

MEDICARE PAYMENT ADVISORY COMMISSION

PUBLIC MEETING

The Horizon Ballroom
Ronald Reagan Building
International Trade Center
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Washington, D.C.

Thursday, March 20, 2003
9:17 a.m.*

COMMISSIONERS PRESENT:

GLENN M. HACKBARTH, Chair
ROBERT D. REISCHAUER, Ph.D., Vice Chair
SHEILA D. BURKE
AUTRY O.V. "PETE" DeBUSK
NANCY-ANN DePARLE
DAVID DURENBERGER
RALPH W. MULLER
ALAN R. NELSON, M.D.
JOSEPH P. NEWHOUSE, Ph.D.
CAROL RAPHAEL
ALICE ROSENBLATT
JOHN W. ROWE, M.D.
DAVID A. SMITH
RAY A. STOWERS, D.O.
MARY K. WAKEFIELD, Ph.D.
NICHOLAS J. WOLTER, M.D.

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1 is inequitable.

2 A lot of the problem though has to do with the
3 use of incorrect measures of per capita expenditures. We've
4 gone over this in the past and it's in your handout.
5 Basically, the problem is they were using -- what's often
6 used is a number that's essentially the provider payments in
7 a state divided by the number of beneficiaries who live in
8 the state. That gets you into trouble in states where you
9 have either large in-migration or out-migration for
10 services. Like Washington, D.C., for example, has a lot of
11 providers and hospitals and gets a lot of beneficiaries
12 coming in from Maryland and Virginia. So when you divide
13 all the services provided in D.C. by the number of D.C.
14 beneficiaries you get a high number, which is also an
15 incorrect number.

16 So we've started what we think is a better measure
17 and it starts with the amounts that CMS calculates is fee-
18 for-service expenditures by county. We focus of the fee-
19 for-service expenditures rather than fee-for-service plus,
20 for instance, M+C expenditures. That's because we're trying
21 to understand what's really going on in these geographic
22 areas, and the M+C payments, as you know, have a lot of

1 policy in them as well so are somewhat arbitrary. So we've
2 look at fee-for-service expenditures by county to start with
3 and then rolled it up to the state level. This is
4 consistent with the Commission's position on what M+C
5 payments should be, for example. That they should be the
6 same as the fee-for-service in that area, risk adjusted, of
7 course.

8 Now conceptually there's two sources of variation.
9 There's the cost and the quantity of services. Principally
10 in the cost we're going to look at input prices, the cost of
11 doing business in an area. We feel that should be adjusted
12 out, if you will, because that's a major source of
13 variation. Then another one is the mix of providers. By
14 this we mean that different areas, different states have
15 different mixes of, for example, hospitals. Some have lots
16 of teaching hospitals, some have very few. Because payments
17 are made differently to some of these places you need to
18 think about that. Also, someplaces have a different mix of
19 other kinds of providers like long-term care hospitals as
20 opposed to SNFs, and you also would like to think about how
21 you might be able to adjust for that to get an equal -- an
22 understanding of what's being provided.

1 Now quantity, one of the principal things that
2 determines how much health care someone seeks out and
3 receives is their health status. If you're really sick and
4 you have to go to the hospital, obviously you're going to
5 require a lot more health service than someone who is well.
6 So we want to be able to take that into account. Also there
7 are some other beneficiary characteristics which people have
8 said affect service use, such as how much supplemental
9 insurance you have, for instance, income, other
10 characteristics. Then there's, of course, practice pattern
11 variation which is what a lot of people have looked at in
12 some depth and we're just going to get to that here in this
13 presentation. But that's another possible source of
14 differences in the quantity of health care provided in area.

15 The question here, of course, is should the
16 differences be of concern or are they simply reflecting
17 differences in the cost of doing business, beneficiary
18 characteristics, and physician behavior? The differences in
19 expenditures I'm talking about. So is that a concern or is
20 that just the way things are?

21 So the way we started this is to sort the states
22 by their per capita fee-for-service expenditures. So we

1 figure out what range each state falls in here and then, in
2 this case we're weight it by the beneficiaries who live in
3 the state. The reason is that we're looking at beneficiary
4 per capita expenditures so we need to weight the state
5 population in here so we're treating all beneficiaries
6 equally. If you didn't do this you'd end up with
7 beneficiaries in states with small populations counting for
8 more than a beneficiary in a state with a large population.
9 So we have beneficiary weighted this so the height of these
10 bars is the percent of beneficiary-weighted states in each
11 of those dollar categories of per capita fee-for-service
12 expenditures.

13 The thing to note about this is it's kind of bell-
14 shaped and it's pretty spread out. If you want measure
15 things you could say that the three central bars have about
16 60 percent of the distribution in them. In Table 1 in the
17 handouts we also have things like standard deviation and
18 that kind of measure in there. \$740 is the standard
19 deviation in this, and the average is about \$5,400.

20 MR. HACKBARTH: David, could I just make sure I
21 understand the beneficiary weighting? So this graph says
22 that 60 percent of beneficiaries live in states with per

1 capita expenditures between \$4,500 and \$6,000?

2 MR. GLASS: That's exactly right.

3 DR. REISCHAUER: Can we use the term per
4 beneficiary rather than per capita? Capita is really the
5 number of people living in a state, right?

6 MR. GLASS: Okay.

7 DR. REISCHAUER: You use both terms here and it
8 strikes me as an unnecessary confusion.

9 MR. GLASS: We don't want that.

10 DR. NEWHOUSE: When I look at the bars it looks
11 like it's more than 60.

12 MR. GLASS: There's two above 20 and one at 20.
13 Yes, it's around 60, 63 or something like that.

14 So we look at this and then we start to adjust for
15 known factors so we can get down to, is there really much
16 variation underlying this or is it just cost and health
17 status and other things that we know about.

18 MS. ROSENBLATT: Can I just ask another clarifying
19 question, talking about numerator and denominator? If the
20 beneficiary lives in a state, that beneficiary is in the
21 denominator.

22 MR. GLASS: Right.

1 MS. ROSENBLATT: But if the beneficiary who lives
2 in Maryland gets service in D.C., what's happening to the
3 numerator?

4 MR. GLASS: These are all the expenditures on
5 behalf of the beneficiary. So in that case it would go back
6 to Maryland because that's where the beneficiary lives.
7 That's why we wanted to use this measure.

8 MS. ROSENBLATT: I thought I read that but what
9 you said before didn't sound like that. So it's all mapped
10 back to the beneficiary.

11 MR. GLASS: Back to where the beneficiary lives,
12 right. To the state of residence of the beneficiary.
13 That's why we in fact wanted to use this one.

14 So the first thing we adjust for is input prices.
15 Essentially you can do this by making them all equal to one.
16 When you do it you end up with 75 percent of the
17 distribution now showing up in those three central bars.
18 You can see that the whole distribution is pulling in and
19 getting taller. So a lot of the variation that people are
20 worried about to being with is simply that we pay different
21 amounts in different areas because input prices are
22 different, which seems reasonable.

1 MS. BURKE: Can I just, following up on Alice's
2 point. One of the things that confused me about this, not
3 the definition of how the numbers work, but the fundamental
4 question. If you are tracking the patient back to their
5 state, so essentially you're accounting in the state for the
6 expenditure, the practice pattern is not that state's
7 practice pattern. It's a pattern that exists in the state
8 in which they were services.

9 MR. GLASS: Right, or the area --

10 MS. BURKE: So that you're distribution in fact
11 isn't a reflection of what's occurring in those states.
12 It's occurring only to the extent that someone lives there
13 but they are going -- it happens only in those cases where
14 people really travel across boundaries.

15 MR. GLASS: Yes. But that's not uncommon thought.
16 So when we get down to talking about practice pattern you'll
17 note that we start saying, you probably don't want to look
18 at the state level any more.

19 MS. BURKE: Right, you want to look at a county.

20 MR. GLASS: Right, or a market.

21 MS. BURKE: But the bigger point is you're
22 bringing people back to where they live rather than where

1 they're served.

2 MR. GLASS: Right.

3 MS. BURKE: Which may be a fundamental problem.

4 MR. GLASS: No, I don't think it's a fundamental
5 problem, because I think that's what you want to do.

6 MS. BURKE: Sure, it is.

7 MR. GLASS: If the question you're trying to
8 answer is, are beneficiaries in my state getting the short
9 end of the stick here, I think is what you want to talk
10 about.

11 MS. BURKE: Except that your beneficiary in your
12 state may be serviced at the Mayo Clinic.

13 MR. GLASS: That's fine. That's why we're tracing
14 it back to the state where the beneficiary lives.

15 MS. BURKE: So it's not a question of the practice
16 there. It's a question of the practice where they're
17 serviced.

18 MR. GLASS: If the question you're answering is,
19 are the beneficiaries in my state getting shortchanged, you
20 want to know how much is spent on them, regardless of where
21 they get it.

22 MS. BURKE: But when you begin to try and

1 understand why the practice patterns are different, that's
2 not a function of where they live. It's a function of where
3 they're cared for.

4 MR. GLASS: That's right.

5 MR. HACKBARTH: And that point the state really
6 doesn't become an appropriate unit of analysis.

7 MS. BURKE: Right, or even the county.

8 MR. HACKBARTH: Or even the county, right.

9 MS. BURKE: It's not about where they live.

10 DR. REISCHAUER: Not to interrupt the smooth flow
11 of your presentation further, but the price adjustment is
12 the one for the place the service is delivered? So I live
13 in western Maryland but come into the District of Columbia
14 for half of my stuff and half of my stuff I get in western
15 Maryland. Do you weight the individual elements or deflate
16 the individual elements --

17 MR. GLASS: I'll get back to you on that.

18 DR. REISCHAUER: I think it's impossible to do is
19 what I'm thinking.

20 MR. GLASS: I'll ask. I don't remember which one
21 we did.

22 DR. ROWE: David, does this include GME?

1 MR. GLASS: GME is in those bars as they're
2 sitting there now. We later take it out.

3 DR. ROWE: But this includes it still.

4 MR. GLASS: Yes, it's still there.

5 DR. ROWE: Because that's one of the major sources
6 of variation, or a source of variation, right?

7 MR. GLASS: Yes. We'll get to that in a minute.

8 MR. HACKBARTH: In that spirit that we'll get to
9 that, why don't we go ahead and let David present. I know
10 that I was one who started this. I acknowledge and accept
11 full responsibility.

12 MR. GLASS: So if you take out input prices,
13 clearly you change the shape of this and in the way that one
14 would expect.

15 We then adjusted for health status. We did that
16 by looking at the HCC, hierarchical condition category risk
17 adjustment scores and we adjusted by that. We're trying to
18 get to the quantity of care beneficiaries use eventually.
19 We've also adjusted in here for Part A and B participation
20 rates, which is a very small effect but just different
21 states have different mixes of people who are Part A only
22 and Part B only.

1 So after those adjustments you can see how the
2 three central bars represent about 90 percent of the
3 distribution as opposed to about only 60 percent when we
4 started, and the standard deviation has dropped to 480 from
5 740. So you can see that just adjusting for these things
6 that seem very reasonable to adjust for gets rid of a lot of
7 the variation and presumably a lot of the concern that
8 people have that their beneficiaries in their state are
9 getting incredibly shortchanged. There are still some
10 outliers in this distribution but most of it has moved
11 towards a central tendency.

12 You can see the effect. The black bars are where
13 we started, the gold bars are where we ended up. Any
14 payment system that didn't account for input prices you'd
15 kind of wonder about that. And if expenditures didn't vary
16 by health status you'd find that pretty unusual too. So
17 this is not an unexpected result, but we're trying to show
18 that it's important to look at these things and adjust for
19 them before you start arguing about, our your beneficiaries
20 getting shortchanged or not.

21 So the question is, is the remaining variation a
22 source of concern? Are areas with more use getting higher

1 quality and those with less use being punished? We want to
2 try to look at the question at some level at least. So when
3 we do that we also now adjust for GME, DSH, and IME, which
4 doesn't make the bars look all that different. It moves
5 states up and down. It changes the state's position around
6 but leaves the distribution unchanged. That's a subtlety
7 about what order you do things in to say, how big is the
8 contribution of this or that. We'll get into that in the
9 paper when we write it, but from here on out we've also
10 adjusted for IME, GME, and DSH.

11 Now this doesn't show up on the overhead too well
12 but I hope you can see it on yours. What this is is a
13 picture where we've gone to an ordinal measure. We ranked
14 the states on the bottom in ascending of adjusted service
15 use per beneficiary. We're calling it adjusted service use
16 because essentially we've taken the payment side of it out.
17 So the states that are at one is the lowest use, and state
18 out at 51, at that end, is the highest use. What we've
19 plotted it against is a measure of high and low quality,
20 also ordinal, that was used in a JAMA article fairly
21 recently. It's based on how frequently Medicare patients
22 receive 24 preventive measures or treatment methods that

1 have strong indications of improving outcomes. So it's a
2 measure of quality that others have use.

3 What jumps out at you is that many of the states
4 with low adjusted service use, over near the origin there,
5 have relatively high quality, and many of the states with
6 high adjusted service use have relatively low quality. We
7 put a trend line in there to help visualize that. So if the
8 concern was that low-use states have low-quality care,
9 they're not getting their fair share, the beneficiary is
10 being shortchanged and not getting high-quality care, that
11 concern isn't supported by the data, as we see it.

12 DR. ROWE: There's not a typology here. The
13 quality measure does not have imbedded in it some measure of
14 utilization or volume.

15 MR. GLASS: No, it's just a percent of patients
16 getting aspirin within 24 hours after an MI, that sort of
17 thing. It's that percent of people getting beta-blockers or
18 a percent getting certain vaccinations and that sort of
19 thing.

20 DR. REISCHAUER: But some of it is mammography or
21 screening and things that in fact back Medicare pays for.
22 You just listed a series of which Medicare doesn't pay for

1 but some of them Medicare pays as well. So it is in
2 utilization.

3 DR. ROWE: But it would work in the opposite
4 direction.

5 DR. REISCHAUER: That's what I'm saying.

6 DR. ROWE: Because the more flu shots and
7 mammograms you do, the higher volume it would be, and that
8 would make this relationship even steeper.

9 DR. REISCHAUER: Stronger. It's a stronger story.

10 DR. ROWE: I'm not trying to see whether it would
11 be stronger or weaker, I just want to understand if there is
12 a volume piece in here. We may want to correct for that at
13 some point if it's important.

14 MR. GLASS: We're not trying to quantify things
15 too much here. That's why we're doing things ordinarily.
16 Anyway, we found this an interesting fighting.

17 We'd also point out that if one tried to equalize
18 payments to states by, for example, just simply upping the
19 use in lower-user areas by overpaying or something like that
20 you'd run into, in addition to all the other problems with
21 that you'd run into the problem of the beneficiary liability
22 would go up. Again here we've plotted the relationship

1 between state's service use on the bottom and beneficiary
2 liability of the left, on the Y axis. Again, pretty
3 clearly, if you do a lot of use your beneficiary liability
4 tends to go up.

5 So if you were to just try to bring up the lower-
6 use states for some reason, your beneficiaries might not
7 like it all that much because their liability would go up as
8 well. And when that went up probably Medigap in that area
9 would go up, and employers up, and all that sort of stuff.
10 And it's doubtful that increasing use in the lower-use
11 states would improve quality, as we saw from the previous
12 slide.

13 So what we've been talking about so far is state
14 level use. The only point of this graph is to say that even
15 if variation by state were eliminated you'd still have
16 variation at other levels. For example, this is county per
17 capita service use, unweighted in this case, in Iowa, which
18 people often think of as a fairly low-use state. The point
19 is that use here varies by a factor of two between the high
20 and low-use counties. So even eliminating variation at
21 state levels probably wouldn't eliminate variation per
22 capita at the county level or any other level you want to

1 calculated it at.

2 DR. REISCHAUER: Do you have any ability to do
3 this for more than a one-year period? Because once suspects
4 that the --

5 MR. GLASS: These would jump up and down.

6 DR. REISCHAUER: -- the outliers are small
7 counties and you have one heart transplant and it --

8 MR. GLASS: Yes, we could do it for that. Since
9 our point here is just to show that it varies it doesn't
10 make -- but, yes, one would think that that would smooth it
11 a little bit. I think actually we tried it and it didn't
12 make too much of a difference. Counties might change
13 positions but it didn't do too much.

14 Now what this also drives us to is to remember
15 that beneficiary characteristics and provider practice
16 patterns are predominantly local phenomenon, as you pointed
17 out. Others have investigated at the market level, Wennberg
18 and company have done that, and they've showed that supply
19 of physicians and hospitals make a difference, and other
20 things make a difference. So in your paper we started to do
21 that a little bit. We have a few preliminary results but
22 we're not going to go into them this month. We're going to

1 try to develop those a little more for next month.

2 So what's our preliminary conclusions? The first
3 is this measure of Medicare payment that has often been
4 cited as misleading for analyzing variation in Medicare
5 spending and obviously they should use our measure instead.
6 Most variation is caused by differences in the cost of
7 inputs and differences in use arising from differences in
8 health status; not a surprising finding. And the remaining
9 variation could be caused by differences in practice
10 patterns, difference in beneficiaries' characteristics and
11 that sort of thing. Those have to be probably investigated
12 at a lower level rather than the state level.

13 I think one of the more interesting conclusions so
14 far is that higher quality doesn't seem to follow from
15 higher use. Equalizing state payments by increasing use
16 would increase beneficiaries' costs sharing in low-use
17 states; not surprising. And the causes of remaining
18 variation -- what are we going to do about the variation
19 remaining after we've done all the adjustments we have? We
20 don't think you can look at those at the state level very
21 well and we're going to have to -- if we need to look at
22 those we're going to do it at a lower level. In the paper

1 we use something called the hospital market areas and there
2 are about 360 of them or something.

3 DR. ROWE: David, are you correcting for age?

4 MR. GLASS: Yes, I think so. When we do all the
5 risk adjustment for health status that's in there.

6 DR. ROWE: For health status, that includes an age
7 adjustment.

8 MR. GLASS: Yes, we've rolled that in there I
9 think.

10 MR. SMITH: David, does the beneficiary
11 characteristics include Medigap, employer wraparound? Is it
12 possible that some of the service use is connected with the
13 availability of supplemental insurance and the distribution
14 of that across --

15 MR. GLASS: It probably is. I don't know whether
16 we'll be able to get at it because it's a question of how do
17 you find out what supplemental insurance people have in
18 smaller areas. I think that's a little hard to do because
19 of the data sources available on it. But I think Scott may
20 be talking -- Scott is going to talk about supplemental
21 coverage and how that varies in a little bit.

22 MS. BURKE: I wondered where in the calculus one

1 assumes the mix of services offered by a provider and what
2 impact that might have. For example, we know the
3 adjustments for teaching hospitals; they're quite explicit.
4 But for example, the presence of an ER, the presence of
5 research activities, that may or may not get picked up in
6 the context of teaching. The presence of a psych unit.
7 There was a particular mention of home health and long-term
8 care and whether those were operative activities in the
9 hospital. But I wondered whether or not there were other
10 aspects of service by their nature that lead to greater
11 utilization. I didn't see that mentioned. I just wondered
12 if that was picked up through acuity or there was some other
13 way of picking that up, or whether it had an impact.

14 MR. GLASS: I don't think we have any way of
15 picking that up. We think it may be an issue like the
16 presence, are there long-term care hospitals in the area or
17 not. Interesting question. We haven't delved into it yet.

18 MS. BURKE: But specific to the hospital.
19 Hospitals that have ERs get a certain kind of admission.
20 You're likely to see certain kinds of behaviors. The
21 presence of those kinds of services in an area are likely to
22 lead to a certain level of acuity and a certain delivery of

1 service.

2 MR. GLASS: But that would be a very small area
3 you're talking about and we certainly aren't going to drop
4 to that -- I think even Wennberg and those guys look at
5 hospital referral regions which at least have one large
6 tertiary care hospital that does certain kind of things and
7 usually include a whole number of hospitals in the hospital
8 referral region. So I don't think anyone drops down to the
9 single hospital level that I know of.

10 DR. NEWHOUSE: Let me compliment you particularly
11 on the quality graph. I think that will add something. I
12 was going to try to make Bob Reischauer's point somewhat
13 differently. Some of the variation you observe even at the
14 state level is random. What you're interested in is how
15 much of this variation in some sense is systematic. One way
16 to get at that is the way he suggested, which is to average
17 several year, which is in fact how we do the AAPCC at the
18 county level, and see how much variation remains, or how
19 much you take down the variation when you average in more
20 years. Because use of a year is really an arbitrary period.
21 So you might want to consider that as a subsequent thing to
22 do.

1 MR. GLASS: We'll do that.

2 DR. WAKEFIELD: Actually David asked one of the
3 two questions that I had. David, I just want to say, I
4 think you did a great adequate starting to help clarify some
5 of the issues around variation so thanks so much for this
6 work. How it gets used remains to be seen but it's a really
7 nice start in terms of teasing apart some of these pieces.
8 I think it's also a nice piece to accompany the information
9 behind Tab D that we'll be discussing in a bit, because
10 there too we get some good clarity brought to some of these
11 issues.

12 The one question I've got for you is -- it's more
13 of a comment. On the sources of variation in cost,
14 specifically input prices -- this is a little bit of a
15 second order item but I'm wondering if we might, when this
16 gets written up, include a nod to the variation that we know
17 is not quite on point all the time in terms of accuracy or
18 fairness of some of the inputs like wage index payment
19 without getting into the details. But saying that these are
20 the mechanisms for payment. We know that within them they
21 are not in all cases accurately capturing cost, accurately
22 reflecting cost on the provider side in terms of accuracy of

1 payments. Do you follow what I'm suggesting?

2 MR. GLASS: Yes, I think Julian actually will be
3 getting into some of that, how we might actually go about
4 quantifying some of that.

5 DR. WAKEFIELD: It's more just if we could reflect
6 that we know already from work we've done previously that
7 there is some discrepancy in the accuracy of those
8 adjustments.

9 MR. GLASS: From work we've done previously I
10 don't think that was all that --

11 DR. WAKEFIELD: The wage index, for example.

12 MR. GLASS: I thought that generally supported it.

13 DR. WAKEFIELD: Yes, so I'm saying, could we
14 reflect that here when this is written.

15 MR. HACKBARTH: The problems with the wage index I
16 think tend to be more hospital-specific problems. For
17 example, the hospital that's close to a boundary and ends up
18 with a wage index that arguably is much lower than they
19 ought to give, given their labor market area. But the
20 analysis that we've done looking at the wage index overall
21 would seem to indicate that it's actually a pretty good
22 proxy. For example, it correlates very highly with the cost

1 of living differences across the country. So in this case
2 we're stepping back and looking at the big picture as
3 opposed to the very legitimate hospital-specific issues that
4 sometimes come up with regard to the wage index. But in the
5 aggregate it's actually pretty good.

6 DR. WAKEFIELD: I take your point and maybe then -
7 - obviously what you're suggesting, Glenn, is to not
8 necessarily go there. I guess my concern when I read this
9 was, the takeaway that somebody could have reading this,
10 assuming that we've got the payment policies just right.
11 And was there the possibility that that could be
12 contributing to some of the variation, if you don't have
13 those payment policies just right. But you think that's too
14 far a step removed from this discussion though.

15 MR. HACKBARTH: No, I think it might well be worth
16 it to make this distinction clear. Here we're talking about
17 aggregate analysis. That does not mean that there are not
18 legitimate hospital-specific issues about payment fairness.
19 It's just not the question that we're answering here.

