid study -- PCORI is funding a  
11 follow on to that looking at what happens to  
12 patients 12 weeks out. That was work that was an  
13 important part of what the agency funded. With the  
14 establishment of PCORI Congress has said PCORI  
15 should fund that work and has said to the agency  
16 that they're not interested in us funding that  
17 work, and we were delighted that PCORI is doing  
18 that.

19           What are we doing? Well, we are charged  
20 with figuring out how to train researchers in  
21 conducting patient-centered outcomes research, and  
22 importantly, figuring out how to effectively

1 disseminate patient-centered outcomes research and  
2 to disseminate what is known to work.

3           We have four main activities in this area,  
4 training -- and I'll talk briefly about each of  
5 these, although more about the last -- we work on  
6 training, on producing systematic reviews, on  
7 translating what's known into something that can be  
8 used -- that will be useful for patients and  
9 clinicians, and then broad-based implementation and  
10 dissemination, which is -- all of these are hard.  
11 I think the last is the hardest.

12           Training, we fund an alphabet soup array  
13 of K08s, R24s various numbers, institutional  
14 training grants, individual awards at various  
15 levels of training. We put about \$20 to 25 million  
16 a year of the PCOR Trust Fund money into training  
17 researchers in how to conduct patient-centered  
18 outcomes research. There's one example of this --  
19 listed on the slide that Robin's been involved  
20 with, I believe.

21           We are looking also at trying to ask the  
22 question of whether the -- our training efforts

1 should be encouraging even more innovative methods  
2 of training researchers to do PCOR, particularly  
3 trying to incorporate some of the kind of systems  
4 engineering in quality improvement approaches as  
5 well as big data work that, you know, some of these  
6 institutions that we are supporting or working on,  
7 but more needed here in the future and things that  
8 we are looking at additional developments in the  
9 training area.

10           The second major activity is the  
11 production of systematic reviews. As part of  
12 disseminating patient-centered outcomes research,  
13 it is rarely one study that results in changes in  
14 practice, and so we have invested in the production  
15 of systematic reviews as a basis for work that  
16 would then be disseminated -- the dots here show  
17 the locations of the current contractors for the  
18 evidence-based practice centers. We produce around  
19 20 or so of these systematic reviews per year with  
20 some variation from year to year.

21           The third main activity is translation of  
22 PCOR findings into something that can actually be

1 used by patients and physicians. The systematic  
2 reviews that I showed on the last slide in the New  
3 England Journal articles are not something that are  
4 useful to patients and often not even so useful to  
5 physicians. And so, the Eisenberg Center  
6 translates the results of PCOR into clinician  
7 guides, patient decision aids, consumer guides, and  
8 makes this information available to patients and  
9 clinicians.

10 There are about 3 million pieces of  
11 information that get distributed a year.

12 But making this information available is,  
13 while necessary, not sufficient to accomplish  
14 change. You know, this is a slide that comes out  
15 of the National Healthcare Quality Report that gets  
16 produced by the agency every year. Many of you,  
17 I'm sure, are familiar with the work that Beth  
18 McGlynn did probably more than ten years ago  
19 showing that, you know, only about half of  
20 recommended services were received by Americans.

21 This slide uses a somewhat different set  
22 of indicators so that 70 percent should not be seen



1 probably as an increase from Beth's 50 percent, but  
2 it's a different set of services.

3           There are so many services that only half  
4 of Americans receive even though we know they work.  
5 I'm going to talk in a minute about cardiovascular  
6 risk factors. You know, Mike Lauer is here, I'm  
7 embarrassed to say this in front of him, he knows  
8 20 times more than I ever will, but close to --  
9 only a little more than half of Americans with high  
10 blood pressure or high cholesterol have it  
11 controlled. And we know at a sort of technical  
12 PCOR level how to do that, but it's not in  
13 practice, and so the kind of challenge that we see  
14 is how to disseminate and implement PCOR in a way  
15 that really works.

16           One slide on some of what we have been  
17 funding in this broad based dissemination space,  
18 Partnerships for Sustainable Research and  
19 Dissemination, in which we are working with  
20 grantees -- and both the first and the third are  
21 actually directed primarily at underserved  
22 populations. The second is working with a large

1 variety of specialty societies to try to enlist  
2 their help in getting information disseminated.

3           We are moving, then, to projects that I  
4 hope will have a more -- a clearer link to being  
5 able to show that we're effectively changing the  
6 information that physicians and patients have and  
7 the practices of the way that healthcare is  
8 practiced. So, we issued a funding opportunity  
9 announcement in March, are currently getting ready  
10 to review proposals. We got a very robust  
11 response, looking for up to eight grantees around  
12 the country who would form regional cooperatives to  
13 try to figure out how to -- what sorts of supports  
14 small- and medium-sized primary care practices need  
15 to be able to improve performance on cardiovascular  
16 risk factors.

17           We've seen in some of the larger  
18 organizations around the country -- Sharon's here  
19 from Kaiser and some others -- that there are a  
20 variety of large healthcare organizations that have  
21 made progress in disseminating and creating systems  
22 in which the results of patient-centered outcomes

1 research get implemented to improve outcomes for  
2 patients, but that many small- and medium-sized  
3 practices have had a much harder time figuring out  
4 how to do this effectively.

5           And so these grants, which would be up to  
6 \$5 million a year for each of these up to eight  
7 regional cooperatives, so for us a very substantial  
8 investment, looking at a three-year program, would  
9 be charged with trying to figure out how to improve  
10 these outcomes and then more broadly how to -- how  
11 these practices are better able to incorporate new  
12 patient-centered outcomes research as it emerges so  
13 that the sort of proximate goal is around  
14 cardiovascular risk factors and incorporating PCOR  
15 evidence there, the larger goal is having these  
16 practices being better able to incorporate PCOR  
17 more generally.

18           We issued a companion FOA for an  
19 evaluation of this work. Each of the grantees  
20 would be expected to have substantial evaluation  
21 efforts as part of their work and then an  
22 overarching evaluation that also will be going

1 under review that also had a quite robust --  
2 there's a lot of interest in it.

3           The second initiative that comes much  
4 closer to the discussion that we just -- that Steve  
5 just led us through is an FOA that was released in  
6 July -- early July in which we are interested in  
7 funding up to three centers of excellence who would  
8 study how health systems are disseminating PCOR,  
9 and increasingly care is being delivered by health  
10 systems.

11           Although a little part of the problem is  
12 we don't even have a very good definition of what  
13 health systems are, so that might be part of what  
14 these centers would work on, but we know very  
15 little about how health -- which health systems --  
16 what health systems are doing to effectively  
17 disseminate PCOR work and these three centers of  
18 excellence would be -- I hope, be working on trying  
19 to figure out what the various systems are doing to  
20 disseminate PCOR, which of these efforts seem to be  
21 effective and successful, and how the dissemination  
22 of PCOR within systems is related more broadly to

1 measures of health system performance on things  
2 that matter to patients -- quality outcomes as well  
3 as affordability and cost.

