

MEDICARE PAYMENT ADVISORY COMMISSION

PUBLIC MEETING

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COMMISSIONERS PRESENT:

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

2 DR. REISCHAUER: Good morning. For those of you
3 who were not here at the executive session, Glenn Hackbarth,
4 the chairman, is testifying before the Ways and Means
5 Subcommittee on Health and will be here this afternoon.

6 The first session that we have this morning deals
7 with private insurers' strategies for purchasing imaging
8 services. We have a distinguished and very knowledgeable
9 panel that Kevin will introduce and set up with any
10 introductory material that is necessary. Kevin?

11 DR. HAYES: Thank you. We are really starting off
12 here with two sessions which concern purchasing strategies.
13 These are strategies used by private insurers and others to
14 improve efficiency. By that we mean reducing spending while
15 maintaining or improving the quality of care. So our first
16 session will focus on imaging services.

17 Just by way of context, we wanted to give you a
18 brief overview of how Medicare pays for imaging services
19 under the physician fee schedule, just to give you a frame
20 of reference for interpreting what the panelists have to
21 say.

22 We also distributed for you an article that

1 appeared in the New York Times on Saturday, a timely article
2 that addressed imaging services, specialties of physicians
3 providing those services and the fairly rapid diffusion of
4 imaging equipment in, I believe it was in Syracuse.

5 So moving on then to this overview, we can begin
6 first by just looking at the types of imaging services that
7 Medicare pays for and we see them arrayed here in different
8 categories of services, computed tomography, magnetic
9 resonance imaging, echocardiography, other echography or
10 ultrasound services, nuclear medicine, standard imaging
11 which is essentially plain film x-rays, chest x-rays, and x-
12 rays of the musculoskeletal system, that kind of thing. And
13 then a category here, a small image called imaging
14 procedures, which is more invasive things like cardiac
15 catheterization and angiography.

16 You can see fairly even distribution among the
17 categories in roughly the 12:00 o'clock to 9:00 o'clock of
18 this, all ranging in the area of 11 percent to 17 percent of
19 total spending. But standard imaging is one of the bigger
20 categories at 23 percent of total spending and then that
21 imaging procedure one is kind of small.

22 Services are provided by physicians in different

1 specialties. This is all payments for services under the
2 physician fee schedule. We can see here that radiology is a
3 very key specialty with payments approaching half of the
4 total. Cardiology is another important specialty here,
5 close to one-quarter, and then other categories shown as you
6 can see there.

7 For purposes of payment we can categorize, we can
8 decompose, break down imaging services into two components.
9 One is a professional component, and that would be the
10 portion of the service usually provided by a physician. It
11 includes supervision of the imaging study, interpretation of
12 the results, and preparation of a report. Then there's the
13 technical component of the service which is the work of a
14 technician, use of the equipment, supplies, that kind of
15 thing. So it is possible for separate billing for each
16 component or for both together, and that is what it meant by
17 this global service that you see here.

18 This is a count of units of service so obviously
19 there are some technical components missing here. The other
20 technical components that you do not see here are the ones
21 that are provided in a facility setting; hospital outpatient
22 department. Even if a patient receives an imaging service

1 as an inpatient, results still need to be interpreted so
2 that is not shown on here but just something to keep in mind
3 as part of the imaging services that beneficiaries receive.

4 One thing you will hear about during the panel
5 discussion has to do with an issue having to do with
6 multiple imaging services appearing on one claim for
7 payment. So this is one example of that phenomenon. We see
8 here computed tomography services, roughly 60 percent of the
9 claims include one service, but the other 40 percent include
10 two or more services. Sometimes payers make an adjustment
11 for the second and subsequent services in terms of payment.
12 The idea here being that there are some efficiencies
13 associated with providing more than one service during a
14 single encounter. Medicare is doing this kind of thing
15 already with respect to surgical services but not with
16 respect to other services.

17 A final point to make has to do with coding edits.
18 These are rules, essentially, that are implemented observed
19 during processing of claims and they detect during automatic
20 claims processing any improperly coded claims. Examples of
21 that would be one service on a claim that is actually a
22 component of another service that's on that same claim. So

1 these coding rules would detect that. This is all part of
2 an effort, fairly transparent effort on the part of Medicare
3 called the correct coding initiative that allows for
4 clinical input in the process of establishing these coding
5 rules.

6 We checked with CMS and they asked the carriers
7 who process the claims to keep track of savings associated
8 with these edits and they reported to us that the savings
9 totaled \$333 million in the year 2002 which is approaching
10 about 1 percent of total spending.

11 What you will hear from the panelists is that they
12 too use edits like these. In fact some of them actually use
13 the CCI edits, but then they couple that with some other
14 edits as well. Instead of just looking at pairs of codes
15 that appear on the claims they might look at other
16 information on the claim like the sex of the beneficiary or
17 diagnosis. This is a way that they implement any kind of
18 payment adjustments for second and subsequent services that
19 are reported on a single claim.

20 So that's it in terms of just a quick snapshot,
21 overview of how Medicare is paying for imaging services. I
22 can answer any questions but we want to also keep an eye on

1 the clock here and allow plenty of time for the panel and
2 the discussion that follows.

3 MS. DePARLE: This is a very basic question. On
4 your first slide, Kevin, where you break down the
5 distribution of spending among types of services, I realized
6 -- I thought this was in the text but I didn't see it --
7 that I'm not sure I understand what standard is versus CT,
8 MRI. I understand procedures and how they're different, but
9 what is standard, the 23 percent standard?

10 DR. HAYES: The 23 percent standard, the standard
11 services are essentially plain film x-rays, chest x-rays and
12 that kind of thing.

13 MS. DePARLE: Thanks.

14 DR. ROWE: This information is very nice and sets
15 the stage for the discussion. If you have a chance it would
16 be interesting to see what some of the trends are over time.
17 These are kind of a cross-sectional look at the
18 distribution, and it would be helpful to see where the
19 growth is in dollars or in volume or in unit price, and just
20 over every other year for the last six years or eight years
21 or something like that so we can get a sense of what the
22 opportunities are.

1 DR. HAYES: Sure. I can recall some of those
2 details for you. We look at growth as part of our
3 assessment of payment adequacy for physician services and
4 what I recall from the analysis we did for the March report
5 was that in the areas of CT and MRI we see growth there in
6 the area of 15 percent or more per year per beneficiary.

7 DR. ROWE: Dollars or volume?

8 DR. HAYES: This is volume. That's volume in the
9 sense that it's both the units of service as well as any
10 changes in coding, intensity, or in the intensity of the
11 service. So we're at 15 percent, 17 percent, whatever it
12 might be in the case of CT and MRI. Echocardiography is
13 right around 9 percent, nuclear medicine is somewhere, it's
14 either in the 10 percent, 15 percent area, something like
15 that. Standard imaging is very low, more in the 4 percent
16 area I would say. And I just don't remember the imaging
17 procedure.

18 DR. ROWE: Thanks.

19 DR. REISCHAUER: Kevin, do you want to introduce
20 the panel?

21 DR. HAYES: I would like now to introduce our
22 panelists. We have with us today Miriam Sullivan, who is

1 the director of Allied Health Services for the Tufts Health
2 Plan which serves Massachusetts and parts of New Hampshire
3 and Rhode Island. We also have with us today Tom Ruane, who
4 is the medical director of PPO and Care Management Programs
5 for BlueCross BlueShield of Michigan. And third we have
6 Cherrill Farnsworth who is the CEO and chairman of the board
7 of HealthHelp Incorporated. HealthHelp is a radiology
8 benefit management company providing services to a number of
9 payers. So I'll turn things over to the panel and then
10 we'll have a discussion to follow. We'll begin with Miriam.

11 MS. SULLIVAN: Thank you very much for the
12 opportunity to be here this morning. I think Kevin's
13 opening comments were a nice dovetail to the experience that
14 we've had at Tufts Health Plan and I thought what I'd like
15 to do today is walk you through some of the key reasons and
16 drivers that we addressed imaging, some of the historical
17 approaches we use, some current considerations, and lastly,
18 just briefly touch on lessons that we have learned.

19 Essentially one of the key drivers that we formed
20 a task force within our health plan was rising concerns
21 about not only the cost but also the utilization trend as it
22 related to overall diagnostic imaging. During 2000 to 2003

1 we saw a 48 percent increase in advanced imaging procedures,
2 CT, MRI, nuclear cardiology, and PET scans. A majority of
3 that 48 percent was made up by MRI and CT. That was 90
4 percent of that increased trend. Collectively, as we looked
5 at our medical trend evaluation across the organization,
6 radiology quickly jumped to number five of the top 10 key
7 cost drivers. In addition, we were seeing different
8 avenues, requests and demand for compensation payment and
9 delivery of diagnostic imaging services and procedures in
10 traditional settings that we had not previously seen before.

11 Our historical approach up until then was
12 comprised of a number of things. We have had a provider
13 privileging program for approximately eight to 10 years
14 where we privileged physicians in subspecialties to be able
15 to before imaging services, and throughout the tenure of
16 that program we have enhanced that and expanded that and
17 feel that we have had great success with that.

18 Secondly, from a contracting perspective we went
19 throughout our entire network and really looked at where
20 were the services being provided, where were the
21 opportunities, and we went and recontracted with our entire
22 network and really expanded the freestanding service

1 providers and found that there was opportunity not looking
2 for access but also more innovative and creative ways to be
3 able to structure some reimbursement methodology. So that
4 was also part of this 13-month initiative that we concluded
5 in 2003 and continues in '04.

6 I will skip for a minute to our radiology advisory
7 committee. They've also played a vital role. We have a
8 group of practicing radiologists throughout our network with
9 specific subspecialties that we have chosen to be able to
10 get a global and unique perspective about what they are
11 seeing in their practice and also help guide on the clinical
12 programs, protocols, et cetera.

13 Lastly, during 2003 we made a concerted effort to
14 look at utilization management programs and vendors, and we
15 have spent significant time evaluating those and at the end
16 of that analysis we chose not to pursue that angle for a
17 number of reasons, but the salient points I believe was,
18 number one, in terms of the vendors that we selected for the
19 RFP process we found that the costs associated with that
20 contain some duplicate nature of what we had already
21 implemented at the plan. And in addition we heard intense
22 feedback from not only the member and the provider community

1 that we use that the role of the traditional gatekeeper
2 method within an HMO product, Secure Horizons was our
3 Medicare+Choice program, was a significant loud and clear
4 message that they did not see that role.

5 We understood that there would be some political
6 pushback from that so what we did was we engaged them in a
7 conversation to say, if not that, what would you be willing
8 to work with and how can we come up with a strategic
9 approach that will help us stem the utilization of also be
10 transparent to the members and reduce some of what the
11 perceived hassle factor was for the physicians?

12 So essentially from that 13-month initiative hat
13 we found is it really -- our key findings fell into three
14 specific areas. The increase consumer demand. We heard
15 loud and clear that our members want access and choice.
16 They want to be able to, as they are more informed in their
17 health care decisions, they absolutely want to be able to
18 have access and convenience in seeking out, and that's no
19 different for diagnostic imaging.

20 We also worked very closely with our employer
21 groups, and it was interesting over the past two years where
22 the cost of pharmaceuticals and all of the well-documented

1 experience with those trends, that radiology actually rose
2 to the top of their list ahead of pharmaceuticals as wanting
3 to know what were interventions that were going to be put in
4 place to help drive and monitor those costs and mitigate the
5 trend.

6 We found a real parallel between the direct-to-
7 consumer marketing of pharmaceuticals similar to the be well
8 body scans, give your family members and friends gift
9 certificates over the holidays. We had a large marketing
10 blitz in the Boston area and we had significant feedback
11 that people were feeling me-too, the worried well, that type
12 of approach, that we definitely heard that and it was
13 resonating in more frequency.

14 The second was just the proliferation of imaging
15 equipment. We have seen significant expansion in the
16 hospital outpatient departments, significant -- and I think
17 depending on what side of the coin that you sit on, there is
18 often documented reports about the lack of radiologists. In
19 the Boston area there's been a number of studies linking, is
20 it a true lack of radiologists or is it also keeping up with
21 the capacity and increased utilization? We're also
22 following some of those studies closely because I think

1 there's some merit in terms of the trend mitigation.

2 Lastly, we have seen over the past 18 months,
3 significant increase in physician-owned imaging equipment as
4 the cost -- it's almost two ends of the spectrum. The
5 hospital outpatient are purchasing the newest technology,
6 large expensive equipment, and as the technology comes down
7 to smaller size and cost that would fit well within an
8 individual or an independent delivery networks, the
9 physicians are looking to be able to purchase that as well.

10 Lastly, were the varied referral patterns, the
11 clinical protocols that we evaluated. What was the referral
12 process for people who physicians were vending services;
13 hospitalized outpatient versus a freestanding facility? The
14 second bullet, the distinct member receiving repetitive
15 testing is extremely concerning to us. Our clinical and
16 medical directors team are part of an evaluation with that.
17 It should be noted for oncology, PET scanning, mammography,
18 all of those screens that we would want people to seek were
19 excluded from this.

20 We looked at people with diagnosis of maybe knee
21 pain, knee strain, ankle strain, we looked at people who
22 were having testing ordered even before a physician was

1 evaluated. So they would call the office to say that they
2 had some discomfort. The office staff would order imaging
3 series. They go to the PCP's office and would have one of
4 those procedures done. They then might be referred to an
5 orthopedist who might do another battery of tests, and so
6 on. When we really drilled into the data and saw the
7 numbers of tests that distinct members were having, that was
8 extremely concerning to us.

9 That led us to take a step back and look and see,
10 rather than do a quick hit or a reactive approach, that we
11 really wanted to take a step back and look at what were all
12 the driving factors that influenced the increased
13 utilization of diagnostic services. As you can see on this
14 slide indicated here, we thought that there was really a
15 number of forces but we found that they were well-situated
16 into four buckets.

17 First, the consumer demand, the worried well. We
18 heard from a focus group of physicians who say that there is
19 significant pressure at the office to say, I want this
20 procedure, I want this test. So it's a new development and
21 that's where we saw the parallels with the pharmaceuticals
22 about the me-too drugs. So that was one component. And the

1 education and safety around that.

2 Secondly, the provider payment policies that we
3 engaged our physicians and our freestanding facilities to
4 actively seek and look at opportunities so that we didn't
5 need to do a broad brush approach and we really wanted to
6 incent the physicians that were using high-quality centers,
7 appropriate protocols, and not paint a broad brush,
8 especially where the physicians who were meeting the goals
9 and objectives that we were looking for. I'll speak in a
10 minute to some of the performance measures and contracting
11 initiatives that we embarked on in the past six months.

12 We also looked at benefit design and member cost-
13 share, looking at steerage to more cost-effective
14 facilities. In terms of benefit design, at least in the
15 Boston area in the local markets we don't see a lot of cost
16 shifting to the members in terms of copays or coinsurance
17 for imaging services yet but it's something that's been
18 talked about at length.

19 Lastly, our clinical coverage policy decisions,
20 how do we meet the challenges of new technology, is the new
21 technology more efficacious than existing or is it a case
22 of, in some instances that is appropriate but in others new

1 necessarily isn't always better? So what we've looked to do
2 is enhance our existing privileging program, expand the
3 credentialing requirements, and also expand our radiology
4 advisory board with specialties in specific areas to help
5 guide us in those procedures as well.

6 So the result of this is that we have just
7 recently kicked off a corporate-wide imaging steering
8 committee. We found that without the assistance and the
9 help from a clinical perspective, contracting perspective,
10 and a benefit design perspective, all of those components
11 could help us achieve the ultimate goal that we were looking
12 for. We also wanted to have a higher body from our senior
13 leadership level to be able to gauge the effectiveness and
14 understanding the trends in marketplace change, so how can
15 we be effective in monitoring that? So this committee will
16 be charged with approving the strategic goals, overseeing
17 the policy development, and also monitor the execution of
18 those key initiatives relative to diagnostic imaging.

19 The current initiatives that we have underway, as
20 you can see listed on the slide, really are five-fold. One
21 was provider payment restructuring. We have entered into
22 alternative reimbursement methodologies with our providers.

1 We've created incentives for preferred imaging facilities,
2 whether it's access, more ease to schedule for membership,
3 volume for steerage of membership to our identified or
4 preferred providers.

5 We've also looked at clinical coverage guidelines
6 and we have a team of medical directors that evaluate, along
7 with our radiology advisory committee, and develop policies
8 around the emerging technology and set guidelines for
9 expansion of services into non-radiology settings. I think
10 one of the things that was notable for the Tufts Health Plan
11 is we were getting consistent calls into our medical
12 directors from physicians who said, I took a weekend course
13 on ultrasound-guided biopsy, is this covered under your plan
14 or benefit design? We just started to tally what people
15 were asking for and realized that there was real need and a
16 real commitment to be able to set guidelines to ensure
17 quality and have a philosophical approach from our plan's
18 perspective.

19 We also looked to enhance our privileging
20 program. We do site visits and do credential all of our
21 imaging facilities, and we have worked with radiology
22 consultants to go out and really scan the equipment on a

1 more frequent basis, tie it to coding to make sure that we
2 are maximizing the way that the centers are billing it and
3 coding accordingly, and also use the enhanced privileging
4 program to endorse the physician education surrounding
5 clinical appropriateness and testing and really get our
6 physicians and the radiology advisory committee to work
7 hand-in-hand with our network physicians.

8 Probably the most novel and creative change the
9 we've experienced at the plan are performance measures.
10 When we had spoken about the utilization management programs
11 we heard loud and clear that the physicians did not want
12 that gatekeeper. We did focus group with some members along
13 a number of UM programs not just solely related to
14 diagnostic procedures, and what we did was we looked at what
15 would be a benchmark across our network. We evaluated the
16 performance of all of our physician groups and saw where
17 they fell above that utilization network and where they fell
18 below. What we were surprised to find is that it is very
19 focal and there are pockets of where the utilization is
20 driving a lot of the trend.

21 So what we have adopted are focal risk
22 arrangements to be able to give incentives to physicians to

1 get them to actively monitor the key drivers of trend, of
2 which radiology is just one of those areas. We have
3 actually seen some great success with that.

4 Lastly, the member education. We are embarking on
5 an education campaign highlighting the risks and benefits of
6 repetitive testing. One of the things that we thought this
7 dovetailed with, our launch of a new consumer-driven health
8 product in January of this year where this product enhances
9 members to get preventative screening and hospitalization
10 where needed, and gives them incentives and healthy rewards.
11 But it also takes away some of the cloudiness around
12 reimbursement structures. So we're providing transparency
13 around the true cost of these procedures. And as it relates
14 to a discretionary procedure, giving them the information
15 and the education so that they still have the opportunity to
16 make that decision, but we want it to be an informed
17 decision that they make.

18 Lastly, as a result of this we felt that from the
19 Tufts Health Plan perspective we wanted a strategic long-
20 term approach to look at the delivery of diagnostic
21 services, understanding that there will be continued new
22 technology, that the landscape may change, product design

1 will change, and really the hallmark of our approach is
2 relegated to ensuring that our membership have access to
3 quality care while balancing the intensified pressure for
4 cost controls.

5 We hear that in an increasing basis, that we
6 wanted a way to effectively manage the proliferation of that
7 new technology and have clinically sound protocols for
8 addressing that. But we also wanted to ensure that we had
9 member education and satisfaction, and lastly, achieve
10 physician engagement by offering incentives and decreasing
11 the hassle factor which in the past was really a deterrent
12 for helping us achieve that trend. We are approximately six
13 months into this latest initiative but we have had great
14 success.

15 DR. REISCHAUER: Thank you.

16 Dr. Ruane.

17 DR. RUANE: Thank you. I am always jealous when
18 I'm on a panel with someone from a real managed care
19 program, all the tools that they have at their disposal to
20 manage costs, and we have so little in my health plan. But
21 that's another story.

22 I was invited here today I think to really talk

1 about the practical application of three programs that we
2 use at BlueCross BlueShield of Michigan PPO programs that we
3 believe have had an impact on moderating the increased cost
4 of radiology services. I'll spend a few minutes talking
5 about that, but I have to give you just a bit of background
6 in terms of who we are and why we made the decision to do
7 the programs that we did to, again, put these in context.

8 BlueCross BlueShield of Michigan is a large,
9 single state, not-for-profit Blues plan. We have just under
10 5 million members. We have a history -- our success over
11 the past 50 years has really been in the administration of a
12 traditional indemnity insurance type product. That is
13 regulated quite tightly in the state of Michigan by a
14 specific public law that does apply to all non-profit large
15 health insurers but we are the only ones, so we believe it's
16 our own personal law. It really limits what we can do.

17 It requires us to allow every physician with an
18 active license to participate in our plan, and it requires
19 us to have equitable payment policies so that we have a
20 single fee screen for all participating physicians. It also
21 requires us to pay for, in general, all of the services that
22 are within the scope of practice for a particular physician.

1 So that really gives us very limited opportunity to manage
2 apparently. But some things that happened that have changed
3 that a bit.

4 Our business has migrated to a PPO structure
5 within BlueCross BlueShield of Michigan and we believe that
6 under the PPO structure we do have some more latitude in
7 terms of what we can do in terms of managing health care.
8 But we also really are well aware that both our doctors and
9 our members really like many of the aspects of their
10 traditional coverage, and we are really committed to
11 preserving that. So although we are a PPO structure, we
12 have 90 percent of the physicians in the state participating
13 with us.

14 We also do not have any primary care physician
15 assignment or control of referrals within our PPO network,
16 and we do, from the physician side, do operate on a single
17 fee screen for all physicians. We really have done minimal
18 limitation of types of services available that each
19 individual physician can provide. So that's the context.
20 We are, again, not a managed-care organization competing
21 with several others in a relatively mature market. We're
22 much closer to the way that Medicare is actually

1 administered.

2 I won't spend any time on this except to indicate
3 that in general 10 percent of the health care dollar goes to
4 imaging; about 20 percent annual trend. Just for rule of
5 thumb, all two-thirds of that goes to high-tech procedures
6 and about one-third goes to low-tech office-based
7 procedures. This is the pie that Kevin showed you only
8 sliced in two pieces. The trend, and I think there is
9 general agreement that the trend on the high-tech imaging
10 side is really higher.

11 What drives the trend? I think the number one
12 driver of the trend is technological advancement. These are
13 wonderful tests that are available that really have improved
14 the care of patients. Our fundamental business is making
15 these tests available to people. It really should go
16 against the grain to be talking about limiting access to
17 these tests and it really does. I think we really have to
18 keep in perspective the fact that we really want to make
19 these tests available without unnecessary or improper
20 barriers.

21 The other things that drive trend are medical
22 inflation, capacity, availability of the test. Anything you

1 have to wait in line a long time for will be delivered less
2 frequently. But the big piece that we believe, it's sort of
3 the intellectual underpinnings of all of this work is that
4 there is widespread practice variation among physicians and
5 that it is not related to differences in the patients that
6 they see and the illnesses that they treat. It really is
7 related to differences in practice style.

8 Again, among those things that cause that
9 variation are different degrees of concern about defensive
10 medicine. I think that's a genuine concern of most
11 physicians, but it's also maybe an excuse to act out for
12 other physicians who are so annoyed with this prospect.

13 Follow-up of previous positive tests. There is
14 nothing more annoying than having a \$500 test that was not
15 necessary and finding some odd thing that requires a \$1,000
16 test to the make sure that it really does not mean anything.
17 So I think it is important to not get into that kind of
18 cascade.

19 Our doctors tells us that patient expectations are
20 important and what are they to do? Their patients are
21 demanding these tests and sometimes they tell us that they
22 are demanding those tests because they're standing right in

1 front of them with their advertisement and their Val-Pak
2 coupon for the discount demanding this particular test. So
3 that's really an interactive issue.

4 Then finally, self-referral. This is a topic for
5 another day, obviously, but the extent to which the tests
6 that a physician decides on and orders for the care of his
7 patients or her patients actually results in benefit to that
8 physician is a real difficult issue in medicine across the
9 board, particularly in imaging. The Medicare program and
10 the federal government have written wonderful draft
11 guidelines on self-referral that I think have really moved
12 the discussion on this forward, but reaching consensus on
13 even definition and appropriate action across-the-board is
14 more difficult. But I think I would say that self-referral
15 is just the key to many of the issues that we are dealing
16 with here.

17 I think just one thing I want to say about why in
18 our situation we would do management of radiology services,
19 because I think there is a temptation to say, this is
20 wonderful stuff. Most of it's good. It's not cheap. It's
21 not easy to do anything about the cost. Sort of, let the
22 good times roll, let the market sort this out, and maybe at

1 the end of the year we will be able to, if we have high cost
2 and utilization we'll be able to decrease the price a bit.
3 I think that approach might or might not work. It has it's
4 own pros and cons to it.

5 But it's simply not an option for us. Many of our
6 customers are large businesses and over the past 30 years
7 they have been challenged and they've gone through wrenching
8 changes to deliver higher-quality products at lower costs.
9 They just are not going to listen to that type of an
10 argument, let the market work. They have done very
11 difficult things internally and they've imposed their
12 quality improvement processes on their suppliers as well.
13 So we are a major supplier for those companies and they are
14 really visiting us every day wanting to know what we're
15 doing actively to manage care, to deliver value for the
16 money.

17 I because that if you think about it, if we are
18 able to save \$3,000 or \$4,000 in our market, that funds the
19 health insurance for a worker who otherwise might not have
20 it, it allows a company to honor its commitment to a retired
21 worker who is Medicare age for health insurance, and to
22 honor their commitment for a drug benefit for, or Medigap

1 benefit for their retired employees. So it's very serious
2 business and we have to have very specific answers as to
3 what we're doing.

4 Three programs that we do. We require
5 precertification of high-tech, high-cost procedures. That's
6 the slice of the pie related to that that's growing most
7 rapidly. Privileging; Miriam mentioned. We restrict
8 payment for specific procedures to particular specialists or
9 provider types. Then thirdly, we include some general cost
10 profiling of our physicians' performance in our PPO panel
11 and a large piece of that really has to do with imaging
12 variation, which I'll mention briefly when I get to that.

13 This is a parts where I'm telling Cherrill her
14 business, so I don't think you can see if she kicks me, but
15 I'll let you know if that happens. But precertification is
16 a process whereby we require preauthorization of relatively
17 expensive procedures. It really makes sense to do this.
18 These procedures often new. They're ordered by every
19 physician and the indications for particular procedures are
20 not always known by the physician in practice. A new
21 technology might become available that would, even though
22 more expensive is now the appropriate test, and we don't

1 want a physician ordering an inappropriate test, even if
2 it's less expensive and then needing to do the better test
3 later on. So we think there is an opportunity for education
4 in this environment. So that's one of the reasons this
5 makes sense.

6 For the program to work what you need is the
7 providers of the radiology services have to believe that
8 they will not receive full payment unless an authorization
9 accompanies the claim that they send to BlueCross. So when
10 the doctor wants to order a particular test that comes under
11 this program, his office calls the imaging facility, tells
12 them it's a BlueCross patient. They need to say, we'll need
13 an authorization number. The doctor then calls the
14 precertification agency and obtains that authorization
15 number.

16 That, again, is an interaction that does come with
17 some cost. It comes with a cost actually for the health
18 plan to hire a vendor to do that, which I think is really
19 pretty necessary in this age. And then it comes at a second
20 cost to the doctor who needs to do this, even though he, the
21 ordering physician, is not in the game in terms of payment
22 for the procedure.

1 But I think there are pros and cons to this
2 particular program. The pros are, it doesn't raise
3 regulatory issues. It doesn't restrict the scope of
4 practice of any physician for ordering, or any radiologist
5 for performing the procedure. It simply requires this
6 precertification step. The quality improvement component
7 I've mentioned. We do find that a significant period of
8 time physicians are ordering the wrong test and our
9 radiology management program helps to get the right test
10 done.

11 But it works in the longer run by changing
12 physicians' practice pattern. When I call and want to order
13 an MRI for someone's back pain that they've had for four
14 days and they don't have any sciatica or other things that
15 make it particularly worrisome, once I call once and get
16 that precertified and they say, you know, doctor, the
17 standards are that if this pain is recent, if there aren't
18 any complications, you really can delay imaging for several
19 weeks. I will not call the next time I have a patient in
20 that situation. I'll learn those criteria and I will likely
21 wait a bit longer or look for specific findings before I
22 would order that test, that again, medical consensus would

1 regard as unnecessary at that point.

2 Than an additional benefit of this program is it
3 monitors for new technology and novel applications for
4 existing technology. We can get three claims for a CT scan
5 of the abdomen, a CT scan of the pelvis, and a radiology
6 claim that relates to a computer construction of an image
7 and the diagnosis is abdominal pain. We'll typically pay
8 that.

9 In our precertification program we will learn when
10 the doctor calls up to precert that that's a virtual
11 colonoscopy. There is not a code for that yet so it pays
12 under existing codes. The vendor that we use can tell the
13 doctor that this is not an approved technology at this point
14 for our health plan and not approve it. So that is an
15 unanticipated spinoff, a benefit of the program.

16 On the negative side, these are expensive and
17 specialized programs that you few health plans could carry
18 off on their own. They do require vendors doing very high-
19 quality business. It adds a non-reimbursed administrative
20 expense to the ordering physician for every study. Then
21 finally, because it works mainly by the effect of educating
22 the physicians and telling them what the criteria are, you

1 lose the high rate of denials very quickly, even if you do
2 see them. So it is difficult to document internally for us
3 to justify the continued expense of these programs when we
4 don't see a big difference in trend. We do see some
5 difference but we don't see a big difference in trend from
6 year-to-year.

7 But I think in the main we believe that this is an
8 effective program. We think that the charge that we need to
9 give to our radiology vendor in this program is to
10 absolutely minimize the interaction cost for the appropriate
11 procedure. Get that down to nothing if they can. They are
12 able to use telephonic, fax, and web-based technologies to
13 really reduce those costs and increase volume. And then
14 secondly, to really have available when the doctor calls, if
15 the test is questionable, an appropriate specialist to
16 really guide them in the right direction. Both of the those
17 things can be fairly expense to carry out.

18 Privileging is the restriction of payment defined
19 to particular specialists. We do have this program in our
20 PPO program. We don't apply it to a terrific number of
21 procedures. Radiologists are paid for all studies, and then
22 appropriate specialists are paid for specialized studies.

1 The main impact of this is that it does eliminate high-
2 volume, low-quality non-invasive studies in the primary care
3 physician and podiatrist's office. Doppler, ultrasound,
4 echo kinds of studies really are in that situation. And
5 then nuclear cardiology is a very high-volume, high-cost
6 procedure that we really do not want to see disseminating
7 out of the specialist environment.

8 Pros and cons of privileging? It is relatively
9 inexpensive but it does require accurate specialty and
10 provider type listing in a computer file that your payment
11 file can talk to. If you have not paid in a health plan
12 anything based on specialty before you might be surprised
13 that you don't have that. We were surprised that we didn't
14 have it when we tried to implement the program, and it does
15 require some work to get those systems talking.

16 It eliminates high-volume, low-quality studies.
17 The diagnostic equipment that becomes somewhat obsolete in
18 our tertiary medical centers often does not go to the Third
19 World. It often goes down the street to another doctor's
20 office where it lives another life.

21 Against the privileging, it really does restrict
22 for services within the scope of practice of a physician,

1 something that physicians are very sensitive about. It may
2 limit access in a rural area, and we have exempted our rural
3 counties from this program to deal with that. And it's a
4 blunt tool. There are primary care physicians out there who
5 do these tests only when they're absolutely necessary and do
6 a fine job, and unless we want to get down to the even much
7 more expensive proposition of privileging them individually,
8 which again, our overhead doesn't permit us to do, we impact
9 them as well and we really wouldn't want to do that in a
10 perfect world.

11 The final thing I'll mention very quickly is that
12 within our PPO program we profile the cost of care for each
13 of our physicians within a number of specialties. We
14 haven't figured out how to do it for everyone, but we do it
15 for primary care physicians, allergists, dermatologists.
16 We're doing it for pain medicine specialists now and a few
17 other groups. We look at the ones whose cost of care is
18 substantially higher than their peers, and we identify and
19 notify the high-cost outliers of the pattern. Again, when
20 we send them a letter saying, the cost of care in your
21 practice is pretty high, we find that that has been
22 generally ignored and had no impact.

1 But our current letters say, because costs of care
2 in your practice is very high our credentialing committee
3 has voted to remove you from our network. Then the rest of
4 the letter tells them how they can stay in. Those letters
5 do get some attention. So the possibility of sanctions has
6 to exist, not just on paper, but in the physician's mind.

7 Pros and cons of profiling are that the process
8 clearly focuses on the bad apples. When physicians object
9 to administrative cost of doing precertification or losing
10 of clinical privileges they always say, I'm a good doctor.
11 Why don't you go after the bad apples? This is a program
12 that really does focus on people who are at least
13 statistically inordinate utilizers of various procedures.

14 It can be applied to many procedures. We find
15 that imaging is always a major contribution to cost of care
16 in our primary care specialty areas. But it does apply to
17 things that we see a lot that you folks are not as concerned
18 about like acne surgery, but also physical therapy; a number
19 of procedures that can put people in this situation.

20 The other positive thing is that the impact is
21 usually correction. Eighty percent of the time when we
22 notify a physician of this type of practice pattern, within

1 two years they are within peer norms, which we regard as
2 within 25 percent of the peer group in terms of average
3 payment per patient. So the impact is usually correction.
4 The need for disaffiliating doctors from the network is much
5 less than you might anticipate.

6 On the con side, it's something that you can't do
7 without a large database for comparison. It's time-
8 consuming and confrontational. It's the opposite of
9 precertification which really is best done by a highly
10 specialized organization. This really can only be done by
11 someone that does it every day within the health plan. The
12 have to understand what's going on in Flint, Michigan, and
13 Saginaw, Michigan and Grand Rapids, Michigan and our various
14 issues around access and specialty really to do this
15 appropriately. So it's not an easy procedure.

16 Then it must consider reasonable practice
17 variation and risk adjustment. The physicians want to have
18 us adjust their data to compensate for the fact that their
19 patients are sicker and all of the other reasons that
20 physicians believe cost is high, and we aren't able to do
21 that electronically, but we do do that on a one-on-one
22 basis, and then physicians are very sensitive to this type

1 of sanction.

2 Methodologically complex to say what the outcome
3 is, but we believe that we achieved initially an absolute 10
4 percent reduction in cost of outpatient imaging at the
5 beginning of the program and a slightly lower continuing
6 trend that results in somewhere between a 20 percent and 30
7 percent difference between what we would have experienced in
8 managed care and what we have in our PPO.

9 Just three bits of information that talk about
10 this self-referral, just if you are concerned that it might
11 not really exist. There's publications that show selected
12 imaging costs four to seven times higher when they're
13 provided by the ordering physician, even when the services
14 are readily available outside the doctor's office. That
15 makes a big difference. We have one experience where
16 neurologists owning an MRI equipment resulted in 30 percent
17 higher community-wide utilization. And then our radiology
18 vendor has told us that they managed two areas next to each
19 other, adjacent areas, where the nuclear cardiology
20 procedures are twice as high in the environment where the
21 cardiologists own and operate the nuclear imaging machines
22 compared to similar environment where those are in the

1 hospitals and the cardiologists don't have a financial stake
2 in the use of that equipment.

3 Thank you.

4 DR. REISCHAUER: Thank you. Ms. Farnsworth.

5 DR. HAYES: Let me, if I may, just check on our
6 time here. We are scheduled to go until 11:30. Cherrill
7 has a 15-minute presentation. Is it okay if we go over a
8 little? I'm not sure how long the discussion is going to
9 last but I have a feeling it's going to be a little bit more
10 than --

11 DR. REISCHAUER: The longer the presentations
12 take, the less the discussions will take.

13 MS. FARNSWORTH: I will try to help catch us up,
14 because I've always been able to talk fast anyway.

15 HealthHelp is a radiology benefit manager that's
16 really based on evidence-based medicine, quality and safety.
17 We believe that methodologies that have resided in imaging
18 in the past haven't worked or we wouldn't see the trends
19 that we are seeing today. Within HealthHelp we see anything
20 from 15 percent trends to one large Midwest BlueCross
21 BlueShield plan that had a 40 percent trend in outpatient
22 imaging. We have about 17 million lives in our data

1 warehouse so we have a wonderful ability to look at
2 different plans with different benefit design and that are
3 doing different tools and see what is working best, and also
4 see the feedback from those physicians that are interacting.

5 There certainly are programs -- we have seven
6 standardized programs. We only have one plan that we for
7 that is using all seven, because in certain geographic areas
8 things are appropriate or things are not. I know that is
9 something that's very hard for Medicare to deal with.

10 Our programs are focused on making sure that we
11 get the appropriate procedure, and hopefully not with a
12 hassle factor, but more on evidence-based, education,
13 appropriate site of service, and the correct payment. We
14 tell radiologists and other imagers, we certainly want to
15 pay them for what they did, but it's very important that we
16 don't pay them for what they didn't do.

17 One of these programs, as you can see on this
18 slide is about provider privileging. I think we've all
19 talked about it. I think it's becoming very important. Our
20 programs are all evidence-based based on peer-reviewed
21 literature, not the world according to us, which I think is
22 very important. At any rate, it's specialty specific. We

1 want doctors to be able to do those things that they were
2 trained to do in their residency program. But if they
3 haven't been trained to do them, we don't want them doing
4 that.

5 An off-the-wall outlier example is we have a plan,
6 one of our plans who actually has podiatrists reading MRIs,
7 and they are having to reimburse that. That's a severe
8 example but it's a lot of money, and these tests many times
9 get done over because no surgeon or therapist is going to
10 act on an exam that he doesn't feel was read by the right
11 person.

12 So our provider privileging focuses on non-
13 radiologist. We have discovered that the quality in a non-
14 radiologist's office on equipment and on the professional
15 read is very low. As a matter of fact this literature here
16 points out that 10 percent to 35 percent of non-radiologists
17 have an error in their imaging examination. Sixty percent
18 to 90 percent of all non-hospital physician-based imaging is
19 performed by non-radiologist. So when we look at our
20 imaging costs and our spend, we have to look at the non-
21 radiologists. Otherwise we're the tail wagging the dog;
22 we're not hitting the biggest piece of our spend. And of

1 course, we believe that all of this must be based on
2 published literature and national experience.

3 What I did for you, and I'm not going to spend
4 time on these numbers -- you have them and can look at them
5 later -- is I used an example of one of our payers. They
6 have 2 million PPO members, all fee-for-service like
7 Medicare. They spent \$709 million in outpatient radiology.
8 None of these savings are based on inpatient. Their trend
9 was 12 percent when we took on this task, and I wanted to
10 show you what they saved by implementing different ones of
11 these plans.

12 Provider privileging. We have certain areas that
13 we don't believe any imaging privileges are merited based on
14 the education of those physicians. Ones that do, and as you
15 can see here, for this program was a \$45 million potential
16 savings. What we have shown here is a \$27 million saving
17 because we see that about 40 percent are going to the right
18 doctor. So they're not eliminated, they're just going to
19 the appropriate physician. So with that in mind, about a
20 \$27 million savings.

21 Site inspection. This is one that is just near
22 and dear to my heart. I don't think Medicare enrollees or

1 any citizens of our country should be exposed to some of the
2 old imaging equipment and high radiation dose that we see.
3 We've seen a lot of equipment that's pretty shocking that's
4 used in physicians' offices.

5 What we're doing is literally assessing the safety
6 and technical quality of outpatient imaging facilities.
7 This is a program that is not about high quality. This is
8 about minimum safety. Just please keep our members safe.
9 We provide objective information that we can use for
10 participation and the technical component privileging. We
11 then can assure our members and their physicians that the
12 contract imaging facilities are safe. And it definitely
13 complements provider privileging.

14 I'm showing you this from a plan. This was
15 actually published and presented at the RSNA by our group
16 and also published in Radiology by Dr. David Levin and Dr.
17 Bill Oreson, a part of HealthHelp. This is interesting.
18 This plan, they actually had a chiropractic vendor who had
19 represented and warranted that all the imaging equipment was
20 safe. We found podiatrists using old dental equipment to do
21 toes. We found facilities that actually had no imaging
22 equipment at all and were billing our payer. We found one

1 internal medicine physician who the nurse said the chest
2 machine hadn't been plugged in in four years. It didn't
3 work, but they were showing a positive or a negative film to
4 their patient and then billing our plan.

5 I will tell you that this plan is in the state of
6 Utah, the healthiest state in our country. So this is not
7 something where we're going to a place we expected to see
8 poor imaging equipment. Remember, this is not what we would
9 consider high quality. This is basic safety. Forty-nine
10 percent of all chiropractors in the network did not pass.
11 And unfortunately, we had one radiology group that didn't
12 pass either based on old CT scanner that they had in the
13 practice from the 1980s.

14 The savings opportunity here was pretty clear.
15 This plan was adamant that their enrollees were going to be
16 safe and they were going to meet certain minimum standards.
17 You in Medicare have this type of thing, a precedent for
18 this with mammography already that's overseen by the FDA.
19 The savings opportunity for this plan was \$5 million dollars
20 and we certainly saw that -- really this was conservative
21 because it was based on a 5 percent reduction. Most of our
22 plans see something like 10 percent reduction in cost

1 because of the certification.

2 We do do claims editing and claims review. We
3 find that that's a very strong area to save money and it's
4 certainly not -- we do use the CCIs as Kevin Hayes had
5 referred to. But more than that, we've added a number of
6 edits based on technology, changing technology. As an
7 example I'll to you, when the CPT code for CT of the abdomen
8 and CT of the pelvis were developed, those were two very
9 separate exams. Today with ultra fast slip ring technology,
10 that second exam might take an extra two minutes or three
11 minutes. Does that radiologist expect to receive two
12 payments? We haven't had any pushback when say, no, that's
13 one exam on the technical component.

14 So we have a lot of edits that we've added that
15 are just based on all the good things that have happened
16 with new technology that have now made our payment policy a
17 little obsolete.

18 The savings opportunity in our plan here, if you
19 look at the risk management edits, these are edits that have
20 to do with paying a fraudulent claims inadvertently. So we
21 consider that risk management because if you're working for
22 an employer he's certainly not going to like you spending

1 his money that way. The policy edits that I had referred to
2 earlier, combination edits, those edits are all based on
3 technology, not on medical necessity. The savings
4 opportunity here was \$48 million, \$49 million. The savings
5 that we projected was \$31 million, assuming that the plan
6 might only take 40 percent of our policy edits.

7 We are big believers in consumer education. We
8 believe that citizens of our country, enrollees in our plan
9 are our partner, and when we can get information to them
10 they will vote with their feet. They want to know and they
11 will study and they'll read. Some of our plans have
12 actually used this for benefit design as well. This program
13 is called Rad Aware. It's written at the sixth-grade level.
14 We actually had teams of sixth-graders take it and pass the
15 test and understand it.

16 So one of the things that we're teaching is that
17 imaging is good. It's great to have your mammography. You
18 need to do that. We also talk about the fact that asking
19 for, as Miriam pointed out, a full body CT is not what you
20 want because the radiation load you're getting and also the
21 false positives that you might have that frighten you and
22 lead you down a path that spends a lot of money.

1 So we want patients to participate with their
2 doctor in these imaging decisions and have some thinking.
3 They have a right to ask, is a radiologist going to read my
4 exam? They have a right to ask, has anyone accredited this
5 facility? We want them to know that.

6 Our savings opportunity here we're never going to
7 know, but just a conservative guess, if there were only two
8 scans per doctor per month that were not done because a
9 patient asked for it and those only cost \$100, a national
10 opportunity for savings here is \$400 million. I think you
11 who are physicians know that two scans not done per month at
12 \$100 each is pretty low. But Rad Aware for enrollees, we
13 have found has been very important.

14 We also show the enrollee knows what his copay is
15 when he schedules his exam, he understands what his copay
16 his, and he understands it's different many times based on
17 where he goes to have his exam.

18 Physician proficiency in ordering. We think a
19 highly-educated ordering physician panel will get way in
20 front of the power curve as far as trends. Instead of the
21 hassle factor -- and this is why we're friends anyway.
22 We're sparring a little bit -- is that instead of the hassle

1 factor of calling and asking, what if you knew already,
2 because you actually took an online exam?

3 So we have an online ordering physician exam, four
4 hours of CME credit, all based on evidence-based literature.
5 You can't fail because it's multiple choice. You click on
6 the pdf file, read the peer-reviewed literature. It has the
7 answer in it. Then answer the question. It's actually
8 scored while you take it so you can see if you're -- what we
9 see is the first two or three they miss because they're not
10 reading because they think they know this already. Then the
11 rest of them, they start reading and they pass.

12 So it teaches things like only use imaging when
13 it's going to influence your clinical decisionmaking. If
14 you are going to do imaging but you're not going to do
15 surgery anyway, then why do it? Instead of ordering the
16 multiple exams, only order one.

17 Summary of our solutions, just to take clear you
18 quickly through that. The problem, the solutions and the
19 lessons that we've learned. I think we all have stated that
20 self-referral leads to over-utilization. We see it in the
21 data. We've seen it in the studies that the GAO had done in
22 Florida.

1 The solution. Criteria for physician privileging
2 based on evidence-based literature.

3 Lessons learned. You can save, in this example I
4 gave you, a lot of money. The quality of imaging facilities
5 varies widely, and it's a safety issue. It's important.
6 When the bad actors go away you save a lot of money.

7 Loose rules on claims payments. We need to
8 tighten those rules and make sure that we're spending our
9 money wisely, just like we do in other areas.

10 Patient demands waste exams. So consumer
11 education. The correct exam is not always ordered. We love
12 our Rad Excel program. We find the ordering physicians like
13 it, and we do give incentives, or our plans often give
14 incentives around a higher reimbursement if you have taken
15 this exam. You can afford to do that. One of our plans
16 actually is giving a flat \$300 if you take the exam. Talk
17 about the return on investment. If he just ordered one less
18 CT next year, it's huge.

19 And ordering MDs need to be empowered with updated
20 information. They can't keep up with it all and they need
21 to have this in front of them.

22 I'm going to end with that and we can move on to

1 the questions.

2 DR. REISCHAUER: Thank you. We'll begin with
3 Ralph.

4 MR. MULLER: Thank you to all three of you for
5 this array of fascinating information. One of the ones that
6 probably was most alarming to me is the facility failure
7 rate and I want to explore that chart with you a little bit
8 more because I'm a little surprised that based on the
9 failure rates you have on that chart which go 7 percent to
10 40-some percent, that the savings that you estimate is only
11 about 5 percent. That surprises me.

12 Second, I would say, when you have the kind of
13 proliferation of imaging to places that are not as
14 traditionally regulated and scrutinized and you show that in
15 one of your other charts, and you combine that with the
16 consequences of self-referral and I think Dr. Ruane and
17 Miriam also talked about how the incidence is higher, and
18 this is known in national studies when the people ordering
19 it own part of the facility and so forth.

20 So first I'd just like to get the facts, why is
21 only a 5 percent savings on the facility failure rate. But
22 then maybe speak a little bit more -- it strikes me when

1 sometimes we're talking about how the market model may save
2 more in terms of -- than the regulatory model, there seems
3 to be some evidence here that regulating these facilities
4 more fully the way other institutions that are more used to
5 being regulated, may have some real power. And especially
6 when you put that together that in many of these facilities
7 that have conflicts of interest in terms of ownership and so
8 forth.

9 So maybe any one of you or maybe Cherrill first
10 can -- maybe you can speak to your chart first and then
11 maybe you can all speak to the coming together of these non-
12 regulated facilities with a complex of interest in
13 ownership.

14 MS. FARNSWORTH: The 5 percent that you saw, there
15 was a 180-day right to cure, so some folks did cure, which
16 is good.

17 MS. DePARLE: What does that mean?

18 MS. FARNSWORTH: We actually had a course on CD
19 that we gave to everyone on how -- if your failure was this,
20 this is what you do to cure it. We let them correct it. It
21 wasn't punitive. All we're asking them is to be safe.

22 MS. DePARLE: So correcting it means changing

1 their equipment, or what would they do?

2 MS. FARNSWORTH: Changing their equipment.

3 MS. DePARLE: Because if they did a read wrong,
4 it's wrong.

5 MS. FARNSWORTH: Exactly. If they did a read
6 wrong, it's wrong. But this is equipment, so it would be
7 replacing a piece of equipment. I think the state of Utah,
8 there are many physicians that have the money to do that. I
9 don't think we would see that on a national basis. But 5
10 percent of your imaging spend is a lot of money.

11 DR. REISCHAUER: But also the fraction of all
12 services delivered by radiologists is probably very hot and
13 they have the lowest rates, so there's a weighted average of
14 these failure rates.

15 MR. MULLER: Bob, one of the other charts points
16 out that when it goes to the distributed settings, then in
17 fact it's not -- the radiologists are the ones in
18 institutional settings. But by and large, once you go to
19 these distributed sites -- I have to see what table it is --
20 then in fact it's these other people who start doing the
21 imaging much more fully. I can't remember whether it's
22 Tom's or Miriam's tables that indicated that.