20 MS. BURKE: I wanted to just follow up just to ask
21 a further clarification. To what extent will these
22 indicators pick up the -- and it may be through the wage

1 index-- pick up the difference in staffing patterns and how
2 much of a contributor? For example, the use of RNs as
3 compared to LPNs, which is a substantial difference in cost
4 that's incurred by a hospital, and that varies around the
5 country in terms of the availability, the choice of how one
6 staffs up. To what extent and how is that picked up, or is
7 it, or does it need to be?

8 MR. GLASS: It's not picked up at all in the data
9 we have.

10 DR. NEWHOUSE: It's just the DRG payment.

11 MS. BURKE: Yes, but I'm not sure that the DRG
12 payment fully picks it up either.

13 DR. REISCHAUER: It's the average.

14 MS. BURKE: Right, it's the average. But if part
15 of this exercise is to understand some of the variables that
16 exist that lead to differences --

17 MR. ASHBY: [off microphone] Could I clarify that
18 point? As the wage index is constructed today it would,
19 unfortunately, be picking up the exact factor that you're
20 talking about.

21 MS. BURKE: Because you'll have a higher input
22 price for --

1 MR. ASHBY: Yes, because it will be registered as
2 a higher input price. We have long said that the wage index
3 should neutralize that factor and that's what we refer to as
4 occupation mix. So when the wage index is fixed along those
5 lines, one would think it would contribute to a further
6 narrowing of the geographic variation, because in fact
7 occupation mix is raising the values in large urban areas in
8 states like New York, Massachusetts, and the like, and it is
9 tending to do the reverse in some of the smaller, sparsely
10 populated states.

11 DR. NELSON: I join the others in complimenting
12 you, David. This is very well done.

13 In the text you touch on capacity as a factor with
14 reference to physician population ratios being a variable
15 that influences expenditure. I'd like to push that a little
16 further. If we begin with the hypothesis that one of the
17 major factors is capacity, both on the hospital side as well
18 as on the physician side, do the curves look the same for
19 Part A as Part B? Do Part A expenditures to some degree
20 parallel Part B? Do they go together or are they
21 incongruent ? Is the curve either wider or tighter?

22 If it would be possible to examine that further I

1 think that would be interesting to see.

2 MR. GLASS: We can look at that.

3 MS. ROSENBLATT: I want to add to the list of
4 people complimenting the chapter and I particularly liked
5 the chart on quality versus dollars.

6 One way of dealing with the effect of the large
7 claim that Bob mentioned would be to truncate any
8 individual's claim as well as running multi-year. You could
9 also see what a truncation does. What this opens up in my
10 mind is the AAPCC county rates. It might be interesting for
11 us to try to blend that into that chapter. We're answering
12 one question but it certainly leads to that question.

13 I should know the answer to this but maybe
14 somebody can help me. The ratio that we're talking about
15 being misleading, is that the starting point for the county
16 rate calculation or did they map it back to the beneficiary
17 as well?

18 MR. GLASS: No, the AAPCC starts with the same
19 number that we started with here, the fee-for-service by
20 county.

21 MS. ROSENBLATT: So it is mapped back to the
22 beneficiary.

1 MR. GLASS: Yes. That's in fact where we get this
2 from, the same database.

3 MS. ROSENBLATT: But it still leads to the
4 question of, is the AAPCC starting point, which is the
5 county fee-for-service rate, an appropriate starting point?

6 MR. GLASS: The objections we've had to that in
7 the past are small areas bouncing around, which is why we're
8 looking at the state level. That isn't an issue I don't
9 think.

10 MS. ROSENBLATT: But I guess the point I'm trying
11 to make is if there's a lot of unexplained variation then
12 does it make sense for that to be the starting point?
13 That's a question.

14 MR. GLASS: For M+C? I think that goes back to
15 our usual discussion over it seems to be small an area in
16 some places, too big in others. You'd like to approximate
17 market areas more reasonably.

18 MS. ROSENBLATT: I'm just suggesting that maybe
19 that should be added to this chapter.

20 MR. GLASS: Yes, I guess we could.

21 DR. REISCHAUER: Let me add my compliments to you
22 and to Dan, who I know can't be here. I think this is

1 really an excellent piece of work. I had one question which
2 was just a clarification and then a comment, which I'm not
3 sure I agree with but I think it's worth exploring.

4 My question for clarification is, you've made
5 adjustments for what you call Part A and Part B
6 participation rates and I wasn't quite sure what that really
7 meant. It's really the ratio of people who have A but not
8 B. It's not the individual rates of each which --

9 MR. GLASS: No. Some people have Part A -- in
10 some states a different proportion of people have Part A
11 only, and others one will have Part B only, and we just
12 adjust -- it makes almost no difference at all. It just
13 seemed the right thing to do.

14 By the way, I was told that the fee-for-service
15 numbers we're using we think are -- are apparently three-
16 year averages as they are.

17 DR. REISCHAUER: The second comment that I want to
18 make has to do with the quality versus service use chart
19 which is sort of the bombshell chart. At one extreme you
20 could say, the more services you provide, the worst quality
21 is. That would be a stretch but it would be a good
22 headline.

1 I'm thinking as an economist, factors of
2 production are paid less in some places than others.
3 Somebody might argue that they're less efficient. They're
4 seemingly the same factors but they really aren't. Maybe
5 you should run the same chart not adjusting for price
6 differences.

7 DR. ROWE: Can you explain that again, Bob?

8 DR. REISCHAUER: Factors of production can be paid
9 differently because the market is different, or in local
10 area cost of living is different, or whatever. Or in fact
11 they are less efficient. We call an hour of labor the same,
12 but it really isn't. The skill level is different, et
13 cetera. It would be interesting -- but we're making an
14 adjustment for these price differences and the price
15 differences -- and maybe we shouldn't when we're looking at
16 the quality.

17 So take extreme example, it takes four visits -- I
18 don't want to use a state here or I'll get a lot of hate
19 mail. It takes four visits to a doctor in Mars to get the
20 same results as one visit in Pluto. And the doctors on Mars
21 have a wage rate that's one-quarter what the doctors on
22 Pluto have. Would we care?

1 DR. ROWE: I guess what I was trying to understand
2 is whether your correction -- the total cost corrected for
3 all the inputs and everything else are a function of the
4 kind of unit costs and the volume. So we have total costs
5 and an axis, or something like that, and then quality on the
6 ordinate, or vice versa. It would seem to me -- what I was
7 trying to do was get to an analysis that didn't have the
8 unit cost in it and just had the volume and looked at the
9 relationship of volume to quality. But it sound like --
10 that's why I was asking you whether that's where you were
11 going. Is that another way to say what you were doing?

12 MR. GLASS: That's essentially what we have.

13 DR. REISCHAUER: That's what we have. But what
14 I'm saying is, what if you spend \$100 on Pluto and \$100 on
15 Mars, what's the quality outcome in those two situations?

16 MR. GLASS: We can certainly run it that way and
17 see what it looks like. We'll leave it to you to interpret
18 it.

19 MR. HACKBARTH: David, the graph that's labeled
20 beneficiary weighted state level per capita expenditures
21 adjusted for input prices, the fifth one in the packet, is
22 that just input prices or is that all of the policy

1 adjustments like teaching adjustments and the like?

2 MR. GLASS: No, that is simply input prices. We
3 did the other ones later. We didn't show it in this one.

4 MR. HACKBARTH: They weren't in this packet.

5 MR. GLASS: Again, it turns out if you do it at
6 the end of the process -- we did it at the end of the
7 process because those include not just cost factors but also
8 the policies such as -- like the IME over --

9 MR. HACKBARTH: In fact that might be one way to
10 characterize that there is some --

11 MR. GLASS: That's why we did it last.

12 MR. HACKBARTH: A certain amount of the variation
13 is by design. It's the result of conscious policy. We can
14 argue whether it's good policy or bad policy, but it's fully
15 an intended variation. Then there's a residual that is not
16 explained by that.

17 One take on this is, for some people unless you
18 read it very carefully, might be that the variation isn't as
19 big as it seems at first glance. For people who aren't
20 reading carefully they may see that as being at odds with
21 Jack Wennberg's work which emphasizes how big the variation
22 is and how important it is. I don't see this work as being

1 at all inconsistent with Wennberg's. We're just talking
2 about difference pieces of the puzzle. I think it will be
3 very important to present that clearly so that there's no
4 confusion about it.

5 MR. GLASS: We'll try to do that. All that we've
6 done at the beginning here they've already adjusted for
7 before they start talking about variation.

8 MR. HACKBARTH: Basically Wennberg is talking
9 about the residual.

10 MR. GLASS: Right. And we're trying talk about --

11 MR. HACKBARTH: The other stuff.

12 MR. GLASS: The simpler stuff first.

13 MR. DURENBERGER: I'm assuming that this product
14 is going into a June market to be read on the Hill and
15 places like that because the issue of state-by-state equity
16 has been raised, and I'm probably the first guy that raised
17 it, at least the first member that raised it. Sheila knows
18 that and I spent a lot of time with this sort of thing.

19 I watched the evolution of the Medicare Justice
20 Coalition, the fight over pay equity. Then I watched the
21 congressman last year who ran his campaign on this. So I'm
22 looking at when I'm reading this, I'm trying to pretend what

1 impact is that going to have on that same congressman or on
2 Chuck Grassley, the chairman of the Finance Committee or
3 something like that.

4 I sort of come to the conclusion that explaining
5 the difference between what Jack Wennberg has been doing for
6 35 years and this is a subtlety that's going to get totally
7 cost on a whole lot of people unless it is somehow
8 repositioned. I'm trying to struggle with how best to
9 reposition it so you can get maximum value from the
10 research, which is very good, but also maximum impression
11 that there's more to this issue of how they pay in Medicare
12 than just 1,099 in Banner, Nebraska versus 9,000-something
13 in St. Charles County, Louisiana, or my favorite, Miami and
14 Minneapolis.

15 The point is there is more to it than that. So
16 when I think about how to position the issue initially, how
17 to create why we're doing this, it's not so much a response
18 to the state-by-state equity as it would be a legitimate
19 question that we should raise, as all payers should raise,
20 as to whether or not things like overuse, underuse, misuse,
21 and so forth are in some way facilitated by the payment
22 system. And then what is it about the payment system that

1 causes overuse. And then the research says, overuse does
2 not improve quality. I think this is what this one
3 tentatively says. Jack's will say, overuse areas or
4 overexpenditure areas actually have worse access. There's
5 some tentative conclusions we could come to if we're
6 thinking about this as public policy.

7 But the point is, what role is the payment system
8 playing in achieving the result we want or the result we
9 don't want? Then I would guess that would lead us to a
10 research agenda which says, okay, if you want to change
11 this, don't do what Durenberger foisted on you and his crowd
12 in the mid-'90s which was the floor, and Mary Wakefield and
13 others. We said, let's just raise the floor, and now
14 they're raising floors and things like that. It would lead
15 you then to some form of a research agenda that would say,
16 if they want the spending system or the payment system to
17 achieve these particular ends, then we need do the
18 following.

19 I told Joe I read with interest the piece that the
20 Harvard group had in the latest issue of Health Affairs
21 which is a long research agenda. It looks like to the year
22 2010, something like that, to get to the answer.

1 DR. NEWHOUSE: You can up the AHRQ budget and get
2 it done faster.

3 MR. DURENBERGER: My point simply being, we're
4 really dealing in such a simplistic environment where if you
5 look at the stuff on -- and we've been perpetuating this.
6 You look on its face, it looks like inequity. Just to say,
7 it's not the inequity that you think it is I don't think
8 helps as much as if you give them another reason that they
9 ought to invest in a process of finding out what is the best
10 solution to the problem for Iowa or whatever the case may
11 be. So it's just kind of like, how do we set it up? I'm
12 not arguing against what's in here as much as, or as well as
13 the rest of you did, but how do we set this up for its
14 presentation in June?

15 MR. HACKBARTH: In several different places in the
16 papers for this meeting this issue comes up, that the
17 relationship between quality and cost, or quality and
18 utilization may not be what people suspect; that more is
19 better. The one chapter where we delve more specifically
20 into the policy responses is in the discussion of incentives
21 for quality. As you'll recall there's discussion there are
22 about how to reward providers who are providing high quality

1 while using fewer resources. Not that that's the end of the
2 conversation by any stretch, but this is an important theme
3 as I see it of various chapters in the June report.

4 We're running out of time here. We've got a few
5 more people. Carol, Nancy-Ann, Joe, and then Mark.

6 MS. RAPHAEL: I was just wondering if we knew
7 anything at all about the percentage of dually eligible in
8 the states, because to some extent I find that a proxy for
9 high utilization. I don't know if that's true throughout
10 the nation but I'd be interested if we had any information
11 on that.

12 MR. GLASS: I'm sure we have data on it. We
13 haven't put it in here. I don't think we've tested that as
14 an explanatory variable.

15 MS. RAPHAEL: There is something in the Medigap
16 chapter.

17 MR. GLASS: Right. But there is data.

18 MS. RAPHAEL: Then the other observation I would
19 have is, Americans love rankings and here we're ranking
20 states. Are they going to would remain anonymous in our
21 report? Because I can really seen a request by states to
22 where do I rank in all of this, and which is the number one

1 state, and which is the 50th state. How do we plan to
2 handle that?

3 MR. GLASS: Mark, you can answer that one.

4 MR. HACKBARTH: As I've recall the Steve Jenks
5 piece listed states so the quality rankings are public and
6 certainly the cost rankings are no secret either.
7 Personally, I don't think any of this is confidential in any
8 way so I think we ought to include it myself.

9 DR. MILLER: Yes, I think you've put your finger
10 on a dilemma that comes up in all of this. We felt that
11 this question was really important to investigate because
12 people are talking about it, but I fear the notion that
13 people will ask, cut it this way, cut it that way, cut it
14 this way. At some level there may be something to
15 publishing things in the report and saying, we looked at
16 this information. I fear the second wave that comes behind
17 it and has the staff just churning through thing multiple
18 different directions. That I am going to try and hold the
19 line on.

20 But the dilemma was to answer this question at
21 all, it just seemed so much is being talked about on the
22 Hill that to leave it alone entirely also was a problem. So

1 it's a dilemma.

2 DR. REISCHAUER: I think it gives a very
3 misleading impression to actually put the states' names in
4 here because these are rank ranks and you could have 30
5 states that are imperceptibly different from one another but
6 because of the way you do the axis on a ranking it makes it
7 look like something is going on that maybe isn't really
8 there.

9 MS. DePARLE: CMS uses quartiles for that reason.

10 MR. HACKBARTH: If I were to do it I would
11 actually put an appendix that has the raw data by state as
12 opposed to just the ordinal ranking. I agree with your
13 point on that.

14 We need to bring this to a conclusion. I want to
15 give a couple people who haven't had a chance to say
16 anything an opportunity.

17 MS. DePARLE: I will be very quick. I thought
18 this analysis was terrific and it really moves the debate
19 forward on these issues. Just focusing back on the charts
20 and the analysis about the relationship between states
21 service use and quality of care, I realized I wasn't clear
22 after reading this and maybe it should be clear about

1 whether -- are we talking about states beneficiary service
2 use or are we talking about spending? At some point you say
3 spending.

4 MR. GLASS: It's what we call adjusted service
5 use, and we think we've taken a lot of the spending factors
6 out of it.

7 MS. DePARLE: So it really is mostly service use.

8 MR. GLASS: Yes, we're trying to get it down to
9 service use.

10 MS. DePARLE: Can we say anything about what
11 services we're talking about? Can we say anything more
12 about --

13 MR. GLASS: We could probably say something about
14 Part A and Part B.

15 MS. DePARLE: Because that might be interesting,
16 if we were able to characterize those quality indicators
17 that CMS came up with, about where they would fall. And to
18 get to Dave Durenberger's question, something like the beta-
19 blockers that's captured in the DRG somewhere. Just in
20 drilling down to see whether the payment system can somehow
21 in some way facilitate or encourage one type of utilization
22 versus another. I don't know whether it's possible to look

1 at that.

2 MR. GLASS: We're not going to be able to get to
3 that I don't think. And whether the payment system could
4 even be expected to solve all these things --

5 MS. DePARLE: No, but I think it's interesting to
6 think about, so I just wondered how much data we had on
7 that.

8 MR. SMITH: I'll try to be brief. David, I'd
9 belatedly join others in saying I found this both
10 informative and provocative, so in that sense it was a
11 terrific piece of work and I appreciate it.

12 Dave Durenberger's question seems to me raises the
13 question of how to -- he raised the framing question. One
14 way to read this draft is it vindicates the payment system.
15 Saying that we don't have problems with the payment system
16 isn't going to work in this environment. But it may be that
17 the way to frame this is the focus on the unexplained
18 residual, really to try to vindicate the payment system.
19 We've got practice patterns and we've got beneficiary
20 characteristics. We talk about those later when we talk
21 about Medigap, when we would talk about dual eligibles that
22 Carol raised.

1 But instead of writing the chapter to make the
2 variation go away, to write the chapter so that we focus on
3 where the sources of variation really are, and you do that
4 it seems to for me at the end when you raise practice
5 patterns and beneficiary characteristics and we ought to say
6 more about that.

7 But actually I wanted to add a third item, which
8 is the question that Sheila raised a little bit earlier, is
9 there a Say's law, a build it and they will come phenomenon
10 here as well?

11 Is there something on the supply side which is an
12 important piece of understanding utilization variations? I
13 don't know that we have the data to get at that, but it
14 seems unlikely, and particularly when you read this back to
15 back with the physician service utilization draft, there's a
16 subtext there that suggests, and Wennberg's stuff suggests
17 that there's something about the supply side which is
18 important to understand. To the extent we can I think it
19 would be useful to add that as an at least worth exploring
20 piece of an explanation of the residual.

21 MR. GLASS: We might be able to show a correlation
22 but we couldn't show a causative -- they build it and they

1 came or was everyone wanted to come there so --

2 MR. SMITH: I understand. I think taking note of
3 it would richen the mix in a useful way here. I understand
4 that we don't understand chickens and eggs.

5 DR. NEWHOUSE: I actually want to speak against
6 that for just that reason. That is, for all we know more
7 doctors or higher priced specialist doctors are in areas
8 where people are sicker. Therefore, we don't -- it really
9 is the case that we don't know how to attribute this
10 variation.

11 So I would have us try to stop with the
12 beneficiary characteristics and -- because I just don't
13 think one can interpret -- the problem is, if you do this it
14 will invite the interpretation that what we need to do is
15 reduce the supply in the high rate areas or boost it in the
16 low rate areas and we don't really know.

17 MR. SMITH: I think we don't know, Joe, but I
18 don't think we can produce this collection taken in its sum
19 and not say this question bubbles up. Now we may want to do
20 that in a way which expresses a great deal of caution, as
21 you appropriately raise but I don't, at least I couldn't as
22 I tried to read this stuff on a plane over the weekend, I

1 could not put away -- the missing explanatory variable here
2 is the supply side of the equation and at least we ought to
3 say that, even if we can't say much about it.

4 DR. NEWHOUSE: I think they can certainly raise
5 the issue of what to attribute the residual variation to,
6 but I read this as, of the gross variation how much can we
7 explain with these factors. The framing issue is really, is
8 the glass have empty or half full, having come to that
9 point. I guess we'll leave to -- in terms of further
10 analysis I would not want us to go down that road I think
11 because I don't we have anything to say when we get to the
12 end of it about what to do.

13 MR. SMITH: I don't think I know enough, but I'd
14 be interested in knowing whether the road ought to be
15 traveled.

16 DR. NEWHOUSE: One small note. I do think we need
17 to be very clear about what time period we have because the
18 slides and the figures in our book say 2000 and now you're
19 saying three-year average.

20 MR. GLASS: We'll clarify that.

21 MR. HACKBARTH: Okay, we need to move on.

22 Thank you, David. Good work.

1 Next up is health insurance markets for Medicare
2 beneficiaries.

3 DR. BERNSTEIN: Good morning. Before I start I
4 want to go through a couple of quick points. The bottom
5 line here is that sorting out what's going on in different
6 markets for different insurance products, or other ways of
7 supplementing Medicare in different parts of the country for
8 different kinds of beneficiaries with different needs and
9 different preferences is challenging. That's what we really
10 want to do here is to lay out some of the reasons why it
11 seems useful for us to take a closer look at some markets,
12 which is what we plan to do.

13 Secondly, I want to emphasize that the goal here
14 today is to focus on these issues from the perspective of
15 the beneficiaries. Sometimes the discussion is going to
16 shift to what's going on from the perspective of plans or
17 insurers. Those issues are clearly important. We're going
18 to talk about them in the chapter as we develop it but we
19 don't have time to do everything at once. I'd also mention
20 that whereas David's presentation was billed as a 101 level,
21 this is an AP class. We're kind of assuming that the
22 material that we talked about in developing the chapter in

1 the March report is still relatively fresh in your mind. If
2 I skip over anything important or you need some background
3 information that's not here, Scott will fill you in.

4 So what we want to do here is to look briefly at
5 some interrelated aspects of market structure, quickly move
6 through some preliminary analysis that Scott has been doing
7 and talk about some of the issues that have come up earlier
8 today in terms of what kind of data are out there and what
9 you might be able to glean from them about different kinds
10 of insurance and other supplementation, and then to talk a
11 little bit about we plan to do in the June report and some
12 more in-depth work we plan to do thereafter.

13 The first of the interrelated issues that we're
14 trying to use to frame these concepts is the importance of
15 the difference between individual versus group market
16 products that are available to Medicare beneficiaries.
17 These products can look pretty different to beneficiaries.
18 When it comes to individual insurance beneficiaries are kind
19 of on their own when it comes to purchasing Medigap policies
20 or to looking at their choices among M+C options. As we've
21 talked about in previous sessions, the M+C market was pretty
22 volatile there for a couple years. The choices for

1 beneficiaries who do have a choice among alternative plans
2 can be pretty hard to sort through.

3 Medigap is very different. The reforms enacted in
4 OBRA 1990, which included standardizing the policy types
5 that can be marketed to beneficiaries reduced the level of
6 confusion considerably and reduced the potential for abuse
7 in the Medigap market, but it can still be a little bit
8 complicated for beneficiaries. There are or there may be,
9 in addition to policies I through J, high deductible
10 options, and a Medicare Select options. But not all of
11 these options or even all of the basic policy types are
12 marketed in all areas. Scott will mention a little bit of
13 that later too.

14 I'd also point out that once beneficiaries have
15 made their initial choice of a Medigap plan after they reach
16 age 65, many of them stay with that plan for a very long
17 time. About one-fourth of beneficiaries still have the same
18 pre-standard policy they had when the OBRA reforms were
19 enacted in 1990.

20 The employer-sponsored market --

21 DR. REISCHAUER: Jill, is that one-quarter of the
22 people who are still alive or one quarter of all --

1 DR. BERNSTEIN: It's one-quarter of the
2 policyholders. It's using NAIC data. Of the policies that
3 were sold, about a quarter of them -- or that were paid for
4 in that year, a quarter of them were prestandard, close to a
5 quarter. There are also a large number of people who are in
6 plans which are not open, are no longer open and haven't
7 been open in at least three years. So it's clear that even
8 people in standard plans, there's some evidence they don't
9 move around a lot either.