4           The applications here are due in the  
5 middle of October.

6           So, these last two initiatives are  
7 bookends on our dissemination work, one that's  
8 focused on figuring out how to disseminate PCOR in  
9 small- and medium-sized practices and is clearly an  
10 intervention project, and it is, by our scale, you  
11 know, a pretty large scale intervention project,  
12 it's -- we're targeting about 6,000 primary care  
13 physicians, would be taking care of nine million  
14 patients, we imagine, if the panel sizes are 1,500  
15 per physician.

16           So for us it's a pretty large scale  
17 intervention and dissemination project, but still  
18 clearly a very small part of 330 million Americans,  
19 and [microphone hit - inaudible] physicians, so the  
20 production of evidence part we see as key, that is,  
21 this will be successful in part if we improve blood  
22 pressure and cholesterol control for these nine

1 million patients from 50 percent to 75 or 80  
2 percent, that's an approximate measure of success,  
3 but then it's really only going to be successful if  
4 the evidence we produce gets used by CMS, by other  
5 payers, and by other folks who are involved with  
6 these small- to medium-sized practices to actually  
7 institutionalize and disseminate it more broadly.

8           What we realize is that even with the  
9 resources we have, we probably can't effectively  
10 disseminate to 200,000 primary care physicians in  
11 the country or 330 million people, so the  
12 production of evidence is key, and then the bookend  
13 part is that we also want to understand what large  
14 systems are doing in dissemination, what they're  
15 doing that's effective with the thought and hope  
16 that if we produce evidence on that, that that will  
17 then be useful potentially for payers and for  
18 systems, certainly, to try to figure out how to  
19 improve patient outcomes moving forward.

20           And then the last -- to mention about our  
21 use of PCOR Trust Funds is that we are charged in  
22 the statute with facilitating incorporation of PCOR

1 into clinical decision support tools and we are  
2 working on figuring out how to implement that piece  
3 now.

4           So, in summary -- and I know we're kind of  
5 over time -- but our work in PCOR has pivoted to  
6 dissemination and training. I tried to describe  
7 earlier that, you know, prior to the establishment  
8 of PCORI, we were doing work in generating PCOR.  
9 That is clearly PCORI's responsibility and also  
10 with the end of the ARRA funding, we would have had  
11 limited funding for that in any case in the absence  
12 of the resources that are now available in the PCOR  
13 Trust Fund.

14           There is a great deal of excitement in the  
15 agency about this pivot, although as you can  
16 imagine, also change is always difficult, and as  
17 Joe said, we are meeting very often, at least  
18 monthly if not more, with Joe and Jean and others  
19 at PCORI. Clearly, you know, production of evidence  
20 is necessary but not sufficient to get used and we  
21 are working on trying to figure out how to get it  
22 used.

1           So, I will stop there and --

2           CHAIRMAN NORQUIST: Thanks, Rick, very  
3 much. That's very helpful to see where you guys  
4 are at this point.

5           So, what we're going to do is we'll spend  
6 about ten minutes for questions. We have to break  
7 at 5:15 in order to have the public comment period  
8 and then we can come back further, so we don't want  
9 to just cut it right off. So, I want to allow  
10 people to go. So, we'll go this way. Mike?

11          DR. LAUER: Rick, that was great.

12          CHAIRMAN NORQUIST: Wait a minute. I'm  
13 sorry.

14          DR. LAUER: Mike Lauer, Board for NIH.  
15 So, Rick, that was great. Thank you so much for  
16 the update and just a clarification. So, the ABCs  
17 project, the Million Hearts project, that's coming  
18 out of PCOR Trust Fund money? I'm sorry if you  
19 already said this, how much money is going into  
20 that?

21          MR. KRONICK: We haven't made awards, so  
22 it's not yet clear, but we have said that it would



1 be up to \$40 million a year for the grantees from  
2 the regional cooperatives and then an additional up  
3 to \$5 million in an evaluation contract.

4 DR. LAUER: Excellent. Thank you.

5 DR. KRUMHOLZ: Thanks very much. I think  
6 that's really helpful for us as a Board, and you  
7 sitting in both places can help us. I think we  
8 ought to really try to be sure that we're not  
9 overlapping too much and that, you know, there's  
10 really complementarity between the efforts that  
11 you're making and the ones that we're doing. So, I  
12 don't have an answer to that, but it just seems to  
13 me that we have to work hard to make sure that  
14 we're hand-in-hand, which is in part why you're  
15 presenting now, and I think we ought to be thinking  
16 about that with regard to our prioritization  
17 strategy.

18 With regard to the field in general, just  
19 because Steve and Rick presenting, I think one of  
20 the tricky pieces here is the evaluation of the  
21 evidence and also the fact that these are complex  
22 interventions, which Robin has the Methodology

1 Committee thinking about, so that the scalability  
2 and generalize ability of these things and having  
3 it tailored and what is it that's essential to  
4 fostering performance and what is it that is unique  
5 to the particular setting is what's what one of the  
6 challenges in doing this kind of work, and we need  
7 help methodologically, we need to be pioneering  
8 this, because the evidence needs to be said; ABCs  
9 is a perfect example. Is -- you know, cholesterol  
10 targets are no longer parts of the guideline. So,  
11 we actually don't control cholesterol anymore,  
12 cholesterol -- we assess risk and then treat with  
13 statins, which is the evidence-based medication,  
14 and by the way, I don't even know if that will be  
15 rolled back in the next iteration of the  
16 guidelines.

17           So, it's hard to know, and so it becomes  
18 very tricky. At the same time, I know what you're  
19 trying to do is elicit enduring insights,  
20 generalizable insights that go across topics and so  
21 we need to keep moving.

22           So, anyway, I salute the effort. It's

1 tremendous. And our side, on the PCORI side, I  
2 think we need to be just very thoughtful about how  
3 we strengthen and complement the kind of work that  
4 AHRQ's doing and then, you know, Steve, help us  
5 think about where the gaps still are that we're  
6 filling given the work that they're already doing.

7 CHAIRMAN NORQUIST: So, I think that  
8 speaks to the need for very strong collaboration in  
9 what we do so that we're constantly having this  
10 discussion about that so we don't overlap, but  
11 we're also very clear about what our priorities  
12 are. They're pretty clear.

13 Steve, I'm sorry. I think I missed you.  
14 You have your tent card up.

15 VICE CHAIRMAN LIPSTEIN: This is a  
16 question and comment. You introduced us to a new  
17 acronym, FOA --

18 MR. KRONICK: Funding Opportunity  
19 Announcement, sorry. I've been in the government  
20 too long, clearly.

21 VICE CHAIRMAN LIPSTEIN: We use PFA,  
22 right? Right. Okay. My comment is obviously

1 nothing takes place in isolation. Right now,  
2 what's happening in American healthcare is this  
3 huge up-consolidation of the delivery system  
4 triggered over the last six years by everything you  
5 already know about, and that up-consolidation is  
6 bringing together community help, then you use with  
7 academic health venues, with inpatient and  
8 outpatient and home care across a continuum so that  
9 you've got almost all these alternative settings  
10 involved in something that's beginning to be under  
11 more corporate umbrella-like control.

12           There's got to be an opportunity in that  
13 for dissemination of PCOR. I just don't know how  
14 it plays out, but as you think about dissemination  
15 and you think about this up-consolidation movement,  
16 there's got to be something in here that works to  
17 our advantage, and so I just wanted to plant that  
18 seed.