1 DR. RUANE: If I could just comment on that as
2 well. Really I think the market is always important and I
3 think that if you take the approach that you are going to
4 cut fees or not allow fees to increase for professional
5 services like evaluation and management codes, this is
6 exactly where the increased payments comes up, with more
7 frequent tests.

8 We actually had an inspection and accreditation
9 program initially and we found out because of the size of
10 our plan, when we found really bad equipment doctors bought
11 new equipment and had to support that. If you want the kind
12 of doctor that's doing toe x-rays with a dental machine to
13 buy new equipment and have to pay it off, I think that's the
14 balance of where you get to with that. But I think all of
15 us agree that this type of safety needs to be addressed, but
16 the economics are difficult.

17 MS. SULLIVAN: I would also agree because I think
18 one of the benefits that we have found is that by expanding
19 the freestanding imaging facilities, increased competition,
20 less desire for the physician groups to purchase this, and
21 also incent them so perhaps it isn't the revenue stream that
22 they were doing by the volume, but getting them to subscribe

1 to the quality and the evidence-based guidelines that there
2 can be some win-win where they're going to be able to be
3 benefitted for following those protocols without just having
4 the proliferation and having the capacity issues that we
5 see.

6 MR. MULLER: Also just as a follow-up, I'd like to
7 have you -- I think you're commenting on where I see the
8 convergence of the distribution of the imaging equipment,
9 especially to be people where there may be some real
10 incentive to higher use through self-referral. I would also
11 -- I think we discussed a year or two ago, and I don't know
12 whether you have estimates, as to how much the cost of
13 imaging equipment is going down and some kind of --
14 obviously, it's hard to think of this as a weighted average,
15 but there have been -- this is one of the areas in which in
16 fact the technology is considerably less expensive than it
17 was four or five years ago. I know at least some of the
18 large companies, the GEs, the Siemens and so forth, seem to
19 have an aspiration to put one of their imaging devices in
20 every doctor's office in America.

21 So I thin that will continue to occur and
22 therefore we'll have these two factors working together.

1 MS. ROSENBLATT: My question is for Cherrill.
2 Your slides weren't numbered but there's a slide that shows
3 a savings opportunity projected PMPM of \$35.83, which I find
4 astounding. Was that a Medicare population, a commercial
5 population? And what's included in that number?

6 MS. FARNSWORTH: It's a commercial population.
7 It's not Medicare. And it's on the slide that's titled
8 what? Under which program?

9 MS. ROSENBLATT: It says, imaging facility
10 technology certification.

11 MS. FARNSWORTH: This is on the site accreditation
12 process, the facility accreditation process. Most of the
13 money in this particular situation was in non-radiologist
14 offices that did not have equipment and the savings, as we
15 pointed out, is huge. But not only that, the patient safety
16 issue is a big one.

17 MS. ROSENBLATT: So is this a fraction of the
18 total membership then?

19 MS. FARNSWORTH: Of this plan?

20 MS. ROSENBLATT: Yes.

21 MS. FARNSWORTH: This is the PPO line of business
22 in this plan.

1 MS. ROSENBLATT: The total PPO membership?

2 MS. FARNSWORTH: Right, 2 million lives.

3 DR. ROWE: If I can help, here's I think the
4 problem that Ms. Rosenblatt may be having, and that is that
5 if this is a commercial population with a total PMPM of \$200
6 per member per month and you're going to save \$35 per member
7 per month, that's 17 percent, which is 7 percent more than
8 the total cost of imaging. So that not only is all imaging
9 disappearing but you're saving twice as much as you would if
10 all the machines were thrown out. So you have to have the
11 same number of protons and electrons or something here. You
12 can't do this unless the PMPM is \$400 or \$500 per month, in
13 which case it wouldn't be a commercial population.

14 MS. ROSENBLATT: That's why I asked.

15 MS. SULLIVAN: I think the other component, and
16 maybe this is in relationship to that, that we found in
17 evaluating the vendor programs and we solicited the
18 experience of 15 plans throughout the country, and we found
19 that the plans who had percentage off or discounts, more
20 indemnity-based networks saw significant savings, and part
21 of that was just steerage to lower-cost facilities. That
22 definitely helps to bring this --

1 DR. ROWE: Ms. Sullivan, we're not questioning
2 that. We're questioning, if I'm spending \$15 on something,
3 you can't tell me I'm going to save \$25 on it by using your
4 program.

5 Do you guarantee this savings?

6 MS. FARNSWORTH: We have performance penalties in
7 our contracts. But if you look at this, the projected spend
8 is \$949 million. The savings is \$5 million.

9 DR. MILLER: So the PMPM isn't necessarily the
10 savings number.

11 MS. FARNSWORTH: No, the projected PMPM is the
12 gross amount --

13 DR. ROWE: So what is the savings on a PMPM basis?

14 MS. FARNSWORTH: There are 2 million people in
15 this plan --

16 DR. MILLER: It will be roughly 5 percent of \$35.

17 MS. FARNSWORTH: Exactly. I'm sorry, the
18 projected PMPM is if you did not put this program in place.

19 DR. ROWE: PMPM for what? Is this radiology or
20 all health care services?

21 MS. FARNSWORTH: All modalities in imaging.

22 DR. ROWE: Just imaging.

1 MS. FARNSWORTH: In imaging. So chest x-rays
2 through PET scans; mammography.

3 DR. MILLER: So the way I read this slide is \$35
4 per member per month in imaging. Then you go through the
5 multiplication to get the total spend, and then you take 5
6 percent in savings.

7 MS. FARNSWORTH: Exactly.

8 MS. ROSENBLATT: But \$35 is a very high PMPM for
9 imaging.

10 DR. ROWE: It's a very high number for a
11 commercial population.

12 MS. FARNSWORTH: This is a plan that has a lot of
13 indemnity. It's a large Blue plan with a lot of indemnity
14 work. And it's in a state that we believe, and this plan
15 actually ended up believing, that the consumers were driving
16 a lot of these costs.

17 DR. ROWE: Are these savings net of your expenses
18 and your charges --

19 MS. FARNSWORTH: Yes.

20 DR. ROWE: -- or are these before?

21 MS. FARNSWORTH: Net of our fees.

22 DR. NELSON: And they pay chiropractors

1 [inaudible]?

2 MS. FARNSWORTH: Right. Mostly self-insured
3 employers. Mostly indemnity. It is not a CON state so
4 there's lots of equipment everywhere. Clearly they had to
5 do something about their imaging costs.

6 DR. ROWE: Moving on, just a couple observations.
7 One is nomenclature, which I thought was kind of interesting
8 and almost sad in a sense. But Ms. Sullivan said -- it was
9 interesting -- we're concerned that too many patients are
10 being scanned with the machines and she said that one of the
11 things that she was doing was they were going out and
12 scanning the machines. So not only are we scanning the
13 patients but we're scanning the machines. We should use a
14 different word there. It sounds like we've got machines
15 scanning machines.

16 But I think that's an interesting difference
17 between, or a subtle point here on precertification that
18 everybody should be aware of, because physicians are
19 allergic to precertification because it's telling them how
20 to practice medicine and they don't like that. I understand
21 that.

22 But one of the ways that this is done in some

1 plans, I think, is that you don't have to do necessarily
2 precertification as long as you do prenotification. That is
3 you say to the physician, okay, you can order that procedure
4 on that patient but you have to call us and tells us you're
5 doing it. At which point -- it's not like you have to get
6 our approval, you just have to notify us.

7 When that phone call comes in then the health plan
8 can say, thank you, doctor, and by the way, the radiologist
9 in our network with whom we have a contract who is closest
10 to that patient's home address is doctor so-and-so and we
11 want you to send the patient to that doctor for this scan.
12 Because one of the major drivers of cost here, as was
13 included in one of Ms. Sullivan's slide is leakage, and one
14 of the issues is steerage. So that if you have a network
15 that you're contracted with at certain rates but the doctors
16 are self-referring or referring to the doctor down the hall
17 who's in their group or in their building who's not in your
18 network, that is a source of a lot of the additional
19 expenditures. You can actually influence that without
20 necessarily precertifying as long as you can prenotify or
21 somehow get the doctor or the patient on the phone before
22 the test is done.

1 So that's a subtle difference but I think -- I
2 don't know if you've had experience with that but I know at
3 least one plan has had some positive experience with that.

4 MS. FARNSWORTH: We definitely do that. Not only
5 do we at that time keep the patient in network but we also
6 give him his differential copay, because in many of our
7 plans, if they go to the hospital outpatient they have a
8 larger copay and if they go to freestanding they have a
9 lower copay. We also tell the patient -- this is including
10 the enrollee in decisionmaking. We also tell the patient if
11 they charge to park, if they're on a bus line, if they
12 provide free transportation, their hours of operation.
13 These things are really appreciated.

14 DR. RUANE: Just a quick comment. I think the two
15 things are subtly different but they can merge, and a
16 prenotification requirement that includes some clinical
17 information and produces automatic approval if they're met
18 becomes precertification. Also, no physician believes that
19 he or she needs precertification, but many believe that
20 their colleagues would benefit greatly. So again, it's one
21 of those beliefs that needs some testing.

22 MS. FARNSWORTH: Another thing that we have done

1 that I think is helpful is even though it's notification, as
2 you said, Dr. Rowe, if the test does not look like it falls
3 into appropriate exam, we're auto e-mailing and auto faxing
4 out the peer-reviewed literature regarding what the right
5 decision would have been. We don't say no.

6 DR. ROWE: If I can just continue one more second.
7 One approach that we've tried which has worked in certain
8 geographies is a kind of redux approach. That is, we've
9 gone to capitation.

10 What has happened is we have capitation contracts
11 with large imaging groups and they get a capitation fee for
12 all the Aetna patients in the area. So that when a doctor
13 feels that he needs a CAT scan or an MRI of an elbow or a
14 shoulder, he'll send a patient to one of our participating
15 radiologists who's capitated. Then it's not us telling the
16 doctor that he doesn't need an MRI of that shoulder; that a
17 plain film of a certain view is really the right x-ray, or
18 no x-ray at all. What's happening is a radiologist examines
19 the patient who's in our network and then calls the
20 referring doctor and says, Joe, I've seen Mrs. Smith and
21 I've examined her knee and I know you ordered an MRI but
22 this is the test you really need and that's the one we're

1 going to do.

2 It's a little bit like when I was a practicing
3 physician I didn't order an operation. I ordered a surgical
4 consultation and the surgeon came and told me whether he
5 thought the patient should be operated on, and if so, what
6 operation they needed. I wasn't telling them what operation
7 to do. I was an internist seeking advice. We'd like to get
8 our physicians thinking, and I think in Medicare, Medicare
9 should get their physicians thinking that they're getting
10 advice from radiologists about what test is the test to be
11 done rather than getting Medicare in between the referring
12 doctor and the radiologist.

13 MS. DePARLE: Jack, does this mean that you will
14 not reimburse the doc for doing it in his office? So under
15 these arrangements in the geographies where you use them,
16 they send them to the radiologist group?

17 DR. ROWE: Yes, I think in those geographies where
18 -- I believe that that's the case but I don't know it
19 specifically to be the case so I don't want to be quoted.
20 And there are only so many geographies where we can find a
21 big enough radiology group that confident enough, et cetera,
22 and our volume and our market share is big enough so that we

1 can develop a mutually beneficial arrangement to capitate.
2 But where we do it, I think it controls costs and it
3 improves quality.

4 DR. REISCHAUER: But you also have to monitor
5 access because the radiology group has an incentive to, at
6 the margin, choose somebody who's outside of your system
7 because they get a benefit from that and they don't get any
8 benefit from one more scan for your patient.

9 DR. ROWE: I think that's right. But you have
10 some data available in an ongoing way to give you a sense of
11 whether the utilization is appropriate.

12 What you really get is you get feedback from the
13 referring physicians saying, this is working or it's not.
14 And many times they say, you know, I've learned a lot over
15 the last six months in all these conversations with
16 radiologists about which x-rays I've been ordering all these
17 years and which ones I should have been, and that feedback
18 part is very positive.

19 DR. NEWHOUSE: Dr. Ruane said he was jealous or
20 something like that of Miriam Sullivan working for a real
21 managed-care plan. I think that probably you can square
22 that for Medicare.

1 I was wondering if any of the three of you had any
2 reflections on whether any of the techniques you talked
3 about could be transferred into the traditional Medicare
4 world or not.

5 MS. SULLIVAN: I think that probably the greatest
6 opportunity is around payment restructuring. I think we all
7 talked a little bit about things like continuous body part,
8 looking at multiple procedures. I also think one of the
9 things that we're really excited about in the Boston area is
10 that meeting with the physician groups and the large IDNs,
11 they're putting their own programs in place to say, we hear
12 loud and clear what the options are out there. We did throw
13 out some capitation arrangements, similar to what we do for
14 lab services, and really looking at what is the best
15 opportunity that we all have a role to play in this.

16 We've seen in one particularly large IDN, they've
17 hired radiologists internally using the American College of
18 Radiology guidelines, and depending on where their
19 physicians within that IDN sit, if they are above the
20 benchmark they need to consult with their internal
21 radiologist. So I think we've seen success and put the onus
22 on the particular physician group.

1 I think the other piece of it gets to the self-
2 referral. I think if that continues, we start with x-rays
3 and now with all of the other advanced imaging that we
4 talked about, to the extent that that's allowed to continue
5 and they set up that -- then I think it's just going to
6 create monopoly situations and in that avenue it's only
7 going to get worse.

8 But I do think, given the opportunity, that it's
9 not punitive for physicians, but there is an upside for
10 them, is where we feel we're going to be able to be
11 successful going forward.

12 DR. RUANE: I'll let Cherrill comment on the
13 precertification piece, but our key, I think our opportunity
14 to really make a difference really relates to network
15 management, really relates -- and there's two key things.
16 One is the doctors really have to want to be in the network.
17 So there has to be good payment. There has to be good
18 provider relations. They have to get prompt payment. They
19 have to be happy with that. They have to feel that they're
20 being treated fairly. Then you have to connect that with
21 the threat that they might not be able to if their behavior
22 is not appropriate.

1 So I think that to my mind, I see in our
2 commercial health plan the opportunity to improve the
3 quality and cost is really more related to the privileging
4 and profiling piece. But you do have to have those two
5 components. The fees have to be such and the administrative
6 simplicity has to be such the doctors really want to be in,
7 and the health plan really has to have the authority to say,
8 Dr. Smith, we have to part ways.

9 DR. ROWE: There's a really important point here I
10 think that we shouldn't miss for Medicare. That is that
11 much of the ability of a health plan to do this is related
12 to its local market share. Of course, BlueCrosses have
13 dominant local market shares.

14 DR. REISCHAUER: Medicare does pretty well with
15 market share.

16 DR. ROWE: That's what I was going to say. And
17 particularly when you look at the fact that utilization
18 might be 3.5 times as much in a Medicare beneficiary as an
19 average commercial beneficiary, that if there were ever a
20 plan that should be able to implement these kinds of things,
21 some of the inhibitions or impediments that health plans
22 had, Medicare will not have because of the market share.

1 MS. FARNSWORTH: I think without question, I know
2 the work that Medicare has done with the CCI coding issues
3 has been a good experience. Adding edits regarding the
4 technical area of radiology, you could build on that. I
5 certainly think that privileging of the technical component
6 and privileging of the professional components -- I know
7 Medicare has had some experience through MSQA and
8 mammography certification that we could build on with the
9 technical privileging. The professional component
10 privileging is a policy. So as long as it's evidence based,
11 I think certainly having that in place is something Medicare
12 could do.

13 The other thing that would be interesting to see
14 is something like a consumer education program about
15 imaging, like our Rad Aware. I think that Americans would
16 really appreciate the fact that Medicare distributed
17 information that they could learn about. The feedback we
18 get on that is, this is the first time I felt like my health
19 plan ever cared about me. Those kinds of things are
20 excellent feedback that health plans love to get.

21 Even with the new Medicare Modernization Act
22 there's some incentive for hospitals, a financial incentive

1 for hospitals to report the quality indicators. Certainly
2 doing something like education, benchmarking, profiling, or
3 education of the ordering physician and giving an incentive;
4 not a mandate but an incentive, a financial one I think
5 could easily follow on to that over time.

6 DR. NEWHOUSE: Can I ask a follow-on? Does
7 Medicare have the same kind of ability to decertify an
8 unsafe radiologic facility that it would in some other
9 provider types? That is, we saw all of these failure rates,
10 rights to cure and so forth.

11 MS. DePARLE: Some of this isn't even regulated by
12 Medicare. It was at one point FDA.

13 DR. NEWHOUSE: But Medicare could say, to qualify
14 for payment you have to meet such and such a standard or we
15 deem such and such an entity to --

16 MS. DePARLE: Medicare could do that.

17 DR. NEWHOUSE: But does it? That's my question.

18 MS. DePARLE: We did something like this with DME
19 suppliers, just doing site visits to them. But the FDA has
20 some regulatory authority here, doesn't it, Mark? Or is it
21 CDC?

22 MR. MULLER: The problem is, if I can just put it

1 in empirical -- these sites are not necessarily inspected by
2 the states. By and large, large facilities like hospitals
3 are inspected by states, the joint commission, et cetera.
4 These doctors' offices and so forth are by and large not
5 necessarily inspected for that. So therefore, for Medicare
6 to do it you first need that prior step of a local
7 authority, usually a state, to go certify. Then Medicare
8 could act on that, but by and large they're not inspected.

9 MS. DePARLE: I don't think you have to have that.
10 We did it for DME suppliers. I think Medicare can go out --
11 it takes resources so it would take the QIOs or someone to
12 go out and do it. But based on what I've seen on the
13 quality here, I'm very disturbed by that.

14 DR. MILLER: I was keeping a list of what I
15 thought Medicare can do, and that can be for another
16 conversation. But on this specific point, I think you could
17 talk about conditions of participation here, you could
18 actually talk about things like failure rates and the types
19 of standards that you would want and either have an
20 organization deemed to look behind it, or you'd have to
21 think about some element of, whether FIs, QIO, or whatever
22 within the Medicare program. I think this is reachable on

1 the safety standards. I think this is one of the easier
2 things to do.

3 MS. DePARLE: I'll make just a quick point. I
4 think this has been a great discussion so thanks to Kevin
5 for putting it together.

6 I'm surprised that the correct coding initiative
7 doesn't have any of these imaging related edits in it. That
8 seems to me to be the low-hanging fruit, as it were. But
9 the more provocative point out of all this to me is the
10 self-referral issue. This discussion adds a gloss to that
11 issue as I've always thought of it, because I've always
12 thought of it as more of -- the policy against self-referral
13 is really driven by concern about over-utilization and
14 incentives that physicians may have, physicians or other
15 practitioners may have to perform services that aren't
16 needed.

17 Here what we're hearing is something that's even
18 more troubling, which is the quality of some of those
19 services appears to be really questionable. So it wouldn't
20 just be an issue of financial incentives and Medicare
21 spending growth being higher than it should be, it's also a
22 matter of the quality being -- looks pretty terrible.

1 I guess I am wondering, are there other analogs --
2 and like is maybe a discussion for later since you're back
3 in the audience, but it seems to me that's something that
4 came out of this that may be more difficult, Mark, if you
5 did a list of the things we could do. But it sure seems to
6 cry out for something there. I didn't realize that -- I
7 hadn't really thought about it that any -- I assuming this
8 is saying that any practitioner who's certified by a state
9 and participates in the Medicare program can do any of these
10 imaging procedures?

11 DR. MILLER: I think from Medicare's perspective
12 that's pretty much the situation.

13 MS. FARNSWORTH: That's the situation across the
14 country.

15 MS. DePARLE: That doesn't seem right to me.

16 DR. ROWE: [Inaudible.]

17 MS. DePARLE: They're doing some privileging and
18 they're doing some things around it. We're not doing
19 anything right now.

20 DR. NELSON: Is there any evidence that your
21 programs wash over to other payers within the area? I would
22 think that facility certification might lead some of the

1 facilities with substandard equipment to close down, and
2 that would benefit other payers? Or do they continue with
3 substandard equipment?

4 The same might be said of prior authorization and
5 privileging functions. Would other payers like Medicare
6 benefit within the areas where you're operating? Is there
7 evidence to that effect?

8 MS. FARNSWORTH: The evidence that we have is that
9 it depends on the state, but I'll use the example of
10 Florida. Where we have done site visits and a plan to
11 chooses to not have this person on the panel for imaging,
12 other think but not imaging, we find that they just do
13 imaging with their other revenue sources. Because
14 unfortunately the whole idea is you've got to get the
15 payment made to pay for the equipment.

16 DR. RUANE: I think we do see spillover into our
17 traditional product from the managed product that makes it
18 hard to figure out what the benefit of the program is. I
19 think none of us operates in a vacuum. We can't thank you
20 enough for DRGs. They pay us every day in terms of how the
21 hospital dynamics changed. So there always is spillover.

22 MS. SULLIVAN: I would just close in saying that

1 with our privileging program we have clinical radiology
2 staff that go out and do the site visits so we feel that
3 that's an imperative part of our program, to make sure that
4 we don't have providers in our network that we would look to
5 see that they are providing substandard care. That's really
6 what we hope to maximize in the future.

7 DR. REISCHAUER: I, like Nancy Ann, am shocked by
8 the quality safety issue and reflect on the fact that we
9 almost everywhere in the United States inspect cars for
10 safety, but apparently not imaging equipment when we allow
11 Medicare patients to go to those facilities.

12 I want to thank all of you. I think this has been
13 tremendously informative for us and we will study your
14 slides further and be in contact with you I'm sure more as
15 we go along formulating our positions, so thank you.

16 We move next along the same lines to purchasing
17 strategies with Anne and Jill.

18 MS. MUTTI: Today we will present our workplan and
19 initial findings for a project we're calling purchasing. As
20 it has been alluded to, this will naturally build on what
21 you've just heard. As Kevin mentioned, the particular
22 strategies we are focusing on here are those that improve

1 efficiency, and by efficiency we mean reducing spending
2 while maintaining or ever improving quality of care.

3 Our plan here is to first identify a range of
4 strategies being used by private-sector purchasers as well
5 as other public purchasers. And then second, to examine
6 whether of them could be applied to fee-for-service
7 Medicare. Again this builds on just the conversation you've
8 had here except that we're looking at a broader range of
9 services, not just imaging services.

10 We think this research agenda may be useful to
11 policymakers for a couple of reasons. It recognizes that a
12 majority of the beneficiaries are expected to stay in fee-
13 for-service, even with the reform legislation that just
14 passed. Also we think that pressures to contain Medicare
15 spending growth are likely to increase, not decrease,
16 especially given the continued growth in health care costs
17 and the impending retirement of baby boomers.

18 This approach also responds to commissioners'
19 requests for information on private-sector practices related
20 to containing physician volume growth. So hopefully we'll
21 give you some examples there.

22 As I said, it relates to Kevin's work on imaging.

1 This work also relates to Karen's work and the Commission's
2 work in the past on quality of care. Certainly quality and
3 efficiency may go hand-in-hand. But there are aspects to
4 efficiency measures that I think deserve a more focused
5 approach to looking just at efficiency.

6 This work also builds on our exploration of
7 Medicare demonstrations that improved efficiency in fee-for-
8 service, and those were the centers of excellence and
9 competitive bidding in durable medical equipment that we
10 talked to you about the last year.

11 Our first step in this project has been to conduct
12 interviews, and today and in April we plan to focus on
13 summarizing our findings from those interviews and begin to
14 consider what some of the issues might be for Medicare to
15 undertake some of these approaches. We plan to come back to
16 you then in the fall with more specifics on what some of
17 those options could look like.

18 To date we have interviewed people in 13
19 organizations, including four purchasers, five health plans,
20 and four benefit consultants. We have asked them to
21 identify the array of approaches they have undertaken and
22 some of the implementation issues that arose in those

1 strategies.

2 Let me first note a couple of caveats in this
3 summary. First, we looked at people who were innovators, so
4 they might not necessarily be representative of the whole
5 market. Our findings may not, therefore, what the norm is.

6 Also, this is an interim report so we expect that
7 our future interviews over the course of the next month will
8 help round out our understanding of what's going on out
9 there.

10 In general, our interviewees identified strategies
11 that were directed at three drivers of health spending,
12 volume of services, productivity in delivering those
13 services and the price for those services. We'll present
14 the strategies with that organizing theme in mind, but we
15 certainly recognize that the strategies do overlap the
16 themes. It just seemed helpful at the time.

17 So let me start with volume strategies. By far
18 the type of volume strategy that we've heard most about is
19 directed at identifying efficient provers and improving
20 provider efficiency. As motivation for this approach many
21 of our interviewees mentioned the Fisher and Wennberg work
22 on geographic variation in health care services. They also

1 mentioned research showing that both high-cost and low-cost
2 providers are able to offer quality care.

3 At a minimum, this approach involves measuring the
4 relative efficiency of provider or provider profiling.
5 We've heard some of that this morning. Approaches varied on
6 a number of dimensions. First, plans differed on who they
7 profiled. Most of the plans that we spoke to really focused
8 on profiling physicians. Among them, some of them both
9 profiled both primary care physicians and specialists. Some
10 focused on one or the other. Some also focused on profiling
11 hospital services, and within that they might profile the
12 whole hospital's performance or they might focus on selected
13 services that they were very interested in. We did hear
14 about them profiling radiology services like we heard this
15 morning.

16 The measures of efficiency varied largely by the
17 type of provider that they were profiling as well as if they
18 were profiling an individual or a group. In general, the
19 themes that we heard were that people were interested in
20 using claims-based data for administrative ease in their
21 profiling. They were intending to do the best job they
22 could on adjusting for case mix. They also seemed to be

1 interested in moving to measuring care over an episode, not
2 just an individual unit of service.

3 Along those lines, several were using commercial
4 software products that measured physician efficiency by
5 comparing what expected utilization would be to what actual
6 utilization would be. One plan we spoke to also looked at
7 whether certain surgeries were necessary to begin with. So
8 that rather than measuring efficiency once the episode was
9 triggered, they examined whether the episode was necessary
10 to begin with.

11 For primary care physicians, plans used measures
12 such as total cost of patient care, referral patterns, use
13 of generic drugs, admissions to the ER. For hospitals,
14 measures tended to be total costs and mortality rates
15 associated with a particular episode.

16 Opinions varied on the validity of these measures,
17 particularly so with respect to the software that was
18 measuring these episodes. Some were concerned that it did
19 not do an adequate job in adjusting for case mix. Some felt
20 that they could not adequately assign patient costs to a
21 particular physician, particularly primary care physicians
22 so we're only using this software for specialists.

1 Another issue that came up repeatedly was the need
2 for adequate data. I think we heard that this morning, that
3 you had to have adequate claims in a given marketplace to
4 make this work. Some plans were restricted in which markets
5 they could do this profiling even though they felt that it
6 was quite effective. So repeatedly we heard from people the
7 request that Medicare make their claims data available to
8 them so that they could do a better job profiling.

9 Nearly everyone indicated the need to have both
10 quality and efficiency data; that that would be the optimal
11 way to profile people. Some of the plans seemed to think
12 they had a decent handle on that, were coming the two
13 together well. Others did not feel that way. In fact one
14 plan asked us to give them a call back if we came up with
15 any really good ideas.

16 Most acknowledged that profiling had the potential
17 to cause tension with providers who were being profiled.
18 Some had been doing it for years. They didn't feel that it
19 was such an issue anymore. They had overcome most of the
20 obstacles. Other plans were a little bit more new to it and
21 they were encountering resistance. But I think we heard a
22 couple of themes from everyone that a few things could help

1 make providers more responsive to profiling. One was that
2 the profiling criteria should be transparent. That
3 everybody should be able to understand what they were being
4 measured against; it should be publicly available.

5 Two, if they could see how actually patient care
6 could be improved as a result of the profiling they were
7 more comfortable with it.

8 And three, if the profiling was to be paired with
9 incentives, and we'll get to that in just a moment, that
10 those incentives should be positive ones. I think that was
11 reflected this morning also.

12 So this brings me to a discussion about
13 incentives. Certainly information disclosure is one
14 incentive that you could pair the profiling with then
15 disseminating that information. Nearly every plan we spoke
16 to fed that information back to the providers. I would say
17 that quite a few felt that it was pretty effective. That
18 they did find that providers responded to the comparison to
19 their peers. A couple seemed to think it was particularly
20 effective if they could see how it was directly related to
21 adhering to evidence-based practices, especially those -- if
22 they could compare whether they were meeting the diabetic or

1 asthmatic criteria and felt that their patient care could be
2 improved as a result of measuring up, they were more likely
3 to change their behavior.

4 For disclosing this information to beneficiaries,
5 it seemed that more plans were more inclined to disclose
6 quality oriented information to beneficiaries, less so
7 efficiency. One of our interviewees mentioned that they
8 felt that beneficiaries would need some education on how to
9 interpret efficiency information. That there was a
10 perception that more services were better, and that that
11 might need to be clarified.

12 Some plans also felt that the profiling needed to
13 be combined with financial inducements in order to be more
14 effective. This might be financially rewarding providers
15 who provide more efficient care and/or beneficiaries for
16 selecting more efficient providers. One example of this is
17 creating tiered networks of care where profiling results are
18 used to assign certain providers into tiers, each of which
19 might have beneficiary cost-sharing or provider payment
20 implications. Plans use different calculation methods to
21 assign providers to tiers and seem to value the flexibility
22 that they had in different markets to make different

1 determinations as to what the criteria would be for each
2 tier.

3 Some plans were also using profiling information
4 to designate centers of expertise or centers of excellence.
5 They usually focused on high-cost procedures, some did
6 transplants and then just picked one national center or
7 several national centers and their benefit only covered care
8 in those centers. There was no out-of-network benefit for
9 those services. Others were interested in creating centers
10 of excellence for cardiac, cancer, orthopedic surgeries that
11 were in different markets around the country. There would
12 be an out-of-network benefit for not going to those centers
13 for those services.

14 Another type of financial inducement is to share
15 the savings resulting from the reduced volume between
16 providers and the insurer or purchaser. This may be a bonus
17 payment being paid to providers who are able to have actual
18 costs for an episode that are below what the expected costs
19 would have been.

20 In addition, another incentive is to selectively
21 contract with certain providers and create an exclusive
22 network. While most reported that they were keeping their

1 networks broad, some did say that the employers that they
2 were working with were interested in exclusive networks and
3 they were planning on developing those type of products.

4 Other volume oriented strategies focused on
5 paying for appropriate care regardless of the relative
6 efficiency of the provider. They included preauthorization
7 requirements and coding edits, both of which we heard today.
8 I guess one thing I'll just add on preauthorization
9 requirements, we heard that some plans had curtailed using
10 them. They felt that they had antagonized providers and
11 they were holding back on that. But we certainly heard at
12 least from one about that they were reinstating their
13 preauthorization requirements. They had gone too far in
14 cutting back on them and they couldn't afford to lose those
15 savings that they had been getting with them.

16 I won't say anything more about coding edits. We
17 also heard about trying to address consumer demand for
18 health care services. Again, I think we heard about that
19 this morning too.

20 The one thing I'll add though is that in addition
21 to these wellness programs, informing people how to manage
22 their conditions, having self-assessments on an Internet

1 program, there were also these decision-support programs.
2 These programs are designed to help beneficiaries choose
3 between treatment options and be better informed about their
4 expected care. One purchaser told us that what they did is
5 they allowed individuals to decide sometimes to choose a
6 less invasive option rather than the more invasive option of
7 care, and then they were better prepared to follow along
8 their course of care and maybe catch something that was
9 being missed and just better manage their care. They felt
10 that this was a very effective way of controlling demand and
11 volume for services.

12 Another subset of strategies, attempt to encourage
13 providers to change the cost of production, or reduce the
14 number of resources required to deliver the same unit of
15 services. In some cases this may also reduce volume.

16 Examples here include hospitalists and
17 intensivists. Almost everyone we spoke to had high praise
18 for this approach. These are specialists trained to
19 handling inpatient or, in particular, intensive care unit
20 care. They seemed to be saving a fair amount of money and
21 reduce length of stay.

22 One plan adjusts surgeon's payments if they select

1 a less costly site of service in which to perform their
2 surgery. A few plans also indicated that they bundled for
3 hospital and physician services for transplant surgeries.
4 But otherwise it seemed that most payers were paying
5 providers separately on a fee-for-service basis. A few that
6 used to capitate physician groups were no longer doing so.

7 We found that while payment itself seemed largely
8 unbundled, the providers and managed-care plans were
9 increasingly being held accountable for a bundle of services
10 surrounding an episode of care, as we talked a with
11 profiling, so that their ability to hold costs of an episode
12 down might be rewarded by bonus payments or by a higher fee
13 schedule. So in some ways there's almost like a shadow
14 bundling going on.

15 We did hear from one integrated delivery system
16 that they felt constrained in their ability to induce
17 physicians to cooperate to hold down hospital costs. This
18 provider mentioned that they thought that they might have a
19 problem with drug-eluding stents, that they were being
20 overused. He approached one of his cardiologists to ask
21 them if they would help identify ways to reduce overuse, and
22 the cardiologist responded that it wasn't his problem; it

1 was the hospital's problem; not his cost. The executive
2 felt that he was constrained by gain-sharing, in creating
3 gain-sharing incentives by the anti-kickback laws that exist
4 that present this kind of arrangement.

5 A few plans discussed strategies they used to
6 improve the price they pay for services. These include
7 competitive bidding, and these were used for laboratory,
8 specialty pharmacy services as well as durable medical
9 equipment. Generally they reported that they got
10 significant savings out of this benefit but sometimes it was
11 labor-intensive, creating such a formal bidding process.

12 A number of plans also indicated that they adjust
13 their price if multiple services are performed at a single
14 encounter. That mirrors what we heard this morning on
15 imaging services.

16 Tiered networks, in a sense, are also a type of
17 pricing strategy. Plans or purchasers can accept the price
18 offered by providers but based on that price assign them to
19 a lower tier that's associated with higher beneficiary cost-
20 sharing. Indeed, providers may respond to that threat by
21 reducing their price.

22 Those are the types of things that we encountered

1 on price. Let me go to next steps here.

2 As I mentioned, in the next month we plan to
3 conduct more interviews, add to our summary findings
4 information from the literature review, and begin to broach
5 the opportunities and challenges in applying these
6 strategies to Medicare fee-for-service. Then we plan to
7 come back to you in the fall for some discussion of how they
8 might be applied to Medicare fee-for-service.

9 I will turn it over to Jill now for an update on
10 Medicare contracting reforms and at the conclusion hope to
11 get your feedback on the array of strategies we've
12 identified here. Those that you're more interested, would
13 like more information on.

14 DR. BERNSTEIN: Clearly, assessing whether there
15 are purchasing strategies that could or should be
16 incorporated into Medicare is going to involve a lot of
17 discussion. You've already had some of that discussion
18 start here today. But to set the stage I'd like to direct
19 your attention to something that's actually new in the
20 discussion, and the key point here is that the new
21 legislation has changed what the Medicare program is allowed
22 to do as a purchaser.

1 Briefly, the MMA eliminated provisions that
2 restrict the Secretary's contracting authority in the
3 Medicare program. The new law removed requirements that
4 claims processors be nominated by broad organizations. It
5 eliminated some provisions that made terminating contracts
6 harder. And it ended the requirement that Part A and Part B
7 contractors have either only pure Part A or pure Part B
8 contracts. And it also eliminated the provision that they
9 had to do the full range of things that a contractor has to
10 do as a claims administrator.

11 Under the MMA reforms, the existing fiscal
12 intermediaries and carriers will be replaced by Medicare
13 claims administrators called MCAs. The new contracts will,
14 with certain exceptions, be completed under the regular
15 rules of the federal acquisition system. Not that these are
16 the most nimble things in the world, but they're a lot
17 different than what they had before. The transition to the
18 new contracts will begin on October 1, 2005 and it's to be
19 completed by September 30th, 2011, so we have a little bit
20 of time. The statute specifically requires the Secretary to
21 develop performance measures and standards and to
22 incorporate these performance standards into these new

1 contracts with the contribution of physician and provider
2 organizations and beneficiaries organizations in developing
3 the performance requirements.

4 The new provisions could provide some
5 opportunities for Medicare. First, the pool of contractors
6 should expand, allowing the organizations with special
7 expertise, like some of the places we've been talking about
8 today, to compete for Medicare contracts. This could be by
9 service or, for example, there are now special home health
10 contractors. We could do that for other services in theory,
11 or they could contract with organizations with special
12 expertise in things like post-payment review or prepayment
13 review. This could also provide CMS with an opportunity to
14 review the various activities of its other contractors,
15 including the quality improvement organizations and the
16 program integrity contractors as well as the new claims
17 administrators, to determine how the various activities
18 involving profiling and analyzing payment and utilization
19 might be better coordinated program-wide.

20 Second, the focus on contractor performance
21 standards could provide more impetus for CMS and the
22 contractors to focus on strategies to inform providers about

1 effective practice, or to devise more effective claims
2 screening protocols, et cetera.

3 I will try to answer any questions about that or
4 we can turn to them more broader issues that we've been
5 discussing.

6 DR. REISCHAUER: Thank you.

7 DR. ROWE: Anne and Jill, I found this very
8 helpful and I thought your presentation was very articulate.
9 I have a number of points I'd like to make about the tiering
10 issue which I hope are helpful. First, I think the
11 description of tiering in the chapter could be beefed up a
12 bit. You have it on page 10, and with respect to hospital
13 tiering I would refer you to an article in Health Affairs by
14 Jamie Robinson, a professor at Berkeley that was a year or
15 two ago where he talked about different approaches that
16 health plans have to tier hospitals and he has an example of
17 High Mark and of the Tufts Health Plan, of Wellpoint and a
18 couple different strategies that have been used or not used.
19 I think it's a nice articulation of an approach so I would
20 refer you to that.

21 Secondly, I would refer you to the Leapfrog Group
22 which I think is going to come out shortly with a new

1 approach to tiering. So you should check with Suzanne
2 Delbanco or Arnie Milstein at Mercer who I think may be
3 working with them on that. So that by the time this comes
4 out, we want to be informed of what they're doing so we can
5 be up-to-date, because I think this tiering strategies may
6 be the brave new world for Medicare and it would be very
7 interesting to have a little more information about that.

8 With respect to the Pitney Bowes experiment which
9 you refer to towards the end of the chapter, I think it
10 would be worthwhile -- you are going to ask some questions
11 about why it ended. Because you talk about how successful
12 it was and you noted it went for two years. The question is
13 why did it end. I think there's some political lessons to
14 be learned there.

15 I would think that it's worth talking about the
16 fact that one of the intrinsic assumptions that many
17 institutions are using to tier hospitals is that volume is a
18 proxy for quality. There are now some data in the
19 literature with respect to cardiac angiography, et cetera, I
20 think from Pittsburgh, that suggests that volume may -- the
21 utility of volume as a proxy for quality may vary by age of
22 the population you're studying and some other factors and

1 that may be relevant to Medicare. That's worth looking at
2 because that is intrinsic in a lot of these tiers.

3 A second issue relates to pooling, and I think
4 Medicare can be particularly important here. Many of the
5 pooling issues that we've had so far have been by health
6 plans who have been limited in their capacity to tier
7 doctors because a given health plan has a small portion of
8 the physician's practice. The physician says, you've only
9 got 10 percent of my practice, it's not representative, et
10 cetera. Medicare by virtue of its size and the proportion
11 of the practice that it would have for many practitioners,
12 if Medicare were willing to pool its data, administratively
13 available data with health plans, we could have some sort of
14 national pool and we could really have a very valid sense of
15 performance.

16 I think there have been some concerns about
17 privacy. You refer to them in the chapter. But it would be
18 nice to examine what those concerns really are and whether
19 or not we might be able to get anonymized data or something.
20 It's not really about the individual patients, it's about
21 the complication rates and other things. How many patients
22 who have a diagnosis of an MI have a beta-blocker

1 prescribed. You don't have to know the names of the
2 patients. So I would suggest that we consider looking in
3 that direction.

4 Two other final points. One is I think we should
5 differentiate when we talk about quality, tiering for
6 quality. Anne, you mentioned that. If you're tiering in
7 such a way that you're removing 15 or 20 or even -- say,
8 percent of the practicing physicians, then what you have
9 left is a tier that is acceptable quality. We don't
10 differentiate in the chapter and in our language high
11 quality from acceptable quality. People seem to think when
12 you say you have a quality network that this is like the top
13 5 percent of doctors. What we're not doing is identifying
14 the ultra elite. What we're doing is removing the bad guys,
15 and we should distinguish between those two things.

16 This is a tremendous amount to be gained and much
17 less political pushback from organized medicine when you
18 eliminate the outliers on the downside, because everybody
19 knows who they are and the rest of the doctors are happy to
20 have them eliminated. It's not like we're taking on the
21 medical establishment by eliminating 80 percent of the
22 doctors. There should be some discussion about that because

1 I think that that's important.

2 And that's important to the last point, and that
3 is that I think the utility of tiered networks is
4 dramatically influenced by the supply of physicians. The
5 reason Pitney Bowes was able to do it in Fairfield County,
6 Connecticut is there was perceived to be an excess of
7 physicians, so that they could eliminate some proportion and
8 not have access problems. Medicare is dealing with a
9 national situation with wide variations in the numbers of
10 physicians. I think MedPAC, if we're talking about things
11 like this we should be mindful and express our awareness of
12 the intersection of any recommendations with respect to this
13 with the issue of access and the size of the Medicare
14 network across different sections.

15 Thank you.

16 DR. REISCHAUER: Thank you for that brief
17 intercession.

18 MR. DURENBERGER: You took three of my items so
19 maybe mine will be even briefer.

20 Secondly, I'm so enthused about what we're doing
21 here that I can't come up with a superlative to compliment
22 Mark and the staff and everybody else. I just think it's

1 really important.

2 On the issue surrounding volume, productivity,
3 price and things like that I would love to see some
4 inclusion of the VA and all the work that the VA has done
5 and how they've gone about doing it. I know it's a
6 different kind of a system but I think there are ways in
7 which -- could be extrapolated.

8 Secondly, the work around six Sigma, Toyota, and
9 so forth that are being done by some of the larger probably
10 multispecialty groups. Mayo comes to mind because I know
11 they are doing it, and plenty of others, and what does that
12 tell us and how does that inform the language that we use
13 and other things like that.

14 Third is workforce utilization as an impediment to
15 productivity. When I look at hospitalists and intensivists,
16 I think in Minnesota we counted up, we now have 400-plus
17 licensed allied health professions, something like that.
18 The whole issue is like the role that licensure,
19 credentialing and all of these other factors play in getting
20 in the way of particularly clinical or system productivity.
21 That probably a whole piece of research on its own but I
22 just thought some allusion to it would be important.

1 Fourth, I would suggest that what the MMA did to
2 prohibit cost-effectiveness study on drugs and medical
3 devices ought to be reversed in some way and I think we
4 ought to speak to that. I think the ability for CMS to do
5 or sponsor cost-effectiveness studies is very important and
6 it is just another example of the way that some of the
7 interest groups have made sure we couldn't work on the
8 effectiveness area.

9 The next one relates to the employer, the role of
10 employer. I think Jack alluded to the Leapfrog. The
11 commitment that the governors made in Minnesota to these
12 same kind of strategies begins with employers, and it's the
13 public and private employers. So the way in which the
14 employer combined with the work the plans are doing and the
15 work that certain kinds of provider groups are doing
16 probably will be informative to the work that Medicare has
17 to do.

18 I think that's my list. Thank you.

19 MR. FEEZOR: I would like to also compliment Jill
20 and Anne for the work. In the first section where you start
21 out on some of the limitations on Medicare's current policy
22 in fee-for-service, I think that could be expanded a little

1 bit and I certainly would encourage what seems to be a
2 history of not encouraging the individual to take better
3 care in terms of managing their own, although arguably the
4 new initial physical could begin to take a step in that
5 direction.

6 Equally, and you talk about in a couple of
7 different places some anecdotal comments about difficulty to
8 do incentives across providers and gain-sharing, I think
9 some enumeration or at least reference to that under the
10 current policy might be helpful.

11 Somewhere in there there was a reference to, by
12 providing individual's information about the quality of
13 their provider, provider networks, there was an ability to
14 move 3 percent per year. We probably need to be careful to
15 make sure that that is equally applicable to Medicare as it
16 is to commercial. My suspect would be that it is not.

17 Then finally, I guess I was a little surprised in
18 your initial interviews that it didn't come out as an
19 explicit purchasing strategy, maybe it's more under quality
20 control, but certainly the whole movement to consumer-driven
21 product I think is not just a cost avoidance but is an
22 effort, a conscious effort on the part of purchasers to, by

1 making the patient more involved, to begin to dampen the
2 demand side. You reference that actually in the narrative
3 but whether you want to call that out as a separate
4 purchasing strategy is something to think about.

5 Then finally, I think also individuals,
6 particularly in self-funded plans and the ability to do risk
7 profiling is not only to, I think, try to set out care
8 management but is a way of saying, we are going to spend our
9 monies on a narrow segment of our beneficiary population
10 that need that care. As a consequence I think even high
11 risk identification and risk stratification within the
12 beneficiaries and differing the level of care management
13 that you might have in that is an explicit strategy as well.

14 MR. HACKBARTH: This is good stuff and thank you
15 for the work on it. I want to make sure though that we
16 don't race into the details. I think that there might be
17 some important threshold questions that bear discussion
18 about whether, assuming we could change Medicare to adopt
19 some of these practices, whether it would be a good idea to
20 do so. It's commonplace for people to say, this or that's
21 politically difficult and it may be unpopular with
22 beneficiaries or with providers and that's why Medicare

1 can't do it.

2 But I think there is a more basic question about
3 whether Medicare should do it. I ask the question without
4 having a firm opinion on one side or the other, but for a
5 public program to undertake some of these activities, I
6 think the consequences are different. Most basically, if a
7 private health plan does one or more of these things and it
8 doesn't go well, they're subject to market discipline. And
9 if it doesn't go well, they can change things quickly, make
10 revisions in a way that I don't think necessarily happens in
11 the political process. The cycles of change and improvement
12 are not as rapid, not as flexible, and the political
13 discipline may not be as efficient in this case as market
14 discipline is in correct errors and problems.

15 I wonder whether philosophically the thing to do
16 might not be to say, we ought to operate the traditional
17 Medicare program as a traditional free choice system with
18 virtually all providers permitted to play and the like, and
19 to the extent that we seek innovation of this sort, the way
20 it ought to be made available to Medicare beneficiaries is
21 in fact through the offering of private plans that work in a
22 whole different environment, in some ways with fewer

1 constraints but also with the market discipline. The
2 beneficiaries can leave if they don't like what's happening,
3 whereas you can't leave -- if traditional Medicare does awry
4 we've really lost something that's difficult to replace.

5 So it's a question, but I think it is an important
6 threshold question before you get deep into the details of
7 the advantage of this approach or that approach.

8 DR. REISCHAUER: I think that's a good point and I
9 would agree with much of it, but the question here is
10 comparative cost and information on quality and you have to
11 be able to compare the quality in the plan or the plans with
12 the quality that exists in the traditional system.
13 Heretofore we haven't been willing to do that. The plans
14 themselves can come up with information about how good they
15 are or they can use HEDIS measures or whatever. But the
16 ability to then compare it to what you would get in the
17 other world isn't there yet.

18 MR. HACKBARTH: Of course I would support that
19 sort of comparison. I think what you get in traditional
20 Medicare is you get a tremendous variation in quality. It's
21 not like it's a monolith. You can get most anything from
22 the best in the world to the worst in the world. But

1 certainly I'm all in favor of enhancing our ability to
2 compare. I'm just not sure that you are really comparing
3 anything meaningful in traditional Medicare in the
4 aggregate, which incidentally is one of my fears about how
5 private health plans have evolved too, to the extent that
6 they have all-encompassing networks of providers, virtually
7 everybody in a community, I think they have also become just
8 a hash. Comparing the quality performance of one IPA HMO
9 that encompasses everybody in the market to another IPA that
10 encompasses everybody in the market is pretty a sterile
11 exercise in my view.

12 MS. MUTTI: Just a clarifying question based on
13 what you just said, Glenn. Are you comfortable with us
14 going forward with the summary and alluding to some of those
15 issues that raised too as to the advisability of Medicare --
16 are you comfortable with us producing a product like that?

17 MR. HACKBARTH: Yes, in fact I see this as a
18 developing area of the Medicare debate. There are very
19 vocal, articulate proponents of the view that Medicare ought
20 to become a more active purchaser, like Bob Berenson. Bob
21 and I were talking about this last week. As opposed to say,
22 private plans are the only way to get innovation. We can do

1 it in Medicare. I think that's a very important question to
2 raise. I just want it framed properly.

3 DR. REISCHAUER: Thank you, Anne and Jill.

4 We now have a few minutes for a public comments.
5 As is always the case, identify yourself, keep your comments
6 brief, and please don't repeat what others have said before
7 you.