10 Back to employer insurance. Employers can
11 purchase group insurance on behalf of retirees or they can
12 contract with M+C organizations on behalf of groups of
13 retirees. They subsidize some portion ranging from none to
14 all, usually most, of the policies. These contracts can
15 include a range of benefits covering both Medicare-covered
16 and non-covered services. In the last couple of years CMS
17 has made some important changes to make it easier for
18 employers to work with M+C plans to set up contracting
19 arrangements which allow employer groups and unions to have
20 greater flexibility in the design of the benefits packages
21 that are negotiated with the M+C plans.

22 For beneficiaries, group versus individual

1 products can look very different. The group benefits are
2 not standardized across employers and there can be some
3 variation in the structure of the benefits among the choices
4 offered to employees. Most employer coverage is designed in
5 what they call carve-out, which means that beneficiaries end
6 up having, after Medicare pays its part they have about the
7 same level of protection that working employees have using
8 their employee-based insurance. That means that most of
9 them have more comprehensive coverage than Medicare. Most
10 have drug coverage. Most have coverage for some
11 supplemental services such as either dental care, or eye
12 care, vision care, things like that. But they also may have
13 higher out-of-pocket liability at the point of service with
14 respect to copays and deductibles and those have been
15 increasing over the last couple of years.

16 The final point here is that for most retirees who
17 have employer-based coverage there's no choice at all when
18 it comes to the market. Choices are made for them by their
19 employer and except for large public employers and large
20 private sector employers most only have one or possibly two
21 options when it comes to picking up retiree insurance. It's
22 basically you take it or you don't.

1 Related to the issue of group versus individual
2 markets, we come to the issue of federal and state
3 regulations which applies to these policies. Medigap is
4 subject to federal standards and most states have adopted
5 regulations based on the model regulation that was developed
6 by the National Association of Insurance Commissioners.
7 However, a number of states have enacted additional law and
8 regulation governing Medigap. Some states have extended
9 open enrollment and community rating provisions for disabled
10 beneficiaries under 65 who are not given these protections
11 in federal law. Some states mandate community rating for
12 all beneficiaries. Some have extended the open enrollment
13 protections which may apply to all or some of the Medicare
14 policy types.

15 There were two figures in your mailing materials
16 that were put together recently by NAIC to try to summarize
17 all these. I'd caution you, however, in looking at those
18 data that each state does it a little bit differently. The
19 fact that they're in one column or the other doesn't mean
20 they're alike. Some of the them offer protections for plan
21 A, or plan C, or plan A and C and F, and some of them for
22 different numbers of months. You really have to look at

1 them on a state-by-state basis to see what's actually
2 involved.

3 That's actually the point here. For
4 beneficiaries, the difference in how states regulate Medigap
5 can affect the availability of the policies. Their
6 regulation can also affect how much the policies cost, and
7 there are differences in how tightly states review rate
8 increases, and deal with market entry and exit, and deal
9 with consumer complaints and grievances.

10 There are also two special provisions of Medigap
11 I'd like to mention briefly that I hope we can deal do with
12 more in the chapter. Those relate to the innovative
13 benefits and Medicare Select. Both provide mechanisms for
14 introducing additional benefits and/or greater flexibility
15 into the existing Medigap framework. Federal statute allows
16 insurers with the approval of state insurance regulators and
17 the federal government to include innovative benefits not
18 otherwise available if the benefits are cost effective and
19 do not comprehensive the principle of standardization, which
20 is a matter of interpretation.

21 These can include vendor discounts for products or
22 services. CMS believes that this could be a vehicle for

1 expanding choice in the Medicare market. There's currently
2 a survey the field by NAIC which is asking states about all
3 of the applications they've had for innovative benefits and
4 we hope to be able to include some of the findings from that
5 work in the June report.

6 Employer-based supplemental insurance is generally
7 exempt from state regulation, at least among self-insured
8 plans, and is governed by federal law, primarily ERISA but
9 other things as well. Benefits, coverage, disputes,
10 grievances, et cetera, aren't local or state issues per se
11 here. They're employee benefit issues that might involve
12 employers located in national headquarters hundreds or
13 thousands of miles away.

14 Finally, the way that state regulation and
15 provider organizations that bear risk or contract with
16 organizations that do bear risk also vary significantly
17 across states. This can affect how providers organize, or
18 provider groups are organized, and whether insurers or
19 health plans choose to do business in a state at all. This
20 means that beneficiaries in different jurisdictions may be
21 more or less likely to find a particular plan or an
22 insurance product when they go to look for it.

1 Finally, the way that health insurance products
2 are organized with respect to how they bear risk has
3 implications for beneficiaries' exposure to risk, and also
4 how stable their risk -- their liability is over time. In
5 the M+C program, plans assume full risk under capitation,
6 although as we mentioned in our last report in the new PPO
7 demonstration there is some risk sharing between the plans
8 and Medicare. Over the past several years M+C plans have
9 had to increase premiums, increase cost-sharing, and cut
10 back on additional benefits. For many beneficiaries this
11 means that coverage appears unstable.

12 In the Medigap market, premiums may increase from
13 year to year and there's considerable variation in the
14 degree to which that happens and in the degree to which
15 states focus their attention on rate changes. But the
16 proportion of out-of-pocket expenses borne by beneficiaries
17 for covered services is fixed for each policy type. This is
18 something that beneficiaries appear to value highly, the
19 fact that when they go to the doctor or go to the hospital
20 they're not going to have to pay out-of-pocket. Of course,
21 this doesn't deal with the significant proportion of health
22 care costs that are not covered by Medicare for which the

1 beneficiary is entirely at risk.

2 Employer-sponsored plans involve very different --
3 there's a lot of variation in the cost-sharing arrangement
4 between employers and the plans, and considerable cost-
5 sharing on the part of the beneficiaries. Under ERISA,
6 employers can make significant changes to benefits as long
7 as they have reserved the right to do so, which most of them
8 have done, and as long as it's okay to do so given their
9 contractual relationships with employee groups. There have
10 in fact been significant reductions in coverage and
11 increases in cost-sharing in retirement plans over the last
12 few years, and these are projected to increase in scope over
13 time. If these plans decrease in value some beneficiaries
14 may decide that other products, including Medicare managed
15 care or Medicare Select or PPOs or whatever actually provide
16 better deals for them.

17 The bottom line is this, what's out there for
18 beneficiaries involves a variety of products that has
19 evolved in different markets but which interact with each
20 other. Some beneficiaries have no real choice when it comes
21 to supplementation. Some do, and their needs are made
22 complicated because of their trade-offs in the way these

1 different kinds of products are structured. As policymakers
2 contemplate different approaches to Medicare reform, we
3 think it would be useful to take a look at where people have
4 ended up in the current ecosystem of insurance markets, and
5 to look at how different federal policies and state
6 policies, as well as market factors, have affected
7 beneficiary choices which Scott is going to walk you
8 through.

9 DR. HARRISON: In this section we are making a
10 small first step in looking at the diversity in markets in
11 terms of the coverages that are held by Medicare
12 beneficiaries by state. We believe that in most cases
13 states contain more than one distinct insurance market, but
14 some of the important features of the markets are determined
15 at the state level such as Medicaid and insurance
16 regulation.

17 Next time we will look at some metropolitan area
18 data as well as demographic and other market condition data.
19 Nonetheless, we do see great variation among states in the
20 insurance choices made by beneficiaries.

21 Most of the data used in this section come from
22 the March supplemental of the 2002 current population

1 survey, the CPS, which measures coverage during the year
2 2001. The survey contains insurance coverage data for over
3 23,000 non-institutionalized Medicare beneficiaries with at
4 least 200 beneficiaries from every state. We would like to
5 note here that the relatively small sample size,
6 particularly in the less populous states, can lead to
7 imprecision in the state estimates and we will follow up on
8 these results with further investigation, so take some of
9 these numbers with a grain of salt. All the states listed
10 here are in alphabetical order except where we got dyslexic.

11 The CPS data show that nationally 32 percent of
12 Medicare beneficiaries are covered by employer-sponsored
13 supplemental health insurance. The percentage with
14 employer-sponsored coverage range among states from a low of
15 16 percent to a high of 47 percent. This slide shows those
16 with the highest and lowest percentages of Medicare
17 beneficiaries with employer-sponsored coverage. Some of
18 those states with the highest levels of employer-sponsored
19 coverage are those states that we view as having highly
20 unionized workforces. Hawaii has an employer mandate for
21 worker coverage whose affect may transfer to higher retiree
22 coverage as well. Those states with relatively low levels

1 of employer-sponsored coverage include sparsely populated
2 rural states.

3 The CPS data show that overall 14 percent of
4 Medicare beneficiaries also have Medicaid coverage. At a
5 state level, Medicaid covered between 5 and 28 percent of
6 Medicare beneficiaries. This slide shows states with the
7 highest and lowest proportion of Medicare beneficiaries who
8 receive coverage from the Medicaid program. Many southern
9 states have a high proportion of Medicaid enrollees, but
10 some other states do as well. States with a low proportion
11 of dual eligible enrollees include several Midwestern
12 states.

13 The CPS data show that 28 percent of Medicare
14 beneficiaries across the country have Medigap supplemental
15 coverage. That figure is corroborated by data that we have
16 from the NAIC. At the state, however, there are sometimes
17 large differences between the two data sources. Both data
18 sources show that there is a large variation at the state
19 level with coverage percentages ranging from single digits
20 to over 60 percent. This slide shows states with relatively
21 high and low percentages of beneficiaries covered by Medigap
22 plans based on the CPS data, and there are asterisks on the

1 states where the NAIC data differs considerably. The states
2 with the highest levels of Medigap coverage are all states
3 in the north central part of the country that are largely
4 rural. These states also tend to have relatively low level
5 of employer-sponsored supplemental coverage.

6 Now for this slide we have switched to use the
7 NAIC data. Here we find that Medigap policies which include
8 a prescription drug benefit, plans Hi, I, and J, constitute
9 about 8 percent of all Medigap policies sold across the
10 country. I should say of all standard Medigap policies. It
11 throws out the pre-standard ones.

12 NAIC data show that there is considerable state
13 variation in this measure with policies H, I, and J
14 accounting for as much as 27 percent of all standard Medigap
15 policies, down to 1 percent in several states. I should
16 note that in some of those states there's really only one
17 insurer selling any drug policies.

18 Some of those states with the highest percentages
19 of beneficiaries in Medigap have some of the lowest
20 proportions of them with drug plans. We'll have to figure
21 out if there's something going on there. Similarly, a
22 couple of states on the list having the highest proportion

1 of drug plans have lower rates of Medigap coverage.

2 Many beneficiaries also supplement Medicare by
3 choosing a Medicare managed care plan. Unfortunately, the
4 CPS did not ask beneficiaries whether they were enrolled in
5 a Medicare managed care plan and therefore I used CMS
6 administrative data to see what percentage of each state's
7 beneficiaries were enrolled in managed care plans.

8 In 2001 we took the -- we have newer data but we
9 wanted to be consistent with what we were using -- 15
10 percent of Medicare beneficiaries were enrolled in either
11 M+C plans or Medicare-based cost HMOs. Medicare managed
12 care penetration ranged from zero to over 40 percent among
13 states. The nine states named on the low end of this slide
14 had less than 1 percent of their Medicare beneficiaries
15 enrolled in Medicare managed care plans. Some of those
16 states did not have a plan offered to their residents. The
17 states at the high end all had at least a quarter of their
18 beneficiaries enrolled in Medicare managed care plans.

19 After incorporating all currently available data
20 we applied several methods using different data from the
21 available sources to identify which states have a
22 disproportionately high share of beneficiaries without

1 coverage other than traditional Medicare. We found that
2 Arkansas, D.C., Georgia, and West Virginia to be most likely
3 to have the highest percentage of beneficiaries without any
4 supplemental coverage. Three of the four states were on our
5 list of states with low Medigap coverage and the other,
6 Arkansas, was on our list for low employer-sponsored
7 coverage. We intend to investigate these states further and
8 we would expect to have at least one or two of them on our
9 list of study markets, and Jill will discuss the study
10 markets in just a moment.

11 Although there were some states that had less
12 coverage overall, we did a few simple regressions and found
13 that, perhaps not surprisingly, that in general there is a
14 substitution between employer-sponsored coverage and Medigap
15 coverage, and also between Medicaid and Medigap coverage.
16 We did find that there wasn't a significant trade-off
17 between Medigap and Medicare managed care penetration and
18 we'll look into that further. We are aware of other studies
19 that have found some relationship so we will do further
20 analysis. We hope to do some multivariate analysis and get
21 back to you next month on that.

22 Jill will now tell you more about our plans.

1 DR. BERNSTEIN: We divided this up into a two-
2 stage process. For the June chapter what we hope to do is
3 to flesh out the descriptive analysis that we started here.
4 What we want to do is to see if we can identify patterns of
5 coverage, relate them to some of the structural
6 characteristics of particular states or MSAs or market
7 areas, do some multivariate work to try to sort those out,
8 and the ultimate goal is to come up with some examples of
9 markets which illustrate particular patterns of coverage,
10 areas where this -- why are their areas where there is a lot
11 of drug policies being sold and the Medigap market seems to
12 be flourishing compared to markets which are still dominated
13 by employer-based insurance? And what are the implications
14 of those different types of markets for different kinds of
15 beneficiaries? Who has coverage? Who doesn't have
16 coverage? How are the markets played up?

17 So the goal is to work through the patterns of the
18 markets to look at some local factors, to do some additional
19 multivariate analysis, to do some demographic analysis, and
20 to end up with a set of four or five prototypical markets
21 that we'd like to look at in greater detail to flesh out
22 some of the questions that we raised earlier about how these

1 different things work.

2 The next phase is to actually go out and see those
3 places. Basically to turn off the computer and to open the
4 window and go out and talk to people on the ground level, to
5 talk to employers and to insurers and to local experts on
6 health policy and planning, and consumers, and consumer
7 advocates in some markets where there may be heavy
8 concentrations of retirees from the federal government or VA
9 facilities that are dominant in the local market, to talk to
10 them about their view about what's going on the ground in
11 those communities. And also to spend some time pretending
12 to be consumers, which we all will be soon, getting on the
13 Internet, calling consumer advise lines, et cetera, trying
14 to find out what it looks like from their perspective in
15 terms of the options that are available to them.

16 Then to bring all that information to bear on some
17 questions about how some of the factors which affect the
18 growth of these markets, like state regulation, like rules
19 about entry and exit, like rules about community rating, or
20 how premiums are handled, or guaranteed issue, or whatever
21 have affected the development of different kinds of
22 products, which now apply differentially to different kinds

1 of insurance that are out there and then maybe be able to
2 bring all of that to bear on some analysis of what would
3 happen under different kinds of scenarios. We're trying to
4 build markets that work better for getting different kinds
5 of insurance products to beneficiaries over the long haul.

6 We'd really like questions or suggestions for
7 where this ought to go.

8 MS. ROSENBLATT: I thought this was an excellent
9 start. It's a very interesting topic. I have in the past
10 been a critic on the tone used in connection with Medicare
11 supp and I want to compliment you both on the tone. It so
12 far is excellent and hopefully that will continue into the
13 June report.

14 I do have one suggestion and, Jill, as you
15 mentioned, you have to be real careful when you read
16 something about regulation because it's very different. I
17 was thinking as I was reading the stuff about the state
18 regulation that maybe a ranking of regulation from the most
19 extreme form of regulation which I would consider to be
20 preapproval of rates to the lesser form, so maybe a high,
21 medium, low type of regulation versus what is available in
22 the marketplace would be something interesting to look at.

1 DR. REISCHAUER: I always knew that the Medicare
2 supplemental market was a confusing one and now I'm confused
3 even more. In your description of Medigap you say that a
4 quarter of the folks in Medigap are in group plans and group
5 plans usually purchased by employers or unions but sometimes
6 by associations like AARP. Then I'm going to the CPS
7 information and I'm asking myself, where are there? Are
8 they in the employer-sponsored category or are they not?

9 DR. HARRISON: It's even worse than you fear
10 because --

11 DR. REISCHAUER: I'm sorry I asked the question
12 then.

13 DR. HARRISON: When you look at the NAIC data in
14 some states AARP is a group and in some states it's an
15 individual.

16 DR. REISCHAUER: But I'm thinking about the CPS
17 data.

18 DR. HARRISON: The CPS data is supposed to be --
19 it's usually not that the employer buys you a Medigap
20 policy. It's that they might help you pay for it. So it
21 would still be considered Medigap if you're buying a Medigap
22 policy.

1 DR. REISCHAUER: So the employer doesn't contract
2 with a Medigap provider?

3 DR. HARRISON: They might do that but then I think
4 they're typically not going to give you the standard
5 package. I think that they're going to coordinate more with
6 their other retirees and non-Medicare eligibles. It could
7 be that maybe --

8 DR. REISCHAUER: But where does it go in the CPS?

9 DR. HARRISON: I could go into both.

10 DR. REISCHAUER: That's reassuring.

11 DR. HARRISON: The CPS categories we have now are
12 not mutually exclusive. But the total for Medigap looks
13 similar to the total we get from NAIC. So we are assuming -
14 -

15 DR. REISCHAUER: Which includes the group.

16 DR. HARRISON: -- that's what Medigap is, it's the
17 individually purchased.

18 DR. WAKEFIELD: Just out of curiosity, do we have
19 any idea about how many Medicare beneficiaries qualify, are
20 dual eligibles and so qualify and are enrolled in both
21 Medicaid and Medicare versus -- benefitting from both of
22 those programs, versus those who may be eligible but are not

1 enrolled? Do you have any sense of what that looks like?

2 DR. BERNSTEIN: There's some discussion of in the
3 March report chapter. It varies by state to state. Nobody
4 believes any estimate that's ever made of -- of how many
5 people who are dual eligibles are not enrolled. There's
6 been some research on it. We know there's a lot of people
7 in every state who are eligible for Medicaid who do not sign
8 up for it. That also varies from state to state because of
9 the way that states do outreach, or for a lot of other
10 reasons.

11 We've looked at the CPS estimates versus other
12 data sources on the number of dual eligibles in the states
13 and there is variation. Everybody who's ever done this has
14 found some, but ours are generally -- they're generally
15 consistent. We have a sense. None of the numbers are
16 particularly ones that you'd want to take home with you and
17 memorize.

18 DR. WAKEFIELD: Two other follow-up to that, if I
19 could. You mentioned that you're going to be, in your case
20 studies probably doing interviews with FEHBP and VA
21 administrators. I know this is a stretch, but if you happen
22 to choose any state that also has a Native American

1 population at least I for one would be interested in a
2 little bit of a take there. We're getting a lot of -- there
3 are a lot of discussions now with the aging of that
4 population that historically, while there's variation across
5 the country, historically that was a population the
6 longevity of which was not very favorable. However, they're
7 aging out too now in the aggregate, and there's some
8 interesting dynamics going on between IHS, and then as soon
9 as folks become eligible for Medicare and what they have
10 access to there. So just if you happen to be in that area,
11 if you'd keep an eye out for it.

12 Then last point. I don't want to sound parochial
13 -- first time ever, I'm sure -- the North Dakota data -- I
14 hate to even mention the state -- you've got this listed on
15 the chart in terms of Medigap, prescription drug coverage.
16 You've got the category of states that have the most
17 participation, 1 to 3 percent with those prescription drug
18 benefit policies. I didn't think we have any of those three
19 in North Dakota frankly.

20 DR. HARRISON: We can check the data, but it could
21 be actually that you used to have them and people -- you can
22 never kick people out. Medigap policies are guaranteed

1 renew. So it could be that these are all old policies.

2 DR. WAKEFIELD: There's still alive and well.

3 DR. HARRISON: But I thought I found current -- I
4 went and looked and I thought I found at least one drug plan
5 in every state.

6 DR. WAKEFIELD: I think not. Let's just say, will
7 you double-check that?

8 DR. HARRISON: Yes.

9 DR. WAKEFIELD: Because, frankly, I made a call on
10 this yesterday because I thought even over the last number
11 of years that we haven't had any of these three plans, and
12 at least I told state yesterday --

13 DR. HARRISON: Have you checked with AARP? I
14 don't know if it's them but --

15 DR. WAKEFIELD: No, I haven't checked with AARP so
16 maybe that's it.

17 DR. ROWE: I think this is very interesting and I
18 agree with Alice about the level playing field that's been
19 established here in terms of language. Just a couple
20 suggestions.

21 One is, I think it's going to be very helpful to
22 show some information over time because there's been these

1 dramatic changes in the availability of retiree benefits
2 through many corporations, and people not familiar with that
3 should see that, and changes in Medigap over time. I think
4 that it might be very helpful to show some changes over time
5 also in premiums, which in Medigap are rising substantially.

6 I think it would be helpful to, rather than just
7 indicate what percent of people have retiree benefits from
8 employers versus Medigap versus whatever, to make sure it's
9 clear what the differences are in the structure of the
10 programs. For instance, Medigap has first dollar coverage.
11 It really doesn't give any incentive for that much cost-
12 sharing or a reduction in utilization. Whereas many of the
13 employer-based programs have a lot of copayments, a high
14 deductible, they may have an HRA arrangement, whatever, that
15 gives much more incentive to reduce expenditures.

16 So rather than just Medigap versus -- it's not
17 like you're getting the same thing from Medigap that you're
18 getting from your corporation. There are differences in the
19 structure of these things and I think that that influences
20 who takes them and who doesn't, and the kinds of
21 performance. So that would be a helpful thing to describe.

22 You said that you didn't see a trade-off between

1 Medigap and M+C, and I thought that was interesting, and you
2 sounded like you thought it was interesting also. I think
3 the analysis I would do is with the Medigap H, I, J versus
4 M+C, because it's the M+C that has the pharmaceutical
5 benefits. So it's really the H, I, J that has the
6 pharmaceutical benefits and that's where you might see a
7 relationship. So I would look at it that way.

8 A word about the PPOs, just because they're there
9 and they should be mentioned. It's not a big part of the
10 program but certainly it's there and it's something that CMS
11 seems to be talking about more and more.

12 And the last comment was about the states. I
13 don't think I understand fully why we're having such a
14 state-oriented discussion today. I know that's the way
15 Congress is elected and all that, but it seems to me that
16 it's not that informative. It doesn't go that much beyond
17 showing that there is variation. There are 50 states and
18 some are higher and some are lower in these things, and it's
19 kind of obvious why that is, as you point out, because of
20 where certain employers are, et cetera. It just seems to me
21 that it's just going to create some problems because people
22 are going to say, my state doesn't have this sort, or it

1 does have that, or you've got it wrong, or it's unfair, and
2 it really doesn't inform the discussion that much.

3 But if you're going to do it, and then you said
4 you might do some MSAs and other things, I would suggest
5 that you consider the possibility of looking at the 10 CMS
6 regions, because some of the proposals that are being
7 discussed about Medicare reform seem to be based on
8 consideration of larger units of analysis than county and
9 seem to be based on these 10 CMS regions. So to whatever
10 extent this kind of analysis is coming at the same time that
11 other proposals are being discussed in Congress or
12 elsewhere, in addition to states and MSA regions or rural
13 regions, whatever you're going to do, those 10 CMS regions
14 might be informative.

15 DR. HARRISON: We started with states because we
16 wanted to get a clue as to what markets to look at. Some of
17 the data we really only have by state. Medigap stuff really
18 is only by state. So what we're trying to do is get clues
19 as to which markets to really go into for our study markets.