19           MR. KRONICK: I agree with you completely  
20 and the PFA that we release in July or June is  
21 exactly trying to move in that direction, at least  
22 trying to first understand what various systems are

1 doing and -- as a way of an entre of being able to  
2 figure out how to effectively disseminate two  
3 systems. I agree completely.

4 CHAIRMAN NORQUIST: Freda, you're up next.

5 DR. LEWIS-HALL: Freda Lewis-Hall, Board.  
6 I actually had two very different questions, one  
7 is, I'm struck by the work that you're doing to  
8 integrate some of this in educational programs, it  
9 follows onto Harlan's question earlier, and I guess  
10 I'm a little shocked that the answer wasn't, at  
11 least in part, AHRQ's doing some of that, right?  
12 So, I think that it underscores Gray's point about,  
13 you know, kind of integration and information  
14 sharing around the programs because I could, you  
15 know, kind of see the Methodology Committee, for  
16 example, going back and repeating some of the work  
17 that, at least in your synopsis, sounds like you  
18 might be working on. So, I'm not quite sure how  
19 that happens, but that was striking to me that you  
20 kind of had an outline of some things that we had  
21 talked earlier about as something that needed to be  
22 done.

1           And then -- or at least in part to be  
2 done.

3           And then the second thing is, and I  
4 apologize, because I came back in and you may have  
5 covered this already, what are some of the metrics  
6 that you're using around the effectiveness of the  
7 work? So, is it closing the gap on the number of  
8 people who are adequately treated for their  
9 hypertension in getting them to goal? Or are there  
10 some other -- you know, or metrics like that --

11           MR. KRONICK: That's a really good  
12 question, Freda. To date, the metrics have mostly  
13 been process measures around dissemination and  
14 contact, so, you know, are we getting information  
15 to physicians, to patients?

16           In the ABCS initiative, the proximate  
17 metric will be around improvements in  
18 cardiovascular risk factors. You know, as  
19 mentioned, the sort of ultimate metric will be,  
20 will the evidence -- well, the second level -- have  
21 we produced evidence about how to make these  
22 improvements? And then the real measure is, does

1 that evidence get understood and used and sort of  
2 picked up more broadly, so there are kind of a few  
3 levels here.

4           CHAIRMAN NORQUIST: So, I think -- that  
5 was a good point about especially the training and  
6 stuff that came up and I think to be clear about on  
7 what you're training or using our methods  
8 standards, for example, as part of your training or  
9 whatever. I mean, I think that's one of the things  
10 that we need to be very clear about so that we're  
11 not confusing investigators. We're trying to train  
12 them. One thing, you should certainly be  
13 collaborating on that.

14           Robin, I'm sorry, I'm going to let Rick  
15 say that but then we're going to have to stop for a  
16 minute and do the public comment as soon as you  
17 answer --

18           MR. KRONICK: Actually, I was just going  
19 to make two acknowledgments, one, you know, Jean  
20 Slutsky, who now works for PCORI, of course,  
21 central in a lot of the earlier work that we did  
22 and so if there are really tough questions I'll

1 turn to Jean, but Bob Kaplan, who's the Chief  
2 Science Officer at AHRQ has been working a lot on  
3 training and, Bob, I don't know if you want to say  
4 anything here about the training questions.

5 DR. KAPLAN: [Off microphone.]

6 CHAIRMAN NORQUIST: Yes, we can -- I'll  
7 repeat what he said, but basically that we are  
8 collaborating, you guys are talking with our folks  
9 here about what -- you have some R25 grants that  
10 you've just put out on this issue, but that we are  
11 -- it's good to hear that we are working together  
12 at least to try to coordinate what we're doing.

13 Okay. I've got the names, I have Allen,  
14 Gail, and Harlan Weisman down still after -- as  
15 soon as we come back from the public comment -- oh,  
16 you don't have a comment? Okay.

17 So, what we'll do now is stop for a minute  
18 and I need -- Sue will help us here with the public  
19 comment period. We'll first hear from people who  
20 are here in the audience. Sue told me we had two  
21 people and then we may have some people on the  
22 phone, but we're not sure about that.



1           So, why don't we start with the people who  
2 are here in the audience?

3           MS. SHERIDAN: Great. Thank you, Dr.  
4 Norquist. Gosh, this morning when we started out  
5 we had 13 people signed up for public comment and  
6 I'm afraid that we have gone down in numbers, but  
7 like Dr. Norquist said, we're going to take the  
8 public comment first --

9           CHAIRMAN NORQUIST: Let's hope that's  
10 because we answered all their questions.

11          MS. SHERIDAN: It could be, that's exactly  
12 what I think --

13          CHAIRMAN NORQUIST: -- it's not that they  
14 gave up on us. Right. Thank you.

15          MS. SHERIDAN: Right. So informative.  
16 But we'll start with the people first in our  
17 audience and then we'll go to those who are on the  
18 phone, and I hope some people have called back.

19                 We will, for those of you who have written  
20 testimony, we ask that you submit that to PCORI.org  
21 and that all testimony that comes to us, we'll  
22 share either with the Board, the staff, or the

1 appropriate Methodology Committee members to  
2 address your comments or your questions.

3           So, first we'll start with Sara van  
4 Geertruyden from PIPC, who's going to share some  
5 comments, then I'm going to ask those of you who  
6 are offering to comment to limit it to three  
7 minutes please.

8           MS. VAN GEERTRUYDEN: Thank you. So, I'm  
9 going to read off my computer. I've been taking  
10 notes as you've been talking.

11           My name is Sara van Geertruyden, I'm the  
12 executive director of the Partnership to Improve  
13 Patient Care and today I'd like to focus my  
14 comments on three areas based on PIPC's prior work.

15           First, PIPC held a roundtable on May 8,  
16 2014 with providers and patients of the Hepatitis B  
17 and C communities focusing on dissemination and  
18 implementation of clinical evidence, and I want to  
19 thank Jean Slutsky, she joined us at that  
20 roundtable discussion.

21           This roundtable was a spinoff of an  
22 earlier roundtable looking at dissemination more

1 broadly. The Hepatitis C community in particular  
2 felt strongly that having clinical treatment  
3 options available and new USPFTF recommendations  
4 for screening, their community was a great place to  
5 start in testing dissemination strategies.

6 But the summary and recommendations that  
7 we provided to PCORI clearly articulated the focus  
8 of conversation around screening, which has been  
9 and continues to be a serious impediment to  
10 treatment and an example of the challenge of  
11 implementing evidence in practice, particularly for  
12 hard to reach populations.

13 So, as PCORI pursues a research agenda  
14 related to hepatitis, we hope that this prior work  
15 is useful in your work to prioritize topics and we  
16 appreciate being invited to participate in your  
17 prioritization work in this area in the future as  
18 well.

19 Second, PIPC held a roundtable on June  
20 19th related to accountability for patient  
21 engagement, so, better identifying how engagement  
22 is done in a manner that doesn't just engage the

1 patient, but activates the patient and their own  
2 care.

3 I want to thank PCORI for giving us a  
4 pointed response to our recommendation and we look  
5 forward to working with you in the future.