8 MR. THORWARTH: I'll do my best. My name is still
9 Bill Thorwarth. I'm a practicing a diagnostic radiologist
10 from Hickory, North Carolina and currently president of the
11 American College of Radiology. I'd like to congratulate
12 MedPAC first of all for addressing this issue or this group
13 of issues, and the presenters for a good summary of those
14 issues that need to be addressed.

15 Why do I say that? Radiologists are commonly
16 viewed as the reason for this increased imaging cost. I
17 think as has been pointed out, radiologists do examinations
18 that are requested and referred by other physicians and
19 therefore really are not at the heart of that particular
20 expansion. I'm glad to hear the active evaluation and
21 discussion on the issues regarding self-referral with
22 regards to exactly where the expansion and growth of imaging

1 services is.

2 The American College of Radiology's slogan is
3 quality is our image, and has long been in the business of
4 promoting the right test by qualified providers at a high-
5 quality facility. These product, overseen by our commission
6 on quality and safety include what are known as
7 appropriateness criteria, a group of 190 different clinical
8 indications with 900 variations of those indications as far
9 as what kinds of tests are appropriate and effective in
10 those clinical circumstances.

11 The second component of that is the practice
12 guidelines and technical standards defining those
13 requirements for facilities, technologists and physicians
14 who can then perform the tests in a quality fashion.

15 Then the final is accreditation. Not unlike
16 mammography accreditation that's mandated under the
17 Mammography Quality Standards Act, we have accreditation
18 programs in other things such as MR where right now half the
19 MR facilities units in the country are accredited through
20 the American College.

21 I think that high-quality imaging has got to be
22 recognized as, it can often result in an overall decrease in

1 a cost of care per episode. Two very common circumstances
2 are abdominal trauma that presents in the emergency room
3 that commonly used to go to laparotomy for exploratory
4 laparotomy to determine if there was a significant injury.
5 Now CT can very effectively determine which are candidates
6 who can be treated conservatively, which treated
7 operatively. Likewise, MRI of the joints can often times
8 give, in fact most of the time gives accurate detail as to
9 which patients can be treated by conservative management
10 versus operative management.

11 I had two responses to specific comments that were
12 made during the discussion. First, the comment about
13 efficiencies of multiple studies as one of the strategies to
14 potentially decrease cost. I think that it's important to
15 recognize that there may be an efficiency we talked about --
16 there was mention of a CT scanner where the patient stays on
17 two minutes longer and has another contiguous anatomic part
18 examined.

19 I think that it's important to recognize that the
20 efficiency may be in the technical component side of the
21 acquisition of that study but does not necessarily transfer
22 to the professional component side, simply because if I'm

1 reading an ankle x-ray and a foot on two different patients
2 or I'm reading an ankle and a foot on the same patient, I'm
3 still basically reading the same number of films. If I'm
4 reading a CT scan of the pelvis on a patient that just had
5 an abdominal CT, the only efficiency to me is I don't have
6 to say their name twice. I still have to examine all the
7 images. In fact the finding in the second exam may require
8 that I go back and re-examine the first exam to see if
9 there's a related finding in that first exam.

10 So as the Commission considers this concept of
11 efficiency in multiple imaging exams I wanted to stress that
12 there is really a difference between efficiencies gained in
13 the technical side versus efficiency in the professional
14 side.

15 Then final comment about radiologists being
16 consultants and examining a patient and trying to recommend
17 a better tests for a given patient. Personally, if I call
18 my orthopedist and I tell him that I've examined his
19 patient's shoulder and he doesn't need an MRI and he needs
20 such and such, I'm not going to make it very far. I think
21 the concept that the radiologists know best what imaging
22 test answers what clinical question best is true. So if the

1 referring physicians provide us with the appropriate
2 clinical history we can guide them to the appropriate and
3 most cost-effective way to work up that particular clinical
4 condition. But I think the likelihood -- first of all
5 there's no value placed in any of the imaging procedures
6 that include E&M values of going to examine patients.

7 Secondly, I think, as I mentioned before, our
8 overriding a clinician who's done a full E&M evaluation, may
9 have been taking care of that patient for months, for me to
10 override that would be really impossible.

11 So the college stands ready to work with MedPAC
12 and with CMS to solve this very real issue of expanding
13 imaging costs, and I appreciate the opportunity to comment.

14 DR. REISCHAUER: Thank you. We stand adjourned
15 for lunch and we'll reconvene at 1:15.

16 [Whereupon, at 12:24 p.m., the meeting was
17 recessed, to reconvene at 1:15 p.m., this same day.]

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1 Karen, Nancy, and Joan will give. But today we thought it
2 would be easier for you to look over our data analysis first
3 and then consider some of the policy issues within that
4 context.

5 Two of the many goals for care coordination are
6 improving quality of care and slowing the rate of growth in
7 Medicare spending. Some analysts and policymakers have
8 argued that the fee-for-service population is particularly
9 well-suited for disease management because of its high
10 prevalence of chronic conditions, the high concentration of
11 spending that's associated particularly with hospital stays,
12 and the perception that there's room for better coordination
13 of care within the fee-for-service payment structure.

14 As practiced in commercial programs, disease
15 management often involves targeting services such as
16 beneficiary education and monitoring toward certain people
17 based on their past patterns of care, the conditions they
18 have, their prescription drug claims and self-reported
19 health assessments. Chris Hogan and I are going to walk you
20 through some data analysis based on the type of data that
21 would be most readily available for disease management
22 services, or coordinating care in the fee-for-service

1 population; that is Medicare claims data. We'll cover
2 patterns of program spending and the prevalence of certain
3 conditions within the fee-for-service population and try to
4 answer some of the questions that you see on this slide.

5 Chris is not going to walk you through some of
6 them methodology and caveats with this analysis.

7 DR. HOGAN: I'm briefly going to go through two
8 slides on methods. The first slide is what you see in front
9 of you. I'm just going to say, we're looking at a one in
10 1,000 sample of beneficiaries. Just to give a quick look
11 and an easy way to get at modifying the analyses however you
12 see fit. This slide just describes what we did. The more
13 interesting slide is the caveats. I want to say,
14 particularly relevant to disease management, a couple of
15 strong caveats about the use of diagnosis information off
16 claims to identify cohorts of beneficiaries.

17 The first thing you have to realize is, there's no
18 standard way to do this. Every analyst decides which
19 diagnoses you're going to count, which set of claims is
20 going to be counted, how often you have to see a diagnosis
21 in order to flag somebody's having a condition. The upshot
22 is, the population that I call the CHF population may or may

1 not match the population you'll see in some other piece of
2 analysis. There's no standard way to do it, so there's some
3 uncertainty. In addition, as you know, physicians may have
4 some uncertainty in what they report on the bills
5 themselves.

6 A second point that you need to keep in mind for
7 evaluating a disease management or case management demo is
8 that when you draw a population out of claims you're not
9 looking at everyone who has the disease, you are looking at
10 everyone who is being actively treated for that disease in
11 the year. That means the cost you see in that baseline year
12 when you draw that population are going to be higher, on
13 average, than the cost you see the next year. Costs tend to
14 regress toward the mean.

15 What this means for case management or disease
16 management is that your target for evaluating whether or not
17 the program has saved you any money is not, did costs go
18 down, but did costs go further than I expected them to go
19 down based on this regression to the mean that we know is
20 going to happen? So it's not simple to evaluate whether or
21 not a case management or disease management program has
22 saved you money, because if I pulled the population from

1 claims I'm looking at people being actively treated, and
2 sure enough, next year the cost of that population will go
3 down no matter what you do.

4 There are some other caveats here, particularly
5 with regard to definitions of the institutionalized, ESRD,
6 and Medicaid that are not really relevant to much of the
7 case management discussion so I'll turn it over to Rachel to
8 discuss the results.

9 DR. SCHMIDT: So let's take a look at some of the
10 statistics that Chris ran for us. I know it's not
11 surprising to you that fee-for-service program spending is
12 highly concentrated, but maybe the degree to which it is
13 concentrated I found somewhat surprising. Our findings of
14 concentration in spending are consistent with those of other
15 researchers and they're also fairly stable from year-to-
16 year.

17 We looked at the period 1996 to 2002. The top 1
18 percent of beneficiary ranked by fee-for-service program
19 spending accounted for about 20 percent of total program
20 spending in 2002 and had an average program spend of about
21 \$9,600 per month which is about \$115,000 in that year. The
22 top 5 percent of beneficiaries accounted for nearly half of

1 program spending, and the top quartile or 25 percent made up
2 nearly 90 percent of total spending. So this distribution
3 of spending is obviously highly skewed.

4 Mean spending for the entire fee-for-service
5 population was about \$500 a month in 2002. And the median,
6 the point where half of the population had spending that was
7 higher and half low was just \$92 per month. So the bottom
8 three quartiles of people ranked by spending only accounted
9 for about 12 percent of total program spending.

10 But you might next wonder whether high-cost
11 beneficiaries remain high cost from year-to-year. That's an
12 important consideration for thinking about how to identify
13 who might benefit the most from better care coordination.
14 In our data set one would look at these results and the
15 glass could be half full or half empty.

16 This table shows one-year persistence in each
17 year's beneficiary's ranking based on their spending. So
18 the rows are showing you a person's rank in year one and the
19 columns are showing their outcome in a subsequent year. If
20 you look at the first couple of columns in you'll notice
21 that some of our beneficiaries drop out of the data set
22 between years because some die and some are simply lost from

1 our sample: we're unable to match their data from year-to-
2 year. These results reflect the average position of
3 beneficiaries in our data set over any two years over the
4 1996 to 2002 period.

5 So now I'm going to take away some of this data
6 just to make it easier to look at the most costly groups.

7 If you look at the circled value, this is showing
8 that about half, 48 percent of the beneficiaries who were
9 among the most expensive 25 percent in the first year were
10 also among the most expensive 25 percent in the subsequent
11 year, so that suggests a fair amount of persistence. But
12 among those people who were in the top quartile of spending
13 in the first year, another 15 percent died, 1 percent were
14 lost from our sample and the remaining 22 plus 11 plus four,
15 which is 37 percent, fell into the lower three quartiles of
16 spending in the subsequent year. So that's what Chris meant
17 by saying there is a fair amount of regression toward the
18 mean. A sizeable share of the high spenders are going to
19 have much lower spending in the next year.

20 If your job was to predict who was going to be
21 among the most expensive 25 percent in year two, about half
22 of these people, the 28 plus 16 plus 8 percent there, were

1 from among the bottom three quartiles in the previous year.
2 If you remember, those bottom three quarters were only
3 accounting for about 12 percent of spending in 2002. So
4 that's telling you that some of the people who become very
5 high spenders in year two are coming from relatively low
6 amounts of spending.

7 DR. ROWE: Can I ask a question about that? You
8 really should take the 15 percent who died out because we're
9 not worried about what their expenditures are going to be in
10 the second year, as we're looking at the efficacy of the
11 program. So that then increases the proportion in these
12 other quartiles by 15 percent or so because the size is now
13 that 15 percent less. So your 48 becomes 55 and your 22
14 becomes 26 or something like that; is that right?

15 DR. SCHMIDT: Yes, that is right. We were trying
16 to go for full disclosure here about what is happening to
17 some of the people.

18 DR. ROWE: Regardless of how hard you manage
19 disease, you hardly ever influence the expenses in the year
20 after they die, despite the full disclosure aspect. So
21 really you're up over 55 percent or so of the relevant
22 population that could be managed, are in the first quartile.

1 And if you look at the first and second together you're up
2 by almost 80 percent; is that right?

3 DR. SCHMIDT: So you're a half-full kind of guy.
4 [Laughter.]

5 DR. ROWE: As an insurance guy, I'm aware that
6 while there are no expenses in the year after death, there
7 are also no premiums.

8 [Laughter.]

9 DR. SCHMIDT: Moving on. Disease management
10 companies also use information about diagnoses from claims
11 data to target enrollees or to stratify the services that
12 different people receive and provide different intensities
13 of care coordination. In the left-hand bars we show the
14 prevalence of certain conditions, certainly not all
15 conditions, as well as by certain characteristics of
16 interest. In the right-hand bars we're showing you the
17 share of fee-for-service program spending accounted for by
18 that group. Spending numbers contain all of the program
19 costs for people who had those conditions including any of
20 their comorbidities. People could fall within several of
21 these categories at the same time. Clearly, in each of
22 these groups they're accounting for a disproportionate share

1 of spending.

2 So why did we pick these particular conditions and
3 groups? Three of the conditions, CHF, COPD, and diabetes
4 are considered threshold conditions for the chronic care
5 improvement program in the Medicare Modernization Act. That
6 means that these conditions are one basis by which people
7 may be targeted for enrollment in that program. We also
8 included ESRD because that population is one that might
9 particularly benefit from better care coordination and we
10 plan to devote some time and attention to that population as
11 well as those with chronic kidney disease in our June
12 chapter.

13 We also asked Chris to take a look at dementia
14 because of its higher prevalence in the Medicare population.
15 We think that is one unique aspect of the Medicare
16 population that could make care coordination more
17 challenging. There may be other factors as well.

18 The Commission has talked about other
19 beneficiaries, such as those who are dually eligible for
20 Medicare and Medicaid, those who approaching the end of
21 line, and people who are institutionalized as other
22 populations of particular interest.

1 This table gives you a bit more detail about
2 average Medicare program spending by the beneficiaries who
3 have these conditions or characteristics that I just showed
4 you. So you can see, for example, that fee-for-service
5 enrollees who had a diagnosis in claims data of CHF spent an
6 average of nearly \$1,900 per month in 2002, which is about
7 3.7 times the overall average of \$500 per month. The third
8 column shows us that 41 percent of beneficiaries who had a
9 CHF diagnosis in 2002 claims data fell into the top 10
10 percent of beneficiaries ranked by fee-for-service program
11 spending. And since CHF is fairly prevalent, about 10
12 percent of fee-for-service enrollees have it, CHF patients
13 made up a sizable share of everybody in the top 10 percent;
14 38 percent of those people.

15 By comparison, if you look midway down at ESRD,
16 those costs per person are much more on average than CHF;
17 nearly \$3,900 per month in 2002, or about eight times
18 average program spending. This table shows you that 80
19 percent of the beneficiaries who had ESRD fell among the top
20 10 percent of people ranked by spending. But ESRD has much
21 lower prevalence than CHF, only about 1 percent of fee-for-
22 service enrollees have it, so those people with ESRD made up

1 only about 6 percent of everybody who is among the top 10
2 percent.

3 You might be somewhat surprised comparing some of
4 the groups on this slide. For examples, while beneficiaries
5 with a diagnosis of diabetes certainly spent more than
6 average, they're spending is less than twice the average
7 versus some of the other factors that you see up on the
8 screen that are much larger. Likewise, people who are
9 dually eligible for Medicare and Medicaid had spending that
10 was about 1.5 times the overall average.

11 I mentioned that some people point to the high
12 prevalence of chronic conditions, particularly multiple
13 chronic conditions, as a reason why the Medicare population
14 might benefit particularly from better care coordination.
15 Here we're showing the distribution of combinations of just
16 the three threshold conditions that I mentioned were in the
17 MMA, CHF, COPD and diabetes. So we're showing here that 74
18 percent of fee-for-service enrollees had none of those three
19 conditions. But since this is based on claims data as Chris
20 described, that is probably an underestimate of prevalence.
21 Many of the 74 percent certainly had other types of chronic
22 conditions.

1 We might see higher prevalence of these three
2 conditions if we also were able to look at prescription
3 drugs claims, which we did not for this analysis. Of the 26
4 percent who had one of these combinations, 20 percentage
5 points are made up of people who had one condition, five
6 percentage points of people who had two of these conditions,
7 and one percentage point had all three conditions.

8 This slide is pointing out that the more
9 conditions one has on average, that's associated with higher
10 spending. That's reflecting the fact that people who have
11 more conditions tend to require more complicated care, more
12 types of specialists and providers and probably are at
13 greater risk of needing a hospitalization. So for example,
14 a person with a diagnosis of one of these three conditions
15 had spending about 1.7 times the overall average, while
16 someone who had all three was about 6.4 times more expensive
17 than the average. Nearly two-thirds, or 63 percent of the
18 beneficiaries with all three of these conditions fell among
19 the top 10 percent of beneficiaries ranking by spending.
20 But since those people are so few in number, they only made
21 up about 6 percent of everybody who was among the top 10
22 percent.

1 It's kind of interesting to see that 37 percent of
2 people who had none of those three conditions were among the
3 top 10 percent. But again, they probably had other types of
4 conditions that just were not included on this slide.

5 In your mailing materials there was also some
6 discussion, some combinations of these conditions with
7 dementia. I don't have a slide on that here but if you were
8 to compare pair-wise, people who have a condition and that
9 condition plus dementia it does seem to add considerably
10 towards their average spending, on the order of 1.5 to three
11 times varying with that condition.

12 Finally, Chris took a look at each of our
13 conditions and the populations of interest and the number of
14 hospitalizations that they had and that's what this slide
15 portrays. So in the far left-hand bar you can see that
16 among the entire fee-for-service population 80 percent had
17 no hospitalizations in a given year, 13 percent had one, and
18 7 percent had two or more. About 62 percent of
19 beneficiaries who had ESRD, which is on the right-hand side,
20 had one or more hospitalizations a year, which is probably
21 not too surprising considering the complexity of that
22 particular condition. But what I think we found was more

1 surprising was that people with CHF had that same share as
2 ESRD, about 62 percent had one or more hospitalizations.

3 ESRD patients were more likely to have repeated
4 hospitalizations than CHF patients. Nevertheless, this
5 information supports one thing that we heard repeatedly in
6 interviews with the various experts that we spoke with. We
7 heard over and over again that CHF was considered the low hanging
8 fruit among different conditions for care coordination and
9 disease management. In other words, if care coordination
10 programs can educate patients and help them to monitor their
11 conditions more closely then we might be able to avoid some
12 expensive hospitalizations and improve the quality of their
13 care.

14 DR. NELSON: Was the diagnosis applied during the
15 index hospitalization? That is, congestive heart failure
16 may be diagnosed initially as a result of a hospitalization
17 which would tend to push that higher. Whereas, COPD may be
18 diagnosed first in the office and a subsequent
19 hospitalization would not necessarily trigger the diagnosis
20 being applied.

21 DR. HOGAN: You're correct, that it may well have
22 been -- the initial hospitalization during the year is where

1 we picked up the CHF diagnosis. The last time I looked,
2 one-third of Medicare fee-for-service hospitalizations have
3 a diagnosis of CHF on them somewhere, so that probably
4 explains -- that came out in the additional CHF payments to
5 managed-care plans. So that may explain why the CHF
6 hospitalization rate looks so high. We get one-third of
7 hospitalizations in our population off the crack of the bat,
8 and anyone else who is diagnosed on an outpatient basis
9 shows up there as well.

10 DR. SCHMIDT: So let me finish up by summarizing
11 some of what we've learned by looking at fee-for-service
12 claims data. First, we found that program spending for
13 beneficiaries is highly concentrated and high costs are
14 somewhat persistent. So about half of those who are among
15 the top 25 percent of spending in one year were also among
16 the top 25 percent in a subsequent year. But predicting
17 who's going to be among the top 25 percent of spenders is a
18 bit tricky because many of the people who are going to be
19 among that top 25 percent are coming from the lower ranks of
20 spending in the previous year.

21 It's common practice to also use diagnoses from
22 claims to help determine who to enroll in care coordination

1 programs or to tailor the sorts of services that they're
2 going to receive. But Chris I think pointed out, or we told
3 you in the mailing materials anyway, that diagnoses are not
4 necessarily put consistently on claims data from year to
5 year, so this certainly a limit or something you should bear
6 in mind.

7 Finally, claims data are obviously going to be
8 very important to CMS and to the organizations that are
9 going to deliver care coordination for fee-for-service
10 enrollees because they're going to need it to target
11 enrollees and to tailor their services. But they may need
12 to supplement claims data with other sorts of data, such as
13 health assessments and prescription drug claims, if that
14 becomes available. And timely access to Medicare claims
15 information is going to be extremely important.

16 We'd be happy to take your questions and
17 suggestions. Thank you.

18 DR. ROWE: A couple comments about this. I
19 certainly agree with the view that predictive modeling and
20 the selection of participants to be included is the
21 important determinant in the financial and clinical outcome
22 of disease management. I think that many of the disease

1 management programs are commodities and they may be
2 implemented to different degrees by different vendors, but
3 the secret is selecting the right patients, and I think we
4 need to emphasize that.

5 I think that a point that begs to be made in the
6 chapter, which you mentioned in our comments but could be
7 emphasized more, is the fact that with the Medicare
8 Modernization Act we may start to get some information on
9 medications. and that's going to dramatically improve the
10 predictive modeling ability. Medicare currently doesn't
11 have medication information. And it's important to
12 understand that disease management in chronic heart failure
13 is medication management. Many of these disease management
14 programs are basically medication management programs.
15 Certainly asthma is a great -- not so much in the elderly,
16 but in the younger population it's all about medication
17 management to keep the patients out of the emergency room.

18 So I would emphasize that, that the MMA provides
19 us with an opportunity to be more effective in disease
20 management than we would have otherwise if we can capture
21 the pharmaceutical information.

22 A third point is, it would be worth mentioning the

1 distinction between disease management and these chronic
2 diseases and chronic care, because if people aren't
3 clinicians they're going to confuse the two. Managing a
4 chronic disease is one thing; very important. The savings
5 in these programs are avoiding acute complications of
6 chronic diseases. It's the acute exacerbation of
7 hypertension, heart disease, heart failure, the angina, the
8 pulmonary edema, the stroke, those are the things we want to
9 avoid. Those are acute illnesses that are treated in the
10 hospital.

11 They're not chronic illnesses. They're the acute
12 complications of chronic illness. As opposed to arthritis,
13 which is a chronic disease that gets chronic care but which
14 you're not necessarily looking for a target of an acute
15 exacerbation. So these two things are a little bit
16 different, as a clinical point.

17 It would be worthwhile knowing what the
18 persistency is within disease categories, because while this
19 global information you presented is helpful, there is no
20 global patient. Every person is either a diabetic or a
21 chronic heart failure patient or whatever, and those are the
22 decisions that have to be made about the program.

1 The last point I would make is, I think it's
2 important to say a few words about the role of the physician
3 here, because we don't want to talk about the Medicare
4 program coming in and somehow, in a way that's orthogonal to
5 what the physician is trying to manage these patients. You
6 read this chapter and where's the doctor? It's about
7 Medicare and the patient. We want to talk about Medicare
8 and the doctor and the patient, and helping the doctor use
9 what is known about disease management for his or her
10 patients who are Medicare beneficiaries.

11 I think that's really important because you will
12 not get the patients to enroll or remain in the program
13 unless the physicians are partners, I think.

14 DR. SCHMIDT: I think that's a very good point and
15 I hope that you will find at the point when we integrate
16 these two papers, we definitely in the second paper coming
17 up try to emphasize that point and I hope we bear that.

18 MR. FEEZOR: Jack made more eloquently the two
19 points that I was going to make. Is there any -- if we were
20 able to include the pharmaceutical cost component would the
21 arranging of the top five or the percent of money being
22 spent be about the same, or is there any extrapolation on

1 that?

2 DR. HOGAN: No. If you want to see it we can do
3 it though. We can take the Medicare current beneficiary
4 survey, they have the drug costs there and if you want to
5 see that we can do it. My guess is --

6 DR. NEWHOUSE: There's some data in the under-65
7 that show drug costs are more persistent than hospital and
8 doctor costs, and there's no reason to think that wouldn't
9 apply to the over-65. But the drug spend is probably a
10 small enough part of the total it wouldn't importantly
11 change the qualitative conclusions here.

12 DR. HOGAN: Yes, hospitalizations drive it.

13 MS. ROSENBLATT: Just a little bit more on what
14 Jack said about finding the right people for these disease
15 management programs. We found with the commercial
16 population that a lot of the disease management involves
17 patient self-management; people with heart disease not
18 eating salt and things like that. So there's a compliance
19 issue, and these are not going to be effective if you get
20 the patients that aren't interested in being compliant or
21 doing that kind of stuff.

22 I would think with the Medicare population there's

1 an additional issue of who's capable of complying versus
2 those who aren't; 65-year-olds probably can comply with some
3 of this stuff, the 85 and 90-year-olds maybe would like to
4 but just aren't able to. So I think there may be an issue
5 there that we could explore more fully.

6 MS. RAPHAEL: I was just going to ask if you had
7 any hypotheses about the dually eligibles, because you
8 commented and I also was surprised that they are not as
9 costly as one might have expected. I know from some work
10 I've been doing on Medicaid high utilizers that among their
11 most expensive encounters have to do with inpatient stays
12 for psych, which we wouldn't at all capture here. But I
13 just was wondering if you had any thoughts about that.

14 DR. SCHMIDT: One of our findings from some work
15 that Chris had done was about half of the institutionalized
16 are on Medicaid.

17 DR. HOGAN: Yes, a little more than half. You can
18 watch them spend down to Medicaid once they're in the
19 institution. So I think that most of the higher costs we
20 see there are the costs of the institutionalized population
21 being Medicaid. We should benchmark these numbers against
22 others, but certainly CMS publishes statistics on the

1 average cost by buy-in status and we can make sure we got it
2 right, insofar as that's right.

3 DR. SCHMIDT: It does seem to be the case that the
4 dually eligible are not a uniform population. There are
5 some who are institutionalize and costs associated with
6 that, and others who are less expensive. Let me put in a
7 plug for the work that some colleagues are doing on the
8 duals that you'll see later this afternoon where they're
9 going to look at that in more detail.

10 DR. STOWERS: I was going to bring out the
11 physician point, but another question, Chris, when you carry
12 the data forward on the number of hospitalizations that
13 involve congestive heart failure, is that there primary
14 diagnosis?

15 DR. HOGAN: No, it's the economist looking at it;
16 a dollar is a dollar. It was the total number of
17 hospitalizations.

18 DR. STOWERS: They could come in with a fractured
19 hip but had a previous diagnosis of congestive failure and
20 it's still going to be a congestive failure admit then?

21 DR. HOGAN: No, I will still count them as having
22 been admitted to the hospital and in my congestive heart

1 failure bucket. Yes, they may have been admitted for a hip
2 fracture but it's still one of their admissions.

3 DR. STOWERS: So getting to Jack's point about
4 we're looking for acute exacerbations or preventing those
5 within heart failure because of medication management or
6 whatever, that may not be why they're back in the hospital.
7 It could have been for -- so the fruit might not be quite as
8 low hanging as we think.

9 DR. HOGAN: I would have no problem trying to flag
10 the ones where the principal diagnosis was congestive heart
11 failure or pneumonia.

12 DR. STOWERS: I think that's a huge issue because
13 all of our practice, once they're labeled with congestive
14 heart failure, that's in their history and physical when
15 they come in. We manage the medications for that during the
16 acute stay, even though they've had absolutely no
17 exacerbation there and that's not the reason they're there.
18 They could have come in for an elective, anything, and --

19 DR. NEWHOUSE: That should balance out between the
20 non-CHF and the CHF patients.

21 DR. STOWERS: No, but your diabetes is carrying
22 forward, your congestive failure is carrying forward. It

1 may not be exacerbations of these at all is what I'm saying.
2 I think it needs to be the primary reason they went in,
3 that's what I'm trying to say.

4 DR. HOGAN: Right, I cheerfully break those out by
5 principal reason for the admission. You'll find for the
6 diabetics that almost nobody the principal reason is
7 diabetes. But for CHF we'll see. I'll bet it's half, but
8 we'll go look.

9 DR. STOWERS: It could be big. I just don't know
10 what that --

11 DR. REISCHAUER: But Joe's point is the population
12 you're comparing it to has the hip fractures, everything
13 like that, in it already and what you're looking at is just
14 the difference between the two.

15 DR. ROWE: The point is how much can be saved?
16 How many of the admissions that occur are potentially
17 avoidable? And these unrelated ones are not unavoidable,
18 right?

19 DR. REISCHAUER: No, but what you're looking at is
20 the difference between the two and they are not in the
21 difference between the two.

22 DR. NEWHOUSE: If the incidence of hip fracture is

1 the same in the two groups, they difference out.

2 DR. ROWE: If what you're looking at is the
3 difference. If what you're looking at is the number of
4 admissions and you're assuming that they are avoidable, it
5 may be that --

6 DR. STOWERS: We're saying the admissions are
7 what's driving the cost up, trying to save acute
8 exacerbations, that's not what this data is. It's just any
9 admission that had that diagnosis.

10 MR. SMITH: Chris, just a quick caveat about your
11 caveats. As I read the mail text I assumed that the failure
12 of diagnosis persistency would raise the share of the most
13 expensive cohort in the second year. Is that the right
14 interpretation of that? So along with Jack's subtracting
15 the folks who weren't around any longer, that number would
16 still be higher because of the lack of coding persistence.

17 DR. HOGAN: If you want me to look at persistence
18 by disease then I have to make an important choice as to
19 when I'm going to flag somebody having a disease. Right
20 now I do it one year at a time. If you had CHF in one year
21 then you're a CHF patient. And if you didn't have it
22 reported the next year you're not. If I'm going to look at

1 persistence by disease I'll have to make some sort of
2 decision rule about whether or not -- for example, if I have
3 CHF in either year, should I now count you as a CHF patient?
4 So I don't really know how to answer your question until
5 I've gone back to look at the data to see how that will work
6 out.

7 MR. HACKBARTH: Any others? Continuing now on the
8 theme of chronic illness we're going to talk about the
9 Medicare Modernization Act and chronic care improvement.

10 MS. MILGATE: One of the most important challenges
11 to the Medicare program is to find ways to better address
12 the needs of beneficiaries with chronic conditions and ways
13 to better coordinate care for all beneficiaries. The
14 Commission stated its support for exploring these issues in
15 past discussions.

16 In the private sector, an increasing number of
17 purchasers and health plans are purchasing or developing
18 disease management programs to address these concerns for
19 their own enrollees, and many have also suggested these
20 programs may be useful as a cost-saving tool. Recognizing
21 this need, Congress established the foundation for a
22 voluntary chronic care improvement program in the fee-for-

1 service part of Medicare in the Medicare Modernization Act.
2 In this session and in the chapter in the June report we
3 focus primarily on implementation issues coming from Section
4 721 in that act, but we'll also continue to evaluate the
5 extent to which these goals are met more generally.

6 We ask you to consider whether this draft chapter
7 addresses the issues you've identified in previous
8 discussions and any additional issues that would be useful
9 in the chapter.

10 Just a brief overview of what the provisions did
11 in the legislation. The goals of the chronic care
12 improvement program in the MMA are to improve the quality of
13 chronic care for those with chronic conditions, improve the
14 beneficiary satisfaction, and to achieve savings targets.
15 The program is put in place in two phases. The first phase
16 begins in December of 2004 with CMS contracting with
17 contractors who will then take on responsibility for care
18 management for particular populations. These contracts will
19 be for three years and the program must overall be budget
20 neutral.

21 CMS will issue a solicitation for bids in the next
22 couple of months. The contractors' fees will be at risk.

1 To move into phase two of the program, the individual
2 programs must meet savings targets as well as quality goals,
3 and overall the program will also need to show itself as
4 budget neutral.

5 This slide just illustrates the implementation
6 issues that we've identified and that we'll go through on
7 this presentation. I'm not going to go through each of the
8 questions but that's how the rest of the presentation will
9 be organized.

10 The first issue, who will receive chronic care
11 improvement services. First of all it's important to note
12 that not every beneficiary is eligible for this particular
13 service. The legislation allows CMS to determine how to
14 define the regions where this will be available as well as
15 to actually decide how to target the initial population; the
16 key issue that you've identified in the previous discussion.
17 In the legislation, the threshold conditions I noted are
18 congestive heart failure, chronic obstructive pulmonary
19 disease, diabetes, and then there is an other category which
20 could be used if they decide there's another type of chronic
21 condition to target as well. The legislation states that
22 beneficiaries who will be eligible for this service will

1 need to have one or more of those conditions.

2 Then there is also a question about what level of
3 severity will be included in the target populations, and
4 that's a lot of the discussion you've just had and Rachel
5 showed data on how that's a very difficult issue to address
6 because many folks will be in the high severity level in one
7 year and then move down to a lower category naturally
8 without any intervention necessarily. And there are others
9 who are currently at low risk who will move into a high-risk
10 population. So that's one issue that will be a difficult
11 one, both for CMS as well as the contractors.

12 The other question though that we take is
13 important more broadly is whether this method of identifying
14 those that would need these services would actually be able
15 to identify a broad group of categories of beneficiaries who
16 might need them. For example, those with chronic kidney
17 disease, dually eligible, or those who at the end of their
18 life and may need some care coordination for end-of-life
19 care may be identified through the conditions that we have
20 just noted, the threshold conditions, but in fact some of
21 them may be left out and there may be some concern over
22 whether they would actually be able to get the services they

1 need given they aren't necessarily -- their CHF might not be
2 their most important problem, for example.

3 The other category of people we think we might not
4 be targeted as well as they otherwise could have been would
5 be those who were at low risk, but at risk for these
6 conditions, such as those with hypertension or high
7 cholesterol.

8 So there's two levels of targeting. One is done
9 by CMS and then the second level noted on the second bullet
10 there is that contractors will also be able to decide what
11 types of interventions to give to certain people. So what
12 we were told in our interviews with a variety of different
13 organizations that do disease management is that they, in
14 addition to using claims data to target those that are high
15 severity or high risk for some of these diseases, is then
16 tailor the interventions based on health assessments and
17 then more intense predictive modeling. So that, for
18 example, a diabetic who has fairly controlled levels of
19 glucose wouldn't necessarily have the same level of services
20 as someone who has an uncontrolled level.

21 DR. SOKOLOVSKY: Another important issue, and it's
22 already been identified in the earlier session is who will

1 provide chronic care services under the act? The MMA states
2 that these programs can be provided by physician group
3 practices, disease management organizations, insurers, and
4 integrated delivery systems. This we think is appropriate
5 because there is no single model for the provision of
6 chronic care. This is particularly true in the case of
7 physician participation in the program. We saw a lot of
8 models out there.

9 Programs range from those that are run by or for
10 physicians to those where most or all communication between
11 disease management organizations and physician is mediated
12 through the patient.

13 Physician-centered approaches include the primary
14 care case management program in North Carolina Medicaid that
15 we had a presentation on in our October meeting.
16 Additionally, some physician multi-specialty group
17 practices, and one example is the Geisinger system in
18 Pennsylvania, have created disease management programs for
19 management of their patients with chronic conditions. These
20 programs employ nurses to handle patient education and care
21 coordination, freeing physicians for more time to practice
22 medicine, as they say.

1 Commercial disease management programs also have a
2 wide range of relationships with physicians, but tend to
3 focus more on patient self-management of their condition.
4 Nurses provide patient education and monitoring services,
5 but they also work with physicians in many different ways.
6 All the protocols that are used by these organizations are
7 developed by physicians. Some of the programs, but not all,
8 use physicians to help identify patients who need the
9 services and encourage patients to enroll. All of the
10 programs provide data on their patients to physicians, and
11 some provide additional data so that physicians can
12 benchmark themselves against their colleagues.

13 Another question is what services will be
14 provided. The MMA gives a very general list of services.
15 It requires contractors to develop care management plans for
16 each participant and these care management plans are meant
17 to be tailored to the individual needs of the participant
18 based on their levels of risk. The program must screen for
19 additional chronic conditions and contractors must have
20 enough information technology capacity to do predictive
21 modeling, create protocols for nurse call centers, and
22 evaluate the impact of their programs on an ongoing basis.

1 But specific interventions are not mandated. The
2 law assumes that the programs will provide some services
3 that are now covered under the Medicare program. For
4 example, it says that programs should provide at-home
5 monitoring technologies to beneficiaries if appropriate.

6 One service that's typically not provided by
7 current disease management programs is case management.
8 From what we heard in our interviews, disease management
9 organizations typically refer their highest risk cases to
10 either Medicaid or insurers' case management programs. Case
11 management would be a particularly important service for the
12 Medicare population because of the greater likelihood of
13 their multiple comorbidities, and also because of their
14 greater frailty level. Since Medicare doesn't have case
15 management services, contractors will need to develop the
16 capacity to furnish these services.

17 Another issue that is somewhat addressed in the
18 law but not in any great detail is how payment will be set.
19 The law says that contractors will be paid on a per-member
20 per-month basis but is not at all specific on what that will
21 be. The contractors will bid to provide the service and CMS
22 will then negotiate with the bidders based on the services

1 they propose to provide and the population that they propose
2 to provide them to.

3 Bids will take into account the services, and
4 additionally, contractors have to take performance risk.
5 That means that the fees that are paid to the organization
6 by Medicare will be withheld if the programs do not meet
7 their contracted goals. But they will not be responsible
8 for any additional medical costs.

9 One aspect of the law that we're looking into is,
10 I said at the beginning that it's meant to be available for
11 many different models, but there are some aspects of the law
12 that may make it difficult for group practices to
13 participate. This is especially true because of the size of
14 the areas in which the programs must be based. They must be
15 based in an area where there are at least 10,000
16 beneficiaries with the targeted condition who are available
17 to be a control group. And in aggregate the program must be
18 conducted in areas where at least 10 percent of the Medicare
19 beneficiary population lives.

20 Another important issue, while the statute gives
21 chronic care improvement organizations considerable
22 flexibility, CMS has ongoing responsibilities that will

1 significantly affect whether the program succeeds or fails.
2 First, current organizations require timely data to
3 determine appropriate levels of intervention for enrollees,
4 to reevaluate the risk levels of their population, and
5 assess the effectiveness of what it is that they're doing.
6 CMS will have to supply claims data to contractors at least
7 quarterly and many of our interviewees said that monthly
8 would be preferable.

9 Another issue which also has come up earlier is
10 the issue of dual eligibles. Half of all states have
11 Medicaid disease management programs and CMS is encouraging
12 more of them to start these programs. But there are few
13 mechanisms to coordinate care or share data between Medicare
14 and Medicaid. Coordination is necessary to prevent
15 redundant efforts. Also, if the data from both programs
16 were available, targeting and care management would be much
17 improved, and the beneficiaries in both programs would
18 benefit.

19 Lastly, the MMA includes a number of other
20 programs for chronic care improvement. All the new drug
21 programs are required to establish drug therapy management
22 programs for beneficiaries with multiple chronic conditions.

1 Additionally, CMS is currently negotiating in its eighth
2 scope of work for the quality improvement organizations to
3 address care for beneficiaries with multiple chronic
4 diseases. In neither case is it clear how coordination
5 between the drug plans and the QIOs and these new chronic
6 care improvement programs would work.

7 MS. RAY: Another issue we considered is that most
8 beneficiaries suffer from multiple chronic conditions as
9 already pointed out to you by Rachel and Chris. Overall,
10 about 70 percent of beneficiaries suffer from two or more
11 conditions and 20 percent suffer from five or more
12 conditions. Contractors will need to pay particular
13 attention to conditions whose prevalence increases
14 dramatically with age.

15 We specifically mentioned dementia and frailty as
16 examples of those conditions. From our analysis, we learned
17 that 5 percent of beneficiaries suffer from dementia. That
18 probably is an underestimate because it is derived from the
19 claims data. From MCBS we know that 15 percent of all
20 beneficiaries have three to six activities of daily living
21 impairments. Just picking up on Joan's point, of concern is
22 that some contractors have limited experience in dealing

1 with dementia and frailty in their commercial populations,
2 and when they do have these patients they are often referred
3 to case managers.

4 An issue related to the fact that many
5 beneficiaries have multiple conditions is the use of
6 clinical guidelines. Most current disease management
7 contractors base their intervention on evidence-based
8 guidelines. The concern raised by interviewees is that most
9 clinical guidelines are typically developed for a single
10 chronic disease and may be of limited help for patients with
11 many comorbidities. In that instance, a physician who knows
12 the history of a patient may have a greater capacity to
13 tailor a care management plan to fit the needs of the
14 individual.

15 I'd like to just now briefly raise two areas
16 previously mentioned by the Commission as areas where care
17 coordination has potential. The first is end-of-life care.
18 To the extent that beneficiaries can be identified
19 prospectively they may benefit from care coordination. The
20 MMA does require that contractors' care plans include
21 information about hospice and end-of-life care. Many of our
22 interviewees agreed upon the need for care coordination for

1 those near the end-of-life but that most programs were not
2 yet effective in providing services for this population.

3 The second group I'd like to briefly touch upon
4 are those with chronic kidney disease. Here the MMA does
5 not include chronic kidney diseases as either a threshold
6 condition or as a condition that should be somehow
7 considered in the care management plan. The concern here is
8 that contractors may not address the needs of CKD patients
9 or dialysis patients in particular because they represent
10 only 1 percent of all Medicare beneficiaries. However, as
11 Rachel pointed out, they account for about 6 percent of all
12 spending. Dialysis patients could benefit from care
13 coordination because they do suffer from multiple chronic
14 conditions.

15 Next month at the April meeting we will be
16 presenting you additional information about patients with
17 chronic kidney disease, their spending before and after
18 dialysis, and the potential benefit for screening for
19 chronic kidney disease and providing interventions to CKD
20 beneficiaries before they require dialysis.

21 The last issue we'd like to talk with you about is
22 evaluation. Each program is required to be evaluated. The

1 law requires that, and the law is specific as to requiring
2 an assess on the quality improvement measures, particularly
3 adherence to evidence-based guidelines and rehospitalization
4 rates, and beneficiary and provider satisfaction, health
5 outcomes, financial outcomes, including any cost savings.

6 As already touched upon by Karen, to expand in
7 phase two a program's evaluation must show that the program
8 improved the clinical quality of care, improved beneficiary
9 satisfaction, and achieved savings targets. Your briefing
10 materials raise five issues that CMS will need to address
11 when thinking about how to evaluate each program.

12 First, the law requires the selection of a control
13 group so that Medicare can assess the effectiveness of each
14 chronic care improvement program. But the law does not
15 address who is required to collect outcomes data like
16 beneficiary satisfaction that's not available from the
17 claims data, about the control population. That is, should
18 it be CMS, the contractor's responsibility, or is it the
19 independent evaluator's responsibility to collect that data?

20 The second and third bullet points are related.
21 The law does not require standardized measures or a
22 standardized approach to evaluate each program. If there is

1 no standardization, the concern here is that it will be
2 difficult to determine which programs are more effective
3 than others. In addition, the threshold for expanding into
4 phase two could vary from contractor to contractor.

5 The implementation of the Part D prescription drug
6 benefit during the three-year study period could affect the
7 analysis of a program's financial outcomes if, for example,
8 controls are less likely to enroll than program
9 participants.

10 The last evaluation issue I'd like to raise
11 concerns the law's budget neutrality provision. That is,
12 the aggregate sum of Medicare program payments for
13 beneficiaries participating in the program and funds paid to
14 the contractor cannot exceed estimated payments that would
15 have been made for participants in the absence of the
16 program. It remains to be seen how the Secretary will
17 structure savings targets for individual programs to ensure
18 the overall budget neutrality.

19 Also, it remains to be seen what happens if
20 individual programs achieve their goals but overall Section
21 721 is not budget neutral.

22 At this point we have completed our presentation

1 and we'd be happy to take questions and hear additional
2 issues.

3 DR. WAKEFIELD: I want to see if I understand this
4 correctly. Would it be your case that the way this is
5 structured that it's going to result in some pretty
6 significant exclusion of rural populations, given an N of
7 10,000 and a control group and high numbers actually
8 enrolled in the program? So what's your take about how
9 accessible this will be for rural providers and populations?

10 DR. SOKOLOVSKY: In some way it might be the
11 opposite because the regions will have to be very large and
12 therefore one would think that they would go beyond any
13 particular metropolitan area.

14 DR. WAKEFIELD: I'm thinking about a physician
15 group, for example, and I would say the physician group
16 based in my hometown of Grand Forks, North Dakota might have
17 to service the entire state to get the numbers with a
18 particular disease to be able to qualify to participate in
19 this program.

20 DR. SOKOLOVSKY: I think that that is an issue
21 with physician group practices and I tried to raise that
22 because I think in general most of them may have quite a bit

1 of trouble meeting that requirement.

2 DR. WAKEFIELD: If this appears in the June report
3 I just hope that that would be pretty explicit. You can
4 start to connect the dots as you're reading through the text
5 but it's not clear. So where you see it playing an
6 advantageous way, that would be helpful to see. I did not
7 quite get there, but that would be helpful then if that's
8 the case. I see the disadvantages and I think that where we
9 can highlight those -- I mean, it just almost struck me as
10 wholesale exclusion of some areas.

11 I actually have one other comment, and the comment
12 is later on in a subsequent session we'll be talking about
13 information technology applications with a discussion about
14 the role of the federal government in terms of encouraging
15 application of IT. If there's anything more you can tell us
16 here about the use of IT with chronic care as it's embedded
17 in these kinds of programs, I think that would be helpful,
18 at least for informing my thinking about its application and
19 the discussion that comes in the IT chapter. In other
20 words, how important is it, if you can get a sense of that
21 at all. One of you mentioned it in passing in your
22 comments, but it seems to me that if I had a better sense of

1 how fundamental it was to this set of programs then that
2 might help inform my thinking about recommendations and
3 ideas that we'll have regarding the role of the federal
4 government in encouraging the IT applications or not within
5 the Medicare program. So if you could make those linkages
6 in some fashion that would be useful.

7 MR. MULLER: I'd like to tie these two
8 presentations together and especially three themes that
9 arose from that, and then ask a question about it. First is
10 the fact that 5 percent of the most expensive beneficiaries
11 cost about \$60,000 to \$100,000 a year. I think that's what
12 was shown in Chris' table. A lot of it does come, as Jack
13 noted, from when patients with a lot of comorbidities, a lot
14 of underlying disease have in fact acute episodes.

15 Second, the question of how well we can identify
16 and target those people, identify them in any kind of way in
17 advance.

18 Then third is, what kind of interventions could we
19 in fact put into place that would help us both improve the
20 quality of the care, the quality of life, and also avoid
21 some of the costs? Because it strikes me, if it's costing
22 us -- there will obviously always be a top 5 percent of

1 cost, but in fact there are beneficiaries who we could help
2 avoid some of these acute conditions and if we knew how to
3 target them and knew how to do the interventions, at \$60,000
4 to \$100,000 per patient a year you could think about
5 spending an awful lot of money. You almost could have a
6 daily check in with them with a nurse or something like,
7 absent privacy and other kind of concerns, but just as a way
8 of thinking about it. You would think about a lot of
9 interventions you'd want to think about both in terms of
10 keeping them out of those life-compromising situations.

11 So to what extent are we going to be able to, as
12 part of these analyses and these programs, look at those
13 kind of issues of whether in fact we can target those
14 patients better, because in some ways a lot of our programs
15 are thinking about millions and millions of beneficiaries.
16 But in some ways if we could target a very small subset of
17 beneficiaries and understand what kind of interventions we
18 could make that would make a difference by keeping them out
19 of these acute conditions, that strikes me that would be a
20 major advance in their quality of life and also obviously
21 have big cost savings implications. So to what extent do
22 you think we will be able to find those kind of things out

1 through these analyses and these studies?

2 MS. MILGATE: I don't know if we can really answer
3 the extent to which. I think you put your finger on the two
4 real critical questions, which is how possible will it be to
5 actually target these people? Number two is, will the
6 programs that are contracting with Medicare be able to
7 deliver the kinds of services that those folks in particular
8 would need.

9 Clearly, those are some folks that are using a lot
10 of services and there are a lot of physicians and a lot of
11 different facilities involved so some real serious case
12 management is what it would call for. But I don't know if
13 either one of you want to comment on the extent to which we
14 could actually identify them.

15 MR. MULLER: In some ways, whether it's Mary's
16 point about the populations in North Dakota or other such
17 issues about how one changes the whole system, in some ways
18 it may be easier in a complex world to figure out how to
19 target individuals who need this kind of help more so than
20 to try to change physician practice patterns in America or a
21 payment system. These other things are very hard to do.
22 But if in fact we could -- for many of these people, since a

1 lot of them -- I don't know whether the top 1 percent -- I
2 know there are 15 percent who die so the top quartile, what
3 the rate would be in the top 5 percent and so forth, but
4 obviously is we could maintain and continue a quality of
5 life for them rather than having these acute episodes, that
6 could be a major advantage there as well.

7 DR. MILLER: Just to respond, when you were saying
8 we, did you mean the Commission's work or the work related
9 to this program?

10 MR. MULLER: The latter.

11 DR. MILLER: Okay, because that makes me much more
12 comfortable. I think we'll be able to do broad data
13 analysis and talk about potential populations. I think one
14 of the key evaluation issues will be when you grind down
15 into these programs, how do these programs actually go about
16 -- because a lot of them will start with administrative data
17 but then gather additional information through their
18 contact, phone calls and that kind of thing. That helps
19 them actually do the targeting. Some of the evaluation I
20 think has got to get to which of those interventions really
21 get to the target and then actually have an effect. So I
22 think your point is taken. I was a little worried that you

1 were wondering whether we were going to be able to get to
2 that point, and I don't think so.

3 MS. RAPHAEL: I'm not entirely clear who is going
4 to do the targeting. is CMS who's going to do the
5 targeting, or is the contractor who's going to do the
6 targeting?