20 DR. MILLER: Just to say that differently, it's
21 correct, we're not headed towards doing this analysis by
22 state. We're headed towards doing this analysis in selected

1 areas that we think represent a typology of markets, then we
2 can look at how this market develops, look at how this one,
3 does it inform how you might want to enter a given market.

4 The state stuff was really, I think, intended at
5 this preliminary stage to illustrate stuff that we might be
6 looking at. Is that fair, Scott?

7 DR. HARRISON: Yes.

8 MR. HACKBARTH: I just want to second Jack's point
9 about looking at trends over time. One of the issues here,
10 of course, is that it's in a state of flux and the trends
11 are not good trends in terms of availability of coverage.
12 As I recall, our June report from last year on the Medicare
13 benefit package actually had quite a bit of information
14 about what was happening to employer-sponsored coverage and
15 availability of Medigap. I think reiterating that is
16 worthwhile.

17 DR. REISCHAUER: Just to comment on Jack's point
18 and defend a bit looking at this by state, Medigap is, to a
19 certain extent, regulated and licensed by states, number
20 one. And number two, Medicaid most certainly varies by
21 state. So while I appreciate that there's -- because I plop
22 you down as a random person in the state of New Jersey, that

1 doesn't increase the probability that you'll have employer-
2 sponsored supplemental insurance. What matters is whether
3 you worked for Bell Labs or not.

4 MS. ROSENBLATT: I was going to make that point as
5 well because I think the regulatory environment is a key
6 variable that I'm hoping we look at. But there's another
7 variable that may or may not be able to explain some of the
8 state variation and that may be, does one health plan have a
9 leading market share? I'm thinking, some of the states
10 where the Blue plan has a lot of market share may absolutely
11 dominate the Med supp market either because they want to or
12 because they're forced to. So that might be something to
13 look at.

14 MR. SMITH: On Jack's point about trends over
15 time, I think it's important. Just a caution, particularly
16 on the employer-sponsored stuff, Jack. We're going to see a
17 surge in the number of Medicare beneficiaries with employer
18 insurance, which is misleading. The number of working
19 people who will eventually have employer-provided insurance
20 is going to sharply decline. But in the next decade, the
21 number of Medicare beneficiaries with employer-supplemented
22 insurance is going to soar because of the pattern of

1 retirement, particularly in the public sector.

2 DR. ROWE: I think that's a good point. I think
3 there are too -- if I can respond to that. There are two
4 different graphs one can envision, or a discussion. One is
5 the number of companies that are offering retiree benefits,
6 and that will go down from 60 percent-plus a couple decades
7 ago to 30 or slightly less than that now. You could even
8 characterize what's offered as a strong versus a weak
9 benefit, or a robust versus a less robust benefit and you
10 would see even a further decline in the total value because
11 benefits are being cut back.

12 The second curve is the number of people who are
13 Medicare beneficiaries, or the proportion of Medicare
14 beneficiaries who have access to a benefit. If you plot
15 that over time you're going to see this secular effect that
16 David is pointing to. Maybe doing those two things will be
17 really helpful in terms of pointing out when the problem is
18 going to hit and why the behavior in the market now isn't
19 consistent with what you think is this looming crisis. I
20 think that's the point.

21 MS. ROSENBLATT: On that point, I think FASB 106
22 started the decline in employer-sponsored coverage. Now for

1 private employers it's probably the combination of the FASB
2 106 impact as well as the increase in cost. But there's now
3 GASB, which I'm less familiar with, but in picking on
4 David's point about the public employers, I think there's a
5 new requirement that is similar to FASB which would probably
6 serve to decrease that population, but I don't know when it
7 takes effect. I just don't know the details of it.

8 MR. SMITH: I'm not sure about the accounting
9 provision, but again, the phenomenon has to do -- the
10 population of people who will be receiving employer-paid
11 benefits and the population of people who are eligible for
12 them are going in opposite directions. This is a residual
13 phenomenon. Jack, the 60 percent that had employer-
14 sponsored retirement coverage that Jack refers to a couple
15 decades ago are now retired or retiring. And the pattern,
16 particularly in the industrial sector and the public sector
17 of very heavy retirements in the next decade, that
18 population is going to bulge at the same time that the
19 underlying market is deteriorating sharply.

20 MR. HACKBARTH: Okay, thank you very much.

21 Next we have a discussion of the sources of
22 variation in the hospital financial performance under PPS.

1 MR. PETTENGILL: Good morning.

2 The discussion this morning, as Glenn noted, is
3 about sources of variation in financial performance among
4 hospitals under PPS. I'd like to introduce Kathleen Dalton,
5 to my right here. She is out of the Sheps Center for Health
6 Services Research at the University of North Carolina, and
7 she has been doing a lot of work on this topic for us,
8 keeping her occupied most of the past year. Before that,
9 she's done valuable work for us on the indirect medical
10 education adjustment, methods and findings; and also on the
11 PPS wage index.

12 The work we're about to describe this morning is a
13 follow-on to the material you saw that Jack Ashby presented
14 at the October meeting when he presented descriptive
15 information about variations in hospital financial
16 performance. There's probably not anything here that is
17 going to be shockingly new, but it is different in the sense
18 that Jack was talking about descriptive data, relating
19 performance to individual variables, and this is a
20 multivariate analysis where we look at the effect of an
21 individual variable while controlling for others that also
22 affect performance.

1 The work from this project will, along with some
2 additional work that we will do between now and the April
3 meeting, will be included in a chapter in the June report.

4 For the presentation this morning, I'm going to
5 talk a little bit about the background and motivation for
6 this work and then Kathleen is going to talk about the
7 objectives, methods, and preliminary findings from the work.
8 And then I'll come back at the end and talk about next
9 steps.

10 The motivation for this project begins with this
11 picture, which is one that you've seen before, or something
12 very like it. This shows the distributions of hospital's
13 inpatient margins under PPS and Medicare margins, overall
14 Medicare margins, in blue and red respectively, I think. It
15 looks like red and orange, actually. So much for that. I'm
16 color blind anyway.

17 The lower of the two, the wider and lower of the
18 two distributions, is the inpatient margin.

19 In both cases, the variation is very wide, as you
20 can see. The 10th percentile inpatient PPS margin value is
21 minus 14 percent. The 90th percentile is 27 percent. For
22 the overall margin, the comparable figures are minus 16 and

1 plus 16.

2 Every year we see the same thing, and again, it's
3 consistent with the data that Jack presented in October and
4 you saw something similar in January when we were talking
5 about the update.

6 In addition to that, we have perennially
7 systematic differences in margin levels across groups of
8 hospitals, as shown in the next -- wait a minute. They're
9 out of order. Apparently, this is a slightly different file
10 than the one we expected to have. Sorry, technical
11 difficulties.

12 Okay. It's really nice to have somebody around
13 who knows what they're doing with this thing. It isn't me.

14 Okay. Now you see why I was calling them blue and
15 red. No?

16 [Laughter.]

17 MR. PETTENGILL: I am color blind, forget it. Or
18 color challenged, or something. Now they're in the right
19 order.

20 Here we have, on the left-hand side, inpatient PPS
21 margins for four simple groups, rural and urban hospitals
22 with and without the special policy-driven PPS payment

1 factors or payment adjustments, which include the IME
2 adjustment above the cost relationship, disproportionate
3 share of payments, and special adjustments for certain rural
4 hospitals.

5 The right side shows what are called box and
6 whiskers diagrams that indicate the amount of variability
7 within each of those groups in inpatient PPS margins. On
8 those, the higher horizontal line on the box is the 75th
9 percentile. The lowest line on the box is the 25th
10 percentile. 25th and 75th percentile, respectively.

11 The other horizontal line are just ways of
12 identifying outlier observations.

13 The unit of observation here is the hospital.
14 It's important to remember that. How margins are
15 distributed across hospitals is different from how they
16 would be distributed if you weighted by the number of
17 Medicare beneficiaries receiving care in the hospital. In
18 fact, if you think about the overall margin, for example,
19 roughly 49 percent of hospitals have an overall margin that
20 is below zero, negative. They account for 37 percent of
21 Medicare patients treated in hospitals.

22 49 percent of the hospitals have an overall

1 Medicare margin that is negative, but they account for 37
2 percent of the patients. So patients are disproportionately
3 receiving care in hospitals that have positive margins.

4 Of course, the same thing applies within these
5 groups. These diagrams are not weighted by discharges, but
6 they could be. For example, the urban hospitals that
7 receive special adjustments account for 41 percent of all
8 hospitals, but they treat 64 percent of the patients.
9 That's that last bar and the corresponding box on the far
10 right.

11 What to make of all this variability depends on
12 why it's occurring, and different people look at the
13 variability and -- yes.

14 MS. DePARLE: Julian, that last chart, is that
15 overall Medicare margins on the left?

16 MR. PETTENGILL: That was overall, yes.

17 People look at the variability and they sometimes
18 make inappropriate inferences about that, attributing much
19 of the variability to the payment system. Part of the
20 purpose of this study is to find out to what degree that
21 payment systems factors are, in fact, responsible for the
22 variability. And also, what else seems to matter.

1 Variability is not either unexpected or
2 undesirable. Remember that there was no variability, or
3 almost none, under cost reimbursement. The fact that we
4 have variability is actually, in some ways, a good thing
5 because it represents the reward that people get for
6 producing care efficiently.

7 Some of the things we already know are that we
8 have policy-driven payment factors that make a bit
9 difference and Kathleen will talk more about that in a few
10 minutes.

11 Other differences that we may find may indicate
12 that the payment system is either not operating exactly as
13 it was intended. For example, if we find errors in the way
14 some of the variables are constructed or the way they're
15 applied. But it's certainly possible that we also find
16 that, for example, there are market factors that the system
17 does not now account for that we might want to think about
18 adding to the payment system.

19 Then, of course, there are other possibilities
20 that we find, management behaviors that account for part of
21 the variability and performance and we probably wouldn't
22 want to do anything about that.

1 And then, of course, there's purely random
2 variation which also will exist, and I assure you we'll find
3 that, too.

4 Now Kathleen will talk about what she actually
5 did.

6 MS. DALTON: Thank you.

7 We had two major objectives in designing this
8 study on the variation in the margins. First, we wanted to
9 disentangle the contributions of the payment system from the
10 contributions of the hospitals, as Julian just described,
11 both the contributions that the hospital's own decisions
12 made, and also those that might be related to the external
13 environment in which the hospital functions, most of which I
14 think we would assume is not under the hospital's control
15 and is therefore a different policy issue.

16 But second, we wanted to develop an approach that
17 would be generalizable, that we could apply to other PPS
18 settings when we get comfortable with it now that we have
19 that payment in several other areas, and also that we could
20 apply over multiple years.

21 This is a diagram of the way we approached
22 variation. It pretty much reflects the way we structured

1 our model here. We can think of three main sources for the
2 variation in performance. As we just said, those related to
3 the payment system, those related to the hospital itself,
4 and those that are related to chance, which is to say the
5 random influences.

6 Now the PPS formulas, as you know, have several
7 components that are intended to match the payments to cost.
8 So one of the problems can be measurement error in those
9 components where they're not functioning as we think they
10 should be.

11 We also have several components that are not
12 intentionally linked to cost. So those are areas where we
13 have to some policy-related reason for directing resources
14 to some hospitals in excess of cost or theoretically it
15 could work the other direction. So I tend to refer to those
16 as policy components to the payment formula throughout here.
17 And both of those would affect the margins.

18 On the hospital side, we're going to divide those
19 hospital characteristics into the sort that reflect the
20 environment. So those would be market conditions, the
21 demographics of the patients served, supply characteristics
22 in that area, competition, those sorts of characteristics.

1 We're going to separate those from the characteristics that
2 we think reflect management decisions. So those would
3 involve product mix or efficiency and issues of quality.
4 Mind you, issues of quality are not really easily measured
5 and we recognize that. So of the hospital characteristics,
6 some can be measured and incorporated into the model but
7 quite a bit is what we call unobserved. That is to say,
8 unobserved to those of us who are constructing the model.

9 The random error that's left over has to do with
10 what's unobserved that we have failed to include in our
11 model but it also has to do with a variety of very small
12 things that would affect any individual hospital in any
13 individual year. Because this is a one year analysis, a
14 cross-sectional analysis of the differences across
15 hospitals, what we've got here is a model where random
16 fluctuation from year to year would show up as unexplained.
17 So in this particular instance, year to year volatility
18 would also be part of the random component here.

19 The analytic approach we took is very similar to
20 the Medicare average cost function. Many of you are
21 probably familiar with that because that's the one that's
22 used to estimate the IME coefficient. Except that, in this

1 case, what we're interested in predicting is the margin, not
2 the average cost per case.

3 So what we did is we used a two-equation approach.
4 We have two equations that are simultaneously estimated, one
5 for payments and one for costs. The approach, because it's
6 simultaneously done indirectly, it produces a performance
7 measure and the performance measure is the ratio of payments
8 to costs. It's a little like your Medicare margin that
9 you've been looking at. It uses the same data. It's a
10 slightly different ratio.

11 For example, a payment ratio of 1.2 simply tells
12 you the payments are 20 percent above cost and a payment
13 ratio of .85 would tell you that payments are 15 percent
14 below cost.

15 Throughout this talk I'm going to tend to use
16 payment ratio and margin interchangeably. They really have
17 slightly different interpretations in an accounting and a
18 financial sense, but don't hold me to them because I tend to
19 use of them synonymously.

20 I don't want to spend much time going into the
21 methods here but I'll just quickly talk about some of the
22 advantages of the approach that we took. We could have just

1 estimated the payment margin directly in a regression, but
2 separating the estimates the way we have, separating the
3 numerator and the denominator from that ratio, has a few
4 advantages. It allows us to include what we already know
5 about the payment formula in the model and we can include
6 them as what we would call constraints or forced assumptions
7 in the payment estimate.

8 So, for example, we know exactly how a case-mix
9 index, or rather the DRG weight, affects a particular
10 payment. So we can force that into the model and that
11 eliminates some of the estimation and makes it a little more
12 accurate.

13 At the same time it keeps the flexibility of the
14 original cost model, so that we are able to, for example,
15 test the effects of other cost factors, those that are not
16 already in the PPS formula. And we can test whether the
17 effect of a particular factor is uniform across different
18 ranges in the values. So we can look at the effect, for
19 example, of case mix on cost. We can look at it separately
20 for low case-mix hospitals or high case-mix hospitals.

21 We can also test the extent to which some of these
22 factors which occur jointly in our hospitals may be

1 influencing each other. So that when you find them together
2 they may have a different sort of an influence on the
3 hospital than if you find it alone.

4 So all of those are the characteristics of a cost
5 model that we can include in this two-equation approach.

6 The data we used are all the standard PPS system
7 files that you've seen used before. We have hospital cost
8 reports. We took operating cost and operating payment data
9 from these.

10 But in addition, we had used some data from the
11 Part A claims file. We took this data and constructed a new
12 length of stay variable for the hospitals. It's a measure
13 of the ratio of the hospital's actually length of stay to
14 the expected length of stay, defining expected as what would
15 have occurred if that hospital had had the national average
16 length of stay for each DRG. So you go back to each
17 hospital's mix of DRGs and recompute what its average would
18 have been if every case had stayed the average, the national
19 average for that DRG. So we found that to be a fairly
20 helpful tool to control for the difference in case mix but
21 still consider what the hospital's length of was relevant to
22 others.

1 Now for purposes of model development, we've used
2 data from the federal 1998 year. At this time, we're
3 updating it with some 1999 data and we'll probably run it
4 for some early years. Probably the earliest would be 1992
5 because we're interested in looking at the stability over
6 time. The choice of the year simply had to do with when we
7 began the analysis. We would like to say that whatever
8 findings we have, whatever that structural relationship is,
9 is consistent from year to year. So actually the choice of
10 the year is not that important, or should not be that
11 important, we would hope.

12 So this is what we want to ask of the model.
13 We're interested in what the independent effects are of each
14 factor -- so hence the multivariate modeling -- of PPS
15 profitability. We want to know if some of the factors
16 influence each other -- if some of those factors are
17 different when they occur together, they influence each
18 other, then we also want to know what are the effects on
19 profitability. Mainly we want to know are the payment
20 factors operating as we intended them?

21 In addition, I think, we asked the model to help
22 us understand what was practically significant. So not

1 necessarily what is statistically significant but what was
2 practically significant in our findings.

3 We want to know how important the effect of any
4 one variable on the margins is, in context, given the total
5 range of PPS profitability and how many different factors we
6 have operating at once.

7 Now this is actually a more difficult task. First
8 of all, because a lot of these factors are correlated and
9 they're distributed differently across the sample. So to
10 try and make the results more intuitive what we did is we
11 used a simulating procedure. So we created simulations
12 where we could hold the effects of all of the other factors
13 constant and then trace out what happens to a typical
14 hospital if we just change one factor at a time. In that
15 way we could get a sense of the relative impact of any one
16 or the other.

17 So the steps on the simulations were first that we
18 needed to figure out what was a realistic, what we call a
19 base case hospital, something that we could hold constant.
20 Then, having defined a base case hospital, we would use the
21 model results to predict its payments and its costs and then
22 we would start to alter the value of one factor at a time

1 and trace out -- in this case we give you graphs -- the
2 effect of that one factor on that base case hospital.

3 As you can see from the first bullet, we tried to
4 pick attributes for sort of a garden variety facility, with
5 an average case mix, one in an area where the wage index was
6 one, one that did not receive any special policy adjusts for
7 teaching or disproportionate share or any of the special
8 rural adjustments. So it was just receiving the base DRG.

9 However, it's probably important to stress that
10 the definition of the base case isn't really central to the
11 analysis. If you change the base case, you're only going to
12 change your starting point. What we're after here is the
13 change. So if you consider, if you wanted to consider how
14 this would look at a very small rural hospital or a very
15 large academic teaching center, you would certainly have to
16 consider the effect of the variables that are more likely to
17 occur there, such as the teaching adjustment. But you would
18 also have to alter your starting point. But you would not
19 necessarily alter the rate at which the factors change
20 profitability.

21 I'll walk you through a couple of examples. I'm
22 going to build the graphs slowly to try to orient us all.

1 For the walk-through, for the examples, I picked to
2 variables. I picked a case-mix index first because it's a
3 good example of a pure cost adjustment. It's only supposed
4 to account for cost differences. It has no other function
5 in the system.

6 And then I picked the IME payments because that
7 has an additional policy component where it's supposed to
8 adjust for cost plus something else. So I thought it would
9 be a good example to see how both of them work.

10 So this is a hypothetical example, what we're
11 going to start on, and it's probably best if you focus on
12 the graphs for a while. This is not the data. That's what
13 I mean by hypothetical. I'm just going to show how it would
14 look in theory, if everything was working perfectly.

15 On the left you see two parallel lines. Again,
16 the top one is supposed to be red. It's red on my screen.
17 I'm not sure what happened in the translation. And the
18 bottom is dashed. It's a good thing I dashed it, so at
19 least you can see the difference.

20 As we know, the case mix is supposed to be cost-
21 based. So if it were, what you would see is that these two
22 lines should have exactly the same slope. They should be

1 parallel. And before anybody points it out, I know they
2 don't look parallel on that. They're supposed to be
3 parallel. Just pretend that they're parallel. I've been
4 staring at it for a while.

5 That's a good one, the Doppler effect. I'll think
6 of that for my next excuse. I can't explain it.

7 As I say, what we're interested in for this model
8 are the slopes of the two lines. If they're parallel then
9 we can say the effect of that one factor, in this case the
10 factor is the thing that's at the bottom across the X axis
11 of the graph of the case-mix index. The effect of that
12 factor will not influence the margin.

13 Sure enough, if you look to the right, in the
14 square on the right, there you've got the predicted -- I
15 called it predicted margin. It's actually the payment-to-
16 cost ratio. So payments and costs move in the same
17 direction. That's going to be a flat line. So that would
18 be your ideal setup. And this is if case mix, which is to
19 say the DRG weights, are working perfectly.

20 Now before we move on, I'll just comment on that
21 right-hand line and whether or not it should be at one. It
22 doesn't matter how high or low that line is right now.

1 Whether it's above one or below one, that is to say whether
2 that base case hospital is operating at a profit or
3 operating at a loss, has only to do with the characteristics
4 we chose for the base case and it has to do with the
5 underlying adequacy of the standard rate. But again, that's
6 not the focus of the analysis so much. That's just our
7 starting point.

8 You can see this particular base case is slightly
9 over one. My recollection is that payments were about 6
10 percent over costs.

11 Now, this is the same set of graphs but this is
12 the actual data. You know what, I think I've bypassed
13 entirely, when I was talking about data, so I'm going to
14 raise it right now, an important thing.

15 When we went to the 1998 sample, we removed the
16 hospitals that have since that time converted to critical
17 access hospital status. They're no longer paid under PPS so
18 we thought that that would be an appropriate thing to do.
19 It is important to keep in mind, though, that that's a large
20 group of very select hospitals who were doing very poorly
21 under PPS. So that act, removing them, does in fact change
22 our results somewhat.

1 I want to try to remember that. I'll point it out
2 when we get to a point where the result really look
3 different than they would have, had we left these very small
4 rural facilities in.

5 So now we're looking at the actual results on the
6 case-mix index. The first thing you want to note is, of
7 course, that the lines are not parallel. That dashed line,
8 which is the lower one on the left-hand box, is flatter than
9 the payment line. That indicates that the change in
10 predicted costs per case is less than the change in the
11 payment per case for every increase you've got in that DRG
12 weight.

13 You can see then on the right side, where we've
14 got the margin plotted, that as the CMI increases this base
15 facility would get a higher and higher margin.

16 Now what you might also notice here is that that
17 bottom line does not appear -- you might need really good
18 eyes to see it. But this line right here doesn't have
19 exactly the same slope all the way up. Now this is because
20 of the way we structured the model. I know you probably
21 can't see it, but take my word for it.

22 We really had, we thought, reason to believe that

1 perhaps the way the relationship between the DRG weights and
2 average cost per case might be different in a low case-mix
3 hospital than in a high case-mix hospital.

4 So what we did is divided the sample into pieces.
5 And we estimated the bottom piece separately. It's actually
6 three pieces and there's a break right about there, I think,
7 where the case mix, it would be about 1.08. And there's
8 another break where the case-mix is about 1.4. And sure
9 enough, we did find that for this bottom area right down
10 here, actually the case-mix weights work pretty well. Those
11 two lines are effectively parallel. The slopes are not
12 statistically significantly different, is what we would say.
13 Above 1.8, the slope here, this slope is flatter than this
14 slope.

15 So above here what we could actually say, the
16 implication is that the DRG weights are overstating the cost
17 differences. That would be the message to carry away from
18 that particular difference.

19 And you can see over here that this line is fairly
20 flat, below 1.8. As I just said, they don't seem to affect
21 it. And then the margin starts to increase here because of
22 the difference in the way that the index payments and the

1 way that it affects cost.

2 Now I put a line in here, right here at 1.25, just
3 to help orient you because that's the value of the case mix
4 we chose for the base case hospital. That's the only reason
5 that line is there. And I put a here just -- it's a
6 horizontal line -- just to help you to focus on the
7 difference. That's all that is.

8 We can look at the same data here for indirect
9 medical education. And we have a slightly different thing
10 on. You can see for IME, this bottom dashed line here,
11 that's the cost line. So you can see that as the teaching
12 intensity goes up, the cost goes up. So we all know that.
13 We're familiar with that phenomenon, that there is a
14 significant cost differential according to the level of
15 teaching.