6 We provided several recommendations  
7 related to prioritization, conduct of research, and  
8 dissemination that could improve the quality of  
9 engagement and I'll describe just a few here.

10 Generally speaking, many of the  
11 recommendations focus on how PCORI can work more  
12 efficiently and effectively in its engagement by  
13 working with organizational stakeholders that can  
14 help PCORI reach those individual patients.

15 Organizations can help with things like  
16 topic solicitation and dissemination so that PCORI  
17 is reaching as many individual patients as  
18 possible. We suggested, among other things, that  
19 PCORI uses its ambassador program to engage  
20 organizations so that organizations on one side of  
21 the country can connect to organizations in another  
22 part of the country, and for dissemination

1 especially, it's not just about engaging patient  
2 organizations but also broad-based patient --  
3 broad-based organizations that can help you target  
4 other particular populations, especially those that  
5 may be hard to reach populations.

6 I know in our conversations during the  
7 roundtable, organizations like Urban League would  
8 come up frequently in terms of people that may be  
9 effective for dissemination purposes.

10 There was also strong consensus in our  
11 group that there should be a patient voice on the  
12 Methodology Committee, both on the committee itself  
13 and in an advisory capacity.

14 The roundtable group saw your  
15 dissemination and implementation action plan as a  
16 key opportunity. Resources were allocated by  
17 Congress to do dissemination differently. The  
18 roundtable recommended that PCORI and AHRQ create  
19 advisory workgroups including patients, providers,  
20 health communications experts and researchers  
21 around the key areas of your research portfolio to  
22 those who advise on how best to disseminate

1 research, including where there needs to be  
2 capacity building in the community to get that  
3 information out effectively and what decision aids  
4 may be needed to effectively communicate evidence.

5           And I was happy to hear that AHRQ is also  
6 focused on decision support tools. I think that's  
7 a very key area.

8           We believe these recommendations support a  
9 process for dissemination that's consistent with  
10 the statute guidance, which is intended to support  
11 a more patient-centered dissemination process.

12           And third, PIPC is looking forward to  
13 publishing a white paper in the near future on the  
14 patient perspective for alternative payment models,  
15 which will look closely at how principles of  
16 patient-centeredness can and should be translated  
17 throughout the infrastructure of our healthcare  
18 system. PCORI and its patient-centered outcomes  
19 research is just the first pillar developing the  
20 evidence base that we hope will be translated into  
21 practice in a manner that both engages and empowers  
22 the patient.

1           It's important to recognize the power of  
2 your work in developing those best practices for  
3 patient-engagement as the broader health community  
4 will be looking at what you were doing with  
5 research to build the other pillars of a patient-  
6 centered health system, such as quality measures  
7 and the shared decision making tools.

8           So, in closing, I'd like to thank you for  
9 allowing PIPC to remain engaged and to provide  
10 input along the way. We're very excited about  
11 PCORI's work in the area of dissemination and to  
12 bring together stakeholders to provide -- to  
13 prioritize its research in a more strategic manner.

14           And if you want to look at any of the work  
15 that I've described here today, it's all available  
16 on our website at [PIPCPatients.org](http://PIPCPatients.org).

17           Thank you.

18           CHAIRMAN NORQUIST: Thanks very much.  
19 Actually and thank you for the document that you  
20 sent. I know that we responded to that and they  
21 are very helpful. So thank you very much. Sue.

22           MS. SHERIDAN: Thank you Sara. Wendy

1 Ellis, are you still here?

2 [No response.]

3 MS. SHERIDAN: I think that is no. So,  
4 I'm going to ask the Operator, Mike, do we have  
5 anybody on the line?

6 OPERATOR: No one is on the line at this  
7 time.

8 MS. SHERIDAN: Thank you.

9 CHAIRMAN NORQUIST: So, we would just  
10 remind people that we always take input at  
11 info@PCORI.org and also on our website, PCORI.org,  
12 so if you're listening and for some reason can't  
13 talk or something, that's another way to always  
14 give us input. So, we'll go back, unless someone  
15 comes up, we'll go back to our discussion.

16 Wait a minute. Did you want to say  
17 something at the public comment period or you want  
18 to -- oh, okay, go ahead.

19 MS. HOLE-MARSHALL: So, do you think that  
20 we could maybe build in a small public comment at  
21 each portion of the day, like one in the morning  
22 and one in the afternoon perhaps?



1           CHAIRMAN NORQUIST: Yeah, we could do --  
2 that's a good idea.

3           MS. HOLE-MARSHALL: We could limit it, and  
4 then, you know, if there's too much spillover.

5           CHAIRMAN NORQUIST: Yeah, I think it's  
6 true, to make the public folks wait until the very  
7 end of the day, I mean, that's not -- I think that  
8 is not fair. I think that's a good point.

9           MS. HOLE-MARSHALL: Okay.

10          CHAIRMAN NORQUIST: So, we could split the  
11 difference. We have 30 minutes. We could split 15  
12 and if we have to go over, we can, but let's try to  
13 put a 15-minute in the morning and then 15 in the  
14 afternoon, that way if somebody wants to come in  
15 the afternoon, they could come in the afternoon.

16           Plus, the other reason for the afternoon  
17 is for the West Coast folks who don't want to get  
18 up early in the morning, right? Thank you, Sue.  
19 Thank you, Leah. That's a very good point.

20 They're up by now, I know, but I'm just saying --

21           [Laughter.]

22          CHAIRMAN NORQUIST: Okay, so, Allen, you

1 were up next.

2 DR. DOUMA: Yeah, I wanted to ask Rick a  
3 question. Rick, we're starting our Q&A back again  
4 just to let you know.

5 CHAIRMAN NORQUIST: For those who may be  
6 listening, we're back to the discussion we're  
7 having with AHRQ and our health system portfolio.

8 DR. DOUMA: This is Allen Douma. Rick, in  
9 the context of you guys running the National  
10 Guideline Clearinghouse and in the context of the  
11 fact that a lot of guidelines are not 100 percent  
12 evidence-based, how do you compare and contrast the  
13 dissemination of PCOR with the dissemination of  
14 guidelines?

15 MR. KRONICK: The National Guidelines  
16 Clearinghouse is certainly, you know, a piece of  
17 dissemination. It is dissemination primarily to  
18 kind of clinicians and not much, as far as I'm  
19 aware, to patients. And it's a fairly kind of high  
20 level -- you know, it's a very low touch. You  
21 know, the Guidelines Clearinghouse puts guidelines  
22 out there and if people can find them, fine.

1           I don't think, you know, it results in  
2 very much change in practice, although we don't  
3 have evidence on that, but I'm not sure I'm  
4 completely following your question.

5           DR. DOUMA: Well, one of the down sides,  
6 one of the questions we had a few years ago about  
7 whether we ought to actually develop guidelines, I  
8 think the resounding answer was no -- yeah, it was  
9 no, but a question is, if we want to be really  
10 patient-centered and be totally intellectually  
11 honest, should we be distributing information about  
12 how some guidelines are not evidence-based?