7 MS. MILGATE: I maybe wasn't clear. There's
8 really two levels. The first level, CMS is given the
9 ability in the legislation to decide what actual population
10 is eligible. And the legislation's guidance is that the
11 beneficiaries have to have one or more of these conditions.
12 It's CHF, COPD, diabetes and other. Within that though
13 there are some issues of what level of severity, where the
14 beneficiaries may live, and then in particular regions, as
15 Nancy noted, there's also a control group. So those folks
16 might actually have some of those conditions like their
17 neighbor but not necessarily be targeted good for
18 interventions.

19 But then when the contractor actually takes
20 responsibility for managing the care of the particular
21 population that's targeted, what I was saying is what we
22 generally heard from our interviewees, even at that level

1 there's another level of targeted that happens to basically
2 determine what types of interventions to give to different
3 people in your population. So those with a diabetes would
4 get different interventions, clearly, than those with CHF.

5 But actually, one thing we didn't emphasize is
6 that once those beneficiaries are targeted through their
7 threshold conditions, the contractors are responsible really
8 for their overall care. So they don't just manage
9 presumably their CHF. They're supposed to look more broadly
10 at what else might be useful to manage for that particular
11 beneficiary. So then there would be different levels of
12 intervention depending upon the level of severity, the other
13 types of conditions, some of the information they may gather
14 from personal visits with the family or phone calls with the
15 beneficiaries. Some of them have told us, for example, they
16 may, over a period of time, pick up some dementia on the
17 part of the beneficiary and then maybe target their
18 interventions a little bit differently.

19 Does that answer your question?

20 MS. RAPHAEL: We've always come back and worried
21 about selection issues and I'm wondering to what extent, if
22 I'm a contractor, can I then just take one slice of this

1 very broad population, one or more chronic conditions, and
2 just target people who have diabetes and try not to get
3 people who have CHF or COPD or dementia?

4 MS. MILGATE: It depends a little bit on what CMS
5 does. If a contractor has to have people in its population
6 that are of all those kind or only one kind, I don't think
7 we know for sure how that will happen. But it does leave
8 that flexibility. I would suggest that if they had those
9 three conditions they maybe could target what they thought
10 was going to be the most -- the condition that would be
11 easiest to improve or else have more ability to keep more
12 people out of the hospital, for example.

13 DR. SOKOLOVSKY: Can I take a shot at this? The
14 RFP will go out and contractors will bid for a particular
15 population in a particular area. But it is CMS who will not
16 only target that population but make the initial contacts
17 and decide who's going to be enrolled in the program. Then
18 CMS will give to the contractor all the people that they are
19 responsible for, and they will be taking performance risk
20 for all those people whether they intervene with them or
21 not. So if you try to avoid the people that would be more
22 expensive, in fact it will cost you more.

1 DR. ROWE: The contractor is responsible for the
2 care of the patient? CMS determines this?

3 MR. HACKBARTH: Let me pursue it because I'm still
4 trying to envision exactly how these work. So will the
5 contractors in effect have an exclusive market area where
6 they will have responsibility for a set of Medicare
7 beneficiaries? That they get the list from CMS so they will
8 be the contractor in that particular geography for this list
9 of beneficiaries?

10 DR. SOKOLOVSKY: The law isn't exactly clear about
11 it but we are assuming, especially given the requirement
12 that all in all these programs have to be spread out so at
13 least 10 percent of the population --

14 MR. HACKBARTH: Because you could eliminate one
15 set of selection issues in your evaluation process if you
16 say that it's an exclusive contract to deal with this set of
17 beneficiaries with chronic conditions, A, and C.

18 Let me just play this out for a second. Now CMS
19 in order to have randomization for purposes of evaluation
20 has said that these beneficiaries are eligible and these are
21 not. It's the responsibility of the organization to then do
22 the outreach to the individual beneficiaries? But the

1 individual beneficiary has a choice on whether to
2 participate or not?

3 DR. SOKOLOVSKY: Yes.

4 MR. HACKBARTH: So another type of selection might
5 be introduced at that step depending on the nature of the
6 outreach.

7 DR. SOKOLOVSKY: Yes and no, because CMS will have
8 made the first contact and CMS will give to the contractor
9 the list of all the people that they are responsible for.
10 So if the contractor attempted to, for some reason, to
11 discourage some of the people they would still --

12 MR. HACKBARTH: They would still be calculated for
13 purposes of the overall evaluation. If you discourage the
14 more challenging patients then you would be stuck with their
15 high cost at evaluation day.

16 Now what about getting to Jack's point about the
17 role of physicians in this? If you're responsible for an
18 entire area, that really biases the model towards an all-
19 inclusive physician model, because if you discourage
20 physician participation you're not going to be able to
21 manage, influence the cost of beneficiaries who see those
22 physicians. So the basic model is an open network with

1 regard to physicians?

2 DR. SOKOLOVSKY: If a physician group practice
3 bids then they can be as closed as they want. But I do
4 think there are things that would bias against that.

5 MR. HACKBARTH: If you're going to do, how can you
6 possibly do well on the evaluation if you can't relate to
7 the other patients that go to other physicians?

8 DR. MILLER: Can I say something about this?
9 There may be different ways that it can happen, but just to
10 try to get a fundamental understanding. You have an area
11 and you have some entity that says, I will disease manage
12 for this area. They may have very different models they may
13 go -- they may go at it and say, the way we do disease
14 management is we really have a heavy involvement with the
15 patient, so we really talk to the patient about their care
16 and we work through them. Another disease management group
17 or entity may have a very physician-focused approach to it.

18 So in this instance we would say -- a lot of this
19 is evolving so just in terms of exactly what's going to
20 happen but this is the area. The entity would come in and
21 overlay the fee-for-service setting in that area and then
22 use its disease management tools to target and either work

1 with the patient, work with the physician, work with both,
2 whatever their particular intervention style is.

3 DR. ROWE: Most of these programs are telephonic
4 programs with nurses and we need to understand what these
5 programs are. They are telephonic programs with nurses
6 using an ongoing updated database. So the nurse notices
7 that a prescription was not refilled or whatever and calls--

8 DR. REISCHAUER: And they're going to get the
9 information from the 30 drug plans that are available within
10 that region on a timely basis? When I read this I wrote,
11 unworkable, on the top. My question was going to be, is
12 there a lot of interest out there in the industry about
13 this, because you have the scale issue, you have the fees at
14 risk, it's only three years long. You have the fact that
15 it's \$100 million, which is chump change for what we're
16 talking about. It struck me as a great expression of
17 interest in something but then packaged in a kind of
18 unworkable way.

19 MS. MILGATE: Can I just comment on that? I think
20 all of that is true, but at least the disease management
21 vendors we spoke with on the other side of it for them is in
22 particular they believe that congestive heart failure, and

1 they have worked some with diabetes, but because of the
2 prevalence of congestive heart failure in the Medicare
3 population and some of the other chronic conditions that in
4 fact it represents a huge opportunity. But you're right,
5 there are a lot of ways that it makes it a pretty difficult
6 job as well.

7 DR. ROWE: One way it might work, Bob, just to
8 respond to you is, if you have a group of cardiologists who
9 are doing a really good job and they have a lot of Medicare
10 beneficiaries with CHF, which we should refer to, by the
11 way, as chronic heart. That's what it stands for. Because
12 not all chronic heart failure is congestive. Some isn't.
13 So it's chronic heart failure. They have a bunch of
14 patients with chronic heart failure. They may already have
15 hired nurses, advanced practice nurses who are specialists
16 in cardiovascular disease who are following up on patients,
17 doing home visits, on the phone, checking the medications,
18 doing a really good case management job which they're
19 currently not getting paid for at all.

20 DR. REISCHAUER: So we pay them and make it budget
21 neutral? Pay them to do what they're doing already?

22 DR. ROWE: That's a second question. I'm just

1 responding to your question about is it worth it to anybody
2 to do it? For those people who are really working in the
3 patient's best interest, because the better the case
4 management is, the fewer doctor visits there are, the fewer
5 hospitalizations and the fewer Medicare claims these doctors
6 submit, quite frankly. But they are doing a good job for
7 their patients. Those physician groups would be benefitted
8 by this, and probably would apply.

9 MS. RAY: I just would want to add another point.
10 There's nothing in the law that explicitly says that phase
11 two is budget neutral, and phase two can begin as early as,
12 I believe, two years after the implementation of phase one.

13 MR. HACKBARTH: I have several people who have
14 been patiently waiting.

15 DR. STOWERS: I just wanted to get back to this a
16 little bit. We kind of leave the attitude through the
17 entire chapter that, I think the statement is, Medicare
18 currently does not provide case management service or
19 chronic care services. I would contend on a daily basis
20 millions of these patients with multiple of these diagnoses
21 are receiving millions of Medicare dollars through their
22 primary care physicians' offices and practices to be getting

1 this very service. I haven't heard any service mentioned
2 today that our practice plan doesn't provide for these
3 patients. The point is made, it's not being paid for in a
4 lot of cases. It's just coming out of the base budget of
5 the practice. Maybe that's an answer for the rural areas
6 that don't meet the requirement for the 10,000 or whatever,
7 that we could have some other way of rewarding those, but it
8 that's another story.

9 Another thing, we've learned the very hard way
10 with these kind of services is that unless they go through
11 the physician's office and involve the physician -- we said
12 in our access chapter that 92 percent or whatever had a
13 primary care provider and they were happy with that, and 80
14 percent of the people entering the system here are coming
15 through a primary care provider. Yet when we get to this
16 chapter we just leave all of that out, and that's what the
17 primary care providers do.

18 But my one last point is that, again what we've
19 learned is that unless you are going through that physician
20 and they're just receiving the phone call or the letter or
21 whatever and you have this content patient with their family
22 physician or their primary care provider, it's kind of like

1 water off a duck's back. They may bring it into you and
2 they may show it to you, but they're happy where they are,
3 they're happy with their doc, and that's what our own data
4 shows. So I think somehow we've got to bring that around,
5 that this is an all-new service and it's an add-on, it's a
6 help or whatever to what's already going on out there. And
7 noted it needs to be done a lot better.

8 MS. RAY: I just want to ask for some
9 clarification though. Do you think it's an issue with the
10 recruitment of patients, the fact that physicians initially
11 are not going to -- it's CMS being --

12 DR. STOWERS: I can tell you on the plans that we
13 did, and currently another one just tried it in our
14 practice, those that did not go through the physician that
15 were just starting to contact a group of patients out there
16 had almost no response. It was just very, very poor. I
17 have read stuff on that that -- do you agree, Jack?

18 DR. ROWE: Yes. Patients get bombarded with so
19 much stuff, many of them are not going to be able to
20 differentiate this. They're just going to think it's some
21 other vendor out after them and they're going to do what
22 their doctor recommends.

1 DR. STOWERS: But when we tell them, they're
2 right, this is something you need to do, you need to go get
3 your eyes checked once a year, then it happens. So we need
4 to identify those that aren't getting care and help them
5 come into the system and that kind of thing. Don't get me
6 wrong, there is a lot of help to be done out there. But if
7 it's done independently, if somebody just gets assigned a
8 big bunch of people and they're going to start making phone
9 calls and all of that and don't incorporate the current
10 health care system --

11 MR. HACKBARTH: But I think what that means is
12 that the smart organization will go through physicians and
13 try to involve them in the process, and the ones who don't
14 do that, if you're right, will just fail and won't succeed.
15 Presumably, to the extent that we have contestants, if you
16 will, who are experienced in the private sector, they're
17 well aware of that lesson already and they're not new to the
18 enterprise when they come to Medicare.

19 MS. ROSENBLATT: I think one of the things that
20 MedPAC could do to help with this is do some, analysis and
21 let me describe the analysis. Wellpoint has tried to
22 quantify the impact of disease management programs, and as

1 you so correctly state in the text there's a lot of that
2 quantification that's been done that it's not really
3 quantifying that. It's quantifying regression to the mean
4 and other things like that, and I think you made a good
5 point about that. So we have thought about using a control
6 group and have tried to use a control group to quantify it.

7 What has happened in an attempt to do that is,
8 first of all, when you look at a particular disease
9 category, like look at diabetes, look at diabetes within a
10 particular area, you're going to find that the range of
11 annual cost is very large. You might have some people with
12 diabetes spending \$100 and others spending \$100,000. So
13 then you get to, with that wide range, in order to prove
14 that there's a meaningful, statistically significant
15 difference between the control group and the group where
16 you're using disease management, you need a very population.

17 That's an analysis you could do, pick what's the
18 statistically significant difference and what does that mean
19 your population needs to be and I think you'd get some very
20 interesting results. Now particularly if you think about it
21 in connection with Mary's point about the rural areas, or
22 even, I think within a large metropolitan area you're going

1 to have problems.

2 DR. NELSON: I don't worry so much about these
3 entities when they incorporate their activities within the
4 existing care system. But there will be some areas where
5 they'll go in parallel as an alternative to the existing
6 care system. Some of those won't make their performance
7 risk targets and they're going to go belly about, and I
8 worry about disruption of care. I worry about them leaving
9 a whole bunch of beneficiaries confused. If the
10 beneficiaries are lucky, whoever was taking care of them
11 before will welcome them back, but there's going to be some
12 disruption.

13 At least that seems to me to be a realistic
14 possibility and I think that somewhere we ought to point out
15 that to the degree that this is set up as an alternative to
16 the existing care system it poses some risk, a disruption of
17 care if they don't make it.

18 MS. MILGATE: It doesn't require actual building
19 of networks, so people wouldn't change physicians for
20 example.

21 DR. NELSON: No, but I can see one of my patients
22 saying, I'm going to the diabetes disease management outfit

1 now and they'll be taking care of my multiple chronic
2 illnesses, and that may be quite an expectation for a nurse
3 to handle, for example. I know ideally they will reinforce
4 and support the existing delivery system. But if there's an
5 opportunity for entrepreneurs I'm not sure that they will
6 necessarily integrate with the existing system.

7 DR. MILLER: I guess what I don't follow in the
8 comment is, do you think that they're going to go and get
9 their care there, or just that they're going to be having
10 communication with -- when you said, I could see a patient
11 saying, I'm going to go to my diabetes management growth,
12 did you think that they were going there to get care?

13 DR. NELSON: I infer that they will be receiving
14 advice and some of that advice might be with respect to
15 their treatment protocols and the medications they're on and
16 so forth. Is that inaccurate?

17 DR. MILLER: No, I think that's correct. But did
18 you think that they were going to go to a different
19 physician, I guess that was --

20 MR. HACKBARTH: What I thought he was referring to
21 was educational groups. Not necessarily a different
22 physician but there are educational programs that may

1 involve going on to a different place.

2 DR. NELSON: And changing the treatment protocols,
3 putting the patient on a whole new regimen and then
4 disappearing. That's what I'm talking about.

5 MR. HACKBARTH: So even if it's not a physician
6 there is engagement, ongoing relationships that could be
7 disrupted I think is what Alan is saying.

8 DR. ROWE: For example, if they have a reason to
9 prefer one type of cholesterol-lowering drug than another,
10 they're going to be on the phone with the patient talking
11 with the patient every week about the medications and they
12 can say, you're on Lipitor but we think you should be on
13 Pravachol or vice versa. Something like that would be a way
14 in which they could influence the system, but the physician
15 still has to write the prescription. So the physician is
16 still in control with respect to that.

17 I don't feel the same concern Alan feels about
18 what might happen but I may not be envisioning the kind of
19 entrepreneur that may find a loophole.

20 MR. HACKBARTH: Let me just a comment to the
21 broader audience. What I think is going on here is we're
22 trying to envision what this is exactly and have questions

1 about how it will work and how it's connected to the
2 underlying delivery system and insurance program, and it's
3 not all that easy to imagine it. So I caution people
4 against interpreting all of the question as being negative
5 on the idea of disease management for the Medicare
6 population.

7 To the extent that we've discussed it in the past
8 I think the commissioners have generally been very positive
9 about the concept, but now we're trying to come to grips
10 with how it might be operationalized and it's complicated
11 and raises lots of challenging questions.

12 DR. WOLTER: My comment is kind of on that point
13 because I'm still not sure exactly what is possible in the
14 design of this, and that would affect a lot of how it
15 unfolds. For example, if 10 percent of beneficiaries have
16 to be in one region, that's either a highly dense urban area
17 or a very, very large geographic area.

18 MS. MILGATE: It's 10 percent overall have to be
19 in the program, but then it's 10,000 within a region.

20 DR. WOLTER: It says 10 percent here.

21 DR. REISCHAUER: They don't have to be enrolled.
22 They have to be in the geographic area.

1 DR. WOLTER: It says will be offered in geographic
2 areas where, in aggregate, at least 10 percent of all of
3 Medicare beneficiaries live.

4 DR. REISCHAUER: But the capacity of the
5 contractor that wins might not be such as to be able to
6 serve all 10,000 if they --

7 DR. WOLTER: I'm getting to that point. But is
8 the region envisioned to be in an area where at least 10
9 percent of all of Medicare beneficiaries live?

10 MS. MILGATE: All of the regions together have to
11 add up to at least 10 percent.

12 DR. WOLTER: Then once the regions are defined, is
13 it possible that the law as it's written would allow more
14 than one contractor to be chosen to do disease management?

15 DR. SOKOLOVSKY: It's not really clear except for
16 the fact that the contractor will bid for a threshold
17 condition but then be responsible for all the other
18 conditions. The idea of having two contractors in one
19 region using a different threshold condition but contacting
20 patients, perhaps the same patients and trying to manage
21 them, one for their diabetes and one for CHF I think would
22 leave it --

1 DR. WOLTER: That could complicate it. The reason
2 I ask is that that would allow the potential that rural
3 areas could have somebody involved. It could allow the
4 potential that group practices could manage a smaller number
5 of patients but still be involved in the program, and it
6 would allow it to compare how group practices do compared to
7 private vendors, this whole issue of how do you intersect
8 with the providers. But the devil is in all those details
9 in terms of what would be possible.

10 My last comment is just that we were one of 12 or
11 14 organizations chosen for a group practice demo by CMS and
12 in many ways what we're working through with CMS on that
13 demo is very similar to these issues, because we're trying
14 to look at how do patients get chosen, how do we compare
15 them to a sample group, how do we look at the costs that
16 would be in the group we manage versus that group, how does
17 the incentive get created if we do something more
18 efficiently than the sample group, and then what measures
19 are going to be used to look at the quality on the quality
20 side?

21 I will tell you, this has been very difficult,
22 just this little small project with 12 -- this is to your

1 point of being unworkable I think, Bob. It's been very,
2 very hard to get to those details. I think CMS has had to
3 struggle with it.

4 Also there's another issue that comes up that
5 will, I think, be in play here and that's HIPAA and how
6 patients are identified and screened and who has access to
7 patient-identifiable records, and when happens and how do we
8 deal with the regulatory side. There really are a lot of
9 issues here that I'm not quite sure what our role is, but it
10 has a lot of promise but it is hard to imagine some of these
11 details.

12 DR. NEWHOUSE: Like Alice I want to make a comment
13 about the evaluation, but it really is triggered by Jack and
14 to some degree what Nick said. Suppose that we have some
15 good guys out there who are doing a good job in disease
16 management and they're not getting paid for it because
17 they're not a covered service, but it is in fact effective.
18 And that these are the people that come in and say, okay,
19 pay us, we'll do it. And CMS looks at them and says, yes,
20 it seems like you're doing a good job, we'll put you in the
21 demonstration.

22 My problem is that these people won't show,

1 presumptively, any reduction in their cost because they're
2 already getting it. Then if one says, all right, so
3 evaluate them against the bad guys, then you won't know if
4 it's the disease management or the fact that these are just
5 better doctors or better something or others.

6 So I'm not sure, given this process of selecting
7 people, how it is evaluated in a way that sheds any light on
8 the effectiveness of disease management.

9 DR. REISCHAUER: But you say this practice is
10 doing the right thing now and has these ancillary services
11 and all that, and that is presumably the difference between
12 another group that doesn't have it.

13 DR. NEWHOUSE: But maybe it isn't. Maybe these
14 are just better -- maybe these guys are using better --
15 there's better medication management here anyway because
16 these are the cream of the crop of the doctors that are
17 doing -- they're better cardiologists than the other guys.

18 DR. REISCHAUER: But you won't necessarily know
19 that if a group that hasn't been doing the good things pops
20 up and says, I will do the good things. They might be
21 better doctors as well.

22 DR. NEWHOUSE: Yes, but I still am stuck I think

1 in evaluating. I don't know what to make of it.

2 MR. SMITH: I'll try to be quick. Actually my
3 comment was the flip side of Joe's. But let me go back and
4 make sure I understand your answer to Carol's original
5 question. CMS is going to hand the contractor 10,000 lives.

6 MS. RAY: No, it's 10,000 controls. The law
7 doesn't specify how many program participants. It specifies
8 that there's 10,000 --

9 DR. REISCHAUER: It's going to hand them a
10 geographic area in which there are 10,000 potential
11 participants.

12 MR. SMITH: At least 20,000.

13 MS. RAY: Controls, so there is even more.

14 MR. SMITH: Joe asked the other half of the
15 question I was going to ask. If Ray and Jack are right, and
16 it seems to me they are, that there are good general
17 practice docs out there doing this stuff, and their patients
18 say, I don't need this, when CMS calls, they end up perhaps
19 in the control growth. They're getting this good stuff from
20 good docs who aren't getting paid for it. I think Joe is
21 right, if they have been getting this good service they are
22 likely to show less improvement than folks who haven't been.

1 Somehow it seems to me the design issues here are really
2 screwy. I'm back to Bob's unworkable comment. I had
3 somewhat the same reaction as I read it.

4 Let's assume we have a thoughtful medical consumer
5 who is being well treated and getting this sort of
6 coordination and management and has got a nurse or a
7 physician's assistant that she feels comfortable with, why
8 on earth would she say yes when CMS calls?

9 DR. NELSON: To get home testing equipment, all
10 kinds of stuff.

11 DR. REISCHAUER: But presumably we're in this
12 because there aren't very many people in that fortunate
13 circumstance. SO the impact might be biased downward but
14 it's not going to be obliterated by that fact.

15 MR. SMITH: It makes the design issues very
16 complex.

17 DR. ROWE: I think I'm on the wrong committee.

18 DR. REISCHAUER: Finally, a consensus has been
19 reached.

20 [Laughter.]

21 DR. ROWE: I think I'm finding myself on a study
22 design committee, and that's not the committee I'm supposed

1 to be on. I think there are some issues here, but let's not
2 talk ourselves out of a good thing. There's no way this
3 could be a bad thing for Medicare beneficiaries. They need
4 it. There are a lot that aren't getting it, and I think we
5 have to focus on that. We do have to understand that this
6 is not a substitution but it has to be a supplement for the
7 existing care system in such a way that we pay a fair price
8 for the right services and we target the beneficiaries.
9 We're raising some questions but I don't think we can answer
10 them now.

11 DR. REISCHAUER: And the presentation made it
12 clear that CMS has a lot of flexibility in the way it goes
13 forward on this. So we shouldn't raise all the devils until
14 they produce the detail.

15 DR. MILLER: The only thing I would say about all
16 those last sets of comments, I think this is some of the
17 places where we can make a contribution. So that rather
18 than waiting to see the details on the evaluation, for
19 example. we might raise some of these issues. I'm sure
20 people at CMS are thinking about this too and can help
21 provide some guidance. Then as we think through some of the
22 other implementation issues we can talk about that. I think

1 these are the kinds of questions we can actually help with.

2 MR. HACKBARTH: But I think Jack's comment is a
3 good one to leave on. Again, I don't think that we are
4 negative about this same idea. In fact to the extent that I
5 have concerns about the evaluation I'd be worried that the
6 results would be biased downward as a result of some of
7 these issues.

8 Okay, good work. More on this later. Let's move
9 ahead to what's next, and that's IT, I think.

10 DR. WORZALA: Good afternoon. We are here to
11 share with you what we've learned about information
12 technology and health care. Since this is rather a new
13 topic for the Commission we do see this primarily as an
14 informational piece. We've been gathering information and
15 talking with people in the field since the summer. We also
16 had a contractor do both a lit review and a series of
17 interviews with hospitals about their investments in IT. If
18 you want a copy of either of those contractor reports just
19 let us know. They weren't in your briefing materials.

20 IT in health care has been receiving considerable
21 attention recently, and especially clinical IT that has a
22 potential to improve quality. Policy questions that we

1 thought were relevant for MedPAC particularly at the
2 beginning are what kinds of investments have hospitals and
3 physicians made in IT and in what kind of IT? What are the
4 barriers and drivers for further diffusion of IT systems?
5 And what steps might be taken to further encourage diffusion
6 of IT?

7 Just like this table, IT is multifaceted and
8 complex. The applications are evolving day to day and
9 they're very specific to installation in a specific
10 organization. For example, an order entry system which
11 allows a physician or a nurse to use electronic
12 communication to ask for an ancillary service may be solely
13 for medications or prescriptions, or it could also include
14 lab tests, radiology, consults, referrals, other kinds of
15 orders.

16 Similarly, an electronic health record can be
17 essentially a digital version of a medical chart or it could
18 be a tool that allows real-time access to patient
19 information that might provide clinical decision support
20 services like a prescribing alert, or it could also
21 incorporate order entry functions. So when you talk about
22 IT it's important to know exactly what you're talking about

1 because the installation and the outcome may vary depending
2 on what specifically is being done.

3 So to help structure our discussion of IT we
4 created a typology that included administrative IT systems
5 such as billing and payroll, clinical systems, things like
6 CPOE, PACS and/or digital imaging, and the electronic health
7 record. There all also infrastructure that must be put into
8 place to support IT and that includes the hardware, the
9 networks, and the security system that supports other
10 functions.

11 In your briefing papers we did go through these
12 technologies in considerable detail and looked at both the
13 hospital and physician settings, but in the interest of time
14 we won't do that here. We just want to focus on some
15 general conclusions from our review.

16 The first of those is that the administrative
17 systems are more widely diffused than any of the others.
18 However, most of the policy attention has really been
19 focused on clinical systems, and particularly CPOE and
20 electronic health records. It's important when you talk
21 about IT to remember the infrastructure costs which are
22 fairly higher for many of the clinical systems. For example,

1 if you decide to introduce CPOE into your hospital, do you
2 also need to make that a wireless system and what would that
3 mean? Then if you start holding or transferring clinical
4 information electronically via your electronic health record
5 what kind of security protocols do you need to put in place
6 to protect that information?

7 Finally, an investment in IT is not just
8 purchasing the technology itself. There are many other
9 factors. There are maintenance and support costs. There's
10 initial and ongoing training. There are changes to work
11 processes for almost everyone in the organization. And
12 considerable effort needs to be put in to gain the
13 acceptance of providers and to promote widespread usage of
14 the technology.

15 So that was talking about IT within an
16 organization. But in addition to that, many people have
17 talked about the benefits that can be gained from
18 facilitating communication among providers. The term
19 interoperability is often used to describe the ability to
20 transfer electronic clinical data from one provider to
21 another. There are very few providers now who share
22 information electronically. Instead much of this is done

1 through the mail, faxes, phones, and of course, patients
2 carrying things back and forth from one provider to another.

3 However, faster and electronic communication among
4 providers does have the potential to enhance coordination of
5 care, lead to better decisionmaking based on greater
6 information, and potentially result in savings on repeat
7 tests and procedures. Achieving this level of communication
8 requires development of standards for both the content and
9 the messaging of information. This really forms the base of
10 what people refer to as an information infrastructure.

11 Currently, there is very little of this going on
12 in the United States. There are several cities that have
13 linked the emergency departments of local hospitals, and a
14 couple of places are developing data repositories that link
15 local providers, but they are the exception rather than the
16 rule. As Karen will discuss, building an information
17 infrastructure is something that is a priority of the
18 Secretary.

19 Given the recent attention that has been given to
20 clinical IT I thought we'd spend a bit of time on that and
21 talk about the diffusion estimates. A very large caveat
22 here. There really are no nationally representative surveys

1 of IT use among hospitals and physicians. One exception
2 would be the community tracking survey and the physician
3 surveys that have been done by the Center for Studying
4 Health System Change, but that's a little bit older data.
5 The surveys that do exist generally suffer from selection
6 bias. For example, many of these surveys are conducted on
7 the Internet so you would think that they probably are
8 biased towards those who are more advanced users of IT than
9 the average.

10 Nonetheless, current levels of diffusion are
11 estimated to be low for CPOE. There seems to be a
12 consensus, 5 or 6 percent of hospitals having operational
13 systems in place now. A lot of people think this may be a
14 conservative estimate, depending on the definition of what
15 you mean by an operational system in place now.
16 Nevertheless, those are the numbers that are out there.

17 For electronic health records, surveys suggest
18 that 20 to 25 percent of physicians have them, and EHRs do
19 seem to have diffused more widely among physicians than
20 among hospitals. This may be because physicians do have a
21 greater need to follow their patients over time and across
22 settings than do hospitals.

1 For both hospitals and physicians, the size of the
2 institution does seem to be correlated with the use of IT,
3 so larger hospitals and larger physician groups are more
4 likely to be advanced users of IT. In addition, closed
5 systems such as the VA or a staff model HMO is also more
6 likely to have IT systems implemented.

7 Despite the low current diffusion, in the past few
8 months surveys have suggested a remarkable increase in
9 providers' interest in IT. Hospitals have been increasing
10 their capital budgets and IT has really become a priority
11 within the capital spending of many hospitals. Physicians
12 also expressing an increased interest in having electronic
13 health records. This may be fueled in part by some
14 alternative ways to go about it, so leasing options and
15 subscription options whereby an IT company actually
16 maintains the software and stores the data and the physician
17 would pay a monthly fee to use it.

18 So when you think about investing in IT one of the
19 first questions is, will pay all off? Our analysis of
20 what's out there about the financial return to investment in
21 IT is that the administrative systems generally have paid
22 off. Financial returns for the clinical applications

1 however are really quite uncertain. This is partly because
2 it's hard to quantify the cost and the benefits for many of
3 these systems because it involves so much more than just the
4 technology.

5 So if you take the example of a physician
6 investing in electronic health record, they do have the cost
7 of the hardware and the software and training, and then they
8 have to re-work the processes in their office. But there
9 are some physicians saying that an electronic health record
10 actually increases their workload because they need to enter
11 the information themselves. They also feel that it might
12 interfere with the personal interaction between the
13 physician and the patient. So those costs can be hard to
14 measure.

15 Then the benefits could be increased documentation
16 of care, fewer rejected claims, increased efficiency of
17 keeping medical record which could lead to lower admin
18 costs. You may be able to take a room devoted to paper
19 record storage and turn it into an exam room, leading to
20 increased revenues. And you may be able to save on your
21 malpractice costs as you have better care documentation.
22 And of course, you may have improved quality of care. So

1 quantifying those things, measuring them, making an ROI is
2 fairly difficult.

3 In the hospitals that were interviewed as part of
4 this project, they really did not assess the return on
5 investment, particularly when they were talking about CPOE
6 or EHRs. They were really focused on the quality and safety
7 improvement as the main justification for investment.

8 There are, however, some clinical technologies
9 such as PACS, which is a radiology system for storing images
10 on the computer rather than on film, there is a positive
11 return generally and it has been realized among some
12 hospitals, particularly the large hospitals and the large
13 radiology practices that do a lot of imaging. This positive
14 return along with the more narrow focus of the application
15 and the clear benefit to the physicians do seem to be why
16 PACS is diffusing more rapidly than some of the other
17 clinical IT systems.

18 So when we think about the financial return to the
19 investment there is one other issue which is that the
20 financial return may not accrue to the organization that
21 makes the investment. So if a hospital puts in a CPOE
22 system and prevents an adverse drug event that might have

1 required an additional hospitalization, it's not the
2 hospital that will see the financial gain. It's the insurer
3 that sees the financial gain. I think we've talked about
4 that previously. And of course, the patient benefits in
5 that example from the improved care.

6 So if the financial return is uncertain, what is
7 driving investment in IT, at least to the extent that see
8 it? It does seem like the promise of quality and safety
9 gains have been the major reason to invest in clinical IT,
10 and particularly CPOE and EHRs. This has been bolstered by
11 the attention to IT systems from the Leapfrog Group, IOM and
12 others. In addition, the development of data standards and
13 regulations have been cited as prompting investments. So
14 for example, many hospitals are currently enhancing their IT
15 security systems to comply with HIPAA regulations.

16 Similarly, in February the FDA put out a final
17 rule requiring drug manufacturers to label their products
18 with bar codes. A lot of people think that this will
19 encourage hospital investment in bar coding technology to
20 read those bar codes. A cautionary note there, people feel
21 that widespread adoption by hospitals will depend on the
22 extent to which bar coding happens at the dose level as

1 opposed to being on packaging of a larger unit of drugs.

2 So other drivers of IT investment include
3 continuing evolution of the technology leading to a better
4 product at a lower price, and competition among providers
5 with the desire to be seen as cutting edge and
6 technologically advanced.

7 Those are some of the drivers. What are the
8 barriers? Cost is certain considered a major barrier to
9 investment in IT. These are expensive systems. But we
10 found that this is by no means the only barrier to
11 investment. In our interviews with hospitals and in the
12 trade press the nascent technology market was seen as a
13 significant barriers. Products are evolving and vendors may
14 not be able to deliver the level of support that is needed.
15 In addition, the market is perceived to be unstable with
16 individual products being obsolete or no longer supported
17 and vendors buying each other up.

18 In addition, providers can't be certain that an
19 investment will actually become operational. I think you've
20 all heard about some of the high-profile failures that have
21 occurred.

22 Implementing an IT application is difficult and

1 risky because it is a very complex system and you need to
2 integrate the new system into your existing system, which
3 isn't always easy. And you're going to be putting in
4 significant work process changes to use this new IT. And if
5 you don't, it seems like the benefits of the IT don't
6 actually come about.

7 Finally, a lot of people talk about the
8 uncertainty of acceptance by the users of IT, by physicians,
9 nurses, and other hospital staff. And finally, some have
10 noted the lack of specific reimbursement for IT as a barrier
11 to adoption. Just pause again to note that the strength of
12 the barriers does seem to change by setting. Larger
13 hospitals and systems do seem to be better able to overcome
14 them.

15 I'm going to turn it over to Karen now.

16 MS. MILGATE: In this part of the presentation
17 we'll discuss current public and private sector efforts to
18 encourage further diffusion, a little bit about whether a
19 need exists for further action for speeding up the adoption
20 of technology, and what other public and private efforts
21 might be possible to make this happen.

22 Current public and private efforts are many. I

1 would just note that during the process of doing this
2 analysis, Chantal and I felt like we were inundated daily
3 with new efforts that were out there, both privately and
4 publicly, for ways to try to further encourage diffusion of
5 health care IT.

6 Basically the efforts were at two levels. One was
7 the individual provider level; how can we make it more
8 possible for individual providers to adopt health IT? And
9 the other level was really more of the interoperability
10 level; the word that we learned how to pronounce that at
11 first we did not know how to pronounce. That is just the
12 basic concept of information flowing across providers. So I
13 think that is an important distinction.

14 The first bullet on this slide is about standards
15 adoption. What I've done here really is give an example
16 under each of these areas of a public effort and a private
17 effort. Interestingly, on this one there's a huge overlap
18 between the efforts, which was by design, at least from the
19 public sector folks.

20 Under standards adoption, the purpose here is more
21 the information flow across providers. Here the concept
22 that has made it easier for me to understand what is this is

1 a railroad car where you have standards to determine what
2 the tracks are like and what the cars are made of, and you
3 also need some standards to determine how you're going to
4 talk about what's in those boxcars. So they do both. They
5 do definitions of the lab values that will go in and out of
6 the lab, but also the type of messaging that will occur
7 within the information system itself.

8 HHS has put quite a bit of effort to developing
9 the National Health Information Infrastructure Initiative.
10 A couple of examples of what they've done there is working
11 through their consolidated health informatics program, tried
12 to work on adoption of specific standards for federal
13 government health programs. So for example, they've adopted
14 standards for labs, prescription drugs, imaging, and a
15 couple of others for use for all federal government
16 agencies. So you have the VA, the DOD, for example using
17 the same kind of messaging standards.

18 They've also put some efforts forth to try to
19 define some functionalities for the electronic health
20 record. So when institutions are putting in place
21 electronic health records they're really talking about the
22 same things and it's easier for them to define what types of

1 functionalities they want within their own organization.

2 Private sector efforts, and one of the larger
3 groups that's being used both by the public and the private
4 sector is Health Level 7 group. I don't have a huge
5 familiarity with them, but their basic purpose is to develop
6 standards. So some of these programs have been given to
7 Health Level 7 standards. For example, right now they have
8 out for comment the functions that they've defined through a
9 consensus process for electronic health record. The
10 standards that were adopted by the Secretary for labs and
11 prescriptions were adopted by private sector organizations.
12 So you have really very much of a public-private effort
13 there.

14 The other thing that both public and private
15 sector organizations have done is try to fund research on
16 the value of health IT. AHRQ has done a lot of research on
17 this, but they put out an RFP recently to spend \$40 million
18 in 2004 to try to get a better handle on the value, both in
19 terms of quality payoff as well as cost payoff, or savings
20 payoff for putting in place health information technology.

21 Another example is the Center for Information
22 Technology Leadership. I don't know if the actual report is

1 out now or not, but they are working on a report showing
2 significant savings if health information technology were
3 fully implemented and used throughout the nation.

4 Other efforts include just the basic encouraging
5 the use of health information technology. The Medicare
6 Modernization Act, for example, had some provisions to
7 encourage the use of e-prescribing. Again, it was to try to
8 adopt standards and then require those who do electronic
9 prescribing to use the standards. They also include some
10 matching grants for physicians to actually put in place
11 software or hardware, handheld devices to electronically
12 prescribe.

13 The MMA also established a commission on systemic
14 interoperability to try to strategize how to achieve that,
15 prioritize some of the steps to take to get there. Then
16 also within the physician pay-for-performance demo that was
17 included in the Medicare Modernization Act they included the
18 use of health IT as one of the measures of quality that
19 physicians could use to actually qualify for the bonuses
20 that are a part of that demonstration project.

21 In the private sector, Chantal talked to you
22 before about the Leapfrog group. Clearly they have had a

1 fairly significant impact on the awareness of CPOE. Some
2 recent research shows it hasn't necessarily paid off in
3 terms of actual implementation as much as they would like,
4 but they certainly have raised the awareness of benefits of
5 CPOE. Then the types of quality incentives that we talked
6 about in our June report last year, there are certainly some
7 private sector plans and purchasers putting in place
8 incentives for use of IT.

9 The American Academy of Family Physicians had an
10 interesting model where they have worked with some vendors
11 to try to get less expensive deals, so to speak. I don't
12 know if that's the best way to talk about it, but for their
13 members for those smaller practices that are out there and
14 that might want to adopt electronic health records. As
15 Chantal mentioned, there are some regional initiatives where
16 you have providers in actual specific communities getting
17 together and putting some monies together to create secure
18 platforms, to share information.

19 There also some efforts to mandate various health
20 IT tools. The FDA bar code rule that Chantal alluded to is
21 one of those. It doesn't actually mandate that hospitals
22 use them, but by mandating that pharmaceutical companies put

1 bar codes on their products, it makes it more likely that
2 hospitals might use them. There are some payers that are
3 also requiring electronic billing, so that pushes the use of
4 health IT as well.

5 So to the question of whether there is a need for
6 further action, one of the questions is whether IT does
7 actually improve quality and safety. It seems odd to ask
8 that question because it really does make intuitive sense
9 that clearly it would. Health care rests on having the
10 right information at the right time for the right patient.
11 Computers can sometimes make much more complicated
12 calculations than the human brain, such as looking at drug
13 interactions and applying specific protocols to certain
14 specific people. It also makes it easier for information to
15 move across settings much more than a paper-based system
16 would.

17 There are some studies that show the potential for
18 health information technology, particularly computerized
19 physician order entry and bar coding, to reduce medication
20 errors. In some cases though, some of the literature does
21 show that even when implemented, sometimes it's not used.
22 Now that may have less to do with the actual technology, as

1 to how it was implemented, how much commitment the
2 organization had to it, but I think it shows the potential
3 for failure if it's not done right.

4 The other issue that we found in our analysis of
5 the literature on whether IT actually improved quality and
6 safety was how generalizable some of those studies were.
7 The best studies were really done in a few institutions that
8 had shown strong commitment and leadership to putting these
9 systems in place. So one of the questions that some have
10 raised, actually including AHRQ by doing more research in
11 this area, is how is it possible to gather more data on how
12 IT actually does improve quality and safety.

13 While many are concerned that the current pace of
14 diffusion is too slow, surveys do indicate, as the Chantal
15 noted, a growing interest in the adoption of health IT.
16 There's a tremendous increase, at least voiced in one
17 survey, on more capital investment and much of the
18 commitment in those investments seemed to be on putting in
19 place health information technology.

20 In addition, because of some of the cautions we
21 heard about the current level -- how good the product is
22 currently, there were some that wondered if the current pace

1 may be necessary to make sure that in the long run that
2 health IT was put in place in an effective manner.
3 Implementing health care IT in both hospitals and physician
4 practices, we heard over and over again about how complex it
5 was and how important it was to have strong commitment
6 because of the long-term investment of time and resources it
7 took to put these things in place appropriately. There may
8 need to be time to build on lessons learned, both in terms
9 of developing the appropriate products as well as learning
10 from best practices of how to best implement these systems.

11 So what type of action could strengthen the
12 drivers? The drivers that we heard about primarily were
13 external and internal expectations regarding quality and
14 safety. So there's a variety of different ways those
15 drivers could be reinforced. One is something we've talked
16 about, incentives to improve quality. We heard that even an
17 indirect approach where you would reward those who actually
18 put in place better practice guidelines could encourage
19 providers to put these types of systems in place. It
20 wouldn't necessarily one-for-one pay for the investment, but
21 if there was a higher expectation that this would be the
22 output of the system there would be more encouragement to

1 actually put these systems in place.

2 Another way to do it might be through public
3 reporting. Again, an incentive to improve quality that
4 might put more emphasis on the need for putting in place
5 these types of systems if they do improve quality. The
6 other, which I believe is happening to some extent but which
7 could be enhanced is research to show the value, both in
8 terms of quality and cost savings.

9 What could lower the barriers? Clearly, as
10 Chantal talked about, there are several different types of
11 barriers. It is somewhat difficult to consider how one of
12 the main barriers, the complexity of implementation, could
13 actually be lowered through explicit public or private
14 action, but perhaps there are ways to document some of the
15 best practices and the research, the implementation issues
16 so we could get a better handle on how to actually implement
17 IT and it would make it easier for systems to put it in
18 place.

19 There's a possible of, in a variety of different
20 ways, infusing more dollars into the system. But what would
21 be important here is to recognize that not all providers
22 need these dollars as much as others, so it would have to be

1 targeted. Those hospitals, for example, that are larger or
2 in systems where there's more ability to share resources may
3 not need the dollars as much as some others.

4 One concern here is whether it might important to
5 have more experience, again, with the products themselves
6 and how to put them in place before you would infuse too
7 many dollars. Clearly, the efforts to adopt standards will
8 increase the ability for information to flow between
9 providers and potentially increase confidence in the
10 individual provider institution that the system they buy
11 today will be useful for tomorrow, so there won't need to be
12 a new infusion of investment because standards might change.

13
14 So these are some efforts that are already
15 underway in some public or private initiative but could be
16 expanded further. These are not as well-developed as the
17 ones I mentioned at first. First, payment policy could be
18 used to encourage further diffusion. Really there's two
19 ways this could be used. One I mentioned in terms of
20 incentives for quality. To the extent the output of quality
21 is valued, and one way to get there is through better use of
22 IT, that might be an incentive for further diffusion. In

1 addition, some have talked about using IT, and I've given
2 some examples, of one measure of whether someone is doing a
3 quality job or not.

4 Others have suggested it might be useful to create
5 a loan fund. One proposal is for matching grants with
6 states and there would be some regional loan funds, and
7 those regional loan funds would then decide at their own
8 level, their regional level, who would get loans for what.
9 Also some have suggested grants, and clearly the MMA put out
10 some level of grants to physicians to do e-prescribing.

11 One other way to do it would be to mandate use of
12 IT. Basically any purchaser could put this in place. The
13 COPs, for example, could be used to require CPOE. Or it
14 might be possible for conditions of participation to require
15 certain functions be met, such as we want physicians to use
16 clinical practice guidelines. Again, that could be in
17 indirect incentive to put in place health IT.

18 One issue that's been raised by some are some of
19 the legal barriers. The primary issue that is talked about
20 is somehow creating a safe harbor from anti-kickback
21 statute. Hospitals, for example, have told us they'd like
22 to in some way, shape or form give physicians incentives to

1 use health IT, or even buy the hardware for them, and they
2 have been afraid of the anti-kickback statute. I won't say
3 that we've done a full analysis of how serious a barrier
4 that is, but that's certainly mentioned quite often.

5 Another that isn't on here that I think is
6 important the more I've heard about the community level
7 initiatives is the possibility of sharing resources at the
8 community level. That is a model that is currently in
9 several different regions that I think poses a really
10 practical and interesting model for us to think about.

11 This is the end of the formal presentation but
12 we'd like your feedback on the draft chapter, the
13 appropriate balance, and the manner in which we discuss the
14 issues and any issues that we may have overlooked in your
15 current draft.

16 MS. ROSENBLATT: I was delighted to see this
17 chapter. I think that the draft was well done. I'd liked
18 to ask that you think about adding something. When you talk
19 about public and private efforts, health plans are doing
20 stuff. Wellpoint recently, for example, committed \$30
21 million and received a lot of press for making computers and
22 e-prescribing available. It's an initiative called I-Doc.

1 If you want information on that Woody Myers, who is an ex-
2 MedPAC commissioner could give you a lot of information
3 about it.

4 We offered that choice, because I think your point
5 is well made, that there are physicians in different states
6 of acceptance of technology, which we recognize, so some of
7 the small practices need the basic PC, so we made that
8 available. Some of the larger practices already have that.
9 They're ready to move on the e-prescribing and things like
10 that. So that was the other part. So that we were
11 recognizing that one size does not fit all, and I think
12 that's a good point that you made.

13 MS. RAPHAEL: The chapter is titled information
14 technology and health care, but you only talk about
15 hospitals and physicians. I was wondering if there was a
16 reason --

17 The other point I wanted to make besides that
18 point is something else that I'm very interested in, is to
19 what extent do we know anything about the ability of IT to
20 improve productivity? I know you focus on quality and
21 safety and the ROI there, but I think that's a very area for
22 us. We have some experience with e-learning and tele-health

1 and a few things, but I would say they're fairly stage. So
2 I would be interested in what we could glean about that.

3 DR. REISCHAUER: On that point, do we have any
4 information in our hospital database on how far along the
5 various hospitals are with respect to acceptance of the
6 administrative clinical whatever, because you could relate
7 margins to that if we had it.

8 DR. WORZALA: It's difficult. There's a data
9 source out there that's at the hospital level but we're not
10 totally sure about the validity of the data. But it's
11 something to look at. I think we were trying with the
12 return on investment to really get at this issue of, is this
13 improving efficiency enough to make up the investment, and
14 it's just really hard. People have got systematically
15 evaluated at that level.

16 DR. ROWE: Two points. In your barriers to
17 investment in IT, while it's implicit in part, I think it's
18 worth being explicit about the limitation and the access to
19 capital in not-for-profit hospitals. In the for-profit
20 sector there is access to the markets, but it's more limited
21 for the not-for-profits and that's a problem.

22 The second thing is, at the end of the chapter you

1 talk about what could be done and what different proposals
2 have been made. One of the proposals in this regard, you
3 refer to the IOM but you don't refer to -- the academic
4 health center report of the IOM had a recommendation that I
5 think may have actually been discussed at the MedPAC
6 retreat, that the proportion of the GME payments that -- IME
7 payments, which is part of the GME payment, which was
8 identified as beyond the empirically supported level and
9 therefore identified as "subsidy" might potentially be used
10 to help institutions invest in IT to better prepare them to
11 take care of future Medicare beneficiaries. And that IOM
12 recommendation would seem, while not popular in all quarters
13 I'm told, might seem to be relevant to this chapter. It is
14 in a formal IOM report so you might reference that if you
15 think it's germane.

16 DR. STOWERS: I thought it was a great chapter,
17 good summary. There was a couple little things. I think it
18 might help all of us, having just been on a committee
19 evaluating a moderate size hospital system and a moderate
20 size clinic system, of how much money we're really talking
21 about. The hospital was in the tens of millions and the
22 clinic was in the millions, to make this step. So those

1 that have made this step, I really pat them on the back
2 because you're talking a lot of money here.

3 A second thing, just looking at who ought to get
4 the loans and grants, we also saw considerable, I guess the
5 economists call it economy of scale of setting up a practice
6 where you put the system in and then to add on more doctors
7 into that system really wasn't that costly. So this is one
8 area where size makes a lot of difference in the cost per
9 physician to get them into the system. So kind of putting a
10 benchmark on that somehow I think would help us in that need
11 area.