16 This is the payment line, however. You can see
17 the payment line goes up considerably faster. So the result
18 is the higher your intensity of teaching is, the higher your
19 margins. So this is the contribution to the margin that is
20 there because the adjustment for teaching is greater than
21 cost.

22 Now in this particular instance, unlike the case-

1 mix index, this may be the intention. There's a part of
2 that IME formula, in fact, that's deliberately made over
3 cost. So you can't entirely say that this is a problem in
4 the formula. Some of it is intentional. But with this data
5 I couldn't identify what was intentional and what was not
6 intentional, simply that it's there.

7 So what I've done here is -- I should probably
8 backup and just ask if there are any questions about this
9 approach because I'm about to use it for three or four
10 slides in a row.

11 What I've done here is simply plotted the margin
12 graphs of the three main cost-related components to the
13 system together. And I've added a couple of lines here to
14 help orient us. The horizontal and the vertical lines here
15 are placed at the 25th and the 75th percentiles for the
16 distributions. So those horizontal lines show you what is
17 the interquartile range for payment-to-cost margins for all
18 the hospitals in the sample. So that just helps you
19 understand where the important range is, where you want to
20 focus. Then again, the vertical lines show you for each of
21 the different factors what the 25th and the 75th percentiles
22 are.

1 You can see the line we've already looked at for
2 case-mix index but hopefully the little box in the middle
3 shows you where the bulk of the hospitals are.

4 You can see, on the wage index, we have a similar
5 sort of picture actually. In the wage index we also
6 estimated it in pieces. We estimated the piece for
7 hospitals in labor markets with an index value below one and
8 then we estimated it for above one.

9 We found, quite interestingly, that the
10 relationship between the payment adjustment and cost
11 adjustment was quite similar, below one. But above one what
12 happened is the payments went up a lot faster than the
13 costs. So at this point we have another instance where it
14 looks like there's a measurement problem in the formula that
15 contributes to the variation.

16 Another example is the outlier, but of course what
17 we're expecting to see in the outlier is a little different
18 than what we expect to see in the other two. On these top
19 two graphs, if everything worked perfectly, as I said, this
20 would be a flat line.

21 Down here, if the outlier policy worked perfectly
22 we still wouldn't have a flat line because this is a stop-

1 loss sort of an arrangement. You're expected to lose a
2 little something on every outlier case. So you would expect
3 this line to be slanting down just the way it is.

4 I cut this graph at .3. That's about the 99th
5 percentile of the distribution of the proportion. The .3
6 would mean a hospital has -- 30 percent of their payments
7 are, in fact, outlier payments. Let me rephrase that.
8 Outlier payments were 30 percent of the DRG payments.
9 That's fairly high and that includes 99 percent of
10 hospitals. We have a few hospitals who get more. The graph
11 was just difficult to see if I put it in there. It extended
12 all the way to .8 or .7, I think.

13 Anyway, I think the important point here is that
14 by putting the graphs together and putting them on a similar
15 scale over there on the left, that payment-to-cost margin
16 scale, you can compare the slopes of them and you can get a
17 sense of the relative importance, how much is one
18 contributing compared to the other.

19 Until I did this, I would have probably guessed
20 that outlier payments reduced the margins in large hospitals
21 a lot more than I can see here. That line is flatter than I
22 thought it would be. The wage index, of course, that line

1 is more steeply sloped than I thought it would be. And I
2 really didn't know what to expect for case mix, so I
3 couldn't tell you.

4 But I think the idea of putting them on one graph
5 with the same Y axis, the idea is to help you compare the
6 relative influence.

7 We have the next graph does the same thing but
8 I've put the three main policy adjustments. And you can see
9 that these lines are a lot steeper than the earlier cost-
10 based ones, which means only that the policy related
11 adjustments contribute more heavily to the variation in
12 margins than whatever it is that we found in the cost-based
13 adjustment.

14 Again, this is exactly what we knew. I mean, this
15 is not surprising. We all knew that each of these --
16 certainly that IME and DSH contributed to the differences in
17 the margin. It was interesting to me that the rural
18 hospital-specific payment amounts, those are the special
19 payments we make to sole community providers and Medicare-
20 dependent providers. For those that receive them, those are
21 also appear important contributors to the variation in
22 margin. I was surprised to see how much that was.

1 I should also just mention that I told you that
2 these vertical lines were the interquartile range for
3 whatever this variable is. But in this case, for these
4 three graphs, it's the 25th and 75th percent for hospitals
5 that actually get that policy adjustment. 80 percent of
6 hospitals don't get IME, I think. It might be 75. And I
7 would think over half of hospitals don't get DSH.

8 MR. PETTENGILL: It's about half.

9 MS. DALTON: About half? So you're looking at
10 the 25th and 75th percentile just for the group that gets
11 it.

12 We're going to have one more of these. Bear with
13 me. This is the equivalent graph, but I've plotted the
14 effect of some of the hospital characteristics, the
15 operating characteristics, that are not part of the payment
16 system.

17 I'll talk a little bit about each of these.
18 Volume is obviously a fairly important variable to
19 investigate and to control for if you're looking at anything
20 that's based on a hospital's cost per case. We did look at
21 the volume again in four pieces. We divided it into
22 hospitals with fewer than 1,000 discharges and hospitals

1 with between, I believe, 1,000 and 10,000, 10,000 to 20,000,
2 and over 20,000, something like that.

3 What we found is, as suspected, there is an
4 effect, it's what we would call an economy of scale. There
5 is in effect a volume on costs per case. But since volume
6 is not part of the payment formula that means also there's
7 an effective volume on margin. But it only exists right
8 here in the middle area.

9 Down here, it's hard to say because the scale of
10 discharges is so wide across our hospitals that this graph
11 is compressed. But down here, if you were to look at the
12 group of hospitals below 1,000 discharges per year -- and
13 that's pretty small now. That's an average census of
14 probably between 10 and 15 patients per day.

15 Down below 1,000 it's actually quite flat. Now
16 that's something that is different now that we've pulled the
17 CAH hospitals out. If I had left the CAH hospitals in the
18 sample you would have seen something that was quite
19 consistent with what you saw a few years ago, when we were
20 talking about the low volume adjustment. But that
21 difference is now gone. It's gone for good reason because
22 we pulled 500 or 600 of the lowest performing hospitals --

1 lowest performing from the prospective of prospective
2 payment, at least -- out of the sample.

3 At any rate, there doesn't seem to be much of a
4 volume cost or a volume margin relationship at the low-end.
5 There's a slight one in between. And above 10,000 it
6 doesn't seem to make any difference, either.

7 This one down here is occupancy. And occupancy
8 has an effect on the margins pretty much in the direction
9 that we would expect. There aren't very many hospitals out
10 in this region of occupancy rates of 70 or 80 percent or
11 above. And they tend to be the big tertiary centers that
12 are there.

13 I think, if you'd asked me before I ran the model,
14 I would have expected this line to be a lot steeper. Either
15 I was mistaken in my expectations or it's possible we're not
16 very good at measuring capacity, so we don't have a very
17 good measurement of occupancy rates.

18 Over here we took a look at the effect of relative
19 wages on the margins. Now the wage index controls for
20 market-to-market differences in relative wages, but within
21 any given market an individual hospital's wages could be
22 above or below its labor market average. So this is what

1 we're looking at here. It's a ratio of the hospital's
2 hourly wage to its labor market hourly wage. That is, the
3 labor market used for its wage index. It ranges from about
4 .7 to 1.4. Most of the hospitals are in this middle range
5 here. It's pretty tightly distributed. It has a fairly
6 substantial effect on margins, for those that are at the
7 outer range. You can see that the 50 percent here is quite
8 close to the middle.

9 Finally, we have this length of stay variable,
10 which is the one I mentioned earlier, which is really the
11 ratio of the hospital's actual to its expected length of
12 stay. And you can see that has a very strong effect on the
13 margins. The hire your length of stay is relative to the
14 national average, for that makes the DRGs, then the lower
15 your margin is. So all of this is as expected.

16 What about the effects some of the other
17 variables, the effects of other hospital services? Well,
18 there are other hospital characteristics in the model that
19 aren't continuous measures. There are things that either
20 are or aren't. The hospital either has it or doesn't, or
21 operates it or doesn't operate it, or is located here is
22 not.

1 It's a little harder to plot their impact. I
2 can't go through the same mechanism. But you certainly can
3 still compute the difference in the margin between a base
4 case without it and a base case with it. And I use as an
5 example here those that are providing certain post-acute
6 care services. So I had to redefine my base case as a
7 hospital that doesn't have any subproviders. And now, what
8 happens if they offer long-term care? Here, by long-term
9 care, I mean skilled nursing or swing beds. I'm not talking
10 about long-term acute. The effect is about 2.4 points in
11 that payment-to-cost ratio.

12 And that base case hospital that operates nothing
13 has a ratio that's somewhere between 1.01 and 1.02. So
14 we're adding 2.4 to that, to give you some perspective.

15 If they operate the home health, the independent
16 effect of home health was about 1.9 points. Interestingly,
17 when they operated them together it was 4 points. So those
18 two factors seem to add to each other.

19 We didn't find much effect for hospitals that were
20 operating rehab or psychiatric subproviders.

21 And imported thing to keep in mind is that our
22 model is already controlling for length of stay because we

1 had that expected length-of-stay variable. So whatever
2 we're seeing here, it's not because their managing
3 discharges more quickly. It's something else.

4 I think the implication would be something about
5 what we might call an economy of scope. Certainly, an
6 ability to more effectively use your fixed costs and spread
7 your overhead out on more programs. That might be it,
8 although that would not account for why we don't see it in
9 folks that are operating rehab units. I'm not quite sure
10 what's going on here.

11 MR. HACKBARTH: Kathleen, since the measure of
12 performance here is the inpatient margin, wouldn't this be
13 distorted by the cost allocation issue? And this could be
14 simply an artifact of cost allocation between inpatient and
15 these post-acute services.

16 MS. DALTON: Right, if they operate them then they
17 have the ability, then some of that fixed overhead will have
18 gone there. Absolutely.

19 Although, I'm not sure that's artifact. I think
20 we might equally say that they're making better use of their
21 overhead by offering more services.

22 MR. HACKBARTH: Well, part of it be that but part

1 of it could be simply how costs are allocated.

2 MS. DALTON: Ah, but they aggressively allocated
3 to other areas where there used to be cost-reimbursement.
4 Sure. Sure.

5 Although, I'm surprised that we haven't found it
6 in rehab and psych. We're not quite sure, but I think that
7 is a pretty good -- I mean, I think that's certainly a
8 possible answer there.

9 Other hospital characteristics. Even with
10 everything that we've put in the model we still find the
11 margins show a big difference by ownership and location. If
12 we had this model perfectly specified, we would love to see
13 differences between the Midwest and the Northeast and the
14 South and the West go away. We'd to know what those are,
15 since geographic location, in and of itself, isn't a good
16 cause for anything. Obviously we're not there.

17 Ownership also has a very big impact on it. And
18 in fact, ownership and region are things that you have to
19 group because it has a different impact in some regions than
20 in others. So this is a case where we were careful to
21 combine the variables before we measured them.

22 We see, depending on what region you're in and how

1 you define your base case, we found the payment-to-cost
2 margins as 18 percent higher in for-profit institutions as
3 in public institutions, for example.

4 Depending on the region, the base case margins for
5 publicly-owned facilities ran between .95 and 1, for
6 example. And those same facilities modeled as for-profit
7 would raise that ratio to 1.05, somewhere between 1.05 and
8 1.15. So relatively speaking, that's a very big effect.

9 Now the thing is that when considering ownership,
10 the difficulty with interpreting those findings on ownership
11 is that we don't really know how much of that is what I
12 would tend to call treatment effective and how much of it is
13 selection effect. A little bit of jargon, but you can think
14 of what that means, is you have to assume, for example, that
15 the investor-owned firms are going into hospitals and
16 identify and choosing hospitals where they think they can do
17 well. So those are hospitals that are already going to have
18 characteristics that make them look like winners in the
19 Medicare situation. So a certain amount of it is selection.

20 On the other hand, once there, a certain amount of
21 it certainly would be or could be aggressive management.
22 And so that would be what I would call treatment effect. In

1 this sort of a model where you're just looking across
2 hospitals in a year, you're not going to be able to separate
3 those two. But definitely it is a strong effect.

4 So anyway, how much of the variation so far in
5 this sort of single-year cross-sectional analysis, have we
6 been able to explain? Well, everything that we put in, the
7 payment factors and all of the other characteristics, length
8 of stay and occupancy, region, rural or urban, ownership
9 types, all of it combined we explained about 42 percent. So
10 that's leaving us with a chunk, certainly well over half.

11 What would be in there? Some of it is, I think,
12 clearly related to market characteristics that I think we
13 could measure and we're trying to do that. This is still
14 preliminary and we'll build on the model some.

15 Those would include -- we do need to put more
16 information about local market supply characteristics, more
17 about the demographics of the population. We would
18 certainly like to account for managed care in the area and
19 the level of competition that way. We have county-level
20 variables to do that. We would probably incorporate some of
21 the measures that we saw -- was it one year ago or two, when
22 we studied rural hospital markets? Because at that point we

1 did construct, for 1999, some fairly elaborate demographic
2 measures for the hospital market that was constructed from
3 areas where the patients came from. So not just the county
4 where the hospital was located, but the patient-origin
5 market.

6 So we will try and see what that does to the
7 model. But a great deal of it, I think, is attributable to
8 what's unobservable. These are not quite measurable
9 differences in quality and in management effectiveness.

10 There's also a random component. And as long as
11 we're just looking at a single year, that's quite possibly a
12 very large one because there's a lot of variation from year
13 to year.

14 There's a lot of volume volatility. About a
15 fourth of the hospitals in this sample have fewer than 1,800
16 discharges a year. That's just not much. That's a very
17 small hospital. And in other work that we've done, at my
18 center we've done, in conjunction or under contract with the
19 Office of Rural Health Policy, we have studied a lot of this
20 volatility in hospitals and where it exists and how it's
21 associated. These small hospitals have not only much more
22 volatility, but the costs are much more sensitivity. So a

1 given 10 percent change in your volume in a year in the
2 number of discharges has a much bigger effect on your cost
3 per case in a small hospital than in the larger ones.

4 And all of that, I think, contributes to the
5 unexplained portion that we have here.

6 I also got a very helpful suggestion from Dr.
7 Newhouse a couple of days ago, which I followed up on, where
8 he suggested a way to get out what may be at least an upper
9 bound of the underlying, just totally random variation that
10 we should not expect to get to no matter much we improve on
11 this model.

12 I followed his approach to it, and that might be
13 as high as 20 percent. So you're looking at 58 percent, and
14 it may be that as high as 20 percent is just pure random and
15 we're just not going to get at it. So in that case, the 42
16 percent looks up bit better, when you could think of it as
17 well, we've explained half of what is potentially
18 explainable. Another way of looking at.

19 On that random component, you know, year-to-year
20 variation simply cannot be captured in a cross-sectional
21 model. As I said, there is much greater demand fluctuation
22 in these small hospitals. I think this is something we need

1 to be looking at in our further applications. It needs a
2 different study design. It needs a study design with
3 multiple years. There are ways to get at it but I think
4 that we should focus on this in the coming -- not by June,
5 mind you. That we could not do. Not by the June report,
6 but perhaps in some further study.

7 Anyway, how to summarize all of this and pull it
8 together a little bit. I guess we can say most of the
9 variation that we can account for is attributable to the
10 payment system factors. Some of the variation is due to
11 problems in the case mix and the wage adjusters. We've seen
12 that. But as expected, I think, the bulk of the payment
13 system contribution belongs to the policy adjusters.

14 Now, because a lot of these factors are positively
15 correlated, that is people with lots of teaching or high DSH
16 -- not people, hospitals -- also tend to be located in the
17 markets with high wage index and tend to have high case mix.
18 All of these tend to occur together.

19 I think we may have more of an influence than it
20 may appear when you look at these individually in the graphs
21 the way I showed it. I think it could have a slightly more
22 policy -- stronger policy influence because of it. The

1 different factors may be compounding each other and that's
2 something that we need to keep in mind.

3 As a group, the hospital choice variables do have
4 a substantial effect. Not as big as the payment variables
5 combined but still substantial. Individually, any one of
6 them may have a modest effect, certainly compared to the policy
7 adjustment effect.

8 But I think, before we do too much on the
9 contributions of the hospital characteristics, we really
10 need to get a better understanding of what's going on those
11 differences by region and by ownership.

12 I'm going to turn over the rest of this to Julian.

13 MR. PETTENGILL: Which will be exceedingly brief.

14 Basically, this slide says it all. We're going to
15 try to deal a little bit better with some of the things that
16 we see as current limitations in the preliminary findings,
17 like exploring differences in market circumstances a little
18 bit better. We'll plug in some of the variables that we
19 have in hand. But you have to recognize that one of the
20 main limitations there is data. It is very hard to get data
21 that really capture a lot of the market circumstances that
22 you would like to explore.

1 But we will do the best we can in the short run
2 and try to do that for the June report and come back to you
3 in April with a draft chapter that includes that material.

4 We also want to test the consistency of the
5 findings over time because one of the key questions here is
6 whether, as Kathleen said, if you've identified the
7 structural relationships here among the variables then that
8 should hold up over time.

9 And the other issue we want to explore for the
10 June report is this length-of-stay variable which is very
11 interesting and very powerful. What is associated with
12 that? How are hospitals able to have very low ratios of
13 actual-to-expected Medicare length of stay in places where
14 they do that?

15 And then, in the longer run, I think there is some
16 other work that really needs to be done, including exploring
17 more fully the dynamics of performance over time. From
18 earlier work we know there are hospitals that perform well
19 systematically and consistently over time, and likewise
20 there are a bunch of hospitals that perform poorly
21 systematically over time. And then there are hospitals that
22 move up and down and around over the course of a three or

1 four or five year period. And we'd like to understand
2 better what's going on with them.

3 So that's pretty much it.

4 DR. NEWHOUSE: Kathleen, thank you for doing this.
5 There certainly are a lot of substance here to chew over.

6 I've been thinking about my own contribution to
7 the Kathleen Dalton full employment act, in terms of Glenn's
8 question about the effect of adding the post-acute
9 facilities and the issue of whether that was economies of
10 scope or accounting. It seems to me one way to get at that,
11 that would also have some interest in its own right for the
12 Commission, is to go to the most of Medicare margin. That
13 if it's accounting, then it should mostly go away. And if
14 it's economies of scope it shouldn't.

15 Then just one other observation in passing. There
16 was a debate at the start of the PPS that mostly
17 disappeared, but I'm sure Julian remembers, about
18 compression. As I read your findings, with respect to CMI,
19 you've actually find anti-compression.

20 MR. PETTENGILL: We stretched it.

21 DR. NEWHOUSE: You stretched it, yes.

22 MS. DALTON: Although if I could say,

1 interestingly enough, that graph looked different when the
2 CAH hospitals were there. So I think there's something
3 going on at the low end that we need to understand better.

4 DR. NEWHOUSE: Although there's nothing in the
5 debate about -- this is a kind of theoretical thing that
6 would have led you to think it was an artifact of CAH
7 hospitals.

8 DR. ROWE: One of my questions is I was wondering
9 what the impact of taking the CAH hospitals out was because
10 that's not a small proportion of rural hospitals. It's a
11 big proportion. One of the problems with the report is
12 you're going to have data on rural hospitals which people
13 are going to interpret as rural hospitals when, in fact,
14 it's a subset of the rural hospitals. When CAH's are not
15 there, people may miss that. You might want to present data
16 with and without them, if you can, or whatever. Some of the
17 factors may not be relevant to them because of the way
18 they're paid. I think that may be a big effect here and it
19 may be misleading.

20 You probably covered this and I missed it, but did
21 you take into account whether a hospital was for-profit or
22 not?

1 MS. DALTON: We did.

2 DR. ROWE: Was that a contributor?

3 MS. DALTON: Oh yes, the margins for a for-profit
4 hospital, controlling for everything else, are still
5 considerably higher everywhere but the Northeast.

6 DR. ROWE: So the proportion of the unexplained
7 variance is after you take out the proportion that's
8 explained by whether it's for-profit?

9 MS. DALTON: Yes.

10 MR. SMITH: Kathleen and Julian, I found this very
11 helpful and useful. A quick question on hospital choice.
12 Does it make sense to try to add some measure of Medicare
13 intensity? As one of the things that might -- you will be
14 less sensitive to the Medicare margin if you are less
15 Medicare intensive. And do we find a measure of intensity
16 adds to some of the explanatory power of the hospital
17 choice?

18 MS. DALTON: I have not -- intensity meaning
19 Medicare utilization as a payer mix? I should put that in
20 there. It's not one I've tried yet, and I should. It's a
21 good suggestion.

22 MR. DeBUSK: Kathleen, Julian, I enjoyed this

1 section. It certainly brings up a lot of questions, as well
2 as lead to potentially the answer to a lot of questions.
3 But I've got some simple questions here. What is the spread
4 on the wage index on a national basis?

5 MR. PETTENGILL: It roughly runs from about .78 up
6 to about 1.5.

7 MR. DeBUSK: What's the total payout in the DSH
8 annually?

9 MR. PETTENGILL: Total payout?

10 MR. DeBUSK: Yes, by Medicare, of the
11 disproportionate share.

12 DR. STOWERS: About \$5 billion.

13 MR. DeBUSK: About \$5 billion?

14 Kathleen, I find the compounding effect really
15 interesting here. The best I recalled, the wage index comes
16 along at the end of the formula; right?

17 MS. DALTON: Right. That's one way of thinking of
18 it, yes. They just multiplied one after each other. So
19 yes.

20 MR. DeBUSK: So the synergies, when you pull that
21 in proportion to the base, something is going on
22 mathematically here to make this thing continue to go

1 skyward.

2 MS. DALTON: Right.

3 MR. DeBUSK: It's hard to explain.

4 MS. DALTON: If you've got an advantage because of
5 a measurement problem in the wage index, for example, and in
6 this case what we saw in the wage index could occur for a
7 variety of reasons. It could be because there is some
8 systematic difference in the measurement of average wages in
9 high wage areas versus low. Or it could be because the
10 labor-related share of payments is set too high. I'm
11 inclined to the latter explanation but that's not the only
12 possible one.

13 But if, in fact, you're enjoying the benefit of
14 too high a labor-related share and you're in a high-wage
15 area, so you're getting your payments adjusted upward and
16 you're getting too much of your payments adjusted upward,
17 you get your whole payment including IME and DSH and the
18 base. Everything gets adjusted upward. So the effect is
19 bigger.

20 I would say that there is a fairly complicated
21 thing going on in the interaction between eligibility for
22 DSH and eligibility for teaching adjustments. I left them

1 separate in this analysis. As you well know, anyone here,
2 teaching -- this is a very complicated subject and I didn't
3 want to get bogged down in the teaching estimate, per se.
4 But that really needs some more careful splitting out and
5 examining, as well.

6 What I was referring to is the overlap, the
7 difference between those that get both and those that get
8 one or the other.

9 DR. REISCHAUER: Kathleen, I think this is a very
10 interesting piece of analysis and it raises all sorts of
11 interesting further questions.

12 Am I right that when you were looking at the scope
13 of hospital services, that these are dummy variables? I
14 mean, did you try the fraction of home health and SNF
15 business versus inpatient? As opposed to yes or no?
16 Because it's sort of like some of these things have three
17 SNF beds, or something like that. It's really not a big
18 deal.