13           MR. KRONICK: Ah, I see your question.  
14 So, I mean, as you probably know, the Institute of  
15 Medicine, a couple years ago, I think 2011 -- I'm  
16 not sure of the exact date -- made a set of  
17 suggestions about tightening the criteria for  
18 inclusion in the National Guidelines Clearinghouse  
19 and we are in the process of implementing those  
20 recommendations so that, you know, guidelines that  
21 are in the Clearinghouse should have better  
22 standards of evidence than may have been the case

1 in the past.

2           You know, were they a sort of guaranty  
3 that every guideline that's going to be in the  
4 Clearinghouse is necessarily gold standard? I  
5 mean, no, probably not, and certainly there will be  
6 some guidelines that may even conflict with each  
7 other, but kind of this part of the job then is --  
8 we don't see our job as being a final arbiter of  
9 exactly what's right, but we certainly are, you  
10 know, going through a process to try to make sure  
11 that at least some standards of evidence have been  
12 met before we put a guideline into the  
13 clearinghouse.

14           CHAIRMAN NORQUIST: Well, and I think  
15 certainly when they put the guidelines up they can  
16 say what methodology they used and then it's kind  
17 of buyer beware, but I do know that most -- because  
18 I know with my organization, my council that I'm  
19 on, is over them and the American Psychiatric,  
20 we're paying very close attention to what the IOM  
21 guidance is on this, but I think as long as you  
22 just publish what your methodology is then --

1 right? Okay, Joe.

2 DR. SELBY: So, even though I had heard  
3 these presentations or seen them before, I've still  
4 been really intrigued by the two and the  
5 similarities between the two as well as the  
6 differences and I also was struck by Sharon's call  
7 for big questions, and that one about how to  
8 restructure emergency departments within healthcare  
9 systems is a really big question and I think I  
10 would like to just ask the Board, and maybe  
11 especially Citizen Epstein in his last -- in the  
12 waning minutes of his public service on the PCORI  
13 Board, to weigh in on whether the distinction was  
14 clearly drawn between CER on systems and  
15 dissemination and implementation of PCOR and  
16 whether there are a class of really big questions  
17 that CER could address, like restructuring EDs and  
18 what did you have in mind way back then as we named  
19 improving health systems -- what did you imagine  
20 the kind of studies we'd be addressing with a CER  
21 lens?

22 DR. EPSTEIN: Yeah, so I think what Rick

1 has done and called dissemination was to change  
2 some of the words it could look very much like  
3 health services research for improving outcomes.  
4 Forgive me, Rick, I won't say it outside this room.  
5 I know it's dissemination, dissemination, but --

6 MR. KRONICK: We are at a public meeting,  
7 Artie.

8 CHAIRMAN NORQUIST: And it is being  
9 recorded.

10 DR. EPSTEIN: Exactly why I'm resigning.

11 [Off microphone discussion.]

12 DR. EPSTEIN: I'll stop there.

13 MS. HUNT: Go ahead.

14 DR. EPSTEIN: I just think -- so, an  
15 example that you could change a few variables, you  
16 could change some emphasis, and you'd be talking  
17 then about what are major health systems with  
18 integration now all the rage with more than half of  
19 physician practices no longer owned by physicians,  
20 with most hospitals now in multi-center chains, the  
21 kind of subject that he's trying to understand  
22 about, which is, how do these folks disseminate

1 effectively or how do they actually perform  
2 effectively, which is close, strikes me as a pretty  
3 big picture question. It doesn't disagree with  
4 Sharon's issue, but more than a one-off of, we  
5 tried three of these and two of those and it was a  
6 little more intense and worked a little bit.

7 He's also putting up fairly large dollars.  
8 I mean, he's got a big bet on this. I don't know  
9 whether it will pay.

10 MR. KRONICK: Joe, can I jump in? Because  
11 Arnie, what I heard Joe's question to be, and I  
12 wasn't here, clearly, when the original discussions  
13 occurred, but I gather that you were one of the  
14 supporters from listening to this, of putting 20  
15 percent of the PCOR research effort into improving  
16 health systems PCOR, and I think what Joe was  
17 asking was, what were you imagining or thinking at  
18 the time that 20 percent should be funding.

19 DR. EPSTEIN: Yeah. I guess I was  
20 thinking of large trials, comparative effectiveness  
21 for the most part. There are some methodological  
22 reasons why they're a little better that way, that

1 tested important question about delivery systems  
2 that were not just everybody was asking this, but  
3 sort of a major question. Some of the ones we have  
4 unresolved, where are nurse practitioners and mid-  
5 levels and how do they really change the sorts of  
6 things we do?

7           And I had imagined that it would take lots  
8 of money, that it wouldn't be easy to do on  
9 \$400,000 a year times three. But there'd be bigger  
10 questions to it.

11           We have other natural experiments we're  
12 doing now and CMMI is probably going to get the  
13 grail for doing it, but there are things like what  
14 happens when you bundle, what happens when you move  
15 integrated systems, what happens when you got ACOs,  
16 what's really worked for readmissions or not  
17 worked, how is it happening. Those are all big and  
18 they're about systems and I thought they might do  
19 as much to improve the healthcare and health status  
20 of Americans as Coumadin versus Heparin and I'm  
21 very sympathetic to Rick earlier today making the  
22 plea of we need more of those comparative -- we do



1 need that too. We need some lights on.

2 But that is what I was thinking. And I  
3 guess I just have the same reaction as Sharon when  
4 I was hearing the details, it just didn't seem like  
5 -- I gave it Harlan Krumholz's test, you know, I  
6 was pretending to tell a close relative which are  
7 the ones I was really excited about and I found  
8 myself stalled. I didn't have them.

9 For what it's worth, I like the one on  
10 falls. I think it's going to potentially tell us  
11 something.

12 I'm sorry if that's not more directive.

13 CHAIRMAN NORQUIST: Harlan? Oh, I'm  
14 sorry, you want to answer?

15 DR. LEVINE: Steve, first of all, I know  
16 you inherited this portfolio, you did not create  
17 it, but my -- what I meant to say and failed to say  
18 is, it wasn't about that those questions weren't  
19 questions that were worth answering, but they  
20 belonged in another one of the portfolios, some of  
21 them belong in the comparing clinical interventions  
22 portfolio rather -- to me, rather than improving

1 health systems because of the scale, that many of  
2 them or some of them, at least, are looking at  
3 different clinical interventions to achieve a  
4 better clinical outcome.

5 I wasn't trying to deride the question,  
6 but just in terms of where in the portfolio is the  
7 focus.

8 CHAIRMAN NORQUIST: Okay. Harlan?

9 DR. WEISMAN: Okay. So, one little point  
10 nobody probably cares about is, after hearing it a  
11 number of times and Gail whispering in my ear, I  
12 finally understood what Sharon was saying and  
13 everyone else in the room did and I now appreciate  
14 it and agree.

15 Okay. So, the question, Rick, you know,  
16 everyone has said, well, we better make sure that  
17 we're not overlapping too much, or at least  
18 intentionally overlapping and it makes sense, but I  
19 love the work you're doing and it's not --  
20 dissemination with a small 'd', meaning, just  
21 telling and putting information out there, you've  
22 done -- AHRQ has done an impressive amount of it,

1 but Dissemination with a big 'D', meaning it has an  
2 impact that you want it to have, in other words,  
3 you've changed the way things are being done, it's  
4 incredibly disappointing, not an issue just for  
5 AHRQ but for healthcare in general.