12 The last thing I want to get to is what Carol
13 said. What's more frustrating than anything is to get a
14 call from a home health agency or from the nursing home
15 where we're trying to provide what we've been talking about
16 all afternoon about chronic care management and all of that,
17 nursing home charts at the nursing home and they're trying
18 to tell me what medicines they're on. I really think this
19 is a great chance for MedPAC to say that the end goal here
20 is that we're going to bring together all providers. If
21 we're really ever going to manage this chronic care or
22 chronic disease thing we're going to have to have access to

1 not just the hospitals and the doctors offices.

2 But anyway, great chapter. I thought it was good.

3 DR. NEWHOUSE: That's a good follow-on to me.

4 First of all, I'm very glad we took this topic on. I think
5 it's very important.

6 I've been engaged in a small project with some
7 others on doing what we called an IT biopsy of Boston and
8 Denver. We picked those two markets because we didn't have
9 much money to do any more and because we thought Boston was
10 kind of in the vanguard and Denver was probably a fairly
11 typical large market in this regard.

12 What we found is what goes along with what Carol
13 and Ray are saying. So we looked at the extent of IT
14 diffusion across various sites, and not surprisingly it was
15 actually greatest for pharmacies, and hospitals trailed
16 along and by the time you got to M.D. offices and nursing
17 homes and SNFs and home health agencies and dentist's
18 offices and ASCs it went down to very small numbers. I
19 think we'll be probably coming out with that fairly soon.

20 The other thing I wanted to say, maybe I should
21 take off my academic hat or turn in my union card, but I'm
22 concerned about the role for federal research here. My

1 concern is actually under the procurement laws, or
2 alternatively, peer-reviewed grant mechanisms, the time
3 delays are long and by the time money gets out the door and
4 the research is done, technology has probably changed. And
5 there is fairly strong incentives, obviously, for the
6 vendors to try to demonstrate value when they're trying to
7 market their products.

8 So I'm a little skeptical of, beyond what the feds
9 are doing now, which I think is very good, how much more
10 they should be doing of the kinds of things that we say at
11 one point in the draft -- I was looking at where we refer to
12 catalogs of products and research on value and so forth. I
13 thought there was some reason to be skeptical.

14 DR. WOLTER: I just wanted to add on to Carol's
15 comment about the efficiency side. I think that it is hard
16 and complex, but Mary and I heard Brent James 10 days or so
17 ago at a rural health workshop she's chairing, talk about
18 InterMountain Healthcare's goals, and they have a specific
19 target of 10 percent efficiency improvement related to their
20 IT installation, and they think that's conservative.
21 They've done a lot of work in this area. Mayo, Jacksonville
22 and Geisinger have also done some analytic work on how they

1 look at the efficiency returns from their investment.

2 MR. HACKBARTH: Nick, could I just ask you about
3 those targets? That's for what kind of IT?

4 DR. WOLTER: Clinical.

5 MR. HACKBARTH: Including medical records?

6 DR. WOLTER: Yes, electronic medical record,
7 alerts, medication error improvement, et cetera.

8 Then also on the grant and loan and finding ways
9 to fund, I'm wondering if it would be worth linking our
10 conversation about that to quality outcomes. And if there
11 were to be federal funding of some kind, whether it's
12 targeted or however it was developed, would it be worth
13 suggesting that that funding be targeted not just to the
14 installation of the systems but to some kind of reporting of
15 outcomes or some value that can be demonstrated? Is that
16 something we should be discussing?

17 MR. MULLER: Let me also add my compliments to you
18 on the chapter. One of the themes you stressed is the one
19 you learned how to pronounce on interoperability. One of
20 the questions I have is how important this is going to be.
21 Obviously at one level one thinks one should have,
22 especially with electronic communication, the ability to

1 share information across all sites. Joe just referenced how
2 some areas like hospitals and pharmacies are further along
3 than SNFs and other settings. But we also know that inside
4 even places like hospitals, bringing together various
5 systems such as radiology, labs, physician offices and so
6 forth is very difficult because by and large you get a lot
7 of robustness in each one of those applications and it's
8 very hard to get people to say, I'll water down the
9 robustness to the lowest common denominator so they can
10 communicate to each other.

11 Now obviously that problem of how to share
12 information in medical practice has been with us for many
13 years before computers and hopefully computers make it more
14 easy to share that information. But that being said, it's
15 still difficult at times for these systems to speak to each
16 other. So one of the questions that I have therefore is,
17 are there advances going on in the way it happened in web-
18 based technology and broadband in recent years that may make
19 the interoperability possibilities greater? And is that
20 likely to occur? Because I really don't see there being
21 common -- I don't see there being systems that speak to each
22 other that easily in terms of common denominators as we know

1 right now. Gastroenterologists use different categories,
2 and cardiologists use different categories, and
3 radiologists. You can go on and on; a hundred examples like
4 that, 1,000 examples like that.

5 So how does one really get the information that we
6 want on the patient populations going back -- whether it's
7 questions over time like our previous conversations about
8 chronic disease management, questions across different
9 providers going from Grand Forks to Fargo and so forth, just
10 one part of town to another between a pharmacy and a
11 hospital, nursing home and so forth?

12 So if you could be thinking a little bit along the
13 lines of, are there advances coming forth in the broader
14 world of technology that makes a more possible for
15 interoperability to move forward? Because I think it's
16 unlikely that it will happen inside the systems themselves,
17 for the reasons I mentioned, because you always want the
18 power of the specific application, whether you're an insurer
19 or a hospital or a physician or a pharmacy or whatever. So
20 I don't see us developing one set of systems that can do all
21 these things.

22 So the question is, as we keep developing these

1 hundreds of systems in these various areas, are there ways
2 of bringing the information together in those various
3 setting?

4 DR. WAKEFIELD: Just a couple of comments. I
5 would reinforce Ralph's comment, or at least his last one,
6 and that is, to the extent you can help inform us a bit
7 about the interface across different systems and the work
8 that's underway there to try to allow for linkages in a more
9 porous exchange I think that would be helpful. Clearly
10 there has been and there is effort underway there. But I
11 guess now that he's mentioned it, I didn't really see that
12 reflected in the chapter and I think that would be a good
13 add.

14 I want to come back in on Carol's comment and just
15 say that IT is for so much more than just physicians. It's
16 for pharmacists, nurses, dietitians, the whole range of
17 health care providers, and that's absent I think in the
18 chapter. There's a nod here or there to nurses, for
19 example, but pharmacists are just critical when we think
20 about CPOE. Frankly, even patients. We can start to be
21 thinking about how consumers get dealt in in terms of
22 information sharing. So I would try and cast that part of

1 the content a little bit more along those lines. Carol
2 mentioned the different settings and now I'm mentioning the
3 different disciplines in the team including the patient. So
4 a little bit of that focus I think might be good.

5 The second is I liked your notion, I'm not sure it
6 needs to be expanded but I certainly want to reinforce it,
7 and that is what accrues financially with an investment in
8 IT to a local facility versus what doesn't? So how do we
9 incent through payment policy IT application. What I know
10 from personal experience right now is my 86-year-old mother,
11 Medicare beneficiary, who twice now has had wrong-sided
12 procedures, one of them that absolutely would have been
13 prevented had there been an electronic medical record
14 available. But instead it was regrettably a physician who
15 had to rely on memory and information that was located about
16 two floors up and some distance away and not readily
17 accessible.

18 Who paid there? Medicare did. Medicare paid for
19 two procedures. And she paid because she had to go through
20 two procedures. And I paid because I had to take two
21 afternoons off, for example. So it's a little bit that
22 notion of why is it that some facilities may not be stepping

1 up to the plate, or making sure that we're capturing who is
2 paying, because in some instances I think it's probably
3 pretty clear there is a cost, and Medicare on occasion, at
4 least from my experience, does pay. So you make that point
5 a bit. I just would want to make sure it doesn't get lost
6 or maybe it could be even made a little bit more strongly.

7 The last point I think I had is that a lot of this
8 is about the hardware and the software. You mentioned
9 changes in work processes and there's a lot of discussion,
10 for example, about physician resistance primarily and then I
11 think maybe a second tier of nurse resistance or somebody
12 else. I think that's really important, how we get the buy-
13 in, and how that might be serving as a barrier.

14 But in addition, I'd say if we could capture a
15 little bit more, especially when we're speaking to the
16 federal government -- and I don't know how you
17 operationalize this, but it's not just the technology. It
18 is ensuring that whatever Medicare might be paying for, that
19 we're paying attention to the expectation that not only is
20 that hardware put in place but that practice patterns around
21 it change too. It's the culture of the organization, and
22 embedding it within a system of care.

1 That sounds a little bit trite but I'll give you a
2 concrete example. On page five where you're talking about
3 automated dispensing machines that distribute medication
4 doses and they remove the possibility of pharmacist or nurse
5 error. At least in one case that I know of it actually
6 introduced new error because the automated dispensing
7 machine dispense the wrong drug. Had the nurse who picked
8 it up there not looked carefully and -- so in other words,
9 she was still paying attention to the five rights: right
10 does, right patient, right everything else, and checked the
11 drug. But had she not and had she relied on that solely
12 there would have been an error introduced by that technology
13 that wouldn't have occurred before.

14 So that is just an example. It is all about the
15 hardware and software, but it's very much too about what's
16 going on -- wrapped around those systems. The AHRQ IT
17 initiatives that are being funded right now, I was part of
18 at least the rural development of some of those parameters,
19 and I'd say now in retrospect we might have paid a little
20 bit too much attention to the IT and what we're trying to
21 drive on that side and maybe not quite enough to what else
22 does the system have to do or the health care infrastructure

1 have to do to make sure that that application doesn't
2 introduce more compromises in patient safety and so on.

3 So I don't know how you speak to that but it just
4 struck me so much of this was focused on resistance to the
5 application and a few times mentioned change in work
6 processes, but I think it's more than that.

7 The only other point I wanted to make is I think I
8 saw passing reference here or someplace else to the role of
9 QIOs, or maybe I saw this someplace else. I'd just say
10 maybe we could think about whether or not there's a lever to
11 pull there to in terms of quality improvement organizations
12 working with health care systems and facilities. They work
13 with hospitals and clinic and nursing homes and so on now.
14 Maybe this could also be a piece of their portfolio in some
15 fashion. I don't know, but I certainly know the reliance on
16 QIOs, at least in our rural facilities. It's an area of
17 expertise that gets brought out to rural areas that they
18 just don't otherwise have access to.

19 So that's a vehicle for distributing information
20 on quality assurance and quality improvement that maybe the
21 big facilities don't need as much. But it's an entry for
22 our smaller facilities at least and maybe there's a role

1 there in terms of IT application.

2 MR. DeBUSK: Mary, I believe those that you're
3 talking about, perhaps for the drugs bar coding will correct
4 all that. Bar coding will take care of that.

5 We seem to be running around in circles here.
6 Isn't there someone out there in the field, some hospital or
7 for-profit or someone who's got a pretty comprehensive
8 computer system put together to address a lot of the
9 clinical issues?

10 DR. MILLER: As part of this effort we are talking
11 to people in the field who are doing this, and I myself have
12 gone out and talked to at least a couple of plans that are
13 doing these kinds of things.

14 MR. DeBUSK: A couple of plans? I believe this is
15 an area where if we really got on it and did some field
16 visits and contacted some people across the country probably
17 we could find a lot of answers to this, because we're just
18 grabbing for pieces in here now and probably there's some
19 real information out there if we'll just go pursue it.

20 MR. HACKBARTH: There certainly are organizations
21 that have invested a lot of money and a lot of time in this.
22 But even at those organizations you don't necessarily have

1 answers to all these questions. Some of the things are just
2 very difficult to measure, very difficult to assess. So
3 it's not quite as simple as just going to the right people.

4 MR. DeBUSK: I understand that. A lot of the
5 areas that I think we come right back to is addressing
6 protocols, really addressing protocols and established
7 standardization in protocols and approaching it a bite at a
8 time, with different applications, taking protocols and
9 eating into the clinical aspect.

10 Now let me ask you something else. By law, how
11 much of these records do we still have to have a paper copy
12 of that we've got to store in a warehouse and keep for 15 or
13 20 years?

14 MR. HACKBARTH: I don't know the specific rules,
15 but once you go to a computerized system it's not like you
16 need to keep paper records, paper copies of everything.

17 MR. DeBUSK: I think you still have to under some
18 law.

19 MR. HACKBARTH: Are you talking about the old
20 record?

21 MR. DeBUSK: Yes.

22 MR. HACKBARTH: Typically what you do I think, at

1 least what we did at Harvard Vanguard in Boston is that you
2 backload the data. You just don't start on day one and
3 collect only data going forward. You take the old data and
4 put it into the system. Now I don't know what the
5 conventional practice is for people who are converting from
6 paper records to -- Ralph, you're saying no?

7 MR. MULLER: Given the under-investment, if you
8 really want to see under-investment, take your back records
9 -- I mean, that will kill the -- I mean, I think you can do
10 it here on some simple stuff, but by and large most people
11 do not, your phrase, backload the data. What they do is
12 they do it going forward.

13 MR. HACKBARTH: Our situation was unique because
14 we were converting from one computerized system to another
15 which obviously makes that task a lot easier.

16 Can I just leap into the queue for a second? I
17 think there's a lot of really excellent stuff. It's very
18 thoughtful, very careful look at the issue overall. There
19 was a strong emphasis and I think an accurate emphasis that
20 often the gains are difficult to quantify, and that's an
21 impediment in some cases to people making a very substantial
22 investment in doing this.

1 But I think equally important is that often the
2 gains accrue to others. There are real externalities here.
3 I think one of the reasons that you see organizations like
4 my old organization, Harvard Vanguard or Kaiser Permanente
5 doing this is that they're fully capitated, so they're at
6 risk for the whole range of services. And if by changing
7 practice over here you can save money over there, the gains
8 accrue within the same system.

9 Whereas, in the more fragmented fee-for-service
10 system, often the gains will accrue to other people. So I'm
11 worried about those externalities. I think I'm using the
12 word correctly, Joe -- and that that means that the market,
13 left to its own devices, may not solve this problem. That
14 leads me to think that maybe we do need to think about ways
15 that the public sector can help support the development and
16 dissemination of these systems.

17 DR. REISCHAUER: On that very point. You're right
18 about Kaiser Permanente sort of, but people leave the
19 system, so they don't capture it. One thing that Medicare
20 has to its advantage is, when you leave the system you've
21 left for good and you are joining someone else's system, or
22 at least one with high medical costs.

1 MR. HACKBARTH; That would be fine though if
2 Medicare were the one making the investment. But Medicare
3 isn't.

4 DR. REISCHAUER: No, I'm getting to the point
5 which is, the argument is, therefore Medicare should be
6 willing to pony up some of this because eventually it will
7 reflect back in lower fees -- could, maybe.

8 MS. RAPHAEL: But I think in line with that,
9 that's something that I've been thinking about, because with
10 the externalities you can't really measure the return very
11 precisely. I think it was Jeff Goldsmith who told us, only
12 40 percent of IT projects succeed.

13 So given all of those things I agree, how will we
14 see that this really progresses? And the high cost. The
15 costs are really incredibly high. I envy the IT companies.
16 I wish I had that kind of product where you buy the product
17 and they immediately tell you that you have the wrong
18 product, that they can't support, and you have to upgrade it
19 at the cost of \$1 million.

20 MR. MULLER: That's why people don't buy it,
21 Carol.

22 MR. HACKBARTH: Somebody earlier asked about the

1 scale of the investment. For Harvard Vanguard, a group with
2 500 to 600 physicians, when you count everything, software,
3 infrastructure, training, you are talking tens of millions.
4 My recollection is something on the magnitude of a \$40 or
5 \$50 million investment. Alan may know how much
6 InterMountain Healthcare has spent on this. It's big bucks.

7 DR. WORZALA: I didn't put it in the presentation
8 but you probably heard me before pulling through papers to
9 get some of these numbers for you on the average cost. I'll
10 just run through a few of them. It totally depends on the
11 institution and the installation and what you're doing, and
12 training and all those things. These are some average costs
13 coming out of the lit review. For the bar coding, \$350,000
14 to \$1 million; for PACS, \$3 million to \$4 million. It can
15 be much more than that if it's a larger institution. CPOE,
16 a range of \$3 million to \$20 million. And then again,
17 electronic health records, really tens of millions. That's
18 a big-ticket item.

19 Then the physician EHR is a little bit less
20 expensive but I think in terms of revenue it's the same
21 large investment. They're talking about \$25,000 per
22 physician, but again there's a marginal decline in the cost

1 for additional physicians in a given practice.

2 I just wanted to say one thing, as part of this
3 work, part of what we built on here was a series of
4 interviews that a contractor did for us with 12 hospitals
5 that are very advanced in their use of IT, and eight
6 hospitals that are less advanced in their use of IT. I
7 can't give you the names of the institutions because we did
8 promise them that they wouldn't be identified, but these are
9 some of the big leaders in IT. They all had a different
10 story, but some of the main threads that I pulled out of
11 here were derived from talking with the leaders in use of IT
12 as well as people who aren't as far along.

13 One of the observations really does coincide with
14 what you were saying, Glenn, many of these leaders in use of
15 IT are more closed systems, or hospitals that employ their
16 physicians where there's much more internal -- the
17 externalities are internalized because of the size of the
18 organization and the breadth.

19 MR. HACKBARTH: Even when it turns out to be a
20 success story, it's lots of painful moments on the road to
21 success. It's just not easy stuff to do.

22 MR. FEEZOR: Just quickly, Glenn. You touched on

1 exactly what I hoped that we would emphasize, and that is
2 because the investments are disproportionate probably to the
3 returns that I would hope our report would you, as you
4 suggested, explore a bit more either what the actual legal
5 interpretations are in terms of different providers
6 investing for other provider's benefits, or your safe harbor
7 I think is how you mentioned it, or other community ways of
8 funding that.

9 Second, I would just underscore Carol and Mary's
10 point that IT not just as transfer of information but as
11 decision support, not just for the clinician but I think
12 increasingly for the patient or the would-be patient.

13 Third is, just ought to emphasize Jack's concern
14 that the costs are so formidable that our small and our not-
15 for-profit institutions may not be able to do that, and I
16 think some greater emphasis on the range of investment and
17 what that would mean in terms of the smaller institutions,
18 total budget might be helpful.

19 Then finally, Glenn, I think getting back to what
20 I think I heard you alluding to, I think this is so
21 important to so many aspects of other issues that we have
22 been focusing on and that Congress has been -- I hope that

1 we would take a leadership position, or at least be urging
2 both the Congress and the administration to really focus and
3 try to accelerate the evolution of policy in this area so
4 that there could be both consolidation and stability within
5 the market by which these technologies could be more broadly
6 applied.

7 DR. REISCHAUER: I was wondering whether there is
8 another country or a Canadian province which is far advanced
9 from where we are which we might use as a description of the
10 potential --

11 MR. MULLER: The U.K..

12 DR. REISCHAUER: That's what I was thinking of a
13 weekend trip for you two.

14 MR. MULLER: The U.K. has done more and they're
15 basically implementing a lot of the work that comes out of
16 Berwick's group who are doing a lot of the design. So
17 obviously, as a system that's more closed they can make
18 these kind of investments and follow it. It's also fair to
19 say that the investment even there is modest compared to
20 what the potential investments can be.

21 DR. NELSON: I think it's important to at least
22 reference the potential for the future to be less expensive,

1 less costly as we move to a secured open source electronic
2 health record that's web-based, that doesn't rely on
3 software that people have to buy, and that allows the
4 patients to enter information into the electronic health
5 record and have access to the information in there. So that
6 if they're monitoring their blood pressure or their blood
7 sugar or whatever, they own part of that record and they can
8 enter information into it. I think the field is moving so
9 quickly in this area that software is not going to be a
10 problem in the future.

11 DR. MILLER: Just to make a couple points. You
12 two are not going to the U.K., so just make sure we put a
13 stop to that right here. But actually as we were thinking
14 through this there's a couple of points. To Mary's point,
15 whether it came through or not, we spent a lot of time
16 talking about the process, and that you can purchase the
17 software but the notion of getting people to use it and
18 working through it and those things was something that we
19 spent a lot of time talking about. We'll make sure that
20 that comes out.

21 But because of that, because of the uncertainty of
22 the ROI -- we all agree that this is an important

1 infrastructure, but if we go down the road of thinking about
2 federal incentives we ought to think carefully about those.
3 And because it's so uncertain we might want to think of
4 incentives that have a shared risk to them so that it's not
5 just a one-sided proposition for the federal government.

6 MR. MULLER: I would say in terms of, the software
7 may be inexpensive, but that's not where the big costs are
8 in system installations. In fact I think for the last year
9 or two, the VA, which has quite a sophisticated system, has
10 made it available to anybody to adopt for free, and as far
11 as I know nobody has yet adopted it, in part because it
12 doesn't connect to the other systems that they have and a
13 lot of the cost, as all of us know, really are in training
14 staff, changing other kinds of systems, people systems,
15 management and so forth. So I don't think we should
16 understate by any means how expensive these installations
17 are.

18 In some ways, the software may be the cheapest
19 part of this and it's all the other costs that make it so
20 dramatic. It's really changing how people practice. And
21 those costs are interlaced and marbleized throughout the
22 whole health system. So I think it's important to both have

1 -- I share Glenn's sense that having some vehicle for having
2 Medicare support these kind of investments I think is
3 important. At the same time I do think we should not
4 understate how expensive it is to make these kind of
5 improvements, largely because they're not just cost of
6 software. They're costs of how one run health systems.

7 MS. MILGATE: Could I just make a comment on that?
8 When we talked to different systems about that, in fact when
9 we talked to the VA and I asked them about VISTA, this isn't
10 a software that others could use fairly cheaply and he said,
11 that's not the point really. The point is everything else
12 Ralph said.

13 But when we talked to the systems about that, to
14 them they didn't think of that -- I mean, they included it
15 as costs but they said, the real situation is the commitment
16 to doing that, the leadership to doing that, the time it
17 takes to do that. So they weren't as concerned about the
18 dollars. They were more concerned about whether their
19 organization had the capacity to actually make that type of
20 change.

21 DR. NELSON: I think it's different if we're
22 talking about a big health system than if we're talking

1 about a two-person physician group. The new generation of
2 physicians are going to demand it, and it's going to be
3 linked to decision-support systems that help them, as well
4 as managing the rest of their practice. In that sense,
5 finding things like an open source electronic health record
6 that is secured as an alternative to what's happening.
7 That's a very practical approach.

8 MR. HACKBARTH: Okay, thank you.

9 Next up is dual eligibles.

10 MS. MUTTI: This presentation follows up on our
11 discussion about dual eligibles that we had in January. At
12 the January meeting, as you might recall we talked about
13 their eligibility requirements and the coverage and payment
14 policy for duals. Today we're going to talk about their
15 demographic characteristics as well as their spending
16 patterns. In April we hope to come back to you then with a
17 draft chapter that incorporates this information and also
18 pulls together some more information on spending patterns as
19 well as quality and access information.

20 Today perhaps the best way to frame this
21 discussion is to pick up on a question that was asked at the
22 last meeting, and that was, what are the characteristics of

1 a typical dual beneficiary?

2 So first let me take a look at demographic
3 characteristics, but I need to take just a moment to talk to
4 you about how we define dual beneficiaries and how we
5 counted them. We included all those who are fully dual
6 eligible, including the medically needy. We also included
7 those people who are qualified Medicare beneficiaries as
8 well as specified low income Medicare beneficiaries. These
9 people are not entitled to the full range of Medicaid
10 beneficiaries. They have help with their premiums and in
11 some cases also their cost-sharing.

12 We further refined our definition duals by
13 counting someone in these categories as duals only if
14 Medicaid was their predominant source of coverage throughout
15 the year. These definitions are slightly different than the
16 ones that were used for the disease management work so
17 you'll notice some discrepancies but nothing that really
18 changes the fundamental picture here. I should also add
19 that our analysis is based on 2001 MCBS cost and use data,
20 and also that it was largely or completely performed by
21 Sarah Lowery on our staff with the help of Dan Zabinski.
22 Unfortunately, neither of them could be here today.

1 Now let me turn to the demographic data. Relative
2 to non-duals, duals are far more likely to be enrolled as
3 disabled, and therefore be under 65. In fact they are 2.5
4 times as likely. They are also more likely to be over 85.
5 So of duals, more than one-third are under 65 and about 14
6 percent or over 85. These two subpopulations, therefore,
7 account for 50 percent of all duals. The remaining 50
8 percent is fairly evenly divided between these two age
9 categories.

10 Relative to non-duals, duals report worse health
11 status. The majority report good or fair status, but just
12 over 20 percent report poor health status and 17 percent
13 report excellent health status.

14 Relative to non-duals, duals are more likely to
15 have greater limitations in activities of daily living, such
16 as bathing or dressing. 33 percent have difficulty with
17 three to six ADLs. But it is notable that 45 percent of
18 duals do not have any limitations in these activities.
19 Almost one-quarter of duals reside in an institution
20 compared to 3 percent of non-duals. And while a small
21 proportion live with their spouses, a larger percentage live
22 with others, such as family members.

1 Over 60 percent of duals live below the poverty
2 level and almost 95 percent live below 200 percent of the
3 poverty level. Some of the details on these statistics are
4 in your mailing materials on page two if you would like to
5 refer to that. They are more likely to be female; 62
6 percent of duals are women, and of a minority population; 43
7 percent are minorities, and live in rural areas. It's about
8 27 percent of duals compared to about 23 percent of non-
9 duals in rural areas. Few have other sources of
10 supplemental insurance. Those that do tend to have it
11 through programs like the VA or state-sponsored drug plans.

12 So the summary that I would like to pull out of
13 these various statistics is that the areas that we see the
14 greatest relative uniformity within the dual populations are
15 with respect to being poor, poorly educated, minority, and
16 having no other sources of supplemental coverage.

17 We do see substantial variation in other areas,
18 especially in the area of age, the relative level of
19 disability as defined by difficulty with the ADLs, their
20 living arrangement, and even with their reported health
21 status. We see considerable variation with 17 percent
22 reporting excellent and 21 percent reporting poor.

1 This variation makes it difficult to identify the
2 demographic and health status characteristics of the typical
3 dual beneficiary and leaves us to look at subgroups of
4 beneficiaries as a more useful tool for examining what's
5 going on with duals. We're going to come back to that at
6 the end here.

7 Next we looked at spending patterns for the dual
8 population. Let's start out with our broadest statistic.
9 While dual beneficiaries account for 15 percent of all
10 beneficiaries, they account for 22 percent of Medicare
11 spending. In this analysis we find that the average per
12 capita Medicare spending on a dual beneficiary is about
13 \$8,560, which is about 68 percent higher than non-duals.

14 Next we looked at the factors behind this higher
15 spending on duals and examined spending for duals and non-
16 duals by service area. We found that average per capita
17 spending for duals is higher for each service area, and in
18 particular spending for inpatient, outpatient, SNF and
19 hospice services are more than twice as high as that for
20 non-duals.

21 We found that this higher spending average is a
22 function of both a greater proportion of users and higher

1 spending among users in the dual population. Overall, duals
2 are more likely to use Medicare-covered services; 92 percent
3 used any service compared to 89 percent of non-duals. But
4 the difference can be much more significant by service area.
5 For example, duals are almost twice as likely to use SNF
6 services than non-duals. We also found higher spending
7 among those who use services. This indicates that those
8 duals who use services received a greater volume and/or
9 intensity of services compared to non-duals. The greatest
10 differences were found in outpatient, hospice, and physician
11 services. For example, spending on outpatient service for
12 duals who used the service was about 70 percent than that
13 for non-dual users.

14 We then examined the distribution on Medicare
15 spending on dual eligibles and found that spending is
16 considerably concentrated on a minority of dual
17 beneficiaries. Looking at the left-hand and the middle
18 columns in this chart you can see that the costliest 4
19 percent of dual beneficiaries account for over 40 percent of
20 Medicare spending on duals. The costliest 20 percent
21 accounted for about 80 percent of spending, and the least
22 costly 50 percent accounted for about 3 percent of spending.

1 For these people Medicare spend about \$1,700 or less in
2 2001.

3 We also looked at total spending on duals, and
4 that refers to the combination of Medicare, Medicaid, and
5 out-of-pocket spending. Average total spending for duals we
6 found was about twice as high as that of non-duals, about
7 \$20,000 compared to \$10,000. If you look at the right-hand
8 and center columns you can see the spending distribution of
9 total spending. The distribution is similar to that of
10 Medicare spending for duals but is less concentrated. The
11 costliest 5 percent account for 27 percent of spending as
12 opposed to 41 percent for Medicare. Similarly, total
13 spending on the least costly 50 percent is 9 percent
14 compared to 3 percent for Medicare spending.

15 So to summarize the findings that were just
16 mentioned on that chart, we find that, as with non-duals,
17 there is tremendous variation within the dual population on
18 Medicare service use. Some duals are incredibly costly
19 while many are not, which again undermines our summary
20 generalizations about the typical dual beneficiary's health
21 care use.

22 Despite this diversity within the dual eligible

1 population, duals are still, on average, much more costly
2 than non-duals. Accordingly, duals represent the
3 disproportionate share of the overall most costly
4 beneficiaries. Of the 5 percent most costly beneficiaries
5 overall, one-quarter of them are dual. Of the 1 percent
6 most costly beneficiaries overall, one-third of them are
7 dual. Then as we just noted in the last slide, total
8 spending on health care for duals is double that for non-
9 duals and is somewhat less concentrated than Medicare
10 spending on duals.

11 Now that we have demonstrated the significant
12 diversity in the dual population we hope to shed some more
13 light on the subpopulations that are evidence based on age
14 and type of disability that beneficiaries may have. So
15 we've decided to look at various subgroups and we've
16 identified those, both in the categories of disabled
17 beneficiaries and aged beneficiaries, the following three
18 categories: those that have mental or cognitive
19 disabilities, those that have limitations in two or more
20 ADLs, and those that have limitations in less than two ADLs.
21 So that would be six categories altogether.

22 For each of these subgroups we plan to look at the

1 proportion of the dual population they represent, their
2 service use and spending patterns, and compare this to non-
3 dual with the same characteristics. And we'll take a look
4 at the proportion institutionalized.

5 As I mentioned at the beginning, we also plan to
6 look at data on access and quality of care. I think there's
7 a few other threads that we wanted to pick up based on some
8 of the questions that we got last time in terms are what are
9 the patterns, length of eligibility as a dual and see if we
10 can't find out a little bit more about that. Then we also
11 would like to do a little bit more work trying to parse out,
12 of the total number of duals what percent are medically
13 needy, what percent are QMB only, and what percent are SLIMB
14 only. We just need a little bit more time to look at that.

15 So at this point I think I'd like to stop and get
16 your thoughts on this analysis and any other questions.

17 DR. REISCHAUER: Anne, I thought this was very
18 interesting work that you're doing, and your last comment
19 fed right into the one reservation I had about this. That
20 is, it's one group of apples and one group of oranges. Pure
21 duals, QMBs and SLIMBs are all there because of their
22 incomes. The medically needy are there because of their

1 high expenditures. So in a sense you say, these people cost
2 a lot when you've chosen a chunk of them because they cost a
3 lot and it's hardly a eureka moment.

4 I think maybe, when you can, separating the two,
5 at least one for some of the purposes would be of interest,
6 because the medically needy come from a much larger
7 population, some of whom then get sick and spend down and
8 there they are. And by definition they're going to have all
9 these characteristics that we're saying, isn't that big?

10 MS. MUTTI: Right. And it would also be nice to
11 look at their Medicare spending versus their total spending,
12 how much higher too.

13 MS. RAPHAEL: The other thing I was interest in is
14 when you look at Medicaid for the dually eligibles you find
15 the same pattern, that a small percentage of Medicaid
16 patients account for a large proportion of expenditures and
17 it very much correlates with dual eligibility. I'm
18 wondering if there's anything we can say about that.

19 MS. MUTTI: I guess I would like to take another
20 look at the data we have to see what patterns we're seeing.
21 Then it might be interesting as we look at these
22 subcategories to see if we see different ratios along those

1 lines.

2 DR. REISCHAUER: Run that by me again, Carol. The
3 concentration of Medicaid spending?

4 MS. RAPHAEL: Yes, if you look at -- this is what
5 I remember and I'm not sure I remember it accurately.

6 DR. REISCHAUER: But Medicare is a primary payer
7 so people who are dual will have a big chunk of their
8 expenditures paid by Medicare and appear to be, in a sense,
9 relatively cheap Medicaid folks relative to the rest of
10 Medicaid.

11 MS. RAPHAEL: That's what you would think.

12 DR. REISCHAUER: Except the ones that are in
13 nursing homes, long-term care.

14 MS. RAPHAEL: Right. I'd be interested in that.

15 MS. MUTTI: That's why I think some of the
16 subgroup analysis where we show the elderly versus the
17 disabled or something, those people who are more likely to
18 be institutionalized, what the Medicare compared to Medicaid
19 spending looks like might be interesting.

20 MR. DURENBERGER: As I have followed the work that
21 everybody is doing, it's a very comfortable progression to
22 lay a foundation under what hopefully will become at this

1 level a discussion about how to advise the Congress on the
2 future of Medicare payment policy. This is just a report,
3 and Sheila Burke isn't here today, but last week at the
4 Kaiser Commission on Medicaid and the uninsured we spent a
5 lot of time looking at the future of Medicaid and all that
6 sort of thing. One of them specifically was the area of
7 dual eligibles. The similar kinds of issues that get raised
8 by the data here were raised, obviously, and discussed there
9 at some great length, in terms of the fact that the Medicaid
10 program filled in a lot of the gaps in the benefit structure
11 or the cost-sharing structure or whatever. Bob has already
12 alluded to some of the reasons. But some of it is
13 structural.

14 Secondly, that the failure, if you will, as we
15 looked at it from back in 1988, to build some long-term care
16 coverage in through Medicare causes a substantial amount of
17 the Medicaid dollar to go into it. The challenge there is
18 that so much of that money is directed toward institutional
19 care as opposed to community home-based and so forth one,
20 which one would hope might come if it were more of a social
21 insurance program than a welfare-like program.

22 Then thirdly we looked at, what's the implication

1 of MMA, and the fact that in their wisdom the Congress has
2 decided to move the prescription drug part of the coverage
3 for dual eligibles into the Medicare program, but then asked
4 the states to pay for it; the so-called notion of the
5 reverse block grant. It left us as a group in some kind of
6 doubt about where this administration, this Congress may be
7 headed in terms of most appropriate public financing for
8 access for the 51 million now served by Medicaid.

9 But in particular, where there is this major and
10 expensive overlap for the 7.5 million people who are dual
11 eligibles, what's going on in their heads? Is there
12 anything on purpose about the federalization of the
13 obligation to provide prescription drugs for the dual
14 eligibles? Is there any more to be read into that in terms
15 of using the Medicare program further to serve the health-
16 related needs of people who are dual eligible?

17 The bottom line when we were asked as a group to
18 look through what was our consensus as to what the staff
19 ought to look at more we said, we ought to look more at the
20 role that Medicare, or an expanded Medicare ought to be
21 playing with regard to your dual eligibles and everything
22 else, period. Nothing more than that.

1 So I'm just, as a matter of reporting that the
2 commission and those of us who are advisory to the
3 commission are going down a parallel track, and just as one
4 who overlaps the two commissions I'm hoping that at some
5 period of time after we put more of a base under this we can
6 begin to start answering questions at least that we had last
7 week, which is, should not the Medicare program be designed
8 in a different way to cover more of the health-related needs
9 of the dual eligibles? And if so, might that result in more
10 or less economies, efficiencies or whatever if that were to
11 happened?

12 Nobody at this stage knows the answers to those
13 questions, but because we don't feel that those answers are
14 coming from the Congress, from the administration.
15 Everybody looks at the deficits and says, where's the money
16 going to come from? You look at the states, there's no
17 resources there. Yet there are 7.5 million very vulnerable
18 Americans in this population, as we pointed out, to whom
19 both of these organizations see themselves -- both MedPAC, I
20 would hope, and Kaiser see themselves as having some kind of
21 responsibility to give some advice to the Congress about
22 this large volume of public financing and how it might be

1 more appropriately used.

2 MR. HACKBARTH: In MMA, did the administration
3 initially support bringing the drugs into Medicare? I
4 thought they wanted to leave it with the states.

5 DR. REISCHAUER: The dual eligibles --

6 MR. HACKBARTH: So it was from the Congress that
7 that idea came and then the administration said okay, with a
8 clawback basically.

9 Any other comments on dual eligibles?

10 Okay, thanks, Anne.

11 Next up is -- as you'll recall from years passed,
12 we need to review the CMS estimate of the physician update
13 which is finally published I think in June; is that right?

14 DR. HAYES: Our review is published in the June
15 report and then update itself in November.

16 MR. HACKBARTH: So this is our look at this for
17 our June report.

18 DR. HAYES: Yes.

19 Thank you. Our task then is to review this early
20 estimate of the update now for 2005. It's a calculation
21 that CMS goes through according to a statutory formula that
22 compares actual spending for physician services with a

1 target. That target in turn is determined by what's known
2 as the sustainable growth rate, which is a growth rate for
3 spending on these services.

4 There has been a new development here in that the
5 Medicare Modernization Act established a minimum for the
6 physician update for both 2004 and 2005, a minimum update of
7 1.5 percent. So in a sense, the Congress chose to override
8 the statutory formula for those two years.

9 CMS still, however, needs to go through the
10 calculation and determine whether or not under the formula
11 the update would exceed that 1.5 percent minimum that was in
12 the law. That's the core of what's before us today is their
13 calculation of what the update would be in the absence of
14 the MMA minimum of 1.5 percent. They have done so and have
15 calculated an update under the formula of minus 3.6 percent.
16 So we want to then go over their calculations and review
17 that result.

18 All of this would be recognizing that the numbers
19 involved in the calculation are subject to change and may be
20 very different between now and November when CMS goes
21 through the calculations that will actually determine what
22 the update will be for 2005.

1 In your mailing materials for this meeting you had
2 a draft of our review as it would appear in the June report.
3 It is really a technical review of the details of the
4 calculations and the estimates that were used for those
5 calculations. That's pretty much what we have.

6 So just to review, the process that CMS goes
7 through here with the statutory formula is really a two-part
8 process. First, there is an estimate of that sustainable
9 growth rate which determines the target level of spending
10 for physician services. Then CMS calculates what the update
11 would be under the formula by comparing an estimate of
12 actual spending for physician services with the target
13 that's determined by the SGR.

14 So looking first at their estimates for the
15 sustainable growth rate, the estimate is as you see it here.
16 It's really a process, given that we're looking for a target
17 rate of growth in spending, the sustainable growth rate
18 needs to account for two things then. It needs to account
19 for changes in prices and it needs to account for changes in
20 the quantity of services. So we have a measure of input
21 prices here that CMS is using, estimating at this point of
22 2.6 percent.

1 This would be a weighted average of three types of
2 price changes. One would be from the Medicare economic
3 index which you're familiar with. It's used in our
4 recommendations about the payment update for physician
5 services. It measures input prices for physician services,
6 rents and salaries and that kind of thing. Then we also
7 have considered here, as part of the definition of spending
8 for physician services we have spending for Part B drugs.
9 These would be the injectable drugs that are covered under
10 Part B and often administered in physician offices. So
11 there is a consideration of those price changes in here as
12 well. And finally, changes in payment rates for laboratory
13 services, those services in our and CMS's definition of
14 physician services, services often provided in physician
15 offices. So we get this 2.6 percent here for input prices.

16 Then moving over to the quantity side we start
17 with just enrollment, the number of beneficiaries who would
18 be using services in Medicare fee-for-service. We see here
19 a minus sign in front of this factor of minus 0.2 percent.
20 We have not seen minus signs in these calculations for
21 several years now, but this reflects an assumption that
22 there will be some shift in enrollment from Medicare fee-

1 for-service to Medicare Advantage consistent with policy
2 changes that were in the MMA.

3 Third up we have growth in real GDP per capita.
4 That's the allowance in the SGR for growth in use of
5 physician services per beneficiary. The MMA changed this
6 factor somewhat. It's now moved from what was year-to-year
7 changes in GDP growth to a 10-year moving average. So this
8 is CMS's calculation of a 10-year moving average. It's
9 intended to smooth out changes in this factor and reduce the
10 volatility ultimately in the SGR itself.

11 When there are changes in the benefit package
12 there is a factor here for changes in spending that would be
13 due to law and regulations. None are anticipated at this
14 point for 2005, so CMS is estimating a factor of zero for
15 this. All this totals up to 4.6 percent, and that would be
16 the target rate of spending growth for physician services of
17 the year 2005.

18 MR. HACKBARTH: Kevin, let me just leap in a
19 second. I don't want to deny any commissioner the
20 opportunity to review all of the component parts. I for one
21 would be willing to stipulate that 1.5 percent is probably
22 going to be greater than the number that the SGR formula

1 would produce. Is there anybody who would like -- Alan,
2 would you like to go through all the details? I know you've
3 followed this very closely?

4 DR. NELSON: I would like to just raise one
5 question because I think that if this is going to appear in
6 our June report we have to appear thoughtful and reasonable.
7 A zero percent for changes in law and regulation denies the
8 impact of the MMA, which includes the entrance history and
9 physical that's going to find a certain amount of stuff as
10 cholesterol screening and so forth.

11 Now it may be that in calculating the sustainable
12 growth rate that they specifically are looking only at law
13 that's passed in 2005. But in the estimated update
14 calculation there's a 0.8 percent figure attached to that
15 and so I have two questions.

16 Number one, Kevin, on the bottom of page two you
17 say, MedPAC finds no reason to question CMS's assumptions
18 about factors that determine the update. Then going on on
19 page three we say, an estimate of no change in spending due
20 to law and regulation is valid as long as the Congress, and
21 so forth. I think we should at least qualify the fact that
22 we expect some increase in spending and volume as a result

1 of legislation that will become active in 2005.

2 I wonder if the legislative adjustment of 0.8 is a
3 high enough figure. I wonder if we ought not flatly say,
4 yes, we go along with this when there are good and clear
5 reasons for us to express some reasonable doubt about the
6 assumptions.

7 DR. HAYES: The 0.8 factor that's shown here is a
8 legislative adjustment that was really a carryover from the
9 Balanced Budget Refinement Act of 1999. There were some
10 technical changes made in the SGR formula at that time and
11 there has been a series of these legislative adjustments
12 that have to be incorporated in the calculations over a
13 period of years. This is the final one which is 0.8.

14 DR. NELSON: I guess I'm back to my original
15 question then as to whether we should express some level of
16 disagreement with an assumption that says there won't be an
17 increase in volume as a result of legislation, when indeed
18 there will. There is certain to be. I think it will
19 probably be pretty substantial as a result of the screening
20 law changes.

21 MR. HACKBARTH: What's the effective date of that?

22 DR. NELSON: 2005. The cholesterol screening

1 applies to everybody. There are other screening changes,
2 but the screening physical for new beneficiaries, as I
3 understand it from the text here, begins in 2005.

4 MR. HACKBARTH: So we don't need to dwell on the
5 details right now, but on the face of it it seems like there
6 might in fact be some numbers in that slot. Could you just
7 investigate, Kevin, why they're not?

8 DR. HAYES: Yes.

9 DR. ROWE: Since we want to be clear and objective
10 and thoughtful, should we comment on the difference between
11 minus 3.6 and plus 1.5?

12 DR. NELSON: Only to say that we favor it.

13 [Laughter.]

14 MR. HACKBARTH: Let me just say a word about how
15 we've handled this in the past, just as a reminder. We've
16 taken this up basically as a technical exercise in the past
17 where we review the basic calculation and, at least to my
18 recollection, have always said it more or less make sense.
19 In the past there have been some occasions where the update
20 was not in accord with MedPAC recommendations and we've said
21 something to the effect that, yes, the calculation is right
22 but we think a modest update for physicians would be

1 appropriate for the year in question. In this instance, MMA
2 overrode the formula and provided the 1.5 percent update,
3 which I think is consistent with our recommendation in the
4 March report.

5 So what I would say is we just note that fact and
6 move on, and for example, not use the letter as an
7 opportunity to pound the anti-SGR drum again. We've not
8 used it in the past that way and I think that was a smart
9 move that we ought to continue.

10 DR. ROWE: What happens going forward since this
11 formula, which we want to get rid of anyway but let's say
12 persists or the ghost of it returns, and it's got these
13 adjustments in it, so that if the physicians were underpaid
14 it adjusts for that, and if they were overpaid it adjusts
15 for that. Now we're going to have two years or at least one
16 year where there's going to be a 5 percent difference
17 between the calculation and what the payment is. Is that
18 going to be corrected for going forward so there's going to
19 be a reduction in the payment increases?

20 MR. HACKBARTH: We're getting further and further
21 away from the underlying SGR curve.

22 DR. MILLER: Or to put it differently, to the

1 extent that volume is growing, that can affect the update,
2 and to the extent that Congress has intervened and given a
3 higher update than the SGR would, that also counts and then
4 gets taken out over time.

5 DR. STOWERS: I just want to be sure though that
6 this doesn't get interpreted as even though we believe that
7 they're calculating the SGR correctly and we're okay with
8 the update, that we're totally giving up the idea that this
9 minus 3.6 is not enough. Just so that's not interpreted as
10 us -- and I think it almost could be, that, yes, we're going
11 to go with what Congress said but -- we don't want to come
12 across as we've dropped our recommendation from a plus 2.5
13 to a minus 3.6.

14 MR. HACKBARTH: I understand your concern and we
15 will write the letter so that it's clear what we're
16 concurring with and what we're not.

17 Any others? Okay, I think we've covered all the
18 important points. Kevin, anything else from your
19 perspective?

20 DR. HAYES: No.

21 MR. HACKBARTH: Great.

22 Last for today is skilled nursing facilities and

1 differences in patients between hospital-based and
2 freestanding.

3 DR. SEAGRAVE: Today I will present results from
4 our ongoing analysis of the differences between hospital-
5 based and freestanding SNFs. I will focus today's
6 discussions on the factors affecting acute-care hospital
7 decisions to refer patients to hospital-based SNFs. This
8 research is being conducted by researchers at the University
9 of North Carolina at Chapel Hill under contract with MedPAC.

10 The purpose of this research is to examine the
11 systematic clinical differences in the types of patients
12 going to hospital-based versus freestanding SNFs in order to
13 better control for these differences when we look at the
14 differences in resource use and outcomes between the two
15 settings, which we plan to do in future work. For example,
16 we have previously discussed the fact that the average
17 length of stay in hospital-based SNFs is about half the
18 average length of stay in freestanding SNFs, but until now
19 we've not been able to sufficiently control for the patient
20 populations when we look at the statistic, and it's
21 important to control for these populations.

22 This is the research question that we're

1 exploring, and the selection factors that we're considering
2 in this analysis are patient characteristics,
3 characteristics of the referring hospitals, and local market
4 area characteristics.

5 Hospital-based SNF referral patterns differ
6 substantially depending upon whether the acute care hospital
7 the patient is treated in has SNF beds or not. Hospitals
8 with SNF beds refer about 51 percent of their SNF discharges
9 to hospital-based settings. Hospitals without SNFs,
10 however, refer only about 13 percent of their SNF discharges
11 to hospital-based SNF settings. So therefore, having a SNF
12 unit is a strong predictor of hospital-based recall.

13 This also means that patients fitting the profile
14 of a typical hospital-based SNF patient can be found in both
15 hospitals with SNF beds and hospitals without SNF beds.
16 They could also be found in both types of SNF settings.

17 The data we use for this analysis come primarily
18 from CMS and they involve merged claims data from the acute-
19 care hospitalization preceding the SNF stay, claims from the
20 SNF stay, and claims from any rehospitalization occurring
21 within 30 days after the SNF stay. Also this information is
22 merged with patient's MDS information and with the facility

1 characteristics.

2 We also combined this data with data about the
3 referring hospitals and market level characteristics. We
4 used data from July 2000 to July 2001, and we exclude
5 observations that are less relevant to the question at hand,
6 including swing bed stays, discharges from non-PPS hospitals
7 such as long-term care hospitals, and inpatient
8 rehabilitation facilities, cases with a gap of more than a
9 week between the hospital discharge and the SNF admission,
10 cases referred 100 miles or more from the discharging
11 hospital, and patients admitted to the hospital from a SNF
12 that then go back to the SNF.

13 The prediction model used in this analysis uses
14 observations for patients discharged from a hospital to a
15 SNF. So we're not looking at other types of patients who
16 might have gone from the hospital to home health or to
17 another setting. We're looking specifically at patients
18 that went from the hospital to a SNF. The dependent
19 variable is, one if they went to a hospital-based SNF and
20 zero if they went to a freestanding SNF. So in other words,
21 all of the patients in our sample went to either one type of
22 SNF or the other.

1 The independent variables that we're using in this
2 analysis, or you might call them the explanatory variables
3 are, as I said, patient, hospital, and local market area
4 characteristics. This table gives you an idea of the types
5 of variables that we looked at in our analysis to help
6 explain whether patients were referred to a hospital-based
7 SNF.