19 Then right along the same line, why didn't you
20 include outpatient Medicare services versus inpatient, as
21 also another one of these variables?

22 MS. DALTON: Those are all excellent suggestions.

1 In this particular model, I didn't use the intensity of the
2 long-term care beds, the size of it relative to the size of
3 the inpatient operation. I could. We have that data.

4 With home health it's a little more difficult.
5 The data is not that reliable because it's coming off a part
6 of the cost report that's a little -- it's just got more
7 problems in it where you have to look at home health revenue
8 compared to total revenue. And you tend to lose a few more
9 hospitals because they have clearly out-of-range values.

10 But you're right, I think it is important to do
11 that, possibly even just to divide it into small, medium,
12 and large on those dimensions.

13 The outpatient is very important. I agree with
14 you. I think we need to capture the relative size of the
15 inpatient from the outpatient book of business.

16 DR. REISCHAUER: Another question about this
17 analysis and whether this would be a useful test. We had
18 the effect of outlier adjustments and it slumped downward
19 and that's the right way because you pick up a fraction of
20 the excess costs if you're a hospital.

21 But I was wondering if we had multi-year data for
22 this kind of analysis? Could you look at the change in the

1 slopes of that line to see whether there was increased abuse
2 of the outlier adjustment over time? That if we had 2002
3 data, might we find that line sloping upwards? The tenet
4 effect.

5 MS. DALTON: How will I answer that? We certainly
6 could do multiple years. The thing about the outlier line
7 in earlier years is that the formula has changed. And so
8 it's going to look different as we got rid of day outliers,
9 as we change the threshold, or other factors that would make
10 that slope differ from year-to-year.

11 I did try, even in this data, just testing the
12 sensitivity. If I pulled all the hospitals for whom
13 outliers were more than -- I think it was 50 percent DRG
14 payments. They're not many, but I was worried that that
15 extreme value would, in fact, influence the estimate. And
16 it did.

17 If you pull them out, that line slopes downward
18 more steeply. In other words, there are some of those
19 hospitals whose profits are not affected by it. And so it's
20 watering down the effect a little bit.

21 DR. REISCHAUER: This was the hospitals with --
22 what did you say, over 50 percent?

1 MS. DALTON: Where outlier payments were more than
2 50 percent --

3 DR. REISCHAUER: Is that of the DRG payments?

4 MS. DALTON: -- of the DRG payments, yes.

5 DR. REISCHAUER: Did they have positive inpatient
6 margins?

7 MS. DALTON: I don't know. I would have to look.
8 That I didn't do. I simply took them out of the sample to
9 see was that small group biasing this? Or was at least my
10 estimate very sensitive to that extreme group. And the
11 answer was yes.

12 MR. PETTENGILL: Bob, you have to remember, this
13 is 1998 data for the most part and that's before the full
14 flowering of this effect.

15 MS. DALTON: If anything, it's gotten worse.

16 MR. PETTENGILL: So it would be really interesting
17 on 2000 or 2001.

18 DR. REISCHAUER: The fact that the line sloped
19 down steeper when you took the people who were supposedly
20 losing the most money on this out, it makes you think we
21 should have to turn the graph around.

22 MR. PETTENGILL: Right, but there's a difference

1 between what she has now and the 1998 data. Maybe you have
2 what, 20 hospitals like that? Or maybe even fewer. Versus
3 120 or whatever. It's just going to get stronger and
4 stronger until these new policies go into effect and then it
5 gets wiped out again.

6 DR. WOLTER: I was just going to say it would be
7 interesting, if possible -- and maybe case-mix index is a
8 proxy for this -- but it would be interesting to see if we
9 can match any of this up with actual DRG mix. I think
10 there's a definite sense that certain procedural and
11 surgical DRGs have more profit associated with them than
12 medical.

13 In fact, I think anecdotally there's lots of
14 behaviors around the country aimed at marketing to certain
15 types of patients. And then, of course, if we could put
16 that analysis together we put could match it up with
17 urban/rural region, for-profit/not-for-profit. I think that
18 could be a valuable contribution, if we could put that
19 together.

20 Secondly, I was just trying to connect this a
21 little bit with the presentation on the variation in
22 expenditure per beneficiary. Of course, that's different

1 than inpatient PPS margins. But I think if some would take
2 comfort in the fact that the variation in expenditure per
3 beneficiary is reduced after payment factors and policy
4 factors are taken away, others would take this presentation
5 and take no comfort in it whatsoever, but rather conclude
6 that it only proves that there's inequity.

7 And so, back to Dave's question earlier about how
8 we frame that particular chapter, we may want to think about
9 that, as well.

10 MR. HACKBARTH: I agree with Nick. which is one of
11 the reasons why when were talking to David, I thought using
12 the phrase intended variation and unintended variation is a
13 way to get at that. This is a conscious design of policy.
14 Then we can argue about whether it's good policy or not and
15 make reference to this analysis in that discussion.

16 DR. WAKEFIELD: Kathleen, would you comment just
17 little bit more on in the overheads random component of the
18 unexplained variation, volume volatility specifically.

19 You talked about both your work here and then some
20 other work that you're doing that -- I've tried to notes and
21 so now I'm trying to read my notes, and it's not easy.

22 But you were talking, I think, about greater

1 instability in demand year-to-year for low volume
2 facilities. I forget what the cut-off was, but for low
3 volume facilitates. So would it follow then that that
4 random component is a potentially larger source of variation
5 for low volume -- which tend to be in rural areas but not
6 just -- for a larger source of variation in terms of impact
7 on the margins? And then later on, I suppose, whatever
8 implications that has. But could you comment a little bit
9 on linking those two?

10 MS. DALTON: Because there is more volatility in
11 demand and there's greater sensitivity to that volatility in
12 demand, is what we think we've found from this other work in
13 the low volume hospitals which are predominantly rural
14 hospitals, then there is more of that -- what shows up in
15 this cross-sectional analysis, it looks like unexplained
16 variation and I've been calling it random. But of course,
17 to the extent that I can say it belongs to this group, it's
18 no longer quite random. We can call it pseudo-random.

19 It's more fluctuation in this small group. it is
20 there. The thing to remember about that is we're talking
21 about fluctuation. So that's not contributing to the lower
22 average margins that you talk about. What that contributes

1 to is bouncing up and down. So you have people who are
2 doing well one year and doing poorly the next year, well one
3 year, poorly the next year.

4 So if you think, sort of if you lay hospitals out
5 in a quadrant of folks who do poorly and folks who do well,
6 and you looked at it in one year and in another year, you
7 have some that are poor in all years, and some that are well
8 in all years. And then you have some that bounce back and
9 forth. That's the group that we would be talking about, to
10 the extent that volatility affects where they are in this
11 curve in one year.

12 DR. WAKEFIELD: Which then might have an impact on
13 your hospital characteristics management decisions. I guess
14 I'm asking. In terms of CEOs of hospitals being able to
15 position their facility for profitability if a lot of the
16 patients they're caring for are Medicare patients, and
17 they're a low volume facility with a lot of that instability
18 year-to-year. I guess these are in separate boxes but maybe
19 there's some interplay there to them.

20 MS. DALTON: Certainly that probably has
21 implications for the occupancy, since it's bouncing around.

22 MS. DePARLE: Nick asked my question but I'm not

1 sure I heard the answer, which is whether it's possible to
2 drill down more and see whether some of the variation is
3 accounted for by hospitals that perform more of certain
4 procedures or DRGs? is it possible to do that?

5 MS. DALTON: Sure, you could have a variable that
6 had percent cardiology DRGs to total or percent surgical to
7 total. I hadn't thought about doing it, and that's an
8 excellent idea. We could do that, right? That's an
9 excellent idea and not hard to implement.

10 MR. PETTENGILL: Don't expect it for June.

11 MS. DALTON: Maybe not by June.

12 MR. DeBUSK: On page 17 of the handout, the
13 summary of margin effects of other hospital characteristics;
14 volume, occupancy, relative wages, and length of stay, I
15 think from some of the people I've talked to in Florida
16 right now they're -- to use the old saying, they're selling
17 themselves out of business. They are just covered up with
18 admissions of Medicare patients and occupancy.

19 The dynamics that are taking place because of this
20 large percentage of Medicare patients, they claim, is quite
21 unusual. And therein may lie an opportunity.

22 And Mark, this is one of the things I mentioned to

1 you, is about what's going on in Florida. I think there's a
2 real snapshot of where we're headed with some of the
3 challenges going forward as the baby-boomers come of age.

4 But there's some unusual things going on down
5 there and some big, big hospitals. And this is happening
6 now and this data is five or six years old. So what's going
7 on? I'm not so sure we know what's going on. Well, we
8 don't know what's going on.

9 But at this point, I think there's a real message
10 here. There's an opportunity to look into the future
11 perhaps somewhat, and say what is the dynamics? What's
12 changing? What's happening in Florida where these
13 admissions are hitting an all-time high with Medicare
14 patients? Because there's definitely something going on in
15 the care and the effect it has on caring for these people
16 and the cost.

17 MR. HACKBARTH: Good work. We look forward to
18 hearing the next installment.

19 We are close to lunchtime now. We will have a
20 brief public comment period. Since we're running a little
21 bit late I'm going to limit that to no more than 10 minutes,
22 and it could even be less than that.

1 It is less than that. Okay, we will adjourn now
2 for lunch and reconvene at 1:15. Thank you.

3 [Whereupon, at 12:10 p.m., the meeting was
4 recessed, to reconvene at 1:15 p.m. this same day.]

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1 idea is that a better understanding of why service use is
2 growing should allow us to better target policies aimed at
3 controlling growth in spending.

4 This is very much a work in progress. What you
5 have here is an outline of the proposed chapter. As I go
6 through it I'll try and give you a sense of where we are.
7 You've seen general trends in service use growth and trends
8 by type of service. I'll review those in just a moment.
9 And then your briefing papers included some new results that
10 we'll present today looking at growth by geographic area.
11 Then we'll present the results of our first analysis looking
12 at factors affecting growth starting with professional
13 liability. Another analyses are also planned, of course, as
14 outlined in the briefing papers.

15 Finally we'll review the kinds of policy options
16 that this work might inform. I'm sure you noticed that that
17 part of the chapter is in outline form at the moment and
18 we're very interested in your guidance there.

19 We won't be bringing you any historical data right
20 now because you've already seen it, but the general trend in
21 the use of physician services so there was very high growth
22 in the 1980s. That did moderate in the 1990s after

1 introduction of the physician fee schedule. Then we do see
2 future acceleration projected by the CMS actuaries.

3 This table shows the analysis of growth from 1999
4 to 2002 as published in the March report. To remind you,
5 the measure of service use is the sum of relative value
6 units for all services delivered without adjustment for
7 local prices. We applied the 2002 RVUs and conversion
8 factor to each year to allow for comparisons over time. The
9 measure represents resources used per fee-for-service
10 beneficiary and it captures changes in both the volume and
11 the intensity of services delivered. The data come from the
12 5 percent sample of the physician supplier claims in each
13 year. The average annual growth rate from 1999 to 2002 was
14 3.6 percent for all services. When you look at it by type
15 of service there's considerable variation, and these are
16 betos categories. That's a classification system developed
17 by CMS.

18 Evaluation and management services experienced the
19 lowest rate of growth at just under 2 percent per year. The
20 volume and intensity of procedures grew at about 4 percent
21 that annually for procedures, and tests and grew at 5.6
22 percent. The highest growth rate that we observed was for

1 imaging services which had an average annual rate of growth
2 of 9 percent.

3 MS. DePARLE: The first column, what are those
4 numbers?

5 DR. WORZALA: That's the actual value in 2002, so
6 when you take the relative value units and sum them up and
7 multiply by the 2002 conversion factor it's a measure of the
8 resources used per fee-for-service beneficiary. So it's
9 analogous to a dollar amount but it's not the same as
10 expenditures because we've taken away some of the things --

11 DR. NEWHOUSE: If everybody were paid at the same
12 price this would be dollars?

13 DR. WORZALA: Exactly. Right. So we've taken
14 away any of the local adjustment to payment for input
15 prices, but it is analogous to a dollar. So you could say
16 that fee-for-service beneficiaries, if everybody were paid
17 the same, we spent \$739 on physician services for a
18 beneficiary. Does that makes sense?

19 MS. DePARLE: Sort of.

20 DR. WORZALA: Kevin, did you want to add anything?

21

22 DR. HAYES: No, I think that really captures it.

1 So it's the dollar's worth of care that someone is receiving
2 in each of these categories.

3 DR. NEWHOUSE: I think Nancy-Ann's problem, maybe
4 she's not sure what the units are and maybe it's just best
5 interpreted as an index number.

6 MR. HACKBARTH: In the market that has a
7 geographic adjustment of 1.0, right? So in that market we'd
8 be talking about spending \$739 per --

9 DR. WORZALA: Then if you look at the numbers
10 under all services, do sum to 739, so we're just
11 apportioning all services across the service lines.

12 MS. DePARLE: So if I read this, the spending on
13 something like tests was relatively small but the average
14 annual growth of that over the 1999 to 2002 period was
15 relatively larger than some of the other where the actual
16 spending was hired.

17 DR. WORZALA: Right.

18 MR. DeBUSK: Why is this?

19 DR. WORZALA: That's what we want to find out.
20 Hopefully by the end of the April meeting we'll be able to
21 tell you, at least some of it.

22 MR. DeBUSK: It might have something to do with

1 the legal profession.

2 DR. WORZALA: I'm sure we'll get into that a bit
3 later.

4 Given the large growth in volume for imaging
5 services, we chose to focus our initial geographic analyses
6 only on that line of service. So what this map shows is the
7 level of service use in 2001. Due to data limitations
8 really for the denominator, fee-for-service beneficiaries in
9 area we could not use 2002 data and are limited to 2001. We
10 are hoping to expand to 2002 soon.

11 The unit of analysis here is the payment locality.
12 That's the geographic unit used to adjust payments for
13 differences in input prices, so things like the practice
14 expense, GPCI, the PLI GPCI. There are 87 payment
15 localities, of which 34 represent entire states. The other
16 payment localities represent large urban areas such as New
17 York or Chicago, or portions of larger states.
18 Particularly, California and Texas have a number of payment
19 localities within the state.

20 The measure of service use is the same. It's
21 representing resources used for imaging services on a per-
22 beneficiary basis, counting only fee-for-service

1 beneficiaries. Those areas with the lightest shading are
2 the lowest quartile of service use. Those with the darkest
3 shading are in the highest quartile of service use.

4 As with the geographic variation analysis you saw
5 this morning, we did map service use to the beneficiary
6 place of residence, not to the place of service delivery.
7 We use the denominator file to identify the population by
8 locality.

9 This table shows the pattern of growth in use of
10 imaging services by geographic area as well as the
11 relationship between the level of use at the beginning of
12 the period, or 1999, and the rate of growth over the period
13 1999 to 2001. Again, we're looking at payment localities
14 with the same measure of service use for imaging services.
15 You look at the four quartiles based on average use of
16 imaging services in '99. Quartile one has the lowest use,
17 quartile four has the highest use. That's reflected in the
18 second column there.

19 The use of imaging services did vary by a factor
20 of almost two between those with the lowest service use and
21 those with the highest use, so varying from 57-sort-of
22 dollars on average to 113. But when you look at the average

1 rates of annual growth there's a slightly opposite pattern
2 where those with low use initially, or quartile one, have a
3 higher rate of growth over the period, and those with the
4 highest use have the lowest rate of growth. So the
5 difference in growth rates you'll see is not quite as stark
6 or as large as the difference that you saw in the level of
7 service use.

8 We have two different hypotheses that might
9 explain this trend of lower growth in areas with higher use
10 and vice versa. One is these is more statistical where you
11 could have some regression to the mean, and the other might
12 be some sort of saturation hypothesis where those areas with
13 high level of use simply have less room for additional
14 growth in use of services.

15 Finally, the last column on the table captures the
16 contribution of both the initial level of service use and
17 the subsequent growth in service use to the overall growth.
18 So when you look at the overall growth in imaging from '99
19 to 2001 the average annual rate was 9 percent. The question
20 is, for each quartile when you look at both their level and
21 their rate of growth, how much are they contributing to that
22 9 percent growth overall?

1 What you see here is that quartile one, which
2 does have the highest rate of growth but is combined with a
3 lower level of service use, is actually a relatively small
4 contributor to the overall growth. By contrast, the third
5 and fourth quartiles which had lower growth but much higher
6 initial service use contribute more significantly and they
7 do account for about two-thirds of the overall growth. This
8 does illustrate that if policymakers are concerned with the
9 rate of growth in service use, you shouldn't focus simply on
10 areas with the highest rate of growth. Areas with high use
11 are equally important.

12 Our analysis of geographic variation and service
13 use is both descriptive, as I've presented here, and
14 analytic, supporting our investigation of the factors that
15 might account for the growth to start to answer Pete's
16 question. The first area that we were going to look at is
17 professional liability and that's where Kevin comes in.

18 DR. REISCHAUER: Can I ask a question? Do the
19 quartiles have the same number of beneficiaries in them or
20 are they service area?

21 DR. WORZALA: They're not beneficiary weighted in
22 defining the quartile, but then when you construct the

1 services --

2 DR. REISCHAUER: But then the last column you can
3 make no sense out of it at all.

4 MR. HACKBARTH: Did you beneficiary weight the
5 last column?

6 DR. WORZALA: Yes, the last column is. The last
7 column is, but in defining the quartiles we didn't do that.

8 DR. ROWE: You may have done this and I may have
9 missed it, but in your analysis -- I don't know if this is
10 possible. You might be able to look at it in one specific
11 area. In my experience there are two things that you have
12 to look at. One is the total use of imaging services, and
13 the second is the total number of imaging machines. You get
14 a very different analysis.

15 What happens is when there's a new machine or
16 machines are added to a market where there might be
17 relatively low use, they tend to get scheduled up pretty
18 quickly and there's not a lot of resistance to having any
19 particular test scheduled, because we want to use the
20 machine. When you get a saturated market, then people start
21 to have to wait for these tests and physicians are much more
22 rigorous about who's going to get the MRI versus who can

1 have a CAT scan or a regular film because they don't want to
2 wait, et cetera. So it's a kind of demand and supply issue
3 with respect to the number of machines. That might explain
4 why the areas with the lowest utilization on an absolute
5 basis have the highest growth, because those are ones where
6 machines are just becoming available and there's relatively
7 low threshold to get scheduled, et cetera.

8 So that's just the way it works within a medical
9 center and a hospital and a community. I don't know if you
10 have the data available on the number of units as opposed to
11 the number of tests, but if you did it might make an
12 interesting secondary analysis. You might explain some of
13 the variance here.

14 MS. BURKE: Glenn, may I ask a question or do you
15 want to wait and just finish the whole --

16 MR. HACKBARTH: If we can wait I'd just as soon
17 get the presentations out.

18 DR. HAYES: So we've seen some variation in use of
19 services by type of service and by geographic area. So the
20 question now is whether we can explain those different
21 patterns in growth. Recall back in November we talked about
22 a workplan for this topic and the thought was that we would

1 try and identify various factors that might explain growth
2 in use of services, analyze some data to see which factors
3 are most important, and then if appropriate, identify some
4 policy options that the Congress or CMS might consider. So
5 this initial step here represents our effort to fulfill that
6 plan.

7 We can think of a number of different factors that
8 might affect growth in use of physician services. We've
9 talked about some of them this morning. We talked about
10 some of them just now. Things like technology diffusion,
11 changes in practice patterns. The Commission has been
12 concerned over the years about shifts in the site of care
13 and so on. So all of these things could conceivably play a
14 role in the growth patterns that we see.

15 As a first step in trying to pursue these
16 different factors we have focused on this matter of
17 professional liability or medical liability, whatever term
18 you prefer. The idea here is that because of fear of
19 medical liability suits it's possible that physicians are
20 ordering extra tests and procedures just to protect
21 themselves and practice what has been termed defensive
22 medicine. We chose this topic for different reasons. Part

1 of it has to do with the availability of information on the
2 subject and I'll get to that in a second. But the other is
3 that this topic does illustrate the way that we can proceed
4 from a topic that might affect use of physician services
5 through some kind of an analysis and ultimately maybe some
6 recommendations regarding policy.

7 So looking at this first bullet here our question
8 for now is do areas with higher professional liability
9 insurance premiums have higher growth in use of physician
10 services? As you can see here, we're using this idea of
11 professional liability insurance premiums as an indicator of
12 the risk of medical liability lawsuits. Certainly, we would
13 expect that the level of these premiums is determined in
14 large part by the number of lawsuits in an area and the
15 amount of awards in those lawsuits.

16 From an analytical perspective we've gone about
17 trying to address this question by using as our measure of
18 PLI premiums the geographic practice cost index in the
19 physician fee schedule for PLI. This is an index that CMS
20 maintains. It's based on collection of data on PLI premiums
21 for the different payment localities that Medicare uses.
22 You can see once again we're focusing on imaging services as

1 a high growth type of service.

2 MR. DeBUSK: Kevin, a certificate of need will
3 come into play, which states have certificates of need and
4 which don't, because that's going to determine the number of
5 units in that state.

6 DR. HAYES: Sure. There are many, many factors
7 that we can pursue. There was talk this morning about
8 supplemental insurance coverage. There's just a long list
9 of possible candidates that might help us understand why use
10 of services is what it is. I think the goal here is to go
11 through analyses of these different factors and we hope get
12 to the point where we achieve a level of understanding of
13 what the more important factors are and then we can turn the
14 Congress and say, okay, if you're worried about these
15 factors, here are some recommendations from a policy
16 standpoint you might consider, given that understanding of
17 the important factors as a backdrop.

18 So let's just talk for a second about this PLI
19 GPCI that we have available to us. This index varies by
20 payment locality and it ranges from a low -- the GPCI itself
21 is centered around a value of one. It ranges from a low of
22 0.28 to a high of 2.7. 0.28 is in South Carolina. The

1 whole state is a payment locality. And 2.7 is the GPCI for
2 the city of Detroit, just to give you an ideal of what we're
3 dealing with here.

4 If we then say, what do we see when we try and
5 compare the GPCI and use of imaging services? This table
6 gives you a first pass at our results. It's structured
7 pretty much the same way as the table that Chantal showed in
8 that we have classified payment localities into quartiles
9 based on the value of this GPCI. The second column over
10 here you can see what the average level of the GPCI is for
11 each of the localities ranging from 0.5 up to 1.4.

12 That next column over is interesting in that it
13 begins to show us what might be some kind of a relationship
14 between use of imaging services and the level of the GPCI.
15 We can see a steady increase here from 69 on up to 101.
16 Before we proclaim this as the answer I'll just alert you to
17 the fact that I've got some caveats to talk about in just a
18 second or so. But in any case, this is an interesting
19 result and prompts us to look further in this area.

20 The next column over shows the average rate of
21 growth in imaging services, use of imaging services for each
22 of the quartiles. We see the highest rate of growth is for

1 the first quartile; the quartile with the lowest average
2 service use. Then we see a decrease in the growth rates
3 down to 7.9 in quartile four. There is a negative
4 correlation. If we calculate a correlation coefficient for
5 this we get a coefficient of minus 0.22. But when we look
6 at the individual quartiles the relationship is a little
7 less clear and that we've got quartile three there
8 misbehaving with a growth rate of 9.4. So that breaks up
9 any clear trend that we might see here. But nonetheless,
10 there is some kind of a relationship there.