6           And when I think about when I've seen  
7 effective changes, it's really when behavioral  
8 economic techniques have been used. And what I  
9 mean by behavioral economics is in a simplistic  
10 way, I mean that most of us overestimate the value  
11 of the present and underestimate the value of the  
12 future, so that we will gladly do something that  
13 gives us immediate satisfaction that later we're  
14 going to regret because it comes to cause harm to  
15 us, whether it's smoking, taking drugs, drinking  
16 too much, eating too much, whatever.

17           And what behavioral economics does is  
18 acknowledge that and adds something to the  
19 equation, which provides some immediate recognition  
20 of value, and sometimes it's just a simple reward.

21           You know, at Johnson & Johnson we had a  
22 very good record, still a long ways to go, but at

1 least when I was there, of changing employee  
2 behaviors by sometimes-trivial incentives or small  
3 monetary incentives towards better management of  
4 hypertension and diabetes and other things. Some  
5 healthcare systems have changed physician behaviors  
6 by merely giving them information about how they  
7 are performing relative to their peers, and that  
8 turns out to be a value. They don't like it if  
9 they're in the 2nd percentile among physicians who  
10 have diabetics under control.

11           And in world health studies, massive  
12 public health efforts have effectively used these  
13 behavioral economic principles to change behaviors  
14 at national levels. I'm just curious, have you --  
15 has AHRQ looked at that or should we look at that?  
16 Because it seems highly effective.

17           MR. KRONICK: I think -- we have done some  
18 work on that and certainly we've done lots of work,  
19 as others have, on sort of figuring out how to get  
20 the incentives right and the -- behavioral  
21 economics is one piece of getting incentives right.  
22 You know, I am struck, surely, that at least in

1 looking at cardiovascular risk factors, while the  
2 evidence is not great, there's pretty clear  
3 evidence, I think, that there are some  
4 organizations, some healthcare systems that have  
5 done a much better job than others and we are, in  
6 both of these projects, actually, trying to sort of  
7 figure out how to make progress, you know, one  
8 focusing on the small- and medium-sized practices  
9 the other looking across health systems  
10 understanding what's been done, and I'm sure that,  
11 you know, that behavioral economics or explanations  
12 will be part of that, but I'm sure we'll also see,  
13 as we look across systems, big differences in  
14 choices that have been made about the workforce,  
15 mix of primary care and specialist, use of mid-  
16 levels, that -- I'm not sure we'll understand  
17 particularly well where those choices came from,  
18 but that's kind of part of, you know, what we need  
19 to figure out how to change.

20 DR. WEISMAN: Well, another part of that  
21 that you just alluded to, I think, was the notion  
22 of cognitive overload. When you have clinicians

1 seeing 30 or more patients a day, they can't  
2 possibly -- they are overloaded to a point that  
3 they can't possibly --

4 MR. KRONICK: Yeah, and the levers that --  
5 I mean, the sort of main lever that the federal  
6 government and, you know, sort of private payers  
7 have is what they -- how they offer payment, which  
8 is a pretty blunt lever, and we are trying to  
9 develop evidence underneath that for clinicians and  
10 patients, health systems that are trying to respond  
11 to that, well, what can you actually do to improve.  
12 There's still, you know, the kind of fundamental  
13 question of how do you, you know, what are either  
14 the incentives or accountability mechanisms that  
15 will actually get people to improve, and, you know,  
16 depending on what you're trying to change, many  
17 different answers.

18 I think particularly, you know, if we're  
19 trying to sort of go back to the corticosteroids,  
20 and that's only one study, and more work is needed,  
21 but if it turns out that that holds up, well,  
22 that's a kind of big problem, or you have some

1 patient that goes into an orthopod and says, I'm in  
2 a lot of pain, what can you do, and it's not a  
3 great answer to say nothing, a much better answer  
4 to say, oh, here I have this shot, plus it may  
5 actually make some money for some people, so that's  
6 a sort of different kind of problem than the  
7 problem that we're facing on increasing blood  
8 pressure and cholesterol control. Each of these  
9 problems are going to have solutions that, as you  
10 point out, you need to pay attention. How do you  
11 get people to change?

12 CHAIRMAN NORQUIST: Yeah, isn't human  
13 behavior interesting? It's what I deal with every  
14 day. So, you know, there are all these different  
15 factors that have an impact on why people do things  
16 and they're not always obvious.

17 Alicia.

18 DR. FERNANDEZ: I agree with you. Thank  
19 you both for very interesting presentations. I  
20 want to be sure I understand, Rick, fully, the  
21 implications of something that you said and it has  
22 to do -- back to the corticosteroid example and if

1 I understood you correctly, AHRQ is not going to be  
2 doing these types of research -- producing --  
3 funding this type of research in the future, sees  
4 that more as in PCORI's bailiwick, and I just  
5 wanted to make sure I understood that correctly and  
6 get a little bit of a handle, having sat in at an  
7 AHRQ study section and currently an NIH study  
8 section.

9           To me, this doesn't seem so much like an  
10 NIH question, I'd love to hear a contrary opinion,  
11 but when we talked about targeted PFA versus  
12 investigator-initiated, we had a pretty broad  
13 consensus of moving some more toward targeted PFAs,  
14 and yet somehow -- which I share -- but yet  
15 somehow, I can think of more good questions along  
16 the lines of the corticosteroid than I can think of  
17 good questions that are resolvable in our framework  
18 in the short time period with the amounts of money  
19 in a targeted PFA.

20           So, I want to invite you just to say a  
21 little bit about where you see studies of this type  
22 really fitting in between NIH and AHRQ and PCORI



1 and could you add to that a little bit just the  
2 order of magnitude of funding of studies, for  
3 example, of this one -- of this type? And then  
4 where you would personally see the balance between  
5 those two?

6 MR. KRONICK: So, I'll leave it to Mike,  
7 I'm not going to speak for NIH about what NIH sees  
8 as being in their bailiwick. Very explicitly, I  
9 will sort of confirm your question, that funding a  
10 study like the corticosteroid study or a study that  
11 will be coming out soon comparing ultrasound and CT  
12 for patients with suspected kidney stones is not  
13 work that AHRQ will be funding and to me it makes  
14 sense that PCORI should be.

15 Jean is trying to jump in --

16 MS. SLUTSKY: [Off microphone.]

17 MR. KRONICK: Yeah, and Mike, I don't know  
18 if you want to -- I don't want to put you on the  
19 spot, but whether you want to say anything about  
20 whether this is NIH's work. To me, it looks like  
21 PCORI -- it should be PCORI's work.

22 DR. LAUER: Well, I think, to some extent,

1 it is NIH's work and part of what we're doing right  
2 now, for example, through the collaboratory as well  
3 as through some of the individual RFAs that the  
4 institutes are putting out, is helping to develop  
5 approaches to conduct pragmatic trials in efficient  
6 ways.

7           But what we're really looking forward to,  
8 and this is something we've talked about a lot, is  
9 a point where we can more regularly leverage  
10 platforms like PCORnet so that we could -- we,  
11 potentially, at NIH could fund very large numbers  
12 of pragmatic trials, important patient impact  
13 trials like the order of magnitude of what you just  
14 talked about and be able to do that by virtue of  
15 the fact that PCORnet exists and that PCORnet is  
16 driving and functioning.