8 The model ended up predicting very well the
9 probability of hospital-based SNF referral for patients
10 coming from hospitals with SNF beds. We found that
11 different criteria appear to affect referral decisions in
12 hospitals without hospital-based SNFs. So for this reason
13 we focused our analysis on just the population of people
14 coming from hospitals that had hospital-based SNFs because
15 this seemed like the clearest decision-making group, where
16 the hospital was making a very clear decision on where to
17 send the person.

18 This chart gives you the data breakdown of the
19 number of observations in each group. Let me first explain
20 the left-hand column. We sorted patients in the sample
21 according to their predicted probability based on all the
22 independent variables that you saw in the previous chart,

1 their predicted probability of being referred to a hospital-
2 based SNF.

3 So in other words, the less than 20 percent
4 probability group, those are patients that looked most like
5 patients who end up going to freestanding SNFs. So those
6 are patients that have a low probability of being referred
7 to a hospital-based SNF. Although I want to point out that
8 in all of these categories there are some patients who did
9 go to hospital-based SNFs and some patients who did go to
10 freestanding. So these are the characteristics of the
11 patients themselves and how those predict the probability
12 that they will be refer to a hospital-based SNF rather than
13 a look at where they actually went.

14 Then when you get up to the 80 percent or greater
15 row there you see that those are patients who look most like
16 patients who are typically referred to hospital-based SNFs.
17 You can see that the observations ended up clustering
18 themselves at both ends, where patients were either very
19 likely to look like patients who go more often to
20 freestanding SNFs or they were very likely to look like
21 patients who more often go to hospital-based SNFs, and there
22 were fewer patients in the middle who could have gone either

1 way.

2 This chart gives you the results of our analysis.
3 As you can see, the patients in the 80 percent or greater
4 probability of hospital-based SNF referral in the next-to-
5 last row, these are patients who look a lot like patients
6 who go to hospital-based SNFs. As you can see, they're more
7 likely than patients who go to the freestanding SNFs, the
8 top row of numbers. They're more likely to have no
9 cognitive impairment; 63 percent versus 19 percent for
10 freestanding SNF patients. They're very likely to be
11 identified as people who are likely going to be discharged
12 from the SNF within 30 days. This variable is assessed by
13 the SNF staff on the patient's first MDS assessment, the
14 five-day assessment.

15 So in other words, these are patients who are just
16 identified by the SNF staff right off as being short-stay
17 patients, and they're very likely to go to hospital-based
18 SNFs.

19 They're also much more likely, if they go to
20 hospital-based SNFs, to have support available at home,
21 probably to take care of them when they're discharged from
22 these short stays, and patients expressed a desire to return

1 home. So all of these factors are found more often among
2 the patients who are more likely to go to hospital-based
3 SNFs.

4 On the other hand, they are less likely to have do
5 not necessitate orders on their charts.

6 Patients who are more likely to be referred to
7 hospital-based SNFs also tend to be younger. As you can see
8 by comparing the pink column with the light purple column,
9 people age 65 to 74 fall more commonly in the 80 percent or
10 greater row that represents patients more likely to go to
11 hospital-based SNFs than those more likely to go to
12 freestanding SNFs. And the reverse is true for patients in
13 the category age 85 to 94 who are less likely to look like
14 patients referred to hospital-based SNFs.

15 Finally, we looked at the most common reason for
16 the patient's acute-care hospitalization. As you can see,
17 patients hospitalized for joint replacement appear to be
18 more likely to go to hospital-based SNFs, or to be referred
19 to hospital-based SNFs than patients with other diagnoses.
20 But we did not see that same trend with any of the other
21 diagnoses that we looked at.

22 So in a sense our conclusion from this is that

1 patient prognosis; i.e., what the SNF and the hospital
2 predict is going to be the outcome for the patient has a
3 greater effect on hospital-based referral than the actual
4 diagnosis of the patient. We found that hospital-based
5 patients tend to be identified by the SNF staff as likely
6 short-stay patients, they tend to have a support at home,
7 have a desire to return home, and be younger.

8 However, this does not necessarily mean that they
9 are less clinically complex. If you consider a younger
10 patient who may have joint replacement and might be in the
11 early stages of their recovery and they go to a hospital-
12 based SNF, they might still be more clinically complex at
13 that stage in that they require more IV medications, more RN
14 nursing time, and maybe substantially more rehabilitation
15 therapies than you might think of an older beneficiary who
16 perhaps doesn't have support at home who might end up in the
17 long run going to long-term care in a nursing home. This
18 patient might have lower needs for some of the RN services
19 and the rehabilitation services, although still they need
20 skilled care so they would still qualify for a SNF stay.

21 Finally, we found that joint replacement patients
22 do have a higher likelihood of referral to hospital-based

1 SNF, but we didn't find this pattern with any other
2 diagnosis.

3 We conclude from this that the presence of a SNF
4 unit in a hospital is a strong predictor of referral to a
5 hospital-based versus a freestanding SNF, and that patient
6 selection appears to play an important role in whether SNF
7 patients are discharged from the hospital to a hospital-
8 based or a freestanding SNF.

9 Lastly, we conclude that controlling for patient
10 selection is very important when we're going to try to
11 assess the differences between the two settings in outcomes
12 and resource use.

13 The next steps for this project are just that, we
14 plan to try to use some of this information that I just
15 presented to you to control for patient selection when we
16 look at outcomes and resource use between the two settings.
17 Then we also plan to look at the difference in costs using
18 cost report information between the two types of settings.

19 So I welcome any questions or comments you have.

20 DR. NEWHOUSE: I thought technically this analysis
21 was well done but I have been puzzling about the difference
22 in the margins and what light this all sheds on that. Since

1 at first blush the things you showed us wouldn't seem to
2 explain that, which could lead back to an accounting kind of
3 explanation again. But what I was wondering was, if I have
4 a hospital-based SNF on another floor of my hospital versus
5 I don't so I have to send them over to a freestanding SNF,
6 will I, conditional on diagnosis, age, et cetera and so
7 forth, discharge earlier in the stay? In other words, is
8 what we are seeing in the hospital-based SNFs a form of
9 unbundling that goes on differentially in hospitals with
10 hospital-based SNFs?

11 So I would be interested in not the simple, just
12 the propensities as you showed them on the other ones, but
13 if you control for the key things what happens to hospital
14 length of stay in the low and high probability groups, as
15 shedding light on whether there is differential unbundling
16 or not.

17 MR. HACKBARTH: Any others?

18 So potentially if we took that joint replacement
19 patient, same age, everything, and matched them up, one in a
20 hospital without a hospital-based SNF and they're being
21 transferred to a freestanding, another identical patient in
22 a hospital that does have a hospital-based SNF, what you're

1 saying is those exact patients may cost different amounts in
2 the skilled nursing care because in the one instance they're
3 actually an early hospital discharge?

4 DR. NEWHOUSE: Earlier; exactly.

5 MR. MULLER: Aren't they one of the transfer DRGs?

6 DR. NEWHOUSE: Some of them are is the answer.

7 They have to be less than the geometric length of stay in
8 the DRG and a minority of them are, as I recall.

9 DR. WOLTER: Joe, I don't know the answer to your
10 question. In our place we do have a SNF. It is actually
11 staffed by an internist. A lot of the decisionmaking, I
12 believe, by our physicians is clinical. Hospitals, by the
13 way, don't make the decisions about these transfers,
14 although I know there's a complex interaction between
15 hospitals and what they make available and what physicians
16 end up doing. But I think often times the decision is
17 clinical. I think these are patients who are seen as
18 patients who can go home, in the case of joint replacement
19 in particular, but they're seen as more fragile and needed a
20 little more rehab.

21 To your question, I don't know what the length of
22 stay differences might be but it would be worth looking at.

1 Maybe they're a group of patients who reach the mean length
2 of stay and then are sent to the SNF so they wouldn't
3 necessarily fall out into the transfer policy. I've also
4 done a little work since the January meeting at least
5 looking at our own margins and accounting practices which I
6 would be happy to visit with you about later, but I think
7 that there's a loss in the SNF on many of these patients in
8 Medicare, but perhaps the total of the payment you do get in
9 the SNF plus whatever you get out of the DRG is a little
10 better than what you'd otherwise have. I think that's why
11 many hospitals have stuck with SNFs, although as we all know
12 there's been a huge exit in the last three or four years.

13 DR. SEAGRAVE: Just to follow up on Joe's point,
14 we are looking intensively at the hospital length of stay in
15 many ways, in this study and in the other study that we're
16 doing.

17 MS. DePARLE: I was just curious, in looking at
18 your independent variables I didn't see anything about the
19 socioeconomic status of the patient. Some of these aspects
20 made me wonder whether some of that was going on. That you
21 happened to maybe, in the case of the patients who were
22 referred to a hospital-based SNF, have patients who happen

1 to have a higher socioeconomic status, therefore -- I mean,
2 some of the other factors that we do have data on I think
3 tend to go along with that -- have more support at home, the
4 desire to go home, et cetera. I wondered if that accounts
5 for any of this.

6 DR. SEAGRAVE: You hit the nail on the head in
7 terms of, we had a long discussion about is there any piece
8 of the puzzle that we're missing in this analysis? Is there
9 any data that if we had it we would really want to include?
10 That was not only the number one but just about the only
11 thing was we said socioeconomic status is exactly -- and we
12 just don't have the data on those people. We're trying to
13 figure out some creative ways of figuring that out.

14 DR. MILLER: Susanne, you do enter into the model
15 the Medicaid buy-in, right? Isn't that the best proxy that
16 we have?

17 DR. SEAGRAVE: That's the proxy that we have. As
18 you know, the limitation of that is that it does not include
19 the medically needy. That is just the state buy-in.

20 MR. HACKBARTH: Any others?

21 MR. SMITH: Susanne, I also had a question about
22 the variables. There was no density measure of availability

1 of freestanding SNF beds when you looked at the market
2 variable. I would assume that there's variation and that it
3 would matter.

4 DR. SEAGRAVE: The analysis does include that. I
5 think the reason that it wasn't -- it was actually left off
6 of the chart in part because we're trying to construct an
7 instrumental variable approach to look at outcomes and
8 resource use, and it was inadvertently left off the chart.
9 Actually I should have put it on there, because we were
10 thinking about using that, and we're still thinking about
11 using that as an instrumental variable, so it can't be in
12 the first part of the model.

13 MR. HACKBARTH: Okay. Thank you.

14 So now we are to the public comment period.
15 Actually a half-hour ahead. So we will have a brief comment
16 period with the usual ground rules. Please keep your
17 comments brief, and if somebody in front of you has made the
18 same comment, just register that you agree and you don't
19 need to repeat the whole thing.

20 MS. MARONE: I'm Barbara Marone and I'm with the
21 College of Emergency Physicians. But I wanted to make a
22 comment really on behalf of the physician community and the

1 alliance for specialty medicine. I wanted to echo some of
2 concerns that Dr. Nelson raised about a lack of any kind of
3 recognition of increased costs due to the coverage additions
4 both from the current law and the national coverage
5 decisions over the last few years. There's also been even
6 coverage that was passed in BIPA that's really not been
7 recognized as increasing the cost.

8 I think particularly if CMS is making an
9 assumption that enrollment is going to go down on the fee-
10 for-service side but no concomitant notion that there will
11 be any increase in costs due to the increasing coverage and
12 benefits and screenings, we'd like to see a little bit more
13 in-depth analysis of what that really might entail.

14 Thanks.

15 MR. CONNOLLY: Jerry Connolly on behalf of the
16 American Academy of Family Physicians. I was counting on
17 somebody else to talk about the SGR, so I want to talk about
18 something else.

19 The academy has provided the staff a very
20 important and timely paper that they will provide to you.
21 It's entitled, the new model of primary care, knowledge
22 bought dearly. This particular document, which was just

1 completed in the last couple of days, was authored by the
2 Graham Center on Policy Studies in Primary Care and Family
3 Medicine. It has relevance to three issues that you spoke
4 about and discussed this afternoon.

5 We appreciated very much the rich discussion that
6 you had relative to the issue of chronic care, disease
7 management, and even to the issue of electronic health
8 records. This document speaks to and embraces all three of
9 those concepts as well as going beyond that. We think that
10 this document, and hope that this document will help inform
11 some of your discussions and deliberations with respect to
12 those particular topics. But I'd like just to take a couple
13 of minutes to underscore some of the points that were made
14 by the commissioners today.

15 Primary care physicians do a lot of care
16 coordination right now that goes unreimbursed. As you
17 continue to observe and consider whether or not to weigh in
18 on some of the aspects of this Section 721 and the demos and
19 whether or not you weigh in on the evaluation process, we
20 would encourage, as some of you already did today, to make
21 sure that there is a doctor in this movie. Physician
22 involvement, we believe, is integral. We think it should be

1 instrumental rather than resultant or remedial. That is,
2 kind of picking up the pieces or pulling things back
3 together in terms of a coordinated fashion once some other
4 type of intervention has fallen short of comprehensive care.

5 So as you will continue to be interested in this
6 particular project and how the scale of the project, how the
7 risk, how the randomization, all those issues that you spoke
8 about and other issues that you raised today are
9 operationalized, particularly in terms of our goal, we would
10 be hopeful that the physician would not only be in the movie
11 but would be a principal actor and not a supporting role.

12 Thank you.

13 MR. HACKBARTH: Okay, thank you very much. We
14 reconvene at 9:00 a.m. tomorrow morning.

15 [Whereupon, at 5:01 p.m., the meeting was
16 recessed, to reconvene at 9:00 a.m., Friday, March 19,
17 2004.]

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MEDICARE PAYMENT ADVISORY COMMISSION

PUBLIC MEETING

Ronald Reagan Building
International Trade Center
Horizon Ballroom
1300 13th Street, N.W.
Washington, D.C.

Friday, March 19, 2004
9:05 a.m.

COMMISSIONERS PRESENT:

GLENN M. HACKBARTH, Chair
ROBERT D. REISCHAUER, Ph.D., Vice Chair
AUTRY O.V. DeBUSK
NANCY-ANN DePARLE
DAVID F. DURENBERGER
ALLEN FEEZOR
RALPH W. MULLER
ALAN R. NELSON, M.D.
JOSEPH P. NEWHOUSE, Ph.D.
CAROL RAPHAEL
JOHN W. ROWE, M.D.
DAVID A. SMITH
RAY E. STOWERS, D.O.
MARY K. WAKEFIELD, Ph.D.
NICHOLAS J. WOLTER, M.D.

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

2 MR. HACKBARTH: First up this morning is a
3 continuing discussion of long-term care hospitals. Sally?

4 DR. KAPLAN: Good morning. This presentation has two
5 purposes, first to use results from our qualitative and
6 quantitative research to answer a series of research
7 questions that we've been asking throughout our study of
8 long-term care hospitals.

9 The second purpose is to bring you results from a
10 policy analysis designed to answer the question how can we
11 better define long-term care hospitals and the patients
12 appropriate for them? At the end of the presentation we'll
13 ask you to discuss the results of the policy analysis and
14 the draft recommendation.

15 The research results I'm presenting today address the
16 three questions on the screen. As you remember in the last
17 June's report when we looked at long-term care hospitals
18 using descriptive statistics and controlling for DRGs and
19 severity level, we found that patients in market areas with
20 long-term care hospitals had similar acute hospital lengths
21 of stay whether they used long-term care hospitals or not.
22 We also found that long-term care hospital patients were

1 three to five times less likely to use skilled nursing
2 facilities, or SNFs, suggesting that SNFs and long-term care
3 hospitals may be substitutes.

4 We also found THAT long-term care hospital patients had
5 higher mortality rates and that Medicare pays the more for
6 their care. We concluded that more research was needed.

7 To better answer the research questions, we conducted
8 two qualitative and two quantitative studies. In the first
9 qualitative study, NORC and Georgetown conducted 34
10 interviews with physicians, hospital administrators, nurses
11 and discharge planners in market areas with and without
12 long-term care hospitals.

13 For the second qualitative study, physicians from 10
14 long-term care hospitals presented profiles of patients in a
15 grand rounds format. We talked about the two qualitative
16 studies at the January meeting.

17 The first quantitative study compared patient
18 characteristics on a market level. The second quantitative
19 study examined the impact of long-term care hospital use on
20 Medicare spending and outcomes.

21 I want to briefly tell you about our methods for the
22 quantitative studies. The unit of analysis is an episode.
23 Episodes begin with an acute hospitalization in the first

1 half of 2001 and end with death, readmission to an acute
2 hospital or 61 days without acute or post-acute services.
3 We had 4.3 million episodes in the full dataset. We also
4 created two subsamples to examine if the results differ for
5 patients who are more likely to be admitted to long-term
6 care hospitals. One subsample had patients with a high
7 probability of using a long-term care hospital in the top 5
8 percent probability, about 226,000 episodes. This subsample
9 is more likely to have severity level three or four,
10 mortality risk three or four, prior hospitalization, ICU
11 use, and to have certain APR-DRGs such as osteomyelitis,
12 endocarditis or tracheostomy.

13 The second subsample had patients with an acute
14 hospital diagnosis of tracheostomy and ventilator support
15 for 96 or more hours, about 20,000 episodes. There is some
16 overlap between these two subsamples. To control for
17 patients severity of illness we used every clinical variable
18 available from administrative data. We'll be presenting
19 results today for all patients and for patients with a high
20 probability of using a long-term care hospital. You should
21 know that even among patients with a high probability of
22 using a long-term care hospital, actual use is relatively
23 rare.

1 Last year, controlling for DRG and severity level, we
2 found that long-term care hospital patients had higher
3 mortality and Medicare spending compared with patients using
4 alternative settings. To be as conservative as possible,
5 this year we used three different methods to control for
6 severity of illness. We used ordinary Lee squares
7 regression and two methods that control for unmeasured
8 severity of illness, an instrumental variable approach and
9 the Heckman model.

10 Our first research question concerns the role long-term
11 care hospitals play. If long-term hospitals are present in
12 some areas and not others, this raises the question of their
13 role. You've seen a map similar to one on the screen
14 several times. This map is updated to include the new long-
15 term care hospitals established in 2003. The red triangles
16 represent the long-term care hospitals that have opened in
17 the last decade, since 1993. You can see that the long-term
18 care hospitals are concentrated in some areas. For example,
19 look at Louisiana where you see 35 long-term care hospitals.

20 Physicians and long-term care hospital administrators
21 told us that long-term care hospitals provide post-acute
22 care to a small number of medically complex patients. These
23 patients are more stable than ICU patients but may not have

1 all their underlying problems resolved at admission to the
2 long-term care hospital. Fewer than 1 percent of acute
3 hospital patients are admitted to long-term care hospitals.
4 A diagnosis of tracheostomy with ventilator support is the
5 single strongest predictor of long-term care hospital use.
6 Nevertheless, patients with tracheostomy represent only 3
7 percent of long-term care hospital cases.

8 As severity level increases, the probability of long-
9 term care hospital use increases. Regardless of diagnosis,
10 severity level four quadruples the probability of using a
11 long-term care hospital.

12 As the patient's proximity to a long-term care hospital
13 increases, the probability of using one also increases.
14 Being discharged from an acute hospital that has a hospital
15 within hospital quadruples the probability that a patient
16 uses a long-term care hospital.

17 In answer to our second research question, in areas
18 without long-term care hospitals we found that clinically
19 similar patients are principally treated in acute hospitals
20 or SNFs. In qualitative studies, physicians told us that
21 patients without access to long-term care hospitals stay in
22 the hospital longer and others go to the relatively few SNFs
23 who have the capacity to care for patients with multiple

1 complex conditions.

2 Our quantitative results support what physicians told
3 us. Our multivariate analyses, regardless of method,
4 support that clinically similar patients who use long-term
5 care hospitals have shorter lengths of stay in the acute
6 hospital compared with patients who don't use these
7 facilities. Among all patients, long-term care hospital
8 users have a six day shorter acute hospital length of stay.
9 Among patients with the highest probability of using a long-
10 term care hospital, long-term care hospital users have a
11 nine day shorter length of stay.

12 Short acute hospital lengths of stay for clinically
13 similar patients who use long-term care hospitals suggest
14 that acute hospitals and long-term care hospitals are
15 substitutes.

16 Our multivariate results also support that freestanding
17 SNFs are a principal alternative to long-term care hospitals
18 in areas with and without long-term care hospitals.
19 Overall, 24 percent of patients with the highest probability
20 of long-term care hospital use actually use freestanding
21 SNFs. For long-term care hospital users in this group,
22 however, SNF use drops 33 percent. Long-term care hospital
23 users' sharp decrease in SNF use suggest that SNFs and long-

1 term care hospitals are substitutes.

2 On average, long-term care hospital users are more
3 costly to Medicare compared to clinically similar patients
4 who use alternative settings. This is true when we use
5 multivariate models regardless of the method used. In 2001,
6 long-term care hospital patients saved Medicare money for
7 the acute hospital stay because of lower outlier payments.
8 But the same patients cost Medicare more money for post-
9 acute care and for the total episode.

10 For patients with the highest probability of using a
11 long-term care hospital, there was a positive but
12 statistically insignificant difference in Medicare spending
13 for the episode.

14 These findings are based on actual Medicare spending in
15 2001 before the long-term care hospital PPS was implemented.
16 It is possible that the combination of the PPS rates and
17 improvement in coding could result in patients with the
18 highest probability of long-term care hospital use having
19 higher Medicare spending under the PPS than in 2001.

20 Regardless of the method we used, we found that long-
21 term care hospital users had lower readmission rates than
22 similar patients treated in alternative settings. This is
23 what we would have expected considering that long-term care

1 hospitals must meet the acute hospital conditions of
2 participation. Comparison of mortality rates generally
3 raised statistical issues for all researchers and they did
4 for us. For each method we used to compare death in 120
5 days we got a different answer. Thus, the results are
6 inconclusive.

7 The main conclusions from our study are that when
8 admissions to long-term care hospitals are largely
9 unrestricted, long-term care hospitals tend to cost Medicare
10 more than patients treated in alternative settings.

11 DR. ROWE: [off microphone.] Let me interrupt for a
12 second. Does that include the effect of the reduction in
13 the readmission?

14 DR. KAPLAN: No.

15 DR. NEWHOUSE: No, if the readmission is in the same
16 episode?

17 DR. KAPLAN: No, the readmission ends the episode so
18 the money for the readmission is not in the episode.

19 DR. MILLER: [off microphone.] If you go from episode
20 to episode --

21 DR. ROWE: [off microphone.] Their point, of course,
22 is that they're preventing readmissions and so we should
23 just be clear what this includes.

1 DR. KAPLAN: One can conclude on the basis of logic
2 alone that long-term care hospitals need to be limited in
3 the types in patients they can admit so that these
4 facilities treat medically complex patients that cannot be
5 treated in less costly settings. Three issues make limits
6 even more logical under current policies, growth in number
7 of long-term care hospitals, payment rates for these
8 facilities and the financial incentives of the long-term
9 care hospital PPS.

10 Let's briefly take a look at the rapid growth in long-
11 term care hospitals. You've seen some of these numbers
12 before. In 1993 there were 105 of these facilities. That
13 number more than tripled by the end of 2003 to 318. From
14 1993 to 2001 Medicare spending quintupled from \$398 million
15 to \$1.9 billion.

16 CMS estimates spending to be \$2.8 billion this year but
17 that estimate does not take into consideration the number of
18 long-term care hospitals that have opened since 2001. As
19 the number of long-term care hospitals continue to grow,
20 these facilities may find it more difficult to fill their
21 beds with appropriate patients.

22 Long-term care hospitals are very expensive. On the
23 screen is a comparison of 2004 per discharge rates by

1 setting for five diagnoses common in and long-term care
2 hospitals.

3 In addition, the financial incentives of the PPS for
4 long-term care hospitals encourage these facilities to admit
5 patients with the least costly needs within a DRG.

6 Now Carol is going to talk to you about suggestions for
7 better defining long-term care hospitals and the patients
8 appropriate for them.

9 MS. CARTER: We had several goals in mind in developing
10 examples of criteria for long-term care hospitals. First
11 and foremost, we wanted to clearly distinguish long-term
12 care level of care from other settings. We wanted the
13 criteria to be feasible to administer and monitor, both for
14 the hospitals and for CMS. The criteria should establish
15 clear expectations and hold providers accountable for their
16 actions. The criteria should also reinforce provision of
17 high quality of care. And in the longer term, the criteria
18 should facilitate adoption of common patient assessment
19 tools and a classification system across all post-acute
20 care. Further, the criteria must be consistent with the
21 payment policies of other PPS's.

22 During our site visits and numerous interviews with
23 clinical and administrative folks from various long-term

1 care hospitals we were consistently told about the features
2 of long-term care hospitals that distinguish these
3 facilities from other settings, notably SNFs and rehab
4 facilities. They told us that they have sicker patients and
5 that the majority of their patients were likely to improve.
6 They frequently use admission criteria to screen patients
7 who need this level of care.

8 Many told us that they require daily physician
9 involvement with all of their patients. Active physician
10 involvement was a key distinguishing characteristic of this
11 level of care. The level of nursing care that they provided
12 was fairly intensive, ranging from six to 10 hours of
13 licensed nursing hours per day. They had respiratory
14 therapists available 24 hours a day. They had physical,
15 occupational, speech and respiratory therapists on staff.

16 Finally, they told us about how the care in their
17 facilities was organized, that they have multidisciplinary
18 teams who prepare and carry out treatment plans.

19 Building on these, we developed examples of facility
20 and patient criteria that could be used to ensure that long-
21 term care hospitals treat medically complex patients who
22 have a good chance of improvement.

23 You can see we've outlined the kinds of criteria we

1 think are reasonable for facilities to have to meet in order
2 to be paid as long-term care hospitals. Each hospital would
3 have to have a patient review process that screens patients
4 prior to admission, periodically assesses the patient
5 throughout the stay and assesses the available options when
6 the patient no longer meets the continued stay criteria.

7 The purpose of this is to ensure that each facility has
8 a clear and uniform process for evaluating patients.

9 Another criteria would state that all long-term care
10 hospitals move towards using a uniform patient assessment
11 tool that is valid and clinically reliable. Many facilities
12 already use an assessment tool. So what we're talking about
13 is moving the industry towards using the same tool that
14 emphasizes a clinical assessment of the patient.

15 The Secretary could evaluate these various assessment
16 tools and choose the best one that determines whether or not
17 the patient is appropriate for placement in a long-term care
18 hospital. The purpose of this criteria would be to the
19 extent possible to ensure consistency across facilities in
20 how patients are assessed.

21 Another criterion requires multidisciplinary care
22 treatment planning that establishes patient-specific care
23 plans. Given the patient population, these hospitals would

1 be expected to have would care experts, respiratory
2 therapists, end of life counseling and home ventilator
3 training depending on the mix of the patients that they
4 treat.

5 For the near term, we think that the current average
6 length of stay requirement should be retained. Over time
7 the patient criteria would clearly start to delineate the
8 patient population appropriately treated in these settings
9 and it would make sense to reevaluate this criterion.

10 Another criterion would state that there would need to
11 be daily physician presence in the care of patients. This
12 criterion would delineate the kinds of activities that would
13 be expected for physicians to play. For example, care
14 planning, daily patient assessments, and if needed,
15 performing medical interventions.

16 Another criterion notes that facilities should wean the
17 majority of their ventilator dependent patients. A
18 criterion should be developed regarding a weaning success
19 rate.

20 Facilities specializing in rehabilitation or
21 psychiatric care should not be long-term care hospitals and
22 we'll come back to this when I discuss the patient criteria.

23 Up on this slide you see examples of patient criteria.

1 National admission and discharge criteria would be developed
2 for each major category of patients. Examples of major
3 categories are medically complex patients and respiratory
4 patients. These criteria would specify clinical
5 characteristics such as blood pressure, respiratory
6 insufficiency or the presence and severity of open wounds.
7 They would also delineate the need for specific treatments
8 such as IV medications, fluid administration, telemetry,
9 pulmonary monitoring, ventilator support, TPN feeding or GI
10 suctioning, depending on the patient category. Patients who
11 do not meet the admission criteria should be admitted to a
12 different level of care.

13 Discharge criteria for each type of patient would be
14 specific to the discharge destination. Criteria for
15 patients headed to SNFs would be different for those
16 patients headed home. The purpose of this would be to
17 ensure appropriate patient placement.

18 Another patient criterion could be to require that a
19 high share of patients, for example 85 percent, must be
20 classified into major categories of patients. The major
21 categories could include things like respiratory, complex
22 medical, wound care, ventilator weaning, infectious disease
23 and cardiovascular patients. A long-term care hospital

1 could not have a high share of patients classified as
2 rehabilitation or psychiatric.

3 A severity criterion would ensure that long-term care
4 hospitals treat the most severely ill patients. For
5 example, a criterion could require that a high share, again
6 say 85 percent, of patients in each DRG should have a high
7 severity level, something like the APR-DRG level three or
8 four. Again, we're trying to make sure that patients are
9 treated in the most appropriate and cost-effective setting.
10 Patients who are less sick can be treated in other less
11 costly settings.

12 Our last example criterion has to do with the nursing
13 hours per patient day. This criterion is another way to
14 ensure patients require an intensive level of care. The
15 minimum should be comparable to a step-down unit in a
16 hospital, something like six-and-a-half hours of nursing
17 hours per patient day.

18 I should probably note that some of these criteria
19 would need to be updated over time as practice patterns
20 change.

21 On this slide you can see the draft recommendation.
22 Long-term care hospitals should be delineated by facility
23 and patient characteristics that ensure that patients

1 admitted to these facilities are medically complex and have
2 a good chance of improvement and cannot be treated in other
3 less costly settings.

4 Facility level criteria should characterize this level
5 of care by features such as staffing, patient evaluation and
6 review processes and the mix of patients. Patient level
7 criteria should identify specific clinical characteristics
8 and treatment modalities.

9 Before you begin discussing this material, I wanted to
10 make a couple of closing comments. First, we understand
11 that developing criteria is one way to ensure that long-term
12 care hospitals that are already out there treat the kinds of
13 patients who need this level of care. But we also want to
14 point out that it will be important in the longer term to
15 make refinements to existing PPS'S for acute care hospitals
16 and SNFs. As currently designed, these payment systems may
17 have had the unintended consequence of encouraging long-term
18 care hospital growth. Refinements to both acute care
19 hospital PPS and the SNF PPS are needed to more accurately
20 match payments to patient resource requirements. This will
21 help reinforce decisions about where patients are treated
22 being made on clinical factors and not financial
23 considerations.

1 On the inpatient side, there are three policies that
2 warrant further analysis. The single most important feature
3 of a payment system to ensure that payments match patient
4 resource requirements is the classification system. In the
5 hospital PPS, a classification system that reflects the
6 severity of patients would improve the accuracy of payments
7 and make hospitals financially neutral to treating the
8 complex cases that they currently may transfer to long-term
9 care hospitals. This is also likely to lower the number of
10 outlier cases that get transferred to long-term care
11 hospitals.

12 The second policy that warrants examination is the
13 current outlier policy. That is the threshold level and the
14 cost-sharing requirements. These may contribute to
15 hospitals unbundling care to long-term care hospitals.
16 Adjusting the outlier threshold and/or the cost-sharing
17 arrangements could make hospitals less prone to transfer
18 cases that they could treat themselves. These refinements
19 warrant further examination.

20 Third, strong rules regarding hospitals within
21 hospitals are needed to ensure that hospitals do not
22 discharge patients prematurely for financial gain. CMS has
23 expressed concern about hospitals within hospitals and we

1 look forward to seeing what they do to ensure that these
2 facilities facilitate appropriate clinically based
3 decisionmaking.

4 On the SNF side, we and others have noted the
5 shortcomings in the current RUGs classification system.
6 Refinements that better target payments to medically complex
7 patients and away from being driven by the provision of
8 therapy services may increased SNFs to admit certain types
9 of patients who could be more appropriately treated in a
10 lower cost setting.

11 This ends our presentation. I'd like to open it up for
12 discussion.

13 DR. NEWHOUSE: I had a number of technical comments
14 that I gave to Sally and I don't want to go into here, but I
15 do think the question Jack raised is important. And I think
16 that what it implies is that the data defining the episode
17 should be changed so that the episode ends with either death
18 or no institutional care for 60 days. That is, it would
19 conform to the Medicare spell of illness definition so it
20 would pick up the readmission expenses.

21 And I'm going to assume that this change won't affect
22 the results, at least the qualitative results, and what I
23 say next. But if it does, we'll go from there.

1 I'm fine with the draft recommendation. I think we
2 should say that it's similar in spirit to the regs on rehab
3 use where we've defined that the patient using the rehab has
4 to have three hours of active therapy a day. That's the one
5 I'm thinking of in particular. I don't know if we want to
6 go to 75 percent have to be in one of 10 diagnoses or not.
7 I think that some reference to that might be helpful.

8 Beyond the recommendations that you are proposing, I'd
9 like to see us be a little more aggressive what you're
10 calling the longer run agenda. I don't see any reason why
11 we shouldn't recommend a moratorium on the hospitals within
12 hospitals. That seems to me to be just a device to game the
13 system and I'm with CMS and the text here. I just would go
14 stronger on a recommendation.

15 And then finally, assuming that the finding that areas
16 with LTCHs have shorter acute lengths of stay is still there
17 once you account for the readmission, I think we should put
18 in a longer run agenda some consideration about both
19 bundling the post-acute care and about debasing the PPS,
20 which would be implied if care is shifting out of the
21 hospital by unbundling.

22 MR. MULLER: Sally, Carol, I find this a very helpful
23 elaboration about what we know about these populations. Yet

1 I'm still struck by what we discussed last year and what you
2 had in one of your earlier slides about the concentration in
3 a few states. So when you think about these criterion and
4 this population, you ask yourself why is this not happening
5 everywhere? So there's a variable here that we're not
6 getting at, which is why is it happening in Louisiana and
7 Indiana and a few other states like that?

8 Because if, in fact, these patients needed care -- I
9 think there were like two triangles in California in terms
10 of new facilities and I think you said 37 in Louisiana. So
11 there's obviously some overarching variable here in terms of
12 why they're going on in certain settings with I think
13 probably has to do with certain groupings. I'm trying to
14 remember what we knew about ownership and so forth but my
15 guess is there's a concerted thrust to go into certain
16 settings irrespective of patient needed.

17 So I'll ask you to comment on that because it is so
18 puzzling that essentially I think there's very few
19 triangles, to use the code for the new facilities, west of
20 the Mississippi aside from Louisiana. So what's going on
21 here that is kind of irrespective or not tied to patient
22 need at all?

23 DR. KAPLAN: I'm not 100 percent sure about what's

1 going on. I think that it's possible that the areas that
2 don't have long-term care hospitals either -- in some areas
3 it's an issue of population. One thing we heard when we
4 were out in the field was at least some of the long-term
5 care hospital major players required a density of Medicare
6 population, Medicare beneficiaries in an area before they
7 would set up a long-term care hospital there. So that may
8 be one factor.

9 These are predominately for-profit. The new ones, in
10 particular, are for-profit facilities. The most recent
11 growth has been in hospitals within hospitals which may
12 indicate that a certain type of acute hospital is opening
13 these facilities more frequently than others.

14 We haven't really looked at that yet.

15 MR. MULLER: [off microphone.] Obviously you have
16 density in LA, in San Francisco, in Chicago and New York.
17 And we can just go around the country.

18 MS. DePARLE: But I think the industry also says, in
19 some cases there are CON requirements in some states and not
20 in others and it kind of parallels -- for better or worse, I
21 think it kind of parallels the growth we've seen in other
22 newer providers or newer services. For better or worse.

23 But I don't think you can just assume based on -- I

1 agree the number in Louisiana is curious, but I don't think
2 you can assume based on where they've developed that there
3 are not appropriate patients. I think that one thing
4 they've said, as Sally said, is that they need to have a
5 certain density of the Medicare population in order to
6 ensure there are enough appropriate patients.

7 MR. MULLER: But there's more than five states with a
8 density of Medicare population --

9 DR. REISCHAUER: But they'd be all over the board if
10 that were the case.

11 MS. DePARLE: That has very difficult CON requirements.
12 I asked that specific question and that's the answer I got.

13 MR. MULLER: Half of the states have CON, half don't.
14 I just find it puzzling that five states have all this and
15 45 don't. So it strikes me the overarching variable here is
16 something else aside from characteristics of a patient and I
17 think we should -- whether it's Joe's recommendation on not
18 having a hospital within a hospital but basically there's
19 something else going on in 45 states that indicates they
20 don't see the patient need for this.

21 So I think we should keep trying to figure out what it
22 is. My guess is there's nothing in the patient
23 characteristics of those five state that explains why they

1 developed there versus not having developed in the other 45.
2 So there's something else going on here than patient need.

3 MR. DeBUSK: I certainly disagree with a moratorium on
4 the hospitals. I think they serve a special need for such a
5 group of people and I think we're in an evolutionary process
6 where the care for these sick patients is getting better.
7 That's probably what we're seeing. I think the certificate
8 of need states and that play is having an effect on it but I
9 think it's an evolving situation.

10 In the examples of facility level criteria, Sally could
11 you expand a little bit on the comment no specialization in
12 rehabilitation?

13 DR. KAPLAN: There are a few long-term care hospitals
14 that specialize in psychiatric care. They have more than 50
15 percent of their cases that are psychiatric. I believe it's
16 about five long-term care hospitals.

17 MR. DeBUSK: Psychiatric, I'm not --

18 DR. KAPLAN: Also, there are a few hospitals that also
19 -- or not also but that respectively specialize in rehab,
20 where 50 percent of their cases are rehabilitation cases.
21 Our thought is that those should be rehab hospitals rather
22 than long-term care hospitals.

23 If you look at the difference between major joint

1 replacement in a rehab hospital and a long-term care
2 hospital, the payment is \$50,000 a case. And there is
3 definitely an incentive with no restrictions to have these
4 people go to long-term care hospitals rather than rehab
5 hospitals. So we feel that not only is patient criterion
6 needed but that we need to basically say these should be
7 rehab hospitals. If that's what they primarily do is rehab,
8 they should be rehab hospitals.

9 MR. DeBUSK: Thank you. I understand.

10 DR. NELSON: One of the things that seems to
11 characterize these institutions is a greater level of
12 physician and nurse direct involvement on a daily basis. It
13 may be that if they have indeed better outcomes, that we
14 need more rather than fewer.

15 So my question is I know that you referenced outcomes
16 with respect to readmission rates and death rates. But are
17 there any data on the clinical outcomes such as success at
18 weaning from respirators, wound healing, endocarditis cure
19 rates, functional capability after treatment for joint
20 replacement? Do they have clinical outcomes that are
21 superior as a result of the increased professional
22 involvement?

23 DR. KAPLAN: None of that data is available that you're

1 talking about. There is no assessment instrument for these
2 facilities at this time. To get the kind of information
3 that you're talking about it you'd need either a patient
4 assessment instrument and/or a medical record abstract
5 basically, to see whether there was a cure rate or whatever.

6 The only outcomes that we really could measure from our
7 data that we had were readmission and death.

8 DR. NELSON: It seems to me that one of the
9 recommendations that we might consider is that there be,
10 without undue burden, that we try and have a few of those
11 measurement characteristics collected. We do for our other
12 delivery systems and it seems to me that if we're going to
13 make a case one way or another against these we have to
14 determine whether the increased investment results in
15 improved outcomes.

16 MR. DeBUSK: I like your approach where you ended up.

17 DR. KAPLAN: Thank you. That's really our intention
18 when we talk about having a standard patient assessment
19 instrument. Part of the assessment instrument would be to
20 determine whether these people were appropriate for
21 admission. But also if you assess them at admission and at
22 discharge, you then could measure quality.

23 One of the criteria that we did mention was a weaning

1 success rate so that they would be required to have a rate
2 above a certain level.

3 DR. NELSON: [off microphone.] I would make that very
4 explicit.

5 DR. MILLER: Could I say just one thing about that? It
6 may be early to say what the criteria should be on a weaning
7 rate. I think what we are more saying and to follow up on
8 these outcome measures is to say that they need to be
9 developed. But there's not actually a lot of standards out,
10 I don't think, on a lot of these specific outcomes. So you
11 would use this assessment instrument to try to get the
12 information and then drive the criteria, I think would be
13 the process.

14 DR. ROWE: I'm not a pulmonologist and maybe somebody
15 else can help here, but I'm a little concerned about the
16 weaning success rate requirement because it may be that that
17 will lead these institutions to select against certain
18 patients who, in fact, could get optimal care in this
19 setting because of the resources available in this setting
20 and the expertise of nurses to deal with patients on
21 ventilators with tracheotomies, et cetera. We don't want
22 those patients to have limited access to these resources
23 because they're judged to be chronically dependent on

1 ventilators and not to get weaned. Where are they going to
2 go? Where else are they going to go?

3 I don't know, Nick, if you have any thoughts about
4 this. You have more experience than I, but I'm a little
5 concerned about that and how we would deal with that.

6 DR. WOLTER: I do think it would be very hard up front
7 to categorize the patients to be compared because they're
8 chronically quick critically ill to start with. And so some
9 of them are weanable and others aren't. It would be almost
10 hard to do the compare group.

11 I would say in the institutions we visited, they have
12 wean rates. They track all of this stuff. They have their
13 own institution-specific information.

14 What we can't really do very well is to compare that
15 with a patient who might stay in an acute care setting and
16 has sort of the same approaches taken. We just don't have
17 databases to allow us to do that.

18 DR. MILLER: Could I just add one thing? From our
19 visits I think they are making these assessment on patients.
20 They will look at a patient and say I think this patient
21 does have a good chance and so we'll take one, and other
22 patients not. So I think we're trying to recognize what is
23 happening there and then bring a little more...

1 DR. ROWE: Thank you.

2 DR. REISCHAUER: But even if they're doing that, the
3 incentive that Jack raises isn't there now but would be
4 there after you set this criterion. That's the issue, not
5 that they have the capacity to do this evaluation.

6 DR. MILLER: Let me go back to the comment I was making
7 a second ago on the outcomes in general. It's very murky on
8 what the guidelines and standards are at this point. What I
9 think we're really try to say with this criteria is to begin
10 to collected it so that you can look at the outcomes of
11 patients and begin to ask whether there is a big difference
12 between this setting and somebody who goes to a different
13 post-acute setting or stays in the hospital. To Nick's
14 point, the ability to compare to a different setting.

15 I don't think we would say the criteria has to be a 60
16 percent wean rate. I don't think we would end up saying
17 something like that. We would say this is something that
18 the industry should drive towards, I think is what we're
19 thinking.

20 DR. KAPLAN: I think the concern is we don't want long-
21 term care hospitals, which are very expensive facilities, to
22 become warehouses for people who are on ventilators and have
23 no opportunity to be weaned. The long-term care hospitals

1 clearly told us in our site visits that they basically do
2 assess patients and only take patients who have a good
3 chance of being weaned. And they don't represent that they
4 always succeed, but they do represent that they -- at least
5 most of the facilities that we visited -- that they
6 succeeded more often than they failed.

7 DR. ROWE: Where would the patients go who are judged--

8 DR. KAPLAN: They go to the SNF. The patients who do
9 not wean go to SNF.

10 MS. RAPHAEL: Where we also think they're not being
11 paid for --

12 DR. KAPLAN: Basically we did say that that's why the
13 SNF PPS needs to be fixed. We don't think this is just one
14 little fix that we have to do. We think there are lots of
15 fixes that have to go on.

16 DR. NEWHOUSE: I want to come back to the reimbursement
17 issue and the moratorium issue. Let me remind people how we
18 got this category. It's not like a new category of hospital
19 came onto the scene. It's that when we started the PPS we
20 decided to use a per stay reimbursement method through the
21 DRG. And there was a group of very heterogeneous hospitals
22 out there that existed at the time that had very long
23 average length of stays. And they were going to get creamed

1 by paying them an average per case payment that was averaged
2 over all short term general hospitals. So we said all
3 right, we'll just kind of set them aside and try to deal
4 with them later. And later has been later and later and
5 later, and here we are. But in the meantime, this group has
6 seen some entry.

7 That's how we got there. Now the question is what
8 would happen to these patients or does happen to these
9 patient when there's not one of his hospitals available?
10 The answer is presumably they're treated in, Sally said, the
11 SNF. But also there's nothing that stops treatment in the
12 acute care hospital of these patients. And I would assume
13 that in an acute phase that's where they are in the white
14 areas that Ralph is talking about on the map. They are
15 therefore in the PPS in those areas.

16 And implicitly, the base rate for the PPS includes
17 these patients. And there's nothing that I can see that
18 precludes the same clinical care in the acute care hospital
19 that is going on in the long-term hospital.

20 So the reason I was asking for a moratorium would be
21 analogous to the specialty hospital moratorium is that I
22 don't see any economies, in fact I see costs, in paying for
23 this care in a separate facility, let alone a separate floor

1 that I relabel a long-term hospital within a hospital
2 instead of just calling it a unit of the acute care hospital
3 like the coronary care unit where we pay, in effect, as part
4 of the PPS.

5 MR. MULLER: Empirically, it's the ones in the acute
6 care hospital, in the two hospitals I'm very familiar with,
7 this was the DRG with the biggest loss by a factor of about
8 five. These obviously are the patients who stay there a
9 long, long time and it's at the far end of the distribution
10 of losses by a major factor.

11 DR. NEWHOUSE: So maybe we need to fix the PPS for that
12 reason because there is this loss in those other areas.

13 MS. DePARLE: When you say the biggest loss, is it the
14 ventilator patient? Is that the DRG you're talking about?

15 MR. MULLER: DRG, I think it's 483 or 283, I'm trying
16 to remember, but the losses are five or six times.

17 MR. DeBUSK: The hospitals are making plenty of money.
18 They can take some more loss then, can't they?

19 MR. HACKBARTH: Nick, is it on a specific point? If
20 not, I've got a number of other people in the cue and I'll
21 put you in. Can you wait?

22 Ray?

23 DR. STOWERS: My maybe reaching redundancy but I think

1 it kind of wraps up what Joe and the others are talking
2 about. I think we need not to lose track of this one
3 paragraph on page 16 that talks about the mandated fixed
4 loss that happens with these outlier patients and why that
5 might have brought about what we're talking about today.

6 And I think that loss goes way above what that fixed
7 loss is with the outlier on these respiratory patients may
8 be the three or four times that. I think maybe a policy
9 question for us here is are we better to have in the future
10 a continued proliferation of these in-hospital long-term
11 hospitals or to work towards fixing how we're going to take
12 care of these patients under the DRG system with the
13 outliers? Which is better in the long run for the patients?
14 Which is better cost to Medicare? That kind of thing.

15 Because I think our payment policy is what is brought
16 about these hospitals and maybe very justifiably so, because
17 we've induced this big loss on this group of very needy
18 patients.

19 So maybe that's where we ought to be going, which would
20 be better, to work on that or to work on continuing to
21 support these hospitals with all of the details that go with
22 that?

23 MR. FEEZOR: Ray just made some comments that I thought

1 were right on target. And then the other thing my namesake,
2 Dr. Nelson down there, in terms of focusing our standards on
3 the clinical outcomes and the patient is where we should --
4 even though we have to be mindful of the payment side.

5 I wonder if, following up on Ray's comments, I wonder
6 if we really aren't facing the ultimate intergovernmental
7 conundrum here, the fact that states whose monies are at
8 risk, significantly at risk in the availability of SNF beds
9 try to restrain. And on the Medicare side the only
10 alternative may be to develop these new capacities since
11 there is a shortage, I think, in many areas.

12 I think we're on the edge of a real boom. I think
13 Joe's comments and admissions about what is likely to be
14 facing us, given some lack of either restrictions or real
15 consideration. My point is I think not just for-profit, not
16 just in certain geographic areas, Ralph, but I think the
17 pressures among a lot of the hospital systems are to really
18 look very, very favorably on these.

19 I think in addition, particularly in those states where
20 there has been some excess capacity leftover from the late
21 '90s, I think those are tinder boxes waiting to be ignited.
22 And in fact, have seen a couple of sales promotions aimed at
23 hospitals that have some excess beds, particularly in

1 certificate of need states, that suggest this is a way to
2 help your existing hospital as well as use some unused
3 capacity.

4 So I think it certainly would be the recommendations of
5 staff, I think, to move for some standards, standards that
6 should though be focused more closely on the patient
7 outcomes are in order. I do think that we, in April, ought
8 to debate Joe's comments about some sort of restriction or
9 moratorium on growth very seriously.

10 MS. DePARLE: Thanks. I want to thank the staff for
11 all the work that you've put into this over the last year
12 and the visits that were made to the LTCHs because I think
13 that's important in developing our understanding of this.

14 I think the recommendations are good. I really liked
15 Alan Nelson's idea of doing everything we can to move more
16 in the direction of both collecting information and trying
17 to get to some sort of outcomes measures that would move us
18 in the direction of better quality of life and functional
19 capacity for these patients. So I think it's great.