11 Then finally we have the contributions to overall
12 growth of the type that Chantal showed. I'd just point out
13 here that we've got -- the first quartile is contributing
14 2.2 percentage points to our total of nine, but then the
15 fourth quartile is making the same contribution. That once
16 again shows that combination of the baseline use rate
17 working with the average annual growth rate and you can get
18 a high contribution to the overall growth with this
19 combination of either low baseline, high growth or high
20 baseline, low growth.

21 Our next slide then just lists some of the caveats
22 that we'd want to put on all of this. The first thing would

1 have to do with the limitations of our measure of PLI
2 premiums, this GPCI from the fee schedule. There are a
3 couple of things to point out about this. The first is that
4 ideally we would have a measure of premiums that is for the
5 physicians, the physician specialties, that are actually
6 ordering these imaging services. But we don't have that.
7 We just have the indicator for all physician specialties.

8 The other thing that we would really like to have
9 is some sense of how these premiums are growing. After all,
10 our primary interest here is in growth in use of physician
11 services and it would be nice to have a compatible measure
12 of PLI premiums, risk of medical liability suits, whatever
13 it is. But once again, we just have this GPCI. It's an
14 average for three years, 1996 through 1998, but it doesn't
15 represent any kind of a growth in premiums type of measure.

16 Finally just coming back to that point about the
17 data used to determine the GPCI, that is from '96 to '98.
18 I'll just point out this one graph that you've seen before,
19 something we put in the March report. It has to do with
20 growth in PLI premiums over time. You can see by looking at
21 this that with data from 1996 through 1998 we were in a
22 period when premiums were declining or flat perhaps, but

1 since then, certainly for the period for which we have the
2 use of services data, premiums were going up. It could be
3 that imbedded in those growth rates that you see here there
4 have been some differentials by payment locality. We just
5 don't have that. It would be nice to have more recent PLI
6 premium data. CMS is working to collect better information
7 but we won't have that in time for the June report.

8 The other important thing to point out about this
9 has to do with the views of some that this relationship
10 between PLI and use of services could work in different
11 directions. Our hypothesis here is that risk of a medical
12 liability suit is what is leading to use of imaging
13 services. But it's possible that the relationship works the
14 other way. That greater use of services presents more
15 opportunities for errors and that is what is leading to the
16 PLI premiums that we see. Or it's some combination of the
17 two, that we have a dual multidirectional relationship going
18 on here. So it's an interesting situation that we confront
19 when we look at something like this.

20 So that then brings us to what we might do in the
21 way of policy options and how we might use analyses like
22 this to develop policy options. What I would say about this

1 is that ultimately after we've looked at a number of these
2 factors we might come up with some policy options that would
3 fall into two different groups. One group would have to do
4 with payment policy. Perhaps we would come up with some
5 suggestions for how Medicare pays for physician services
6 working through the fee schedule or some other mechanism
7 like that.

8 The other possibility is that we would consider
9 broader approaches outside of payment policy, disease
10 management, for example. Karen Milgate will be presenting a
11 paper tomorrow on using incentives to improve quality of
12 care. If we think that maybe some use of services involves
13 overuse of services, and if we view overuse of services as a
14 quality problem, then maybe some of the ideas that Karen
15 will be talking about are a relevant source of options for
16 us to consider.

17 Then there is the matter of the ambiguous results
18 that we get out of an analysis like the one that we've
19 conducted so far having to do with this possibility of a
20 dual relationship between the factor that we're looking at
21 and use of physician services. It raises the question then
22 whether we should rely just on this approach to reaching

1 policy recommendations and whether we want to just address
2 some specific issues and develop targeted options, kind of
3 moving along on a parallel track.

4 The next steps for us in this effort involve
5 further analyses of factors affecting use of physician
6 services, technology, shifts in site of care, the patterns
7 and billing codes used to report services provided to
8 Medicare beneficiaries, and so on. Then ultimately we would
9 consider policy options as appropriate.

10 That's all we have.

11 MS. BURKE: As has been the case with all of these
12 this morning it has been quite useful and I think gives us a
13 framework for a terrific discussion. One of the things I
14 wondered about as you were building a set of criteria to
15 examine that might have an impact, not inconsistent with
16 where Jack was going, I wondered about the presence of
17 specialties, and the distribution of specialties and whether
18 or not both the number of physician as well as their mix
19 isn't a contributing factor. The presence of cardiologists,
20 the presence of radiologists, pathologists,
21 anesthesiologists. As you like at the imaging area as one
22 of the areas of growth, the presence of a large number of

1 specialists who either have available to them, as Jack
2 suggests, new imaging capacity because of growth in that or
3 just as the nature of their practice, whether we know today
4 whether the shifts that we saw occurring early on between
5 the different groups of physicians as we tried to examine
6 that previously, whether that still exists and what its
7 impact is.

8 DR. HAYES: We do have pretty good information on
9 the supply of physicians by geographic area, so that's
10 certainly the kind of thing that we can pursue, and there's
11 pretty fine level of detail in terms of the specialties as
12 well as just numbers of physicians.

13 DR. STOWERS: Kevin, I just wanted to open up this
14 PLI thing a little bit further. I think there's a
15 difference in the PLI market where the risk, and therefore
16 the premiums, are higher and stable over time. You would
17 expect there to be less growth. But I think what's happened
18 here, and I think you're absolutely right the secret is
19 probably in the change in the numbers from '99 to '01
20 because if you look on the map you've got Mississippi, the
21 Carolinas, Pennsylvania, some of the traditionally very low
22 PLI states that are in the middle of the crisis with

1 quadrupling of their premiums. What's happening there is, I
2 think the 11.1 percent growth makes perfect sense there in
3 the use of their services because they're suddenly finding
4 themselves changing from a low-risk PLI market to a very
5 high-risk PLI market, and therefore you would expect that
6 kind of response.

7 So I think if we look at stable situations and
8 growth situations where there's been a change in the PLI, I
9 think this is all going to make a lot more sense and
10 probably confirm a lot more the fact that as the market
11 changes to be higher risk you will see an increase in the
12 growth. So I think we've got to get growth to growth there
13 in looking at that.

14 MR. SMITH: Two points. Again, I found this very
15 useful, Chantal and Kevin. This continues a day of useful
16 stuff.

17 I wanted to make Sheila's supply point just as one
18 of the things we ought to take a look at. But the other one
19 that struck me looking at this map and trying to do a crude
20 effort of figuring out what it told us, it also seems to me
21 that beneficiaries characteristics may be very telling here.
22 Intensity seems to me to line up with what we know about

1 retirement communities. Even Pennsylvania is interesting,
2 Ray. It's got the oldest population in the country. And
3 you mentioned some of the other beneficiary characteristics,
4 access to the supplemental market. So things are going to
5 line up in varying ways and I suspect we're going to find a
6 multiplicity of causes here.

7 I would be a little bit careful about getting too
8 far down the PLI limb before we look and see whether some
9 other stuff tells us both as much and as little as that
10 does.

11 DR. HAYES: I should point out this was meant to
12 be an illustration of the sequence that we hope to go
13 through with all these where we start out with a factor and
14 see what the relationship looks like. Ultimately we're
15 going to have to put all this together and sort it out and
16 figure out which ones are more important and which ones are
17 less. We hope that the most important ones then become the
18 focal point, as appropriate, for policy options.

19 DR. NELSON: I again want to urge that we avoid a
20 conclusion that volume growth is somehow evil and that
21 policy should be directed toward controlling it, because
22 certainly that's not the case with less invasive

1 cardiovascular procedures or colonoscopy or osteoporosis
2 screening or other things in which we seek to increase
3 volume appropriately. And probably that's true of some
4 imaging services as well.

5 Secondly, you mentioned a shift of site of service
6 and particularly with respect to imaging that may be a
7 factor where previously more was done in the hospital and
8 both the technical and professional components were
9 separated and part billed to Part A. Now with freestanding
10 imaging centers more and more will be both going to Part B.
11 Now how much of it's appropriate or inappropriate is another
12 issue, but I'm talking mainly to make sure that we don't
13 include numbers that ought to be excluded.

14 The same could be said for drugs that are covered
15 under Part B.

16 The third thing, I'd just underscore someone else
17 said about avoiding connecting PLI with volume. It's
18 hazardous because of the multiple additional factors.
19 Probably the most important factor in volume in my view are
20 the availability of facilities, services, and the marketing
21 of those services. You certainly see that with direct to
22 consumer advertising of not only imaging capability but also

1 of some physician-provided drugs.

2 MS. DePARLE: I agree with Alan, I think it's
3 important that we not - and I don't think you have so far --
4 draw conclusions from the data about appropriateness or
5 inappropriateness. I guess I wonder if we'll be able to get
6 to that point by June. You've done a lot of work but it
7 seems like there's still a lot to be done here. In
8 particular, in the paper that you wrote you talk about
9 looking at growth in service use by site of service. Alan
10 alluded to this as well. You have some data about the
11 growth of IDTFs but I remember seeing something recently
12 about the growth in the performance of non-invasive imaging
13 in physicians' offices as opposed to referring out to either
14 hospitals or IDTFs. What sticks in my mind was something
15 like more than 50 percent of the procedures now being
16 performed by non-radiologists are in those other settings.

17 So I wondered if you had begun to look at that.
18 And if so, do you have any data on that yet?

19 DR. HAYES: We can look at the setting where
20 services are provided. It turns out that there's not a lot
21 of difference, I think it's fair to say this, between IDTFs
22 and physicians' offices in the sense that they tend to be

1 the same kinds of places, it's just that it's a difference
2 in designation, one versus the other.

3 The other thing I'd point out is that since we
4 wrote the paper even we have been looking at what seems to
5 be a pretty extensive -- I won't say extensive but there is
6 quite a body of work out there on this issue of self-
7 referral. Is that what you're thinking about?

8 MS. DePARLE: Yes. So when I said -- I think
9 there is a distinction between IDTFs and physicians'
10 offices, if you can drill down into this, because there are
11 physician offices where the referring physician is doing the
12 procedure in his or her own office. My understanding is
13 that that has grown a lot in the last few years. In that
14 sense I think an IDTF would be different because those
15 places are not -- those are typically staffed by
16 radiologists and my understanding is that a lot of the
17 growth has occurred in the non-radiologist offices.

18 DR. NELSON: What's IDTF?

19 MS. DePARLE: Independent diagnostic treatment
20 facility.

21 DR. HAYES: The claims files have the variables
22 that we need to find out who the referring physician versus

1 the physician who was providing the service. We just need
2 to work with those variables and see if they'll tell us
3 anything. We just don't know about the quality of the
4 information.

5 MS. DePARLE: I think I said that wrong. It's
6 diagnostic testing facility, not treatment.

7 MR. HACKBARTH: Just a word about the time frame
8 here. I think we're still very much in the research mode
9 here and I think we certainly will be through June and
10 beyond. Whether we will uncover anything that we think is
11 worthy of a policy proposal or not, I don't know. But if we
12 do it would be for the next year's cycle. We would be
13 working towards next March's report. So although we're
14 trying to publish a useful price of work for June, we've got
15 much more time than that to explore carefully this area.

16 DR. ROWE: I think this is very interesting.
17 Putting my clinician hat on I'd like to make a
18 recommendation I think might clean up the analysis a little
19 bit. If you look in Table 1 of your chapter, you list the
20 basket, if you will, of imaging procedures that you're
21 including in this imaging global measure. If you think
22 about it, defensive medicine, if it exists, is not really

1 doing chest x-rays. They've always been there. And it's
2 not doing plain x-rays of the musculoskeletal system. It's
3 really doing CAT scans when people have a headache even
4 though the neurological examination suggest that there's
5 nothing serious and they don't have a history of a seizure
6 of a severe head injury of something. It's doing the MRI
7 because somebody really wants one. Somebody wakes up with a
8 sense of having a dread disease so it's doing the total body
9 CAT scan just to make sure everything is okay, et cetera.

10 I think that you could clean it up a lot if you
11 went down this list of imaging and you took out some of
12 these things that probably aren't really relevant to your
13 defensive medicine hypothesis. You could just do CAT scans
14 and MRIs of the head and elsewhere and put those four
15 together as a kind of variable, and then do your analysis.
16 You might see it clean up dramatically because the regular
17 chest x-ray would fall out. Maybe cardiac imaging I would
18 buy. I can't believe people are doing lots of cardiac cath
19 on people who don't have any reason to have a cardiac cath.
20 That's hard to imagine because people die from cardiac
21 cath. At a very low incidence, but they do. So it's
22 really hard to imagine that there's much of that.

1 So really the issue is to be a little more
2 selective and create a secondary, maybe advanced imaging
3 category. I think that may clean things up a lot here.

4 MR. MULLER: Again I'll join in the compliments
5 for the quality of the work. A couple of comments. In
6 terms of the relationship of whether the liability leads to
7 more testing and more testing leads to liability. There's
8 been work done over the last 10 years in those Harvard
9 studies -- and those are hospital-based so they don't apply
10 to all physician locations -- that indicates that a
11 relatively small proportion of incidents lead to
12 malpractice. It's considerably under 20 percent. Sometimes
13 you look at four, 10, 12. So the likelihood -- there
14 obviously are intervening variables between incidents and
15 liability. So it's probably not that likely that more -- by
16 that logic, that the greater number of incidents would lead
17 to greater liability in that sense because there's just so
18 many things that happen in between the incidents and a
19 liability claim being filed.

20 Secondly, and Jack and Alice and others may
21 comment, but my sense is over the last eight, 10 years the
22 price of imaging has gone down quite a bit in the private

1 market. I don't know what the Medicare prices are. You
2 pointed out the prices for physician service in general, but
3 I don't know what the -- I can't remember now what the
4 imaging prices are for Medicare. But with that considerable
5 price competition and in the rest of the world price going
6 down sometimes does lead to more use, so my sense is part of
7 the explanation can be not just the one that Nancy was
8 suggesting in terms of the facilities being out that but
9 there's a very remarkable drop in price, I think of the
10 order of 75 percent in some of these in the last few years.

11 DR. HAYES: You're talking about the cost of the
12 equipment.

13 MR. MULLER: No, the price that private insurers
14 pay for this imaging as opposed to Medicare. I don't know
15 what the Medicare rates have been over this period but the
16 price paid, whether by self-pay or by private.

17 I just have a brief question of Jack. I agree
18 with his sense of reclassifying the imaging base. But my
19 sense is the kind of geographic variation work that was
20 discussed this morning indicates that the CATs, in fact
21 there's quite a bit of a variety, variation in CATs so they
22 may in fact not just be always driven by pure -- so that you

1 may want to keep them in or not. I don't have a definitive
2 opinion, I'm just really more asking a question of that.
3 But I would definitely look at the price variable because I
4 think the proliferation of these devices has -- you can't
5 get them for \$49 like Earl Scheib but you can get pretty
6 close.

7 DR. NEWHOUSE: I guess I had a reaction somewhat
8 similar to what I read as Glenn's, which was I wasn't clear
9 where this was going at end of the day or how we were going
10 to interpret it. I think consistent with Ralph's remarks
11 about price, this kind of slide I think one could say this
12 is where technological change is occurring. It's hard to
13 make any normative judgment about whether this is good, bad
14 or indifferent.

15 I also found it hard to interpret the growth rates
16 because I would have thought over -- generally they were
17 over a two or three-year period. I would have thought
18 there's got to be a fairly large random component in that
19 short a time period about just where particular providers go
20 in, and where Jack's new facilities come in. I, frankly,
21 didn't quite know what to make of it.

22 Then going back on a minor point, going back to a

1 discussion we had this morning about the geographic
2 variations, I think the growth numbers here are presumably
3 resident-specific, right? And the PLI numbers are provider-
4 specific? So you have some across interference there.

5 MS. ROSENBLATT: Just a quick point. I too
6 thought the chapter was good and I liked the idea of zooming
7 in on the procedures that are increasing in volume, like
8 you've done with the imaging. Just one comment on the
9 medical liability. Those premiums are also going to reflect
10 the regulatory environment in the state. Like some states
11 have a cap, so that might be distorting the analysis.

12 MR. HACKBARTH: Any others?

13 DR. ROWE: A cap on?

14 MS. ROSENBLATT: The award, like California has a
15 \$250,000 cap, so that's going to affect the premium
16 obviously.

17 MR. HACKBARTH: As opposed to claims.

18 DR. ROWE: But I think if we start adjusting the -
19 - the premium is probably more influenced by stock market
20 performance than it is by number of claims or presence of a
21 cap. If you really look at why premiums are going up, it's
22 as much because the market has gone down for three years

1 than it is changes in the number of awards, malpractice
2 awards. So it's a hard thing to start to adjust.

3 MR. HACKBARTH: Any others?

4 Okay, thank you, Kevin, Chantal.

5 Next we have a series of presentations and
6 discussions on post-acute care. Sally, I think, is going to
7 frame the overall discussion; is that right, Sally?

8 DR. KAPLAN: Yes, sir.

9 The purpose of my presentation is to introduce the
10 post-acute care chapter that will be part of the June
11 report. The chapter is in response to your questions about
12 three areas of post-acute care. This is ongoing work. What
13 you'll see in the June chapter will only be the beginning.
14 So that's either a threat or a promise.

15 The June chapter will have three main sections
16 after an introduction, results from research using the post-
17 acute care database, on differences between freestanding and
18 hospital-based SNFs, and on long-term care hospitals. Today
19 you'll have presentations on SNFs by Suzanne Seagrave, and
20 on the post-acute episode database by Chris Hogan and Nancy
21 Ray. In April we will return with the draft chapter which
22 will include research on all three topics.

1 So Suzanne will be up next with the freestanding
2 versus hospital-based SNFs.

3 DR. SEAGRAVE: Good afternoon. First I want to
4 start off by reminding you of some of the issues we
5 discussed this fall, and this is in reference to motivating
6 why we're looking at the difference between hospital-based
7 and freestanding skilled nursing facilities.

8 First, we noticed a difference in financial
9 performance between these two types of facilities with
10 freestanding facilities having a Medicare margin in fiscal
11 year 2003 of approximately 11 percent and hospital-based
12 facilities having a margin of minus 36 percent for fiscal
13 year 2003. This is, again, the Medicare margin. This
14 shows, obviously, apparent market difference in the
15 financial performance of these two types.

16 In addition, we also showed you this fall evidence
17 to suggest that cost in freestanding SNFs have been
18 declining between 1998 and 2002, but GAO recently reported
19 that hospital-based SNFs' costs may have been rising, at
20 least between 1997 and 1999. They showed hospital-based SNF
21 costs going from \$461 per day in 1997 to \$490 per day in
22 1999.

1 Also suggesting a difference in the financial
2 performance of these two types of SNFs is that freestanding
3 SNFs appear to have increased their participation in the
4 Medicare program between 1998 and 2002 by about 3 percent,
5 whereas over the same period the number of hospital-based
6 SNFs participating in Medicare decreased by about 26
7 percent.

8 So this naturally led us to ask the question, why
9 are these two types of facilities, why do they appear to be
10 so different in terms of financial performance under the
11 Medicare program? So in the next few slides I will discuss
12 some of the observed differences between hospital-based and
13 freestanding SNFs that have been previously identified in
14 the literature. Then I will go on to discuss some very
15 preliminary findings from our analysis of some SNF stay data
16 that we've acquired in which we examine the populations and
17 patterns of use by type of facility.

18 First of all, in the literature a number of
19 studies have suggested that hospital-based SNFs may have a
20 higher case mix of patients than freestanding SNFs. For
21 example, MedPAC using 1999 data on APR-DRG case mix indexes
22 found that hospital-based SNFs had about 11 percentage

1 points higher APR-DRG case mix than freestanding SNFs.
2 Similarly, Corbin Liu and Associates in 2002, also using
3 1999 data and a slightly different DRG-based case-mix index
4 found that hospital-based SNFs were likely treating a higher
5 case mix of patients. They also found slightly higher use
6 of cardiac care units and intensive care units in the
7 hospital stay prior to entering hospital-based SNFs than in
8 patients who entered freestanding SNFs.

9 There have also been examples in the literature
10 demonstrating that hospital-based SNFs may have higher costs
11 per day than freestanding SNFs. This is just one example of
12 that. Liu and Associates, again using 1999 data -- and this
13 is not adjusted for case mix, I don't believe -- but he
14 found that hospital-based SNFs had almost twice the total
15 per diem total costs and twice the per diem routine costs
16 per day than freestanding SNFs.

17 Other observed differences previously noted in the
18 literature include the fact that hospital-based SNFs tend to
19 have about half the average length of stay of freestanding
20 SNFs. The research also tends to find higher levels of
21 nurse staffing and more skilled nurse staffing in hospital-
22 based SNFs. As you can see, a study by CMS -- this is the

1 big nurse staffing study by CMS -- found substantially
2 higher nurse hours per resident day both in total nursing
3 hours and in RN hours.

4 Because there are still a number of unanswered
5 questions about the differences between hospital-based and
6 freestanding facilities and the implications of these
7 differences for access to care and quality of care issues,
8 we have obtained a SNF stay database from CMS. The database
9 contains SNF stays occurring from 1996 through July 2001. I
10 want to note that the stays in 1996 and 1997 are probably
11 less complete and less reliable than in the later years. So
12 we tend to only use the data points after about 1998.

13 Stays in the dataset are identified by a unique
14 beneficiary ID, a unique facility ID, and a unique admission
15 date to the facility. So this means, for example, that if
16 you have a patient going from a hospital-based to a
17 freestanding facility those would be two different stays.
18 So we will eventually try to link those up to create an
19 episode.

20 This database is useful in that it links the
21 claims for the SNF stay with the claims for the prior
22 hospital stay and any rehospitalizations that occur after or

1 during the SNF stay. It links all of that with the OSCAR
2 file which provides provider information such as ownership,
3 type of facility, number of beds, location, et cetera. Then
4 this is all linked with the MDS 2.0 file which are all of
5 the beneficiary assessments that occur while the patient is
6 in the SNF. So this is a rich data source.

7 I wanted to point out that this differs from the
8 post-acute care episode database in that this looks,
9 obviously, at the stay level rather than at the episode
10 level. The database you'll hear about next looks at events
11 at the episode level. This also concentrates only on the
12 SNF stays so we actually capture all of the SNF stays that
13 occur in Medicare in each year, whereas the episode database
14 uses the 5 percent, so it's only a sample of those stays.

15 This slide presents a summary of the 200- data as
16 well as a summary of the 1994 data. In some cases we have
17 used 1994 data from the ProPAC June 1996 report. So this
18 shows you that in 2000, in our data we had 1.8 million SNF
19 stays accounting for about 1.4 million beneficiaries. 73
20 percent of these SNF stays were in freestanding facilities.
21 Almost 15,000 SNFs are in the database and about 87 percent
22 of these are freestanding. Just to compare, in the 1994

1 data there were 1.1 million SNF stays and just slightly over
2 12,000 SNFs. But if you can see, not as much changed as you
3 might expect between 1994 and 2000. That's going to be a
4 theme of this data.

5 This is to give you a look at the demographics of
6 patients going to freestanding and hospital-based SNFs both
7 in 1994 and in 2000. Again as you can see, not as much has
8 changed over the course of these years as you might have
9 expected. The hospital-based SNFs appear to treat fewer of
10 the 85-and-older population, but this was also true in 1994.
11 Similarly, hospital-based SNFs appear to treat more of the
12 non-elderly disabled population, as they did in 1994.
13 Interestingly, the population of non-elderly disabled
14 treated in both types of facilities has grown over the
15 period for both types of facilities.