17           Right now if we wanted to -- I'll give you  
18 as an example, we're funding a pragmatic trial  
19 comparing an initial strategy of CT angiography  
20 versus strep testing in patients with suspected  
21 coronary disease. It's a 10,000-patient trial.  
22 It's going very well.

1           The results will be reported out I think  
2 sometime next year. This trial costs about \$35 to  
3 40 million. Imagine if we could fund a trial like  
4 that for \$5 million by piggybacking it off of  
5 PCORnet structures. We could do so much more.

6           CHAIRMAN NORQUIST: Thanks. And Bob  
7 Zwolak.

8           DR. ZWOLAK: Zwolak, Board. Rick, Steve,  
9 thanks for those presentations. They certainly  
10 helped me. As I think of us moving forward and  
11 potentially reshaping the major buckets in which we  
12 put our announcements and our money, I wonder if  
13 you two would speculate just for a minute about the  
14 IHS, which seems to me to be pretty distinct and  
15 potentially different or separate from some of the  
16 other clinical CER trials.

17           When it comes to IHS, should we be looking  
18 at larger dollar trials, targeted trials, just  
19 broad announcements? In your perspectives, what's  
20 worked, what hasn't worked, and when it comes to  
21 IHS, where should we focus going forward?

22           DR. LAUER: Well, one thing we've been

1 concerned about is the ability of some of the  
2 smaller types of studies that have come out of the  
3 broad funding -- the traditional broad funding  
4 announcement really having the bandwidth to really  
5 be significant and particular issues of being able  
6 to do multi-site trials so that we can look at a  
7 diversity of clinical op settings that these trials  
8 could potentially be implemented in as well as  
9 having large samples so we could really look at  
10 some of the subpopulation issues within these types  
11 of system interventions in terms of what the real  
12 implications are for these different studies.

13           And so, for example, we've moved in the  
14 broad announcement towards this notion of a large  
15 broad option to try to get up to \$5 million in  
16 five-year studies to try to accommodate some of  
17 those types of studies, which will enable us to  
18 potentially have that kind of bandwidth and the  
19 other area that I think is important is that with  
20 many of these complex, multi-intervention studies,  
21 which are being proposed in some of these areas,  
22 the ability to be able to have arms where we can

1 look at some of these options and really try to  
2 understand possibly what's driving it to see if  
3 these complex interventions are really the answer  
4 or are there elements of those interventions that  
5 could be considered appropriate.

6 Those do take larger studies to do that,  
7 in my opinion.

8 DR. ZWOLAK: And as a quick follow on, is  
9 \$5 million enough? It seems like it's potentially  
10 not.

11 DR. LAUER: Well, I think we're looking at  
12 some of the -- it'll be interesting to see what  
13 comes out of the pragmatic studies initiative where  
14 that kind of doubles it to about \$10 million and  
15 see what sorts of reviews and options we get from  
16 that particular -- my sense is that we are looking  
17 potentially to try to move to larger studies in  
18 order to make those kinds of potential impacts  
19 where different -- and in such a diverse healthcare  
20 system to be able to look at the diversity of those  
21 types of impacts will take, for some research  
22 questions, larger studies.

1           MR. KRONICK: I would agree with Steve  
2 that probably larger studies are often needed, but  
3 I would ask more fundamentally, and this is sort of  
4 backtracking -- I think what Sharon was raising  
5 earlier about whether these studies are studies  
6 that PCORI should be supporting. I mean, we had a  
7 discussion earlier this morning about kind of the  
8 need to focus and I think the question, for any  
9 study, is -- you know, has been raised a number of  
10 times, is what does the abstract look like when  
11 it's done and what's the -- what do we say to the  
12 Washington Post reporter, and then, more  
13 importantly, how is practice going to change and  
14 how are outcomes going to improve for patients as a  
15 result of this study being done.

16           And I think for many of these studies,  
17 it's hard to see the positive answer to that. You  
18 know, not for all, maybe but I think, you know,  
19 much easier to see that if PCORI's funding -- you  
20 know, doing -- injections of corticosteroids work  
21 or not, you know, in part it's a question for Steve  
22 Lipstein and others kind of running health systems,

1 but it's sort of what sort of evidence and  
2 information and they likely to take advantage of  
3 that PCORI might be producing. You might say, yes,  
4 fine, but I'm a little skeptical actually.

5 CHAIRMAN NORQUIST: Thanks. Harlan.

6 DR. KRUMHOLZ: Just since we're all around  
7 this table and I missed this morning, I just want  
8 to reinforce that point. I think it's so  
9 important. Arnie, you might want to be the one  
10 that speaks to this side, but to me, we're still  
11 not investing enough in the discrete trials that  
12 have to do with symptom relief, function, the kind  
13 of experiences the patients have, whether it's  
14 pain, things like incontinence, it's fatigue,  
15 shortness of breath.

16 I mean, when I see patients who come in  
17 who have a variety of depression, when people come  
18 in with these kind of complaints, depression aside,  
19 but a lot of the physical, somatic illness issues -  
20 - insomnia, I mean, we are grasping to try to  
21 figure out how to personalize the recommendations  
22 for them in a way that are meaningful.

1           You take incontinence, you know, someone  
2 will say, well, they should do Kegel exercise.  
3 Well, how many? When? What's effective?

4           I mean, what really makes a difference for  
5 people? I mean, no one's going to take the -- I  
6 mean, just -- so, I don't know, for \$20,000 I think  
7 you could figure that out. I mean, just no one's  
8 directing at it, it doesn't become a priority, but  
9 if you really pull --

10           [Off microphone discussion.]

11           DR. KRUMHOLZ: Give me \$20,000, I'll do  
12 it.

13           [Laughter.]

14           DR. KRUMHOLZ: I need a PPRN of  
15 incontinent people, but -- I know it's the end of  
16 the day, but my larger point is that I think these  
17 are the cycle -- if we can produce a big number of  
18 these where people are spending money pursuing  
19 different strategies, desperate at all levels of  
20 socioeconomic status across the entire country, are  
21 desperate for answers about how to get relief,  
22 looking at alternative and complementary



1 approaches, I mean, where is it that we're cycling  
2 through this kind of information that when you're  
3 on the wards or when you're in the office, you're  
4 hearing every day and you're just shrugging your  
5 shoulders like, I just don't know what to tell you  
6 because, you know, I'm sort of not sure.

7           If somebody told me their 90-year-old mom  
8 was going in for epidural injections, well, she can  
9 know not to get corticosteroids, but the question  
10 is, in 90 year olds, I mean, where are we  
11 organizing the data so that we can tell people,  
12 let's randomize and figure out how you feel and do  
13 the standardize collection.

14           I think that's the great need. Lots of  
15 money is being spent on a whole variety of either  
16 imaging or interventions that we don't know whether  
17 they work and that people are really, truly  
18 desperate to know what strategies will help me  
19 function better, be less symptomatic, and live a  
20 fuller life.