20 We have to start somewhere. As Mark says, we have
21 nothing right now. We have a type of hospital that Joe has
22 described the genesis of, but where the only criteria --
23 it's where it's very expensive and the only criteria is a 25

1 day average length of stay for Medicare patients. So we
2 have to go somewhere. I think this is a very good start.

3 I'm not prepared at this point to say that I think
4 there should be a moratorium on this because I don't think I
5 have enough evidence that that's what needs to happen, but I
6 do think these recommendations are good.

7 I'm not clear and I guess I should be, Mark, on what --
8 does CMS have the authority to, if we were to make
9 recommendations, to just do these things? Or does this take
10 a change in the law?

11 DR. MILLER: We were thinking through that issue and I
12 guess I'll take a shot. I thought that there was probably
13 some mix here of both legislative and administrative
14 actions. I think lots of this can be done administratively
15 but there's probably pieces of it that cross over into
16 legislation. I'd take a nod or a shake of the head down
17 there if anybody wants to...

18 MS. DePARLE: It seems to me the assessment, they could
19 just say we're going to start doing this. It's not easy to
20 do that but you could develop that. New criteria, I'm not
21 so sure whether they could do that.

22 DR. MILLER: I think the criteria -- and I really don't
23 know the precise answer to your question. But I think if

1 you start getting into criteria on from these DRGs,
2 proportions of your patients, that kind of thing, I think we
3 may be then crossing over into legislation. Again I think
4 probably the best answer is we've raised this question for
5 ourselves. But we have not drilled through it.

6 MS. DePARLE: One more thing, this PPS was supposed to
7 be budget neutral; correct?

8 DR. KAPLAN: Yes, ma'am.

9 MS. DePARLE: So what does that mean? You made the
10 point, Sally that the 2004 projections did not take into
11 account the growth in the number of facilities. I thought I
12 understood what budget neutrality meant but then I started
13 thinking about it. Does it mean budget neutral versus those
14 projections?

15 DR. KAPLAN: It means budget neutral with what would
16 have been paid under TEFRA but it does not take into
17 consideration growth. It takes into consideration growth in
18 beneficiaries and the market basket. But it does not take
19 into consideration opening new facilities or more patients
20 and more beds.

21 DR. NEWHOUSE: [off microphone.] Or the unbundling of
22 the PPS.

23 DR. KAPLAN: Exactly.

1 MS. DePARLE: So if spending is, in fact, higher than
2 what was projected though, just like everything else there's
3 not a mechanism to go back and say oh, but wait a minute.

4 DR. KAPLAN: No.

5 MR. DURENBERGER: First, I would just like to add my
6 complements to the staff because I know how much work really
7 went into this, and Mark, you two.

8 I have two questions that I didn't hear addressed and
9 then I associate myself with the comments relative to the
10 moratorium by saying I do believe -- and I don't know what
11 the answer is either -- I do believe there's a distinction
12 between co-located and independent. I wouldn't be prepared
13 to vote on it today because I think we ought to have more
14 information on it, but I think it probably ought to be here
15 and we probably ought to have a specific recommendation to
16 make.

17 My two questions relate, one to patient safety and
18 employee safety issues. I don't recall hearing anything
19 about either of those. I don't know the degree to which in
20 a qualitative or a quantitative study those issues get
21 raised and whether you're comparing an LTCH with a regular
22 acute care hospital. But my experience tells me,
23 particularly with the nature of some of these patients -- I

1 recall on one of my visits seeing a 450 pound man, and the
2 challenge that just that particular issue presents.

3 So I say both employee and patient safety issues
4 because I'm making some assumptions about the more
5 specialized hospital perhaps having a much better record but
6 I don't know the answer to it.

7 The second one, which I recall from way back in the
8 mid-'80s when I piggybacked on Joe's explanation to sort of
9 expand a little bit the definition of an LTCH, at that time
10 the admissions were being reviewed by the PROs, as I recall,
11 in their scope of work. For whatever reason I don't think
12 it's any longer included. So I think we have fiscal
13 intermediaries doing the review? Could you comment on both
14 of those, please?

15 DR. KAPLAN: First of all, in the patient and employee
16 safety, I have no information on that at the moment.

17 As far as PRO or they are now called QIO review, they
18 really are not reviewing admissions. They are reviewing a
19 randomly selected, starting this past January, a randomly
20 selected sample of 116 claims to review because of coding
21 and a review of medical necessity. And that's basically it.

22 There's very little review by the FIs of these. In
23 fact, I was at a meeting of the FI Medical Directors and was

1 told by the medical director of one of the primary FIs that
2 has long-term care hospitals. And he said that they had
3 received a letter from CMS, double-signed, whatever that
4 means -- telling him not to review the claims. I don't know
5 what that means. It had two signatures on it instead of
6 one.

7 DR. REISCHAUER: Sally and Carol, I think this is both
8 an interesting and a sophisticated piece of analysis and I
9 would hope when a few adjustments were made to reflect both
10 Jack and Joe's concerns that you try and publish this into a
11 peer-reviewed journal because I think it has the elements of
12 an interesting contribution to the literature.

13 I just want to piggyback on what they were talking
14 about and ask a bit about how we should be judging costs
15 when we compare these hospitals with acute care hospitals
16 and wondering whether we should be looking at patients with
17 the same diagnoses who stay in acute care hospitals more
18 than 20 days versus this set before we jump to conclusions
19 about how expensive they are.

20 And then when we talk about the patients in these
21 hospitals are more expensive than they would be if they were
22 treated in acute care hospitals. When we reflect on the
23 fact that a large fraction of them would be outliers in the

1 acute care hospital and they might look a lot cheaper in
2 that form because somebody else is paying part of the cost
3 here and we should be really concerned about sort of total
4 resource use in the two settings, not the anomalies of a
5 payment system. And we've reflected on the fact that the
6 payment system really isn't "fair" maybe for these kinds of
7 patients in acute care settings. But we say all oh, but
8 they're cheaper than that unfair system and make a policy
9 recommendation on those grounds.

10 The other thing that I was interested, just a comment
11 on Ralph's, you know, where these things are. I don't know
12 if the little diamonds within states are located sort of
13 where the actual hospitals are, but there's a lot of the
14 these that are in nowheresville. So the notion that you
15 need sort of large population -- oh, excuse me, Mary. I
16 forgot Devil's Lake.

17 But they're out in the middle of the Plains in Texas
18 and things like that which sort of makes you think that this
19 isn't large concentrations of Medicare eligible folks.

20 But I was wondering, I might have missed it in the
21 chapter, but what's the average bed size of these things?
22 Particularly the hospitals within the hospitals? And are
23 there admissions from other hospitals to a hospital within a

1 hospital? Or is this just channeling all of the people from
2 that hospital on to another floor of that hospital?

3 Because you might judge these things very differently
4 if they're taking admissions from a catchment area of some
5 kind, and you might want to know sort of are there real
6 economies of scale here because you laid out a set of
7 services and competencies that many acute care hospitals
8 just can't have, particularly smaller ones. They might
9 serve a valuable function.

10 DR. NEWHOUSE: [off microphone.] How would they get to
11 20 days in the first hospital? Wouldn't they be transferred
12 right away?

13 DR. KAPLAN: Let me address a couple of Bob's questions
14 if I may. First of all, on the map the diamonds and the
15 squares and the dots are where the hospitals are located.
16 That's their ZIP code. So that's one question

17 Average bed size, I can tell you hospitals within
18 hospitals have fewer than 50 beds. And some of them have
19 considerably less than that. Some of them have only 10 or
20 20 beds. It varies quite a bit.

21 DR. REISCHAUER: Should one of the criteria be a
22 minimal bed size because it suggests that if it's 10 beds
23 then you are really using resources that are probably dual

1 functions and are operating within the other hospital as
2 well, I would think. It is just uneconomical to run
3 something like this at that small a level, I would think.

4 DR. KAPLAN: Let me answer your question on the primary
5 refer. With the work we did in the last year for the 2003
6 June report, we found that hospitals within hospitals
7 receive 61 percent on average of their cases from the
8 primary refer, which is the host hospital. The long-term
9 care hospitals have a relationship, even the freestanding
10 ones have a primary refer. On average they receive 40
11 percent of their cases from the primary refer. So there is
12 a stronger relationship with the hospitals within hospitals
13 but there is a relationship for the freestanding, as well.

14 MR. HACKBARTH: Sally, what proportion of the triangles
15 are hospitals within hospitals?

16 DR. KAPLAN: I don't have a percentage on the tip of my
17 tongue for you now. I will have that in April. But the
18 majority of the new hospitals are hospitals within
19 hospitals. Almost all of the hospitals established -- in
20 fact, CMS made a comment in this most recent proposed rule
21 that all of the long-term care hospitals established since
22 the PPS was implemented are hospitals within hospitals, but
23 I can't give you a firm percentage.

1 MR. MULLER: But go back to my previous point in the
2 questions that Glenn and Bob are now raising, if there were
3 that incentive to create them within the hospital, that
4 incentive should be nationwide, as a way of clustering those
5 patients that I referred to earlier. So again, I'm puzzled
6 as to why they're just here, because insofar these are the
7 expensive patients and the real outliers. And we know the
8 outliers basically pays 34 percent of the cost of outliers
9 cases. So there's a real incentive to go in that direction.

10 So why don't 50 states do that? Almost every acute
11 hospital in some sense, of any scale, would have this kind
12 of incentive.

13 DR. NEWHOUSE: But wouldn't it also have the
14 capability? That is, Bob seems to be an envisioning some
15 kind of specialized unit that what have an economy of scale.
16 But if that were the case, then I would have thought we
17 would have seen transfers very early in the stay of such a
18 patient like we might see a transfer of a patient to a
19 hospital they could do angioplasty from a hospital that
20 didn't have that capability.

21 But as I understand these patients, they are in the
22 hospital they're admitted to for quite a few days. And then
23 they're transferred to the long-term hospital within a

1 hospital or a separate hospital. I think some of the
2 hospitals since '93 are separate stand-alone hospitals.

3 And I agree with Bob that the issue should be the total
4 resource cost here. But just on the face of it it would
5 seem that if you have a separate bricks and mortar building,
6 separate from the acute care hospital, that that's going to
7 cost more in resources. And if you have just a separate
8 unit within the hospital, in principle the PPOs was set up
9 to encompass those resource costs in its reimbursement.

10 Now the incentives are screwed up as Ray said, but then
11 that goes to working on the PPS incentives rather than
12 trying to, in effect, give the hospitals incentive to game
13 the system by relabeling some floor as the long-term
14 hospital within the hospital, or even worse building another
15 building down the block.

16 MR. HACKBARTH: But Joe if the rapid growth of the
17 hospital within hospital is a byproduct of flaws in the
18 inpatient PPS system and/or an effort to unbundle, how do
19 you respond to Ralph's point that if that's what's driving
20 this you would expect it to be evenly distributed across the
21 U.S.?

22 DR. NELSON: Glenn, I think it's a mistake to consider
23 this as a homogenous group. There are almost certainly some

1 of these facilities that say that they provide a different
2 service, that fixing DRG for long-term stay in the
3 traditional hospital setting doesn't get at what they do,
4 which they may purport to be multidisciplinary teams of
5 experts in a relatively small number of tough kinds of
6 clinical conditions.

7 I'm not saying that that's the majority of them. But I
8 am saying that some of that will make that case, that they
9 are not providing the same service that a longer stay in an
10 acute hospital would provide.

11 MR. HACKBARTH: And I'm very open to that. Just
12 instinctively I'm open to the notion that there are new ways
13 to do things and some specialization. You may come up with
14 something that's better for patients. So I'm not
15 reflexively closed to it.

16 I am concerned about the set of issues that Joe raised
17 early on about whether, in fact, a lot of this is a function
18 of payment failures in inpatient PPS in an effort to get
19 around that. But then I think Ralph has made a very
20 compelling -- and about SNF.

21 But I think Ralph has made a very compelling point that
22 the geographic distribution doesn't seem to be consistent
23 with that.

1 MS. RAPHAEL: Glenn, has there been any change in
2 geographic distribution except for states that have CON in
3 the recent years? Have we seen any spread? Or are the
4 newer facilities concentrated in the same areas as the older
5 facilities?

6 MR. MULLER: Why would California have three and New
7 York have none? I mean, there's a big Medicare beneficiary
8 population in those two states. I think Joe's point has
9 some intellectual appeal but then you start seeing the
10 behavior and it's inconsistent with that because, in fact,
11 that should be -- and I agree with Alan's point, this
12 population -- and maybe Carol and Sally know what proportion
13 of this population really could also be in an acute facility
14 versus needing this kind of care. But the geography still
15 puzzles me.

16 DR. NEWHOUSE: Why is it inconsistent? Why is the
17 geographic concentration inconsistent with this?

18 MR. MULLER: Because then, if that incentive were
19 there, it would be an incentive around the country not just
20 in a few states.

21 DR. NEWHOUSE: But that's true of the clinical side,
22 also. If you want to say there's a specialized capability
23 that's better, then why is that concentrated?

1 MR. MULLER: I'm not following your point. There's
2 geographic concentration but you'd expect to see something
3 in Missouri and California and New York and other states, as
4 well, not just the ones we're listing here. If this
5 provides a special clinical need, then it should provide a
6 special clinical need around the country.

7 DR. NEWHOUSE: I agree with that. So that suggests
8 it's not providing that and that these other areas are
9 doing -

10 MR. HACKBARTH: But you could imagine that the
11 diffusion of the new clinical approach might take time and
12 it would sort of concentrate, but the PPS incentives have
13 been in place for a long time.

14 We are rapidly running out of time and we have Nick and
15 Alan Nelson, did you have another point to make? Okay, and
16 Dave Smith?

17 MR. SMITH: [off microphone.] No, my confusion has
18 largely been expressed.

19 MR. HACKBARTH: Okay Nick, you've got the last word.

20 DR. WOLTER: I would just say Montana is white on that
21 map. I have no experience with LTCHs and had not been in
22 one prior to these visits. I was interested to see that
23 North Dakota is an entrepreneurial state now, too.

1 A few comments. On the hospital within a hospital
2 thing, it might be worth clarifying that there are some
3 governance and ownership rules about what those actually
4 mean, if I remember right. It's not that they're operated
5 by the acute care hospital. And so that at least creates
6 some arms length relationship, although one might question
7 how really arms length is it. But it's probably worth
8 clarifying that.

9 It also would be interesting to see if data can suggest
10 that utilization of the hospitals within hospitals is
11 different in some way. Is the length of stay on the acute
12 care side less there than it is -- before we make judgments.
13 I think it might be worth getting that data.

14 And then a clinical comment. At the best places we
15 visited, and in visiting with my pulmonary critical care
16 colleagues, I was very impressed with the sincerity of their
17 belief that they were providing care that served patients
18 very well, that in many cases they didn't believe was as
19 well provided on the acute care side because of the
20 organization of the team around the chronically/critically
21 ill really wasn't as well put in place as it was in the
22 LTCH. Now that was in the best of the places that we
23 visited.

1 I also had not seen the quantitative analysis until
2 this report came out. And if I'm remembering what's in the
3 paper, if you look at the top 5 percent of patients most
4 likely to receive this care and compare the cost to those
5 who did go to LTCHs, it's a wash or maybe a slight advantage
6 to the LTCH. So we don't really have good information yet
7 that this is more costly care if you try to normalize it for
8 the types of patients being cared for.

9 When you add the readmission differences to that there
10 is at least one thing suggesting that maybe there's some
11 benefit being provided.

12 I also hadn't seen the draft recommendations until
13 today and I just think you guys did an outstanding job
14 coming up with a balance of trying to tighten up the
15 criteria so that indeed the right patients, if that's at all
16 possible, get into these settings. And that the patients
17 who really don't need this care, hopefully the criteria can
18 help us with that.

19 And clearly, the importance of adjusting PPS in the
20 other settings, the acute side and the SNF side, is really
21 critical. Unfortunately, the recommendations on revising
22 RUGs have been out there for how long. That hasn't happened
23 yet. But I think that is really critical as well.

1 I think you really did a nice job packaging those
2 recommendations.

3 MR. HACKBARTH: Thank you. I think that's a great
4 summary of where things stand. Nick, thank you for the time
5 that you spent going on those visits. It was very helpful.

6 And Pete, I'm reminded you also invested some time in
7 that. So thank you.

8 Next up is implementing the new Medicare drug benefit.

9 DR. SOKOLOVSKY: I would just like to provide a little
10 context before Cristina and Vivek give us the presentation
11 for this morning.

12 Now that Congress has enacted a Medicare prescription
13 drug benefit to start in 2006, policymakers will have to
14 make a long series of decisions on how the program will be
15 implemented. These decisions will determine the cost, the
16 efficiency and the quality of the benefit.

17 While legislators were debating the scope and structure
18 of a prescription drug benefit, researchers conducted
19 analyses that would enable them to better estimate the cost
20 of the benefit. So work focused on things like estimating
21 drug coverage of beneficiaries, figuring out expenditures
22 for different categories of beneficiaries, and evaluating
23 strategies adopted in the private sector to help control

1 drug costs.

2 However, there's been much less research done to inform
3 policymakers on the issues they're likely to encounter now
4 as they implement a drug benefit. Yet issues like formulary
5 systems that we'll hear about today, eligibility
6 determination and enrollment and beneficiary education are
7 complex issues that require careful planning based on solid
8 information.

9 Large health plans report that implementation of a new
10 drug benefit design typically requires lead time of at least
11 one year. None of these plans would approach the size and
12 complexity that will be involved in the implementation of
13 the Medicare drug benefit.

14 In the next couple of months CMS intends to begin
15 releasing a series of regulations related to implementation
16 of the benefit. For a chapter in our June report we plan to
17 focus on what we see as just some of the beginning key
18 implementation issues to help prepare MedPAC to advise both
19 Congress and CMS.

20 Next month we'll present the results from a series of
21 structured interviews with present and former state Medicaid
22 officials, directors of state pharmacy assistance programs,
23 health plans and PBMs about what the key issues are for

1 implementing the low-income drug benefit. Issues here
2 include things like outreach and education, methods of
3 eligibility determination and particularly the special
4 problems relating to dual eligibles in long-term care
5 facilities.

6 We also plan to present the results of a study on
7 issues that arise when health plans sponsors switch from one
8 pharmacy benefit program to another. We've conducted a
9 number of site visit, focus groups and structured interviews
10 looking at best practices and also some of the problems that
11 both plans and participants have experienced following the
12 change.

13 Today Cristina and Vivek will present findings from our
14 work on formularies. This work is designed to educate the
15 policy community about formularies and lay out what we see
16 as some of the key policy issues for Medicare around
17 formulary development and utilization.

18 MS. BOCCUTI: To learn about formulary issues that
19 policymakers are likely to encounter when implementing the
20 new law we consulted available publications and interviewed
21 experts and stakeholders on the topic, including
22 representatives from health plans, PBMs, drug manufacturers,
23 Medicare plans, the Veterans Health Administration, the

1 Academy of Managed-Care Pharmacy, U.S. Pharmacopeia and
2 consumer advocacy groups.

3 We have not yet completed all of our interviews and
4 plan also to talk with physicians on their experiences with
5 formularies.

6 Our presentation today and your mailing materials are
7 designed to give you background information on formularies
8 and begin to introduce some of the policy issues that
9 policymakers and the commission may face in the future when
10 formulary implementation regulations are being drafted.

11 The major questions we addressed are what are
12 formularies and how do they operate? What does the new law
13 say about formulary implementation? And what formulary
14 related issues will Medicare and the Congress face when
15 implementing the Medicare drug benefit?

16 Vivek is going to start with first bullet.

17 MR. GARG: A formulary is a continually updated list of
18 drugs approved for coverage by a health care payer. A
19 formulary is one component of a plan's overall formulary
20 system which includes a set policies and procedures used to
21 design, implement and update the formulary.

22 For example, there may be policies concerning the
23 selection of drugs or how information about the formulary is

1 communicated to physicians and beneficiaries.

2 Formularies can help educate physicians and enrollees
3 on appropriate prescribing and utilization by identifying
4 drugs proven to be a effective and safe for a plan's
5 population. They can also help contain costs by directing
6 use towards cost effective drugs and by giving plans the
7 ability to negotiate for manufacturer rebates based on a
8 market share a plan can shift towards a particular drug.

9 The majority of US workers with employer-sponsored drug
10 coverage are in health plans that use formularies and
11 formulary systems.

12 Formularies are composed of therapeutic classes which
13 are the categories in which drugs are classified. There is
14 no single way to classify drugs and they can be based on a
15 mix of their therapeutic indications, the pharmacological
16 mechanisms through which they act or their chemical
17 structure. For example, antihypertensives lower blood
18 pressure but include drugs with different pharmacological
19 mechanisms such as those shown on the slide. And each drug
20 which those groups has a distinct chemical structure that
21 may affect its effectiveness and safety profile.

22 Most classification systems aim to place together drugs
23 that produce similar therapeutic outcomes and have similar

1 adverse reaction profiles. Plans we interviewed agreed that
2 the classification system used can greatly affect a drug
3 benefit as the therapeutic classes provide a framework for
4 reviewing, selecting and inducing price competition among
5 drugs. Many different classification systems exist and
6 plans may create their own or adopt systems available
7 commercially.

8 In addition, drugs can often be classified in more than
9 one class. For example, beta-blockers are primarily used to
10 treat hypertension by decreasing the heart's output of
11 blood. However, some can and are used in the treatment of
12 several types of heart conditions, migraines and anxiety.
13 Although beta-blockers act through the same pharmacological
14 mechanism, differences in their chemical structure alter
15 their appropriate uses, effectiveness and safety profile.
16 Based on these differences it would be possible to classify
17 beta-blockers in one of several different therapeutic
18 classes.

19 As these examples show, decisions about classification
20 depend on the interpretations of medical experts in the
21 formulary system which can differ significantly.

22 Formularies are developed and maintained by a body of
23 experts known as a pharmacy and therapeutics committee, or

1 P&T committee. All plans we interviewed relied on the input
2 of a P&T committee in selecting drugs for the formulary.

3 The composition of P&T committees vary but generally
4 consist of a majority of physicians from different
5 specialties with some input by pharmacists. Our interviews
6 show that physicians usually hold the majority vote on the
7 committee, and in one case pharmacists were members of the
8 committee but could not vote.

9 Some P&T committees vote on each drug being reviewed
10 while others seek a consensus to determine drug coverage.
11 Some plans emphasize the independence of their committee,
12 drawing members from academia and expecting or requiring
13 disclosure of conflicts of interest.

14 P&T committees determine whether a drug should be
15 placed on the formulary and in most cases what level of
16 coverage it should have. To do so they review assembled
17 information on the effectiveness and safety of available
18 drugs. While effectiveness and safety are the primary
19 factors for a drug's selection, our interviews revealed that
20 cost becomes a factor at different points in the formulary
21 process. Some plans take cost-effectiveness, price and
22 pharmacoeconomic information into account while reviewing
23 drugs. Others may first decide which drugs are

1 therapeutically superior, equivalent or inferior and then
2 negotiate and consider pricing among those determined to be
3 equivalent in effectiveness and safety.

4 Most P&T committees meet at least yearly with many
5 meeting quarterly. Meetings can vary from three to four
6 hours to over the course of a few days. Some committees
7 stagger their review of therapeutic classes across meetings,
8 effectively canvassing the formulary over a year. Others
9 may review the entire formulary once a year or set their
10 agenda based on manufacturer contracts up for renewal. And
11 most plans indicated that P&T committees reconsider drug
12 selection as needed when new drugs or information becomes
13 available.

14 Most formularies are variations of open or closed. In
15 an open structure the plan covers all drugs in the
16 therapeutic classes covered, whether listed on the formulary
17 or not. Those that are listed are preferred by the plan for
18 their quality or cost-effectiveness although there is no
19 financial incentive for their use.

20 In a closed structure, only the listed drugs are
21 covered and prescriptions can be shifted to these listed
22 drugs to a greater degree.

23 Individual therapeutic classes may also be open or

1 closed. For example, the statin class may be closed and
2 restrict coverage to the listed drugs while the
3 antihistamine class remains open with coverage of any
4 available antihistamine. In practice, most formularies are
5 a mix of open and closed classes and most plans do not cover
6 particular classes of drugs, such as drugs proven to lack
7 sufficient advocacy by the FDA, over-the-counter drugs,
8 weight-loss, cosmetic or other lifestyle drugs.

9 Incentive-based formularies use cost-sharing
10 differentials to direct use toward certain drugs on the
11 formulary. The most popular form places drugs into three
12 tiers and induces consumer price sensitivity while
13 preserving access to a broader range of drugs. The first
14 tier contains generic drugs which have the lowest level of
15 cost-sharing. The second tier contains brand name drugs
16 that are preferred by the plan and these have a middle level
17 of cost-sharing. The third tier contains non-preferred
18 brand name drugs with the highest level of cost-sharing.

19 In addition to cost-sharing differentials, formularies
20 may contain other mechanisms to direct use. A plan may
21 require a drug to have prior authorization. In this case,
22 the prescribing physician must provide evidence of the
23 drug's medical necessity before the plan will cover it.

1 A plan may also establish step therapy for a certain
2 condition. In this case certain first-line drugs must be
3 tried and proved unsuccessful in treating the condition
4 before other drugs are covered. Prior authorization and
5 step therapy are often implemented when higher cost drugs
6 are available that have limited value over lower cost drugs.

7 All plans we interviewed, though, had a medical
8 exceptions process to cover drugs determined to be medically
9 necessary by the physician subject to adequate support and
10 approval by the plan.

11 Some plans stress the importance of such a mechanism to
12 a well designed formulary. In most cases, claims were
13 resolved in under 48 hours. One plan allowed pharmacists or
14 physicians to prescribe a three day emergency supply of a
15 drug if they believed it was medically necessary while the
16 claim was being processed.

17 Now Cristina is going to continue.

18 MS. BOCCUTI: In implementing a formulary, the new law
19 allows plans to establish their own classification system.
20 However, it may not be designed to discourage enrollment of
21 beneficiaries with high expected drug costs.

22 The law directs a model classification system to be
23 developed by U.S. Pharmacopeia, which is an organization

1 that sets and publishes quality standards for prescription
2 drugs such as correct molecules and dosages. Plans are
3 encouraged through safe harbor provisions to use USPs model,
4 but again plans may develop their own classification system.

5 The specificity of a therapeutic class determines the
6 mix of generic and brand name drugs available in a given
7 class. The MMA requires that plans with formularies cover
8 at least two drugs in each of its therapeutic categories.
9 Plans may list a drug in more than one category. For
10 example, we're recalling Vivek's diagram, plans may cover a
11 beta blocker in two therapeutic categories, one for
12 hypertension and the other for migraines.

13 Some of the plan and PBM representatives we interviewed
14 indicated that if they use a formulary with narrow
15 therapeutic classes, it minimizes their ability to contain
16 costs for two reasons. First, narrow drug classes are more
17 likely than broad classes to have no generic or moderately
18 priced drug available.

19 Second, narrow drug classes are likely to reduce the
20 degree of market competition within each class because fewer
21 drugs are eligible for coverage in the class. This could
22 consequently raise costs for plans, beneficiaries and the
23 Medicare program if rebates and discounts are diminished.

1 Consumer advocates and representatives of the
2 pharmaceutical industry expressed concerns that a broad
3 classification system with too few classes could limit
4 enrollees' access to medically necessary brand name drugs
5 particularly those which best serve subpopulations who
6 experience adverse side effects to lower cost drugs.

7 I'll just provide one example that compares narrow and
8 broad classification structures which has received some
9 attention in recent years and that is the classification of
10 nonsteroidal anti-inflammatory drugs, NSAIDs, and Cox-II
11 inhibitors. If a plan or PBMs classification system broke
12 down NSAIDs into the subclass of Cox-II inhibitors, then
13 under MMA the plan would have to cover at least two Cox-II
14 inhibitors. At this time, only brand name Cox-II's are
15 available.

16 If instead a plan's formulary did not classify Cox-II
17 inhibitors separately from other NSAIDs, then the plan would
18 not have to cover Cox-II's specifically and would likely
19 choose to cover considerably less expensive NSAIDs within
20 the broader NSAID category. In these cases, coverage for a
21 Cox-II could occur through the medical exceptions process,
22 potentially for people with gastrointestinal sensitivity.

23 So you can see the formularies are affected by the

1 interplay between the plan's therapeutic class structure and
2 the number of drugs covered per class. What we don't know
3 yet is U.S. Pharmacopeia's model classification system and
4 how plans, PBMS and physicians will respond to it.

5 In some cases, a beneficiary enrolled in a drug plan
6 may need a non-formulary drug either because a formulary
7 drug is not effective for them or because the formulary drug
8 causes adverse side effects. The MMA requires the plan to
9 have a process for enrollees to request coverage for non-
10 formulary drugs or to change the drug's cost-sharing terra
11 status. But first, a prescribing physician must determine
12 that a non-formulary drug would be either more effective or
13 cause less adverse side effects.

14 If beneficiaries are unable to obtain a non-formulary
15 exception, they will have to pay high cost-sharing, up to
16 the full retail cost of the drug. Moreover, their cost for
17 purchasing non-formulary drugs will not count towards the
18 out-of-pocket spending thresholds calculated for deductibles
19 and stop loss in the Medicare drug benefit.

20 If non-formulary requests are denied, beneficiaries may
21 appeal the decision in a process like that in the Medicare
22 Advantage program. As Vivek mentioned, our interviews and
23 research revealed the plans use a continuum of methods for

1 reviewing non-formulary exceptions. Some are rather
2 informal and ad hoc, say by telephone, while others require
3 complex paperwork and proof that the beneficiary experienced
4 either an adverse reaction to the drug or the drug failed as
5 a treatment alternative.

6 Consumer advocates contend that if the process for
7 obtaining non-formulary exceptions is too burdensome, then
8 physicians may be less willing to participate in the non-
9 formulary exceptions process which could affect
10 beneficiaries' access.

11 Alternatively, plan and PBM representatives expressed
12 concern that if non-formulary exceptions were too easy, the
13 class control and drug management mechanisms built into the
14 formulary would be greatly undermined.

15 As Vivek mentioned, formularies are frequently modified
16 to reflect the introduction of new drugs in the market,
17 updated clinical information and changes in market
18 competition. The new law allows plans to change their
19 formulary at any time during the plan year but they may only
20 change their formulary's therapeutic classification
21 categories at the beginning of a plan year.

22 Prior to removing or changing the tier status of a drug
23 or the drug itself, plans must notify affected enrollees,

1 physicians, pharmacies and pharmacists. Notifying enrollees
2 about formulary changes is important because it can reduce
3 those instances in which beneficiaries first learn at the
4 pharmacy counter that their drug is no longer covered or has
5 a higher cost-sharing. At the minimum, plans may post this
6 information on an Internet web site. Consumer organizations
7 comment that web site based communication can be useful but
8 it's not sufficient to reach most beneficiaries.

9 A formulary change can have health and financial
10 implications for beneficiaries because it requires that they
11 either switch to a new drug or continue to use the original
12 drug and pay for it themselves. Recent research published
13 in the New England Journal of Medicine suggests that when
14 copayments for drugs increase, some patients stop taking the
15 drugs rather than switch to cheaper ones.

16 Some plan representatives we interviewed noted that for
17 a limited number of drugs and illnesses grace periods or
18 grandfathered exceptions for the removed drug may be granted
19 automatically, such as for psychotropic drugs treating
20 mental illness. However, when plans do not anticipate
21 safety concerns, they are less likely to grant non-formulary
22 exceptions based simply on a formulary change.

23 As you know, a large share of Medicare beneficiaries

1 take multiple medications for chronic conditions. The new
2 law does not stipulate that plans provide prospective
3 enrollees with a list of covered drugs by name nor does it
4 require the Secretary to disseminate formulary comparison
5 information. However, upon enrollment and annually
6 thereafter plans are required to provide information on how
7 to request and obtain more specific formulary information.
8 Note that it's common practice in commercial insurance to
9 provide the actual formulary only to enrollees. This
10 scenario means that beneficiaries cannot select plans based
11 on the drugs they cover.

12 Note that for beneficiaries taking multiple drugs,
13 formulary comparisons may be quite a complex task and plans
14 may well change their formulary after beneficiary
15 enrollment.

16 As is current practice, MMA requires that plans have or
17 contract with a P&T committee to develop and review their
18 formularies. The law stipulates that the majority must be
19 practicing physicians or pharmacists or both with at least
20 two members of the committee considered independent experts.
21 Representatives we interviewed were mixed on the issue of
22 P&T committee member independence. Some stress the
23 importance of total independence from the plan and from

1 other intermediaries such as drug manufacturers. Others
2 stated that including plan affiliated physicians and
3 pharmacists on the P&T committee is important to formulary
4 acceptance and compliance. In general, plans indicated that
5 they would not have difficulties satisfying the P&T
6 requirements in the new law.

7 Currently, two drugs are rarely tested against each
8 other for effectiveness in treating the same condition which
9 has led health insurers, providers, consumers and
10 policymakers to advocate for independent head-to-head drug
11 comparison studies. Single drug or placebo controlled
12 studies are far more common.

13 Drug-to-drug trials could provide physicians and P&T
14 committees with improved evidence on drug selection. The
15 pharmaceutical industry contends that current research
16 methods, which require considerable resources, are generally
17 sufficient for physicians, plans and beneficiaries to make
18 informed choices. The new law authorizes funding to the
19 Agency for Health Care Research and Quality to conduct and
20 support comparative research on health care items and
21 services, which may include prescription drugs. As yet
22 these funds have not been proposed in the President's budget
23 nor by Congress and no amount was delineated specifically

1 for prescription drug research.

2 MMA also notes potential for private partnerships in
3 this regard. An alternative to the Congressional
4 appropriations process could include funding a research
5 institute through a percentage of drug sales. The
6 independence of drug-to-drug comparison research is
7 essential to its success. The study methodology would need
8 to be transparent and subject to peer review to gain
9 stakeholder respect.

10 In sum, conducting head-to-head studies would be very
11 expensive and depending on the research design results could
12 vary. So at issue, therefore, is who would conduct these
13 tests and who would pay for them?

14 So in conclusion, we designed this presentation to give
15 you background information on formularies and begin to
16 introduce some of the formulary issues that policymakers and
17 the Commission may face in the future as implementation
18 regulations are being drafted.

19 We welcome your comments and suggestions on the
20 content, balance and usefulness of this information.

21 Thank you.

22 MR. FEEZOR: I would just like to compliment you on I
23 think a great primer. I wish I'd had this at CalPERS when I

1 was trying to get my board to understand as we were making a
2 move from one PBM to another and we had just placed about
3 300,000 people from an open formulary to a closed. I'll
4 give a couple of comments that I think we drew from that
5 rather painful experience.

6 The first is, and Glenn, there were several states led
7 by Kitzhaver and some of his staff were trying to put
8 together an institute comparative drug studies. Do you know
9 where that is?

10 The point is I would like to have us keep in front of
11 us and in front of the decisionmakers here in Washington the
12 need for at least a stimulus on the comparative
13 effectiveness studies capacity, some sort of independent
14 capacity.

15 A couple of comments growing out of our move at CalPERS
16 to move from an open to a closed formulary at the same time
17 we went with the three tier. think what is absolutely
18 important is that, in fact, the formulary be posted. I know
19 there is a selection issue there but I think individuals
20 have to be able to try to make intelligent decisions, as
21 confusing as it may be for people on multiples. So I think
22 the open formulary is something that should be pursued.

23 If you allow the formulary to change at any time I

1 think there are some real issues. I think the benefit --
2 particularly we found in our beneficiaries -- of saying that
3 the formulary can only be changed once every benefit year in
4 the case of commercial or perhaps quarterly or something
5 like that. So it's more routine, it's sort of normal and
6 there's an expectation that they can check.

7 Finding also that when there is a major change that
8 having a transitional period, when we had 300,000 people
9 that we changed PBM on, 50,000 of our folks who were on
10 maintenance drugs were affected by that. Quite honestly, if
11 I had known that, I would have been a little bit more
12 reluctant to recommend it to my board. And I know if my
13 board had known those precise figures, they would have been,
14 I think, disinclined to go along.

15 We made a very concerted effort to make sure that there
16 was a communication to all of those individuals affected,
17 and you can identify them ahead of time, that that
18 communication went in redundancy both to the patient and to
19 the prescribing physician. And that's the only way to do
20 it.

21 So I think that having some rules that require that
22 there be a communication to both parties affected and that
23 there even be, I think the appropriate way would be a three-

1 month transitional period in which I am held harmless if I
2 still use my old drug instead of the one that it's been
3 changed to. And during that period of time I get a warning
4 and then after three months...

5 We did that and we were able to move about 40,000--some
6 of those 52,000 folks to a new drug benefit. We forego a
7 great deal of the savings by having allowed a lengthy -- we
8 did a six-month transitional period in order to minimize the
9 outcry and a heck of an educational job. But when all was
10 said and done we got good buy-in and ultimately ended up
11 saving about \$9 million a year.

12 DR. REISCHAUER: A couple of observations. One is you
13 mentioned in the presentation, but I don't think it was in
14 the written material, the beneficiary perspective with
15 respect to formularies which is what counts towards your
16 movement up the progression of basic coverage, doughnut
17 hole, catastrophic. And in most plans that doesn't make any
18 difference because you're in the same system throughout.
19 But in this peculiar benefit that we've designed, it's
20 terribly important.

21 And remind me whether if you have a tiered system and
22 you choose a high tier copayment whether the copayment above
23 the first tier counts towards your spending? I don't think

1 it does.

2 MS. BOCCUTI: If it's a covered drug then your cost-
3 sharing counts. But if you try to get it moved up to --
4 well, your cost-sharing counts, am I correct, Joan? current
5 job.

6 DR. SOKOLOVSKY: There's nothing in the law as I read
7 it that would say that if you purchased a drug at a higher
8 tier, if it was on the formulary, that it wouldn't count as
9 part of your out-of-pocket spending, as opposed to a drug
10 that was not on the formulary.

11 MS. BOCCUTI: It's non-formulary drugs.

12 DR. REISCHAUER: Non-formulary drugs don't count.

13 DR. NEWHOUSE: I have a question. As I read the law,
14 this was the default cost-sharing. And that if you used a
15 formulary, you just paid X dollars per scrip, as happens in
16 the commercial world. It's not that you've progressed on
17 into a doughnut.

18 DR. REISCHAUER: Go through that again.

19 DR. NEWHOUSE: Maybe I misunderstood your question but
20 I thought your question was are the copayments going to be
21 in effect be reimbursed by some other policy that has this
22 \$250 deductible followed by 75 percent reimbursement and so
23 forth and so on? Is that what you're asking?

1 DR. REISCHAUER: If you had a standard benefit and you
2 were bring reimbursed for 75 percent, 25 percent for
3 formulary drugs would go into your out-of-pocket number
4 which would sort of make you eligible for catastrophic,
5 eventually. If you bought non-formulary drugs the total
6 spending -- you wouldn't would get reimbursed for anything
7 and none of the money would push you up towards the
8 catastrophic eligibility.

9 DR. NEWHOUSE: You may be right but that wasn't how I
10 read the law.

11 MS. BOCCUTI: It's our understanding that that's what's
12 written in the law, that if you purchase a non-formulary
13 drug it does not count towards your personal out-of-pocket
14 spending. It's called incurred spending and it's not an
15 incurred spending.

16 But if you do get a non-formulary exception, then
17 that's a different story. Then it's as if it were a covered
18 drug.

19 DR. NEWHOUSE: Ah, but that's if the plan is using this
20 cost-sharing structure of \$250 deductible, et cetera. But
21 suppose instead they're using \$20 per month copays? Then
22 what? And \$50 if you're off formulary?

23 DR. SOKOLOVSKY: If you were using that structure, the

1 \$20 would count. But the \$50, if it was off formulary would
2 not count towards your out-of-pocket limit. I think there
3 are a lot of things about the law that will be revealed in
4 regulation.

5 DR. REISCHAUER: That's another issue which I wanted to
6 bring up which is you've gone through a series of things
7 that are not required by the law. But some of them could be
8 in the regulations, I think. And we have a set of regs
9 applicable to the discount drug card which, in some
10 respects, are more stringent than the implications of what
11 could happen under the basic benefit.

12 And I thought some description of how these are
13 handled in the regs for the discount drug card, because I
14 would think it's going to be hard to back off of some of
15 those. They have to put their formularies on a computer
16 accessible form where you can go in and see what it is and
17 calculate what your drugs are. That's not precluded as
18 being, I think, part of the regs that the Secretary could
19 issue on the basic card. And I think it would be hard to
20 take a step back from that level.

21 MS. BOCCUTI: There's two issues that I would bring up
22 about the drug discount card which is set to begin in June
23 2004 and it runs until the beginning of the drug benefit.

1 So it runs to the end of 2005.

2 About your first comment on the posting say of the
3 drugs that the sponsor determines to be giving the discount.
4 I think they do have to list that. That is not the case for
5 the Medicare drug benefit.

6 Keep in mind that there is a distinction between the
7 drug discount card program and the Medicare drug benefit in
8 that the drug discount card program has a classification
9 system and that is not really the formulary. Think of it a
10 little bit differently than a formulary.

11 And what the sponsors are going to be offering is a
12 discount of at least one drug within each therapeutic
13 category. That's what's required. But the therapeutic
14 categories have been predetermined.

15 I can talk a little bit more about that if you want but
16 I want to feel it out here and see.

17 DR. REISCHAUER: No, I was just thinking of including
18 some description of that in this discussion.

19 The third point that I wanted to bring up was the
20 discussion of comparative drug study effectiveness. It's
21 sort of almost a footnote at the end of this presentation.

22 I think this is an issue that is sort of larger than
23 drugs. As you point out it's how do we evaluate the

1 effectiveness, the cost-effectiveness of medical
2 interventions of all kinds? And our lack of current
3 knowledge and the need for some kind of institutional reform
4 that would devote more resources to this and provide what is
5 basically a public good for the world more broadly rather
6 than have Aetna do its little studies and Kaiser do its
7 studies.

8 I think, I would hope that whatever we say here doesn't
9 preclude the possibility that we would get into this in a
10 much more serious way with sort of an overall kind of study.
11 So that's just a plea.

12 DR. MILLER: There have been internal conversations on
13 this and I think what we would be like to do is when we
14 bring it back is talk about a broad range of ways these
15 things could be dealt with because you could think of public
16 and private partnerships and that type of stuff. This has
17 been discussed inside, We just didn't think that this was
18 quite the --

19 DR. REISCHAUER: Finally, I need some education. What
20 actually is U.S. Pharmacopeia? Is it non-profit? is it
21 for-profit? Is it a membership organization?

22 MS. BOCCUTI: It's a non-governmental organization that
23 works -- their mission is on quality of prescription drugs

1 and they set standards.

2 DR. REISCHAUER: But General Motors is a non-
3 governmental organization.

4 DR. ROWE: [off microphone.] Only recently. It used
5 to be a governmental agency.

6 MS. BOCCUTI: It's non-profit and they publish books
7 that pharmacists and other --

8 DR. REISCHAUER: Who funds it?

9 MS. BOCCUTI: They fund themselves through the
10 publication of this book which is a resource because it's
11 like recipes. It tells you what the requirements and the
12 standards are for the drugs.

13 MR. DeBUSK: It's an encyclopedia of drugs.

14 MS. BOCCUTI: You could say that.

15 MR. DeBUSK: It's been around for years.

16 DR. REISCHAUER: What gives it its authority?

17 DR. ROWE: It's authoritative.

18 DR. NELSON: It's like Good Housekeeping seal of
19 approval, Bob. Bob, for vitamins and things of that sort,
20 if they meet USP standards they state that. So they have
21 production standards and so forth that don't apply as much
22 to the prescription drugs, although their compendium covers
23 anything. But if you buy a USP vitamin, for example, you're

1 assured that they met certain standards in production.

2 MR. SMITH: Is the drug industry equivalent of the
3 Underwriting Laboratories for the insurance company.

4 DR. ROWE: But they don't test the drugs themselves.

5 MR. SMITH: They don't?

6 DR. ROWE: That's my understanding.

7 MS. BOCCUTI: That's correct.

8 MS. DePARLE: There's more than one, the blue book and
9 the red book, right? Which one is --

10 MS. BOCCUTI: I don't know the color. There's more
11 than one.

12 DR. ROWE: I'd like to get back to this question that
13 Bob raised for another minute if we could. Have you heard
14 enough about the USP, in terms of what you need to know?

15 DR. REISCHAUER: I believe that no one knows more than
16 I do, so I can continue to speak on the subject.

17 DR. ROWE: Maybe not as authoritative as I thought.

18 I want just to reflect on this idea that Bob brought
19 up, which is mentioned on the next to last page and you
20 talked about it, about basically the evidence based, the
21 need for evidence-based research comparing the efficacy of
22 these drugs, which is apparently not really done is the FDA
23 approval process of comparing one to the other. It's just

1 whether it's safe and effective qua the drug itself.

2 I think it's really important for us to consider this
3 more broadly than just drugs and there, of course, are
4 bridging things like drugs eluding stents. Well, is that a
5 drug or not? I guess it's a stent but it's a drug, too. So
6 there are lots of technologies.

7 Health plans, and I'll try to speak from the point of
8 view of a health plan for a minute. Health plans function
9 best when there is evidence in the literature to permit or
10 to guide decisions with respect to copayments, deductibles,
11 availability, coverage, et cetera. And the BlueCross
12 BlueShield Association has a group brought together of
13 distinguished people like Barbara McNeil and others are on
14 that.

15 And then, as Bob pointed out, each of the company's
16 larger independent for-profit company has its own kind of
17 mini Office of Technology Assessment, if you will, mini-
18 OTAs, all doing redundant, sometimes conflicting analyses on
19 what literature is available.

20 And every time there's a difference between one
21 company's coverage and another company's coverage then that
22 provides a source of irritation and justifiable complaint
23 amongst consumers, et cetera. It goes on and on.

1 We don't have an OTA anymore for whatever reasons. And
2 I think that -- I can't speak for the organization, which is
3 now called the America's Health Insurance Plans. It used to
4 be called AAHP HIAA but recently changed its name to AHIP.
5 That organization, I think, strongly feels that we need some
6 sort of full thickness assessment organization that can do
7 meta-analyses or bring various data together to be
8 considered in a public forum in an independent way. I think
9 this is in everyone's best interest.

10 If we could, as MedPAC, find it within the scope of our
11 agenda for Medicare beneficiaries to comment on that or
12 think about it -- I'm not trying to add another study to an
13 already overburdened staff -- I just think Bob is right on.
14 We feel a critical need for this.

15 DR. NEWHOUSE: Two different kinds of comments. First,
16 on the exchanges that Bob and Jack were just having I
17 certainly think that we underinvest in this kind of research
18 so I'm comfortable with trying to push it along. But I'm a
19 little more tempered than this might seem at first blush.
20 There's two different kinds of issues I have.

21 One is the lifetime usefulness of this research is
22 limited if a new drug for a condition comes along that makes
23 the old treatments obsolete. And that happens frequently

1 enough that it would limit the amount of investment one
2 might want to make.

3 And the second is a similar kinds of issue. Here I'm
4 thinking of, in particular, cancer drugs and to some degree
5 AIDS drugs, which are both frequently combinations of drugs.

6
7 And second, at least in the cancer case, it's
8 frequently the case or will be going forward as we get away
9 from the maximum tolerable dose into more targeted drugs,
10 that the optimal dose will become uncertain or will be
11 refined over time. This happens even now. There's been a
12 major improvement in childhood leukemia survival with really
13 no new agents because dosing has improved over the last
14 couple of decades.

15 Then the issue becomes what combination do you test and
16 at what dose levels and so forth? And that adds another
17 level of uncertainty beyond that a new agent may come along
18 and render what you did not that useful.

19 So I think just in the text maybe something that
20 painted a picture about what the payoff from the research
21 might be.

22 Then the second, I'd still like to go back to the
23 question I was having with Bob earlier and Joan. As I read

1 the law, the law said government was going to pick up 74.5
2 percent of the cost of the private plan and the rest would
3 be paid by the beneficiary in some combination of cost-
4 sharing and premium.

5 Then the 74.5 percent in turn, and now I can't remember
6 whether it was either 80 percent or 95 percent, but if you
7 got over I think \$5,100 or some such for those people the
8 government would act like an outlier or a reinsurer and the
9 government would pick up some high percentage of those
10 costs. You can tell me if it's 80 or 95.

11 DR. SOKOLOVSKY: The government picks up 80 percent.

12 DR. NEWHOUSE: And then the remainder would be put into
13 the subsidy to the premium. So the government was putting
14 in 74.5 percent and they picked up these outlier costs and
15 the remainder went toward a premium subsidy. And then there
16 was this cost-sharing structure that everybody has remarked
17 upon. And then what couldn't be made up in the cost-sharing
18 structure from the consumer's share would go back to the
19 premium. That was how I read the law.

20 But then there was a clause that said plans may use
21 formularies. The question was how that -- this was the
22 exchange and Bob and I had -- how that played against this
23 cost-sharing structure if at all? Since the formularies

1 obviously had higher cost-sharing for stuff that's off the
2 formulary -- this could be pick up in regulation but I
3 didn't read anything in the law that specified that the
4 higher cost-sharing stuff would be folded into this strange
5 deductible and doughnut and so forth structure. Was that
6 misreading the law?