16 This next slide shows the 10 most common DRGs
17 going to both freestanding and hospital-based SNFs. It is
18 in fact the same list, although for hospital-based SNFs the
19 order is just slightly different towards the bottom. But
20 interestingly, by the way -- it doesn't show on this slide
21 but these are in fact the same 10 DRGs that were most
22 commonly in SNFs in 1994 as well. Again, slight ordering

1 differences.

2 DR. ROWE: All this is just for Medicare, right?
3 This is not for SNFs in general, it's just for people in
4 Medicare.

5 DR. SEAGRAVE: Correct. We just focus on Medicare
6 beneficiaries.

7 As you can see, DRG 209 is the most common DRG of
8 patients going to SNFs. The percentage, 11.9 percent of the
9 stays in hospital-based SNFs were accounted for by this DRG
10 and 6.4 percent of the stays in freestanding facilities were
11 accounted for by this DRG. So it appears that hospital-
12 based SNFs are taking a higher proportion of their patients
13 from this DRG. But the trend is that the DRGs appear not to
14 be that different between the two types.

15 DR. REISCHAUER: This is like a hip replacement or
16 a knee replacement? It can't be a reattachment. I mean,
17 not many --

18 DR. ROWE: It's a joint reattachment. It's a hip
19 replacement or a hip fracture, a fixation of a hip fracture.
20

21 DR. SEAGRAVE: The last bit of data that I'm going
22 to show you today demonstrates again that hospital-based

1 SNFs continue to have about half the length of stay, the
2 average length of stay as freestanding SNFs. Interestingly,
3 the length of stay in both types of facilities has decreased
4 at about an equal rate from 1994 to 2000.

5 So as I said, these are just very preliminary
6 findings. From the literature and from our research of the
7 database we find that there may be a slightly higher case
8 mix of patients in hospital-based SNFs although additional
9 research may need to be done. Some studies indicate that
10 hospital-based SNFs may have higher nurse staffing ratios.
11 Eventually we want to look into this more.

12 Demographic mix of patients appears the same in
13 hospital-based and freestanding SNFs, but hospital-based
14 SNFs consistently appear to treat a higher percentage of
15 disabled beneficiaries and a lower percentage of
16 beneficiaries 85 years and older.

17 The most common DRGs treated in SNFs appear to be
18 about the same for hospital-based and freestanding SNFs, and
19 this doesn't appear to have changed much since 1994. And
20 the average length of stay in hospital-based SNFs is
21 consistently about half that in freestanding SNFs.

22 Next steps. Originally we had wanted to examine

1 the differences between hospital-based SNFs in three
2 categories: the types of beneficiaries, the use of the
3 facilities, the costs. When I say that I mean the cost to
4 the Medicare program, so Medicare payments to the two types
5 of facilities. And quality of care in the two type of
6 facilities. So our next steps are to try to examine
7 Medicare spending for the two types. When I say that I mean
8 we want to look all the way through the episode, from what
9 we spend in the hospital, what we spend in the SNF, and any
10 rehospitalization through the entire episode, to compare
11 Medicare spending in the two types of facilities.

12 Then also we hope to be able to bring you quality
13 of care with some preventable rehospitalizations that we're
14 looking at between the two types of facilities. I just want
15 to mention as well that we will look at some of this, we'll
16 try to look at some of this regionally, if we can, as well.

17 So I welcome any comments or questions.

18 DR. NELSON: I think also it would be important to
19 try and capture disposition, whether patients in a hospital-
20 based SNF, for example, were transferred to a freestanding
21 SNF in a more convenient location for the family, for
22 example. They were stabilized in the hospital-based SNFs

1 with an intention of subsequently going to another. So
2 whether they were discharged home, back to the hospital or
3 to another post-acute care setting would be interesting.

4 I think also with respect to quality measures,
5 things like bedsores, things of that sort that I believe are
6 captured in -- in the what, OASIS?

7 MS. DePARLE: No, not OASIS. MDS I think.

8 DR. NELSON: Anyway, some quality measures other
9 than just admission to the acute -- readmission rates --
10 that more particularly focus on the quality of post-acute
11 care.

12 MR. HACKBARTH: Your first point may also help
13 explain something that puzzled me, that the hospital-based
14 have higher case mix but a much shorter length of stay,
15 which would be consistent with the hypothesis that they're
16 there for a brief period, stabilized, and then moved on to a
17 freestanding SNF.

18 MR. MULLER: Consistent with the minus 36 percent
19 as well.

20 MR. HACKBARTH: In terms of intensiveness of the
21 services they receive during their stay.

22 MR. MULLER: And also then, when it's appropriate,

1 to move them to post -- home care and so forth.

2 DR. MILLER: Just to reassure you on this point,
3 some of these discussions have already taken place and part
4 of the reason that we're thinking that we need to look at
5 this, hospital-based and then into freestanding is we see
6 these lower lengths of stay and this question was coming up.
7 That's why Suzanne was pointing you to the episode analysis.

8 MR. SMITH: Actually most of what I wanted to
9 query about, Suzanne, was just done. We have hypothesized
10 in the past that hospital-based SNFs were up to something
11 else, something that the freestanding SNFs weren't. The
12 data are, at best, murky about that, but one possible answer
13 is the disposition, Alan. It may even be a facility and
14 resource management issue that hospital discharge planners
15 are less willing to take folks who are going to occupy
16 hospital-based SNF beds for long. So it seems there's a lot
17 to tease out here. The case mix difference is real but it
18 is not as striking as our last year's conversation about
19 they're up to something different would suggest. The
20 demographics are the same, the DRGs are the same. So I
21 think we need to look a little bit harder.

22 DR. NEWHOUSE: The demographics aren't the same.

1 They're much older.

2 MR. SMITH: Older in the freestanding SNFs, right.
3 So I think we need to really try to plumb this notion about,
4 if they are doing something different, what is it? It
5 doesn't come easily.

6 DR. REISCHAUER: But it does in that they have
7 twice the fraction that the freestanding does in people with
8 these hip replacement, joint replacements.

9 MS. RAPHAEL: Actually, this is not the DRG for
10 hip fracture. There is a different DRG. It's 236 that's
11 hip fracture. It's not this number one, 209. So I don't
12 know what 209 is exactly. It's hip replacement but it isn't
13 hip fracture.

14 DR. ROWE: But would it be -- it's not worth
15 mentioning but I think there are two kinds of hip fracture,
16 subcapital and intertrochanteric. When you have replacement
17 of a subcapital fracture you replace the head of the femur,
18 and therefore it's a joint replacement. So 209 probably
19 includes subcapital repairs plus hip replacement for people
20 with arthritis, and the other one is intertrochanteric
21 fractures. That's my guess, and that's why 209 gets to be
22 so high. But I'm not an orthopod, so...

1 MR. MULLER: The fact that the costs are roughly
2 twice and the case-mix index is maybe about 10, 15 percent
3 more -- I'd have to go back to that sheet -- would cause me
4 at least to look at some of the staffing ratios and so
5 forth.

6 DR. NEWHOUSE: That's the DRG case mix. That's
7 the hospital side case mix.

8 MR. MULLER: Correct. I'm just saying that the
9 cost difference is considerably more than the average case-
10 mix difference.

11 DR. NEWHOUSE: Yes, but you would really like a
12 case-mix index for the SNF, not the hospital case-mix index.

13 MR. MULLER: Yes. So in terms of -- my sense, one
14 of the things I'd be looking at here is just, if there's any
15 kind of data we have on staffing ratios and so forth. My
16 hypothesis would be that the hospital-based SNFs just follow
17 the pattern more closely of how hospitals get staffed,
18 whereas the freestanding being fairly separate do not. So
19 there's a kind of a number -- of how hospital staff that
20 falls into the hospital-based SNFs which probably causes
21 some of the higher costs. Then obviously there's a
22 question, is that consistent with what we need to be paying

1 for in terms of demographics and other characteristics of
2 the population?

3 MS. RAPHAEL: When we looked at the updates for
4 SNFs we noticed that the freestanding SNFs had really
5 lowered their costs and really changed their mix of staff.
6 Do we have any sense of what the patterns have been in
7 hospital-based SNFs? Have they done similar things?

8 DR. SEAGRAVE: The only evidence that we have
9 about this comes from the recent GAO study and they actually
10 -- as I said, they found that the costs were actually rising
11 between 1997 and 1999. Unfortunately, they were not able to
12 look at costs yet for 2000. We may try to do that
13 eventually because we have the cost reports now. But it did
14 not appear in the early -- of course, those were very early
15 stages, but it didn't appear in the early stages that
16 hospital-based SNFs were responding to the PPS in the same
17 ways that freestanding SNFs were.

18 MR. HACKBARTH: The freestanding SNFs, as I
19 recall, the largest declines were right at the beginning of
20 PPS; is that right?

21 DR. SEAGRAVE: [Nodding affirmatively.]

22 MR. HACKBARTH: So they were especially large in

1 '98 and '99. Here we see a quite different pattern for the
2 hospital-based of continuing increases.

3 MS. RAPHAEL: If there were any possibility of
4 your taking a look at that post-'99 I would be very
5 interested in seeing that because I agree with what Ralph
6 says, that the mix of staff here I think is driving the
7 costs, and we need to understand if there have been any
8 changes in that area at all.

9 Then I would be interested, for the young disabled
10 population where we see a higher proportion in the hospital-
11 based SNF, what the DRGs are associated with that
12 population. Because that population tends in fact, in
13 general, to have longer stays in post-acute, but in this
14 instance we see shorter stays for hospitals and I'd just
15 like to know a little bit more about that particular subset.

16 DR. WOLTER: I was just thinking of the SNF
17 recommendation to take the 6.7 percent add-on in certain
18 rehab RUG groups and spread that out into the non-rehab RUG
19 areas. I don't know if you guys have posed the question,
20 but does this information support that, conflict with it, or
21 really not take us anywhere in terms of that thinking? In
22 particular, the higher number of major joint replacements in

1 the hospital-based SNFs, intuitively I would think there
2 would be more rehab done with those patients. It's sort of
3 counter, in a way, to what we were thinking we were doing
4 with that recommendation. I don't know if you guys have
5 thought about that.

6 DR. SEAGRAVE: I did think about that and my first
7 reaction -- we need to look at this in the data but my first
8 reaction, since this is based on stays and not episodes
9 these may be, as someone pointed out, these may be being
10 stabilized in the hospital-based SNF then to move on to get
11 rehab in a freestanding SNF. We don't know that at this
12 point but that would be my hypothesis starting out. So we
13 want to look at that.

14 DR. MILLER: And also some of that -- correct me
15 if I'm wrong here, Suzanne -- some of that recommendation is
16 based on analysis that just spoke to the development of the
17 weights themselves when the SNF PPS was implemented, and
18 some suggestion even before you got drilled down to this
19 level, that the allocation wasn't quite right there. But I
20 don't see anything at this point -- we can drill down and
21 look at it -- that is in conflict with that recommendation.

22 DR. SEAGRAVE: No, I don't think -- this is still

1 at a very basic level. This is very preliminary and we
2 started out kind of at a high level. So this doesn't really
3 -- it's not at a deep enough level to really conflict or not
4 conflict with our recommendation I think.

5 DR. WAKEFIELD: Just since we're doing a lot of
6 hypothesizing here about what might be behind some of what
7 you found so far, maybe one other possibility, and perhaps
8 it's being driven by a number of things so this would just
9 be one, but your finding that the hospital-based SNFs have
10 higher nurse staffing ratios and the lengths of stay are
11 shorter, maybe part of what's contributing to that is the
12 fact that you've got higher nurse staffing ratios in terms
13 of being able to move some of those patients through a
14 little bit efficiently. If you look at least the inpatient
15 side and the research that's been done in the last couple of
16 years looking at complications linked to different levels of
17 staffing -- that's on the inpatient side and we're talking
18 skilled here, but there is that phenomenon that's been
19 documented to some extent on the inpatient side, and linked
20 to outcomes and quality of care.

21 DR. REISCHAUER: On length of stay, how do they
22 treat patients who die? You obviously don't keep them

1 there, but you might get a very different picture if you
2 dropped them from the analysis because one group, the
3 freestanding has a lot higher fraction of people who are 85-
4 plus and they might exit through a different mechanism,
5 shall we say, than others.

6 DR. NEWHOUSE: What would you make of that?

7 DR. REISCHAUER: Some people are in the SNF for a
8 long period of time and there is no exit in a sense.

9 DR. NEWHOUSE: You mean, these are people that are
10 presumably terminal?

11 DR. REISCHAUER: Yes.

12 MR. HACKBARTH: Okay. Thank you, Suzanne.

13 Next is some further analysis of patterns of care
14 and how they've changed pre-PPS to post-PPS.

15 Welcome, Chris.

16 MS. RAY: Good afternoon. I'm just here to
17 introduce Chris. At the October meeting we discussed our
18 plans to create a post-acute episode database and I just
19 want to briefly review our motivation behind this. The goal
20 of the database is to permit MedPAC to monitor trends in the
21 use of post-acute care services, and our motivation was so
22 that we would be able to assess the impact of the

1 prospective payment systems right now for home health and
2 SNF services, as well as to monitor trends in the use of and
3 payment for post-acute services post-PPS.

4 MedPAC contracted with Chris Hogan, Direct
5 Research, to develop the episode database, which he has done
6 using the 5 percent Part A and B files, and to conduct some
7 of the analyses. We've worked pretty closely with Chris in
8 constructing the variables and defining the episodes, and
9 I'd like to acknowledge the other post-acute folks who
10 participated in this effort, Sally, Sharon, and Suzanne.

11 The analysis that Chris is now going to present to
12 you is our first analysis comparing where beneficiaries have
13 gone pre-PPS in 1996 and post-PPS in 2001. I want to stress
14 that we have big plans for this database and this is just
15 the first in what we think will be many analyses to be
16 completed from the episode database. The results of the
17 analysis will form part of the post-acute care chapter for
18 our June 2003 report so we encourage you to ask questions
19 about the methods and the findings so that we will be able
20 to bring you back any additional information at the April
21 meeting.

22 Chris?

1 DR. HOGAN: Thank you. I'll just move right into
2 my talk.

3 What I'm going to do today as briefly as I can is
4 tell you why we're bothering to do this complex piece of
5 research, talk about methods just a little bit, and then
6 discuss some qualitative measures of the change in post-
7 acute use between 1996 and 2001.

8 The next two slides talk about why we're doing
9 this, why bother to do this. What is it that we're doing?
10 We're putting all of the post-acute providers on one slide.
11 We want all the post-acute providers, regardless of type of
12 post-acute care, in one place so we can look at them all.

13 There's lots of different post-acute providers, as
14 you know. They're all moving to their own separate
15 prospective payment systems, they're all moving to those
16 prospective payment systems on different timetables and
17 there's potential for substitution across the various types
18 of post-acute care. So staff got the idea, let's look at
19 post-acute care as a whole, and that's what we're going to
20 try and do. Ask what changed, and then maybe, if we can,
21 look at some qualitative implications for access to care.

22 This is the timetable. I think I finally got it

1 right. Every time I put this slide in front of staff they
2 tell me what I've gotten wrong on this timetable. This is
3 the timetable for the transition of the post-acute providers
4 to their prospective payment systems. The light gray bars
5 are the transitions, dark gray bars are the prospective
6 payment systems. What we are going to do, and I wish I'd
7 put lines on this chart, we're going to look at 1996 which
8 is pre-everything, and then we're going to look at '01 which
9 is post-some of it but pre-some of the rest of it, as you
10 can see. So the prospective payment system or transitions
11 for long-term care and rehab facilities hadn't really
12 started by the time we get to this 2001 year in the data.

13 So the payment system is changing an awful lot,
14 and what Medicare is paying is changing an awful lot. These
15 dollar figures are just totals out of a 5 percent database
16 so they won't necessarily benchmark to anything you've seen,
17 but this is just to show you from '96 to 2001 SNF spending
18 was up, home health spending was down a lot, spending for
19 the other types of providers was growing quite rapidly. The
20 interesting things you can't see in a one year against
21 another year comparison is that if we picked two different
22 years these bars would look a little bit different. Home

1 health would be down almost no matter what you saw, but if
2 we had picked a different year, for example, for SNF, the
3 SNF bars would either be level or perhaps down a little bit.
4 So this in part reflects the happenstance that we've picked
5 1996 and 2001 as the two years.

6 Now I'm going to tell you how we went about this,
7 what's our unit of analysis. The unit of analysis is an
8 episode of care. Five percent claims database. That's
9 about 2 million beneficiaries. That's enough pretty much to
10 say what's going on. That's enough people to look at. A
11 post-acute episode is a PPS discharge followed by a stream
12 of post-acute bills. The episode terminates in any of
13 several ways. It could terminate with readmission to the
14 hospital, with death, with admission to a hospice, or the
15 claims stream may simply stop. If we don't see any more
16 bills and we don't see you going anyway, we don't see you
17 dying, we assume that you've gone back to your residence,
18 either your home or your nursing home.

19 So we tracked the bills for any gap of 31 days or
20 any other termination. We redid this with a 60-day gap to
21 see if it made any difference and it made very little
22 difference. There's a couple of tables in your report that

1 look almost identical, and the fact that they're almost
2 identical means it doesn't make any difference whether you
3 use a 31-day gap or a 60-day gap.

4 Finally, there's a type of care we want to track
5 that's not really post-hospital care. We use the term in
6 this paper, non-hospital home health care. That means the
7 home health episodes that don't start following
8 hospitalization. That's about the third iteration on that.
9 A more elegant term we have since learned is community
10 referral home health care. We're not talking about who owns
11 the home health agency. We're talking about hospital.
12 We're talking about the start of the episode not starting
13 with a PPS hospital discharge.

14 So I can define the episodes. That's great. Then
15 when you put these records into these episodes what you find
16 is a tremendous mix. So you have to develop some sort of a
17 typology, or John Eisenberg's word was nosology -- a
18 nosology of the episodes to figure out what you're going to
19 look at. So this is what we did.

20 The first five lines are post-acute care in the
21 sense of post-discharge care. You can either go straight to
22 home health and stay in home health. You can go to a SNF

1 and stay in the SNF. There are a bunch of episodes that are
2 SNF and home health. Almost all of those are SNF care
3 followed by home health. You almost never go to home health
4 first and then back to a SNF. Those that were sort of a
5 broken-up pattern and got put into the other category.

6 You could get discharged to a long-term rehab or
7 psychiatric facility, or there's another category of mixed,
8 just the things that didn't hit any other category. For
9 example, part of a SNF stay that wasn't apparently attached
10 to a hospitalization we had to put somewhere. Non-hospital
11 home health care is the home health care that was community
12 referral.

13 Finally at the bottom I decided to track hospice
14 entry after discharge, hospice entries within 31 days of
15 hospital discharge. Hospice has been growing rapidly and I
16 wanted to see whether, for example, the discussion that came
17 up in the last session, whether SNFs in fact were for
18 terminally ill patients and whether the growth of hospice
19 has relieved some of the burden from SNFs for those
20 patients. I had to see whether the changes in mortality
21 rates within SNFs could be attributable to people dying in
22 hospice instead of SNF. We never got that far in this

1 analysis but the intent was to track the people who were
2 moving directly into hospice now who would have gone through
3 a SNF before.

4 This is the change in the total number of
5 episodes. Once again, this is out of a 5 percent database
6 so it doesn't really benchmark to everything but the
7 relatives would be right for the entire population. As
8 everyone already knows -- the dark bars are 1996, the light
9 bars are 2001. This shows the decline overall in the number
10 of episodes and the change in the mix. As everyone already
11 knows, home health episodes fell precipitously, so you can
12 see the first pair of bars, the 2001 level is about half of
13 the 1996 level. That's Non-hospital home health care or
14 committee referral home health.

15 The use of home health as the sole modality for
16 post-acute care also fell quite a bit. SNF care rose. SNF
17 plus home health was essentially unchanged -- fell a little
18 bit -- and the others all rose somewhat, including hospice
19 use. So it's a mix. Everything that involved home health
20 went down. SNF plus home health went down the least among
21 the home health episodes. And everything that didn't
22 involve home health went up.

1 Length of stay fell right across the board. This
2 is an interesting slide -- I don't know if you find it an
3 interesting slide or not, but this is the average length of
4 stay. Once again, the dark bars are '96, the light bars are
5 2001. Length of stay fell the most for community referral
6 home health. Once again, I think that's already been pretty
7 well established. The interesting thing is, length of stay
8 fell for the types of providers who weren't on a prospective
9 payment system yet. So I was not quite sure what to make of
10 that but my first interpretation is there's a secular trend
11 in the length of stay for post-acute care, changes in
12 technology or what have you. I don't have an answer for
13 that but the interesting thing here is, remember back to
14 that slide that had the dark gray and the light gray bars,
15 the long-term care rehab and psychiatric facilities, they
16 weren't on a prospective payment system at this point and
17 yet their lengths of stay fell as well.

18 So that's really the comparison of what happened
19 in the aggregate. The number of episodes fell, particularly
20 the number of home health episodes. More or less everything
21 else went up. Length of stay fell across the board, fell
22 most for home health that was not associated with a

1 hospitalization. I don't think that's the least bit
2 controversial.

3 The next four slides are going to look at patterns
4 of change to try and make some sense of this. The first
5 slide says, you know there were tremendous statewide
6 differences in the use of post-acute care and all this slide
7 is trying to show you is that pretty much as intended with
8 the new prospective payment systems, there was a tremendous
9 leveling of the spending across the states. This chart
10 tends to exaggerate differences because I literally sorted
11 the states by their level in 1996, but I think the values
12 here are about right and the conclusion is about right in
13 that the states that had the highest use came down the most,
14 the states that had the lowest use actually saw a slight
15 increase in spending and perhaps the smallest decline in the
16 number of episodes in total.

17 That's mainly driven by home health spending,
18 because you all knew that home health had the highest
19 regional variation among any Medicare service. But it's
20 also driven by the spending in the other service as well.
21 If we did this table solely for non-home health post-acute
22 care spending you would find a similar looking though less

1 severely skewed table. A lot of words to say, the level of
2 spending across the states was substantially more level in
3 2001 than it was in 1996.

4 Here are DRGs. So now let's move away from just
5 looking at post-acute users to looking at all hospital
6 discharges and ask, what fraction of those discharges had a
7 post-acute episode associated with them? I'll take the DRGs
8 and I'll group them by their use of post-acute care in 1996.
9 So what I'm doing is using my 1996 patterns of care as my
10 norm. I don't know whether it's right, wrong, or
11 indifferent but it's what happened in 1996, and then look at
12 what happens in 2001 for those same DRGs.

13 What you find is the DRGs for which post-acute
14 care was typical -- in other words, 80 percent of cases or
15 more in 1996 got post-acute -- the level of post-acute care
16 actually went up from 1996 to 2001. The farther you go down
17 that spectrum for DRGs for which post-acute care was
18 occasionally or rarely used, the proportionate decline in
19 post-acute use gets larger. So let me see if I can say that
20 again in fewer words. The DRGs for which post-acute care
21 was routine in care 1996, post-acute care remained routine
22 in 2001. In fact it was slightly more prevalent. The DRGs

1 for which post-acute care was not routine and was only
2 occasionally used saw more substantial declines in post-
3 acute care.

4 This is a DRG-based analysis and that's great for
5 post-acute care where you have the discharge event to define
6 the population you want to look at. What do you do for the
7 non-post-hospital home health care? There is