21           And to me, this is, I don't want to say  
22 cleaner or not, but the health system stuff is

1 really complicated and especially spreading it out  
2 and the terrain is changing all the time. That's  
3 what Steve's saying, he's absolutely right. I  
4 mean, next week it's different than it was last  
5 week, it's changing rapidly. It doesn't mean we  
6 shouldn't study it, but you're doing it, you're  
7 jumping in, and I think for us a proposed focus is  
8 on these things because the outcomes come fast  
9 enough that we can cycle the studies through fast  
10 enough and I'll say it one more time, if we can get  
11 the questions, we can hire the people to do the  
12 work, we can have it on time, on budget, and we can  
13 give away the data when we're done, de-identify it  
14 and give away the data because we'll do it, we'll  
15 let the academics present it, they can publish it  
16 with the patients and then the data will be owned  
17 by PCORI and then give it out and leverage it.

18           But I really think it's time for us to  
19 seize that moment and also, you know, recognize  
20 what AHRQ's doing. I mean, AHRQ's making -- it's a  
21 big investment you're making across the primary  
22 care and across U19 and I think we need to be

1 thinking hard about where our -- when we've got  
2 investments that we have to manage that we've  
3 already made, so the question is, how many more  
4 versus everything else that we need to do.

5 CHAIRMAN NORQUIST: Right, so that was the  
6 discussion, so we did that exactly in the direction  
7 in which we want to move because we only have so  
8 much money, we have only so much time, and we have  
9 to decide what are our priorities in all of this  
10 here, so we absolutely -- Allen?

11 DR. DOUMA: I just wanted to really  
12 reinforce what Harlan's talking about. If we're  
13 patient-centered, over the course of ten years, I  
14 or my company read two million emails from patients  
15 and I assure you they're more concerned about  
16 dealing with symptomology than anything else and we  
17 don't really take that head on.

18 CHAIRMAN NORQUIST: Okay, so Alicia, do  
19 you want to --

20 DR. FERNANDEZ: I wanted to jump in here  
21 because I don't -- I think we may be doing a  
22 disservice to some of the items in the portfolio,

1 which is not to say that I'm not on board with the  
2 -- that the discussion needs to happen, but for  
3 example, there are a lot of Patient Navigator  
4 proposals in there, and you could say, oh, well,  
5 Patient Navigator, I mean, like, who cares? Right?  
6 Well, all of my patients care, right, a lot of your  
7 patients care, right, their problem is they can't  
8 figure it out. The health system doesn't work for  
9 them.

10           So, they're not going to get in there to  
11 ask me about their insomnia and their incontinence  
12 and whatever because they can't maneuver the system  
13 as we know, it may not work well enough. When they  
14 get a bad disease, it doesn't work well enough.

15           So, I don't want to -- as someone who does  
16 health services research, and I sit on the NIH  
17 health services study section, I want to be careful  
18 that we don't throw out the baby in the bathwater  
19 because there are questions here that, in my  
20 opinion, will not get funded by NIH, are not going  
21 to get funded by AHRQ and are important to answer  
22 and that they are not the most -- I see the study

1 headlines very clearly. Patient Navigator helps  
2 low income patient achieve access, improve their  
3 outcomes, improve the treatment of their  
4 cardiovascular risk factors. That's the headline.  
5 That's not a bad headline.

6 CHAIRMAN NORQUIST: So, we're going to let  
7 Arnie -- since this is Arnie's last meeting, Arnie  
8 gets to kind of have the last word because he was  
9 raising his hand over here.

10 So, Arnie, we're going to put you on the  
11 spot here.

12 [Laughter.]

13 DR. EPSTEIN: That would be the wisest  
14 thing I could do. I don't -- this one's on, right,  
15 speaking to America? I could be Walter Cronkite.

16 So, I will just hearken back to some other  
17 wise words that Harlan Krumholz said, which really  
18 had to do with urging us to write the abstracts for  
19 studies that we funded and I think behind his  
20 request was the notion that if you could write the  
21 abstract, you could get a sense then about really  
22 how important this was likely to be, not a perfect

1 sense, but a pretty good sense, and I would submit,  
2 as I pass the baton for Improving Health Systems to  
3 Sharon and on, that that's really what's going to  
4 separate out PCORI. It's not going to be the 20  
5 percent versus 40 percent or the 19 versus the 41,  
6 it's going to be, did we choose studies that were  
7 really important, that really changed what people  
8 did, and those people can be the doc on the street  
9 or the patient on the corner or the system leader  
10 and manager. So, I would focus there. And I think  
11 we could do that more effectively, even for the --  
12 I know we've tried really hard and it's not easy.

13           Anyway, on that happy note, I'm happy to  
14 move for adjournment.

15           CHAIRMAN NORQUIST: All right. So, thank  
16 you, and let me just say, for all those on -- since  
17 we're over about 15 minutes here, that all of the  
18 information, the recording and all will be up on  
19 our website at PCORI.org and we're always happy, as  
20 I said before, to receive input at info@PCORI.org  
21 and at our website, PCORI.org.

22           So, we thank all of you for joining us --

1 well, if you make it quick, Joe.

2 DR. SELBY: I just learned that there's  
3 not going to be a microphone where we convene  
4 tonight, so I simply wanted to take the occasion of  
5 the fourth anniversary of PCORI and of your  
6 existence as a Board to thank all of you for your  
7 unwavering support and willingness to consult and  
8 provide consultation, advice, support, your  
9 participation and your interest in re-upping, as  
10 reported to me by the GAO.

11 I do understand that we'll have news about  
12 a new Board member to replace Citizen Epstein and  
13 all of those whose first term comes to a  
14 conclusion. We'll have news about all of that by  
15 the end of this month.

16 But we are appreciative. Sometimes I  
17 can't quite imagine what makes a person stay on a  
18 Board that requires so much of them as this Board  
19 does, but thank you all for staying on, hanging in  
20 there and supporting us.

21 The last thing I want to say is, thanks to  
22 Steve -- second last thing I want to say is thanks

1 to Steve for spearheading this governance  
2 transition work. I think it has worked remarkably  
3 well and the three committees are each feeling  
4 their oats now, I think, and really each have a  
5 larger bundle of work to do and that works really  
6 well.

7 And, in case anybody's wondering, Gray has  
8 done a remarkable job of stepping in for Gene and  
9 from my point of view, he's fantastic. So, thanks  
10 all. Happy anniversary. And, Gray --

11 CHAIRMAN NORQUIST: I know, by the way --

12 DR. SELBY: Gray, I know you want to get  
13 out of here, but just -- everybody should be aware  
14 that at last November's Board meeting I had to wear  
15 a Boston Red Sox hat to this Board meeting because  
16 I lost a bet to Rick Kuntz --

17 CHAIRMAN NORQUIST: Are you about to make  
18 a bet now?

19 DR. SELBY: I just want you to know, I  
20 can't possibly have to wear that hat again this  
21 year. It'd be Oakland As this year.

22 CHAIRMAN NORQUIST: So, we meet at 6:30 in



1 the lobby for those who are going. By the way,  
2 there is a fourth committee, FAC, and we want to  
3 thank you guys for all the hard work and stuff that  
4 you've done.

5 [Whereupon, at 6:00 p.m., the telephonic  
6 portion of the PCORI Board of Governors meeting was  
7 concluded.]

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