7 DR. SOKOLOVSKY: I think we're talking about two
8 different issues here.

9 DR. NEWHOUSE: That's why I'm asking.

10 DR. SOKOLOVSKY: One of them is an issue that is
11 perhaps the toughest issue out there right now and that
12 we're not really ready to say -- we're not ready to produce
13 research on it, but it's the issue of actuarial equivalents
14 which is that the cost-sharing that's set up in the standard
15 benefit plans don't have to use. They can come up with
16 another benefit as long as it's actuarially equivalent. And
17 there seems to be very little consensus about what that
18 means but it means they can change -- I mean, everyone
19 agrees they can change their cost-sharing as long as for a
20 standard population the amount of costs that the government
21 would pay would be approximately the same.

22 DR. NEWHOUSE: Exactly. So I read that to mean that as
23 long as you were actuarially equivalent you could have \$20 a

1 month copays and \$50 a month copays or whatever the copays
2 came out to be. But then it wasn't the case that there was
3 some other thing that was going to reimburse 75 percent of
4 these copays for a region and then nothing and so on.

5 DR. SOKOLOVSKY: There is an additional piece of the
6 law that says that if a drug is not on the formulary, as
7 opposed to having a different kind of cost-sharing system,
8 if it's not on the formulary, then the beneficiary not only
9 pays the full cost of it but it doesn't count for their out-
10 of-pocket limit. It's not part of the government subsidy.
11 It's not part of what the plan pays.

12 DR. NEWHOUSE: That's separate from the lifestyle drugs
13 that the law specifies that are outside coverage altogether?

14 DR. SOKOLOVSKY: Yes.

15 DR. REISCHAUER: But also, while you can set up your
16 own cost-sharing structure there are limitations. You have
17 to have \$250 deductible and you can't have spending over
18 \$5,150, right?

19 DR. NEWHOUSE: [off microphone.] I don't think that's
20 right.

21 DR. REISCHAUER: And the catastrophic has to start at
22 the same dollar out of pocket; is that right?

23 DR. SOKOLOVSKY: Yes, there are a bunch of different

1 places, limitations, on what you can do. But it still seems
2 to be -- Rachel and I have been going to a number of
3 conferences where actuaries talk about these issues and the
4 thing we've found is how little consensus there is on what
5 can and can't be done.

6 DR. NELSON: I think it's important to give some
7 attention to how disruptive changes in formularies can be
8 for the patients and also expensive. The patient is on a
9 stable program with a cholesterol-lowering drug, for
10 example, and a beta-blocker and so forth. And if that's
11 changed then they have to be monitored and make sure it
12 doesn't negatively impact their control and that they don't
13 get muscle pains or other side effects that they weren't
14 having when they were on a stable, satisfactory management
15 program before.

16 So whatever we can do to build stability into the
17 formulary so it's not changing at just whims will be
18 important from the standpoint also of saving money, I
19 believe.

20 The second point is that physicians are being driven
21 nuts by multiple formularies that they are expected to know
22 which of 2,000 drugs are on which formularies. And to the
23 degree that Medicare can make it easier by providing them

1 some simple software that lets them know if a Medicare
2 patient is prescribed a certain drug whether it's covered
3 are not and that provides updates, that is updated
4 periodically, I think not only just for reducing the hassle
5 but also to assure that physicians don't have another
6 incentive to just say to hell with the Medicare patient
7 anyway. It's important then from the standpoint of access,
8 in my mind.

9 MS. BOCCUTI: I mentioned that the presentation
10 yesterday got into a little bit of some incentives in the
11 law regarding e-prescribing that may -- this is something
12 very much in its infancy and is just starting in some places
13 and some places are finding it to work well and others not
14 at all. So that's something that could be an offshoot of
15 what you've brought up. And we'll touch on that a little in
16 the chapter.

17 MR. HACKBARTH: Okay, thank you very much.

18 Next up is work plans for the IRS 990. This is a topic
19 that a lot of people have been waiting eagerly for.

20 MR. LISK: We're going to be talking about our work
21 plan for two studies that were in the Medicare Modernization
22 Act that have a very short time frame. They're actually due
23 this June 1st. So they didn't give us very much time to do

1 these studies. The work plan will be reflecting that in
2 some cases. So both David and Jeff and I are working on
3 this project, so I'll be giving the presentation today.

4 We have two Congressionally mandated reports. The
5 first one is on the use of the IRS Form 990 to report on
6 investments, endowments and fundraising activities of
7 hospitals participating under Medicare and their related
8 foundations that may be also related to the hospital. And
9 the use of the 990s also to examine hospital's access to
10 capital financing. I'll tell you a little bit more in the
11 next slide about what the 990s are.

12 The second study is on the need for and sources of
13 current data to determine the solvency and financial
14 circumstances of hospitals and other providers of Medicare
15 services.

16 While the Congress is interested, from this request, in
17 total performance this study does provide us the potential
18 opportunity for us to also examine data needs that we have
19 for Medicare financial performance measures that we use in
20 our payment adequacy framework, for instance. The
21 Commission does not really focus on total financial
22 performance when we're looking at payment adequacy. We're
23 looking mostly at performance under Medicare and other

1 factors that we see there. So this provides an opportunity
2 to potentially use the study to do that as well, if we want.

3 Again, as a reminder, these reports are due June 1st of
4 this year.

5 So what are the 990s? The IRS Form 990 is an
6 information return that tax-exempt organizations with
7 revenues of more than \$25,000 a year must file annually with
8 the IRS. Such organizations include foundations and
9 hospitals, different charitable organizations, and even
10 school PTAs. So it's a wide variety of organizations that
11 file these forms. It's an information return. So it's not
12 used for any tax purpose in determining what taxes they may
13 need to pay because these are tax-exempt organizations. So
14 it just is used for information.

15 The form was designed though by the IRS to help the IRS
16 and state charity regulators ensure that non-profit
17 organizations remain true to their charitable purpose.

18 The 990s contain unaudited financial information on
19 not-for-profit organizations. Thus, private not-for-profit
20 hospitals generally file 990s. Their parent organizations
21 and the hospitals themselves, their related foundations as
22 well.

23 So this means about 60 percent of hospitals would be

1 filing 990s. The data on the 990s include revenue and
2 expense information, asset information, a statement of
3 functional expenses broken into program services, management
4 cost, and fundraising and a balance sheet. And that other
5 set is again looking at the charitable purposes of those
6 foundations, of those organizations.

7 The form also includes information on related
8 organizations in terms of transactions that take place
9 between different organizations that may be related between
10 one another. The data is available about one year after the
11 close of the organization's fiscal year.

12 The data is actually publicly available. The GuideStar
13 produces 990s and actually you can see the raw copies on
14 GuideStar, which has a web site, and the National Center for
15 Charitable Statistics, which is an organization within the
16 Irwin Institute, actually does digitize much of the
17 information on the 990s.

18 In terms of the major issues on the 990 study, the
19 primary issue is would information on the 990s help to
20 provide a complete picture of a hospital's financial
21 condition and the available resources that they may have
22 available to them to supporting their operations. This is
23 the primary interest that the Congress appears to be

1 interested in, to provide a more complete picture of a
2 hospital's finances by identifying investments in endowment
3 and fundraising activities of hospitals and their related
4 foundations.

5 The 990s, for instance, may be able to identify related
6 foundations that hold assets for the hospital which may not
7 appear on the hospital's balance sheet, for instance. It
8 also could identify transfers of revenues from or to the
9 hospital from other related organizations which could alter
10 the total financial picture outlook that we would view for
11 the institution.

12 The basic issue is whether the 990s can help provide a
13 more complete picture of finances with this information.

14 The second issue, though, is whether it's practical to
15 systematically use the 990 data for collecting this
16 information. And as I'll go into with this next slide,
17 hospitals are complex organizations and this is just one
18 example of one hospital. And it's important for us to take
19 a look at the organizational structure because this also
20 affects the information that we see on the 990s.

21 The 990 data can be difficult to track for hospitals
22 when we take into account the entire organization. First,
23 an individual hospital's 990 generally does not provide a

1 complete picture of the organization's finances, since
2 endowment and fundraising activities are often reported by
3 one or more related organizations that also file, if they're
4 not-for-profit, separate 990s.

5 The above organizational chart shows how a hospital may
6 fit into the organization with a parent company that
7 contains the hospital and a nursing home, for instance. In
8 some cases, the parent company may hold more than one
9 hospital. A separate foundation that raises money and holds
10 money for the hospital for charitable purposes, and also
11 supporting the hospital's operation, and other business
12 entities that may be for-profit, for instance, or that the
13 organization has some partial investment stake in.

14 So financial support can occur between, with treasures
15 of funds going between a parent organization and the
16 hospital, between the foundation and the hospital, or even
17 between the hospital and a nursing facility, for instance.
18 These types of transfers occur and the 990s can help shed
19 light on this.

20 But again, each of these non-profit organizations
21 within this framework are potentially filing separate 990s.
22 Now there's other cases where you also have a university
23 that may file just one 990 and there's no information

1 actually on the hospital in that case but the university
2 holds it and there's not necessarily a separate 990 filed.
3 So you would have different circumstances that occur here.

4 MR. HACKBARTH: Craig, on that point, are they indexed,
5 if you will, in a way that you can readily accumulate the
6 990s of related organizations?

7 MR. LISK: No, that's part of the problem. That
8 actually gets to the second issue, one part of the second
9 issue, that reporting on the 990s is that much of the
10 information is contained in attachments. And those
11 attachments are not actually digitized. So the information
12 on the related organizations is included in the attachments,
13 for instance. So you actually also need to figure out from
14 that then what other organizations are related to that
15 hospital and then go back and look at those 990s to get more
16 information on those facilities.

17 So it's possible that we can look at the 990s and it
18 takes a lot of effort. And we'll be going into more of that
19 at the next meeting when we will have more information
20 presented specifically from these forms.

21 So the study we are planning to conduct will examine
22 the feasibility of using the 990s to collect information on
23 investments, endowment and fundraising of hospitals and

1 related organizations and the use of the 990s to assess
2 hospital's access to capital. For this analysis we have Dr.
3 Nancy Kane at Harvard School of Public Health who is
4 conducting an analysis of the 990s for us. Dr. Kane has
5 used the 990s in a variety of studies and is a recognized
6 expert on hospital financial analysis. And she'll be
7 presenting her findings at the April commission meeting.

8 For a small sample of hospitals, she'll be examining
9 the relationship of investment, endowment and fundraising to
10 hospital's total financial position, examine financial
11 transactions among hospitals and related entities such as
12 affiliated foundations, compare 990 financial data with
13 other sources including audited financial statements and
14 Medicare cost reports.

15 And that part of the analysis will also be relevant to
16 the second study that we're talking about, too, in terms of
17 what does Schedule G on the cost reports tell us on the
18 hospital side. Schedule G, which is the part that gives us
19 the total financial information about hospitals and how do
20 these different forms compare.

21 And then finally, evaluate the level of effort that
22 would be required to systematically collect this data on a
23 larger group of hospitals.

1 Now we are looking at a small sample of hospitals and
2 because of the time frame, just to give you fair warning,
3 it's more of a convenient sample in terms of hospitals that
4 she has more or less looked at in the past with some
5 additions. So it's not going to be purely 100 percent
6 representative sample across the country.

7 Next, I want to move on to discuss the data needs
8 study. Again, we have a very short time frame for this
9 study, again due June 1st. The Congressional request for
10 the data needs study, as we previously mentioned, is focused
11 on the need for current data and sources of current data
12 available to determine the financial circumstances of
13 hospitals and other Medicare providers of services.

14 Thus, for this project we could focus only on the data
15 needs for measuring total financial performance of providers
16 but obviously we'll also suffer from data needs for looking
17 at Medicare financial performance, as well. Thus, we could
18 use this study to report on both sets of issues.

19 Again, the Commission's principal focus in terms of
20 what we need data for is on looking at Medicare. So the
21 question that Congress is asking is different from what the
22 Commission normally looks at, whether Medicare payments are
23 adequate to cover provider's cost of caring for Medicare

1 beneficiaries.

2 The Commission, though, needs timely, accurate and
3 consistent data to support its payment adequacy framework
4 and also help in evaluating the distribution of payment.
5 Thus, it's probably value to consider data needs for
6 measuring performance in total as requested by the study and
7 under Medicare to fulfill our needs.

8 For this analysis, we will be examining different
9 measures for analyzing provider's financial circumstances,
10 margins, change in cost, utilization, cash flow, and other
11 financial measures. We will examine the strengths and
12 weaknesses of the available data that we have, and how that
13 data could be improved. Some of the issues that we come up
14 with here are issues that, for the cost reports for
15 instance, and we're looking at it, the data is not audited,
16 for instance. So is there any gain that we would get from
17 auditing , in terms of getting more accuracy in their cost
18 allocation issues, charge setting practices and other types
19 of things we could be considering.

20 We plan to examine data needs for hospitals and other
21 providers of Medicare services, including home health
22 agencies, skilled nursing facilities and dialysis
23 facilities.

1 So in terms of the timeline, we are going to be meeting
2 with some government and other experts who use the Medicare
3 data in looking at financial performance and also in terms
4 of total financial performance to get some of their input in
5 terms of ideas of what concerns they have, as well, with the
6 Medicare data but also in terms of what they find best is
7 for measuring total financial performance as is requested by
8 the Congress.

9 We will be presenting findings from our analysis of the
10 990 and data needs studies at the next commission meeting
11 with a draft report to follow, with a final report to be
12 submitted to Congress June 1st of 2004.

13 So with that we'd be happy to answer any questions or
14 take whatever comments you have.

15 DR. NEWHOUSE: I want to comment on the second study
16 and push an old recommendation of mine.

17 If I think about what the Congress wants here at a
18 generic level and what they actually get now, what they get
19 is stale data. If they want it audited it's even staler.
20 And then, with respect to the 990s, Craig, and the separate
21 operations and I think in accounting terms what one would
22 say is they would want a statement of consolidated
23 operations.

1 It seems to me those, as you say they're not going to
2 get that out of the 990s and they're not going to get it out
3 of the current system at all. That we should say that they
4 should do is there should be some kind of sample of
5 hospitals, pay them if need be. And these hospitals would
6 have reports, financial statements that would be signed off
7 by an external auditor within 90 days and would include
8 consolidated operations.

9 I'd be interested in Jack and Ralph and Nick's views.
10 I assume your hospitals have, in the end, audited financial
11 statements within some period of time. I don't know what
12 that period of time is.

13 MR. MULLER: It's general faster than the 990. So the
14 audited statements usually would be three or four months
15 after the end of the year. Obviously much faster,
16 therefore, than the Medicare cost reports. And the 990s
17 usually lag about a year. So in terms of timeliness,
18 audited is the most timely, 990s second, and Medicare cost
19 third.

20 DR. NEWHOUSE: What I'm thinking of is basically the
21 analog to a 10-K in a publicly held corporation. It seems
22 to me it ought to be available to the Congress and it would
23 answer what they're asking for here, at least would get us

1 along the road much further than we are now.

2 MR. MULLER: I do know there have been efforts made
3 over the course of the last couple of years to have more
4 timely information and which the Hospital Association, among
5 other groupings, has made that information available. I
6 don't know whether some information is available from the
7 for-profit hospitals but obviously in all of the
8 Congressional debates as well as here, having more timely
9 information -- we commonly talk about the three-year lag. I
10 mean, obviously any kind of timely information we're better
11 off having it.

12 I don't know what the percentage compliance is but
13 Craig you may know, on the AHA database what are we getting,
14 30 or 40 percent sampling now?

15 MR. LISK: On the AHA? It's more than that, 65 maybe.

16 Actually in terms of what Joe is talking about though,
17 is one concept is Schedule G on the cost reports, which is
18 the part that measures the total financial performance,
19 predates even the PPS for hospitals and has not been
20 revised. One idea is some form of standardized audited
21 financial statement to replace that, for instance. And Joe
22 raises a good point in terms of whether it's a consolidated
23 financial statement for the entire organization, in terms of

1 capturing all of those pieces. Or is it better just have
2 the individual hospital, independent of those other pieces,
3 is another issue, too. Or some information that provides
4 both.

5 DR. NEWHOUSE: -- this to the analog of FASB, I would
6 think.

7 DR. WAKEFIELD: Craig, on the data needs study, are you
8 looking at both for-profit and not-for-profit categories of
9 Medicare providers?

10 MR. LISK: Yes.

11 DR. WAKEFIELD: You mentioned four categories of
12 Medicare provider that you're going to focus on, ESRD, home
13 health, SNF and hospitals. Is there a reason why -- maybe
14 it's just timing, since this has to be done so quickly --
15 why ASCs are not included? Or is it some other reason?

16 MR. LISK: We can probably write a little bit on the
17 ASCs and saying that there are no cost reports for the ASCs.
18 So we actually don't have any information. And that might
19 be where we leave it at. And the same is true, as Sarah
20 just said, for physicians, too. Ideally we might have
21 something on physicians, but again we don't actually have
22 that.

23 DR. WAKEFIELD: Be mindful of the difficulty we had in

1 coming to our decisionmaking related to ASCs. It seems to
2 me it would be helpful to at least identify those
3 difficulties with that category, too, if you have the time.

4 MR. LISK: But there is this timeframe issue, too.

5 DR. WOLTER: On the 990, and I am certainly no expert,
6 but in addition to the multiple entity issue just the
7 definitions around what goes in what line, I think, create
8 enough variation from one institution to another that often
9 times it's difficult to compare apples to apples. We do
10 occasionally pull 990s of other institutions and look at
11 them and try to compare ourselves for one reason or another.
12 It's difficult.

13 MR. LISK: That's a very good point and that was an
14 issue that Nancy Kane raised with me about the digitized
15 portion that NCCS does is that there are times where people
16 change what actually is reported on a line. But the people
17 who are digitizing it don't take that into account. So
18 realistically, to really get the full flavor, you have to
19 look at the raw form.

20 DR. WOLTER: Just the other point I would like to make,
21 I think that if out of this we could create some momentum
22 toward our own Medicare data that would allow us to have a
23 better understanding of margins, inpatient, outpatient, SNF,

1 I think it's been very appropriate that we have begun
2 emphasizing overall margins. But once we get beyond that
3 it's very, very hard to make update decisions because of the
4 issues we have about really understanding those other
5 payment systems. So that may be difficult in this timeframe,
6 but it would be nice if it at least created a platform for
7 ongoing work in that regard.

8 DR. MILLER: To that point, Nick, I was hoping that
9 beyond things like actually assessing the instruments what
10 could you know from these things? And what kind of state
11 are they in? Are they actually really workable? We do see
12 this as an opportunity to articulate the principles and
13 issues that in a perfect world -- and timeliness is part of
14 this. And I think the notion of a sample will come into
15 this discussion. But to try and talk about for our own work
16 what we would ideally have. So I think that that thought is
17 contemplated.

18 MR. MULLER: I think it's important to note that for
19 most of what we're interested in here, the 990s are very
20 clumsy instruments. It doesn't have a level of granularity
21 and so forth.

22 So I think we're going to find it's not very helpful.
23 And it doesn't have anywhere near the level of detail you

1 need to really understand cost structured and so forth. So
2 we'll see what you find.

3 MR. HACKBARTH: That may make the report easy to write.
4 Thank you very much.

5 And now we need to move on to our last item, an update
6 on hospice care.

7 MS. THOMAS: I'll try to go relatively quickly since
8 this is the last presentation.

9 In brief, just to remind everybody, hospice is for
10 beneficiaries who elect to forego curative care and whose
11 doctors certify that they have six months to live if the
12 disease follows the expected course. Once a beneficiary
13 elects hospice, the hospice can cover palliative care, that
14 is which focuses on managing the symptoms of disease but not
15 curing it. The benefit includes nurse visits, prescription
16 drugs, respite care for families, inpatient care as needed
17 and bereavement counseling.

18 Palliative care is not the focus of today's
19 presentation, but I did include at your seats an article
20 that was recent in the Wall Street Journal about palliative
21 care units in hospitals which, if you're interested, we
22 could certainly consider in future work.

23 The Commission is on record with two sets of

1 recommendations on payment for hospices and on quantity from
2 reports in 1999 and 2002. We haven't looked at hospice for
3 a couple of years. There's been dramatic growth in the use
4 of the benefit which prompts reviewing those recommendations
5 again and some of the issues that are raised.

6 Hospice is something of a black box, so with all of the
7 growth we want to take another look at the payment system
8 and the status of quality measurement for hospices.

9 First, I'm going to review some trends, bringing our
10 data up through 2002, and then we'll review your
11 recommendations and some of the recommendations that have
12 been made by others for improving payment and other policy.

13 Overall growth in the use of the hospice benefit has
14 been dramatic. For beneficiaries who died while they were
15 in the fee-for-service program, it's grown from about 16
16 percent in 1998 to 25 percent in 2002. This can be thought
17 of as a success story in that many have been concerned that
18 hospice with important benefits targeted towards improving
19 care the dying has been underused.

20 This graph shows the increase in the use by age group.
21 You can see that there's been a large shift in the age
22 structure of users over this time period. In 1998, the
23 group of decedents with the highest rate of hospice use was

1 beneficiaries between 65 and 74. There is much higher use
2 among all groups of aged beneficiaries now, including the
3 very oldest.

4 This pattern of growth among beneficiaries at all age
5 groups is consistent with reports that MedPAC and others
6 have documented of growth in the use of the benefit by
7 beneficiaries with diagnoses other than cancer and
8 beneficiaries who live in nursing homes.

9 Another issue I wanted to take a look at, following up
10 on some of the questions that Jack raised at our September
11 meeting was the use of the benefit by race. Both
12 researchers and providers have noted historically lower use
13 of hospice among African-American beneficiaries. Indeed,
14 while decedents of all races are in hospice more over this
15 time period, gaps in the use continue to persist, most
16 notably for Asian beneficiaries. Researchers attribute
17 differences to different attitudes towards among different
18 ethnic groups which reflect complex belief, religious,
19 cultural and education issues.

20 DR. NELSON: Sarah, on that previous slide, to the
21 degree that Asians represent a smaller percentage of the
22 population, would they actually have a higher percentage of
23 Asians using it?

1 MS. THOMAS: This is among people who died, what
2 percent of them died while in hospice. So yes, the numbers
3 would be smaller but the relatives should be the same.

4 DR. ROWE: The number of Asians who died who were in
5 hospice has gone from 10 percent to 14 percent but it's
6 still a lower percentage.

7 DR. NELSON: Got you, thank you.

8 MS. THOMAS: As others have found in earlier work, we
9 find persistently higher use of hospice among decedents who
10 were enrolled in managed care plans. In 2002 more than a
11 third of decedents in managed care plans used hospice
12 compared with a quarter of beneficiaries in fee-for-service.

13 Some have speculated this may be because people in
14 plans or their physicians are more accustomed to receiving a
15 variety of types of services from a single source so there
16 might be a proclivity to use hospice among those folks.

17 It's also consistent with the incentives of the payment
18 system which allows beneficiaries to stay enrolled in their
19 plan when they receive hospice care. When the plan and
20 enrollee elects hospice, Medicare makes a partial capitation
21 payment to the plan to cover non-Medicare benefits that the
22 plan was offering and also pays for hospice care and any
23 non-hospice Part A and Part B services on a fee-for-service

1 basis.

2 Although one might expect a higher use of the benefit
3 among decedents in managed care to signal a better referral
4 system, and thus earlier referrals to hospice, we actually
5 don't find earlier referrals to hospice. In fact, the
6 referrals are very similar if not slightly later if you look
7 at the distribution of days of length of stay.

8 On this table we show that the average length of stay
9 has grown since 1999, however the median length of stay
10 declined and then has remained relatively flat. As you can
11 see, more than 25 percent of beneficiaries stayed less than
12 one week in hospice and the growth in the mean is really
13 being driven by longer stays at the high end. You can see a
14 particularly large jump at the 90th percentile between 2001
15 and 2002.

16 Length of stay is an important issue in hospice for a
17 couple of reasons. One is that short stays mean that
18 beneficiaries and their families have relatively little time
19 to prepare for death while using the benefit. Of course, an
20 explanation for the large number of short stays is that
21 acceptance of death and the decision to elect hospice may be
22 relatively concurrent with death.

23 It's also true that prognosis is very difficult, as

1 many have written about in research. It's very difficult to
2 predict when someone will die.

3 Some researchers have found that hospices report higher
4 costs associated with the first and last day of a hospice
5 stay, for instance the intake procedure on the first day can
6 be resource intensive. So if you have a longer length of
7 stay, then you could spread those costs over more days of
8 care.

9 However, on the other hand, people with short stays may
10 be less likely to be the ones who require intensive and
11 expensive palliative treatments, including drugs and
12 radiation kinds of therapies that we've heard from hospices
13 that are expensive, but are palliative in nature

14 Not surprisingly, given the growth of the use of the
15 benefit, Medicare spending has risen from \$3.5 billion in
16 2001, to almost \$6 billion in 2003. This is 30 percent
17 growth in spending for each of the last two years.

18 In the next few slides I'm going to go over some of
19 the issues that we highlight in the chapter. The first and
20 fourth bullets are areas where the Commission has made
21 recommendations in the past. In 2002 your recommendations on
22 payment were in our report on access to hospice and in the
23 quality improvement it was in 1999, the June report.

1 Just as a quick review of the payment method for
2 hospice, hospices are paid per diem, four possible rates.
3 The vast majority of care is for routine daily care where
4 the daily rate is about \$120 a day. The alternative payment
5 rates are continuous care, which is pretty much someone is
6 there throughout the day; inpatient care which can take
7 place in a hospital or a SNF or if the hospice has its own
8 unit it could be in hospice unit; and inpatient respite
9 which is provided to provide respite for family members who
10 care for the patient. From this payment hospices provide a
11 large number of palliative services which I mentioned at the
12 beginning.

13 A policy that I wanted to highlight for you is that for
14 the managed care enrollees who elect hospice. This may have
15 something of a dampening effect on plans' incentives to
16 develop innovative coordinated approaches to end-of-life
17 care, as I'll get into in a minute.

18 Another point I wanted to mentioned briefly, in one
19 section of your mailing materials I summarized for you a
20 recent article that was published in the Annals of Internal
21 Medicine by a group of researchers from Rand. In September,
22 Jack had asked about the evidence on savings of hospice to
23 Medicare. This study that just came out last month shed

1 some light on that question.

2 It's more rigorous than some of the other studies that
3 have been done recently in that it controls for
4 beneficiaries' propensity to choose hospice and their age
5 and their diagnosis. And the finding, the bottom line is
6 they found that for people who have a diagnosis of cancer
7 there are program savings to Medicare from the election of
8 hospice but the reverse is true for beneficiaries with other
9 diagnoses where the hospice program increases spending.

10 Last, I'm going to go over your recommendations on
11 quality and bring you up to speed on where you are in terms
12 of measurement. In 2002, you recommended that the Secretary
13 evaluate hospice payment rates to ensure they are consistent
14 with the costs of providing appropriate care, Research
15 differences in the and in resource needs of hospice
16 patients, and study case-mix adjustment and an outlier
17 policy. I just wanted to point out hospices, like other
18 providers, can choose which patients they decide to take so
19 there are likely to be differences in the resource costs
20 they experience as a result.

21 Other researchers have suggested a number of other
22 payment refinements that could be made to hospice payment
23 rates including a higher per diem for the first and last

1 days of the hospice stay.

2 Another idea has been to look at the differences in the
3 cost for hospice travel cost to determine whether costs are
4 higher if there's more travel involved. For example, to
5 rural locations.

6 Related to the outlier policy, the hospice industry
7 folks that we've talked with have told us that drugs and
8 other palliative therapies are important drivers of cost
9 their experiencing. So it would be interesting to take a
10 look at this.

11 Another issue that some people have put on the table is
12 whether costs might vary by whether beneficiaries live at
13 home or in a nursing home. It may be possible that a
14 hospice visiting a nursing home who has several patients
15 there, there may be some economies of scale associated with
16 seeing five patients in the same place rather than having to
17 go to five different locations.

18 In April, Cristina and I will bring you some data on
19 the costs and variation in cost for hospices, but to assess
20 all these payment issues probably we will need to see some
21 more data on the services that are provided to different
22 patients.

23 Options for thinking about more data include adding

1 field claims, for example, that might show numbers of visits
2 that took place, perhaps beefing up detail in the cost
3 report or collecting data through a sample as in a
4 demonstration. Of course, improving any payment method and
5 collecting data to do so would have to be balanced with the
6 burden on providers and CMS of data collection, so it should
7 be considered carefully.

8 Coming to the policy for managed care enrollees, you
9 may want to discuss this issue which is sort of the
10 advantages and disadvantages of the current policy for
11 managed care enrollees. If a plan enrollee elects hospice
12 they receive all -- just review one more time, they receive
13 all the Medicare benefits on a fee-for-service basis but
14 continue to stay in the plan and Medicare pays for the non-
15 Medicare benefits through a reduced capitation rate.

16 Some disadvantages of that policy are that it deters
17 some plans from thinking about end-of-life care as a more
18 continuous benefit and integrating it with the other
19 Medicare Part A and Part B benefits that they are
20 responsible for providing. However, I should be fair in
21 saying that we have heard about examples from some plans,
22 notably Kaiser, Sutter in California, and some of the
23 BlueCross BlueShield plans that have developed interesting

1 and innovative palliative care programs. So there are some
2 lessons, I think, that we would be able to learn from these
3 for perhaps our chronic care management which has got to be
4 tied into end-of-life care.

5 Some other thoughts about the policy are its
6 administratively complex. CMS has to figure out for each
7 plan what the partial capitation rate must be based on the
8 difference between the payment and the benefits the plan
9 offers. It does raise Medicare costs, as demonstrated in a
10 study that was done several years ago by some folks at CMS.
11 And it does single out hospice from other Medicare benefits.

12 It also explicitly pays for non-Medicare benefits for a
13 group of beneficiaries, which is unusual.

14 On the other hand, you do see that plans and hospices
15 have the incentive to increase use of the hospice care,
16 which is an important consideration as well.

17 This brings us to quality. As I said in the 1999 June
18 report on improving care at the end-of-life, you recommended
19 that the Secretary make end-of-life care a national quality
20 of care improvement priority and sponsor projects to develop
21 and test measures of the quality of end-of-life care for
22 Medicare beneficiaries.

23 Private foundations and the hospice industry have made

1 progress in developing measure sets for capturing quality
2 among many domains of hospice and palliative care more
3 broadly. The hospice conditions of participation don't
4 right now include any requirements for measurement or
5 improvement based on measurement. Three organizations do
6 accredit hospices and they do make the requirement that
7 quality be measured and improved. And most hospices are
8 accredited by these organizations. So including that in the
9 conditions of participation probably is realistic. The
10 National Association of Hospice and Palliative Care has been
11 at the forefront of a number of voluntary quality
12 improvement and reporting initiatives.

13 Like other beneficiaries, those using hospice are
14 vulnerable and measures are being developed and tested and
15 probably many could be reported if data could be collected.
16 There is a fair amount of agreement over the important
17 domains of care for hospice quality, which include issues of
18 whether the patient was comfortable and safe and whether his
19 or her choices of place of death were followed.

20 A path to moving in this direction of measuring quality
21 could be the one that is being used for hospitals where you
22 start with quality measurement for internal improvement in
23 the conditions of participation and then perhaps with

1 support by the QIOs, and then move to a public reporting as
2 data collection and other issues are worked out.

3 Another path would be the example of home health where
4 there's a research contract that's let to a researcher who
5 developed the measure set and measures their validity.
6 Again, as with refinement of payment, any data collection on
7 quality should be balanced with the burden on CMS and the
8 hospices themselves.

9 So now I'm going to turn to Cristina, who's going to
10 talk about the work we're going to bring to you in April.

11 DR. ROWE: I'm sorry, can I interrupt? I have to leave
12 and I wanted to make one comment about this. And I
13 apologize for interrupting.

14 This is excellent. Thank you very much. It's a very
15 important population.

16 I think one of the concerns that we should have in
17 Medicare has to do with the requirements for participation
18 on the part of the beneficiary. The beneficiary has to
19 basically give up all attempts for curative care. And I
20 think that in many patients that's very difficult.

21 The care providers find themselves in a situation where
22 they really want to say to the patient, and the patient
23 wants to hear, we haven't given up on you but we're are at

1 the point where you should start thinking about how you're
2 going to handle things if things continue along the way we
3 think, but we're not giving up all hope. But to get them to
4 sign that they're giving up all hope, you know, sort of the
5 Medicare hospice program has got a sign over it abandon hope
6 all ye who enter here.

7 I think that that is a significant issue. I think it
8 influences length of stay because it keeps people out of the
9 program until a point in their term when it's not
10 advantageous.

11 Hospices, while we like short lengths of stay in
12 general in health care facilities and Medicare, in hospice
13 we want long lengths of stay. The longer somebody's in a
14 hospice the more benefit there is. And there's very little
15 benefit to a very short, a six-day length of stay in a
16 hospice is basically the last rites. It's not taking
17 advantage of the hospice and what it has to offer the family
18 as well as the patient.

19 And I apologize again for interrupting. I'm sorry that
20 I have to leave but I did want to make that point.

21 I may be alone in this, but I think that it would be
22 helpful to speak with some experts, which I'm not, in the
23 care at the end-of-life and get some views from CMS and

1 others about how important this requirement is and whether
2 there's any room anywhere to loosen it up.

3 Clearly the benefit is being much more used. It's not
4 like nobody's taking advantage of it. But the length of
5 stay data concern me and I think that that's one of the
6 issues there. It may not be that we're going to increase
7 the number of people that use it but they would use it
8 earlier and to greater benefit.

9 Again, I apologize for the interruption.

10 MS. THOMAS: Just a quick clarification, the
11 requirement that they must decide to forego curative care is
12 in the law.

13 DR. ROWE: I know.

14 MS. THOMAS: So that would have to change.

15 DR. ROWE: [off microphone.] I'm not suggesting it's
16 your requirement, Sarah.

17 DR. REISCHAUER: But what are you suggesting, that you
18 say well, I'm going to forego some curative care? Or I can
19 have a little of both?

20 DR. ROWE: I suggest you do what Aetna does. The
21 health plans, and I think to my knowledge all of the health
22 plans have a much more flexible definition. If the
23 physician believes that it's appropriate at this time for

1 the patient to get hospice care, they can hospice care. And
2 you don't have to sign something saying that you will not
3 consider any additional ongoing curative care. It's just
4 forcing the patient to do that, we find it
5 counterproductive. So we don't have that requirement.

6 DR. MILLER: One thing that we could do is we can look
7 at some of the plans that you were identifying and ask how
8 they control this issue.

9 MS. DePARLE: I think that's true and it's a concern.
10 I mean, obviously when this benefit was put in I'm sure that
11 part of the cost of it was estimated by CBO depending on
12 whether people were -- it would have been much more
13 expensive if they had assumed that people would continue to
14 get everything.

15 I think Mark's idea and your idea of looking at what
16 other plans of doing. And do you find that once a physician
17 and a patient elect hospice that, in fact, the other
18 spending is restrained? That they are more going that
19 route? It would be interesting to look at.

20 DR. ROWE: [off microphone.] Unfortunately, I come
21 armed with an opinion but not with any data which is not
22 unusual. But we'd be happy to share our experience. I
23 think it's a more user-friendly approach.

1 MS. DePARLE: I think we agree on that, yes.

2 MS. RAPHAEL: I think there are different dimensions
3 here, because I think we're confusing -- one thing is
4 foregoing curative treatment, which is very difficult to do.
5 And then we get into whether there's some sort of aggressive
6 pain management, which sort of falls over the line.

7 A second is the six-month prognosis, which is also
8 difficult to do.

9 A third is whether it's upon the physician's
10 recommendation or whether the patient has to really be
11 engaged in making this decision.

12 So I think there are a number of different requirements
13 here that we need to separate out as we think about this.

14 DR. REISCHAUER: I wouldn't disagree that Jack's
15 approach would be a more humane and better approach, but
16 we've already been told that, according to the Rand study,
17 this is a benefit that now is costing more than if it didn't
18 exist.

19 DR. ROWE: [off microphone.] Only for non-cancer
20 patients.

21 DR. REISCHAUER: But on average is the thing.

22 DR. ROWE: [off microphone.] But cancer patients are
23 the majority of patients. And so for the majority of

1 patients --

2 MS. THOMAS: The aggregate is a cost when you consider
3 all the cancer and non-cancer patients together.

4 MS. DePARLE: How much of a cost?

5 DR. ROWE: [off microphone.] Who are we going to take
6 better care of if not these?

7 MS. THOMAS: I think it's 4 percent in the aggregate.
8 Depending on the diagnosis of the patient you look at it can
9 be anywhere from 11 to 30 percent higher for the non-cancer
10 group.

11 DR. REISCHAUER: As I said, I'm not opposed to a better
12 benefit but we should view it as that and weigh it against
13 other ways to increase the quality of the benefit.

14 DR. ROWE: [off microphone.] Let's look if the
15 criteria for the benefit are, in fact, counterproductive.
16 I'm not trying to increase the cost. Let's just see what we
17 buy for that extra cost, if anything.

18 DR. NEWHOUSE: But the fact that the private market
19 supports it suggests that --

20 DR. REISCHAUER: But the private market supports it
21 because there are very few people who are affected in Jack's
22 plan compared to Medicare. I mean, Medicare everybody is
23 going to be affected.

1 DR. ROWE: [off microphone.] I think that's right. As
2 I leave, I'd like to agree with something that Bob says.

3 DR. REISCHAUER: It's taken five years.

4 DR. ROWE: [off microphone.] Because the average age
5 of our beneficiaries in the commercial plans is in the 30s
6 or early 40s and so that's certainly the case, yes.

7 MS. BOCCUTI: Let me just go over the little bit of
8 what we plan to bring you in April, but I think that
9 discussion is very much about the genesis of the benefit,
10 too, and ways that maybe the Commission wants look at it.

11 We're also, in April, going to be bringing to you our
12 analyses from cost reports. And as you may know, hospice
13 cost reports are a relatively new endeavor. And so we're
14 just getting to the point where there's enough data there to
15 analyze. So potentially our analysis may shed some light in
16 areas where you might want to look into regarding hospice
17 payment refinement.

18 We plan to examine components of hospice costs such as
19 nursing costs, drug costs, transportation costs and ways
20 that they vary by facility, characteristics, size type, et
21 cetera.

22 And we also will be discussing the limitations of the
23 cost reports. We'll bring to you some discussion on changes

1 in the composition of the industry over time. That is
2 growth in for-profit, not-for-profit, freestanding,
3 hospital-based, home health based, and nursing home-based
4 hospices.

5 And I leave you saying if there are any particular cost
6 reporting issues that you want us to focus on for the April
7 presentation, please let us know.

8 MS. RAPHAEL: I just was at an investor conferences in
9 which I found out that investors who look at home health at
10 all are most interested now in hospice, which I wasn't fully
11 aware of. Because there are a number of public companies
12 now in hospice who are doing very well.

13 And so I'm seeing an industry where you have one group
14 now with high earnings and you have this other group that
15 somehow can't even break even. And I'd like to better
16 understand the industry and what's accounting for the
17 distinction.

18 MS. BOCCUTI: I hope that we will be able to provide
19 some insights into that to the best of our ability and see
20 what we can come up with in April, if we can look at
21 different types of hospices and those issues.

22 DR. REISCHAUER: Sarah, I think you said that there had
23 been a rather rapid growth in SNF related participation in

1 nursing home. I'm not arguing that this is wrong or bad or
2 anything, but is this a situation in which we have
3 individuals in nursing homes being paid for by Medicaid and
4 towards the end of their lives by switching them into a
5 related inpatient hospice facility the average payment can
6 be both shifted to the federal government from the state and
7 increased? That might explain some of it. And it's not
8 irrational, it's not necessarily wrong.

9 MR. HACKBARTH: Although I think that's the sort of
10 thing that the earlier requirements we were discussing were
11 designed to prevent. It was to put barriers to the growth
12 of this, of just that sort.

13 MS. THOMAS: We have talked to the folks from the
14 hospice associations about this. CMS and the associations
15 have been very careful to try to let hospices know that even
16 if people living in nursing homes are sort of entitled to
17 some of the same services through nursing homes, that they
18 are to provide the same sort of care, the same kinds of care
19 plans to beneficiaries regardless of whether they're in the
20 nursing home or in their own home.

21 Also, we're told that states are aware of some of the
22 overlap in the benefit and have sort of scaled back what
23 they're providing on their side for beneficiaries in

1 hospice, not providing the same degree of drug coverage, for
2 example.

3 DR. REISCHAUER: On that score, do we think the
4 Medicare drug benefit is going to affect the attractiveness
5 of this?

6 MS. THOMAS: I think that's a very interesting
7 question. I think that there's some issues around
8 coordination of -- making sure that the drug plans know that
9 the person has elected hospice, obviously, and is receiving
10 palliative drugs. But they still should be able to get
11 their non-palliative drugs. And sometimes it might be hard
12 to tell the difference by classes. I think there will be
13 some interesting issues there.

14 MS. BOCCUTI: We've been talking about this a little
15 bit in the policy question of to what extent the patients
16 see this as an opportunity -- we don't know. Finding out if
17 they're looking for the hospice benefit to help them with
18 some pain medication issues, in addition to the bereavement
19 and the other kinds of counseling that are part of the
20 hospice benefit. That's the added bit that the Medicare
21 benefit provides.

22 But also the Commission might want to look into ways to
23 refine payment based on the new Medicare hospice benefit.

1 So I think there might be an interplay -- what did I say?

2 Oh, the drug benefit. Thank you

3 So it may be an issue that we want look into if there
4 is any overlap there.

5 MR. HACKBARTH: Okay. Thank you.

6 We will now have a brief public comment period.

7 MS. DePARLE: We didn't have a chance yesterday to
8 thank the staff for the work on the March report. But I
9 just wanted to say that it was really well done. And maybe
10 it's just because I've been through it now more than once
11 but the process also, I thought, went very smoothly. And
12 Sarah, in particular, facilitated that.

13 MR. HACKBARTH: Thank you for saying that.

14 MR. CALMAN: My name is Ed Calman. I'm general counsel
15 to the National Association of Long-Term Care Hospitals.

16 I would like to again thank staff and the two
17 commissioners, Nick in particular, that traveled around the
18 country as part of the study. I think they were very
19 diligent in what they did. They were only limited by the
20 data and certainly not by talent or will to do justice by
21 the issue.

22 I do have some comments which I'd like you to hear on
23 the recommendations that I think are important.

1 I think that in going through this issue you should be
2 keenly aware that some of these recommendations may create
3 gaps in care. I'd like to go over that very briefly with
4 you.

5 Some long-term care hospitals admit patients with
6 respiratory failure that may not wean. They will give them
7 a chance to wean. These are spinal cord injury cases, some
8 strokes, but they give them a chance. Some long-term care
9 hospitals do not admit that population. For the long-
10 term care hospitals that do admit that population a number
11 of them fail and they are at the long-term care hospital.
12 At that point they are usually not a Medicare liability.
13 They are a Medicaid liability because they've used days in a
14 spell of illness before they've gone to a long-term care
15 hospital.

16 These patients use a lot of resources. It's not just
17 nursing, it's deep suctioning which they do not get in
18 nursing homes except in the state of California which does
19 have very robust high intensive nursing home system because
20 MediCal pays for that.

21 Some patients, even in California, can't go to a
22 nursing home because of the adjustments that they need to
23 the ventilator and the type of ventilator.

1 So I think that it's important that these hospitals be
2 allowed to continue with their mission. This is not a
3 matter of money because they are all outliers and long-term
4 care hospitals lose money on outliers. And believe me, in
5 most states most long-term care hospitals lose money on
6 Medicaid.

7 So I think that with respect to your recommendation
8 that it ought to be that instead of that they cannot be
9 treated in a nursing home, because I'm very familiar with
10 theoretical leveling I call it, that a nursing home can do
11 things, it should be that they cannot as a practical matter
12 be treated in a nursing home in their locality.

13 Secondly, I think this rehabilitation issue is one that
14 requires examination. There are long-term care hospitals
15 that do comprehensive rehab, that is acute rehab. They
16 admit the same patients that rehabilitation hospitals admit.
17 And they have the resources to do that. Some of them are
18 very well known in the United States.

19 They also admit medically complex cases. And if it's
20 50 percent, as Dr. Kaplan indicated, you know they cannot
21 qualify to be a rehabilitation hospital because it has to be
22 75 percent. So they cannot be a rehabilitation hospital.
23 And when their medically complex long-term hospital patients

1 get better and can withstand three hours of rehab a day,
2 they give it. They do not transfer to an IRF.

3 The Medicare program makes out on that deal. Those
4 hospitals do not make out on that deal because they make
5 less money and they have issues with their 25 day length of
6 stay because a rehab case is a 14-day event. It's not a 25-
7 day event.

8 I do understand and appreciate the issue raised about
9 rehabilitation and I think a thoughtful way to approach that
10 is to allow long-term care hospitals -- and I would put a
11 bed minimum on it because there are larger long-term care
12 hospitals, to have rehabilitation units. Currently CMS does
13 not allow long-term care hospitals to have a rehabilitation
14 sub-unit.

15 I would further recommend that once a case comes into
16 that hospital that it's one payment, that they wouldn't be
17 able to be transferred between a long-term care hospital
18 unit and a rehabilitation hospital unit so we do not
19 recreate problems and that it's bundled once they enter.
20 It's bundled now. I'd like to keep it bundled. I think
21 that that's appropriate with the proper payment.

22 Physician visits is also another problem. Patients
23 admitted to long-term care hospitals are at a hospital level

1 of care and they need daily physician visits when they
2 enter. They do not need daily physician visits necessarily
3 thereafter. Some hospitals organize themselves differently.
4 We have head trauma cases in long-term hospitals, we have
5 various types of cases in long-term hospitals. And a
6 physician is there. A physician may have to intervene three
7 times a week but not daily and physician extenders are used.
8

9 If the government was to require daily physician
10 visits, the government would get daily physician visits and
11 Part B expenditures would go up. So I think you ought to be
12 concerned about that.

13 I also think it's very important that you understand,
14 on the issue of criteria, that QIOs and PROs before them
15 were not funded to review long-term care hospitals. So
16 while they did have screening criteria to screen the medical
17 appropriateness of admissions, continued stays and
18 discharges they did not exercise that authority.

19 CMS this year has opened the door a small bit by
20 allowing, I think it's 1,400 cases to be reviewed. And QIOs
21 are establishing criteria for long-term hospitals. Our
22 organization clearly endorses that. We've made that known
23 to Commission staff. And I think that many of the problems

1 that are correctly perceived can be addressed into a good
2 way by the QIOs because their process is one of medical
3 screening criteria if a case fails a physician-to-physician
4 review so that it is fair to the patient and fair to the
5 provider.

6 I would also note, I was interested in the comment on
7 budget neutrality. The PPS rules provide for a six-year
8 look back and a budget neutrality adjustment. And you
9 should know that. It's not defined as to whether that will
10 account for volume. That is, increase in the number of
11 cases. I think more about increase of cases that in the
12 number of hospitals.

13 So that authority does exist and I would love to know
14 how CMS is going to go about that calculation. Perhaps you
15 could ask them how they're going to do that.

16 I would also like, you may or may not know that our
17 association ran a study concurrent to the Commission's study
18 which was conducted by Lewin Group. Many of the findings
19 were the same. But there was one finding I'd like to point
20 out. And that is that on one analysis it was found that
21 Medicare beneficiaries that went to long-term care hospitals
22 used acute hospitals less. I believe that statistic was 7.4
23 percent less utilization. And that would be important or

1 should be thought about in terms of the financial analysis
2 of these facilities.

3 We are also concluding a multicenter study with 23
4 hospitals, 1,400 patients on ventilator weaning, which will
5 hopefully be published later this year or next year. And
6 that is available to the Commission and we have shared that
7 data with staff. So we have weaning rates in long-term care
8 hospitals. We're not able to do a comparative study with
9 acute hospitals.

10 I will say finally, I want to comment about APR-DRGs
11 and the recommendation to use them. I am a lawyer but I
12 have had to get to know something about coding. What I find
13 out about APRs, as with DRGs, is that you do not know the
14 code when the case enters because the coding is changed by
15 comorbidity and procedures. And if you have a case with
16 respiratory failure, with ventilator support, it will get a
17 severity level four with APR-DRGs. If you add a minor
18 amputation of a finger, the surgical procedure is coded
19 first and drops the severity of illness.

20 So if this is going to be used as a measure of
21 certification for long-term care hospitals I would like
22 staff to consider whether that's material. I do not know
23 whether it's material, but it's certainly a reaction that I

1 have to that recommendation.

2 Thank you very much for listening to me, and I look
3 forward to your final recommendations in April.

4 Thank you.

5 MR. HACKBARTH: Okay, thank you very much.

6 We are adjourned.

7 [Whereupon, at 12:11 p.m., the meeting was adjourned.]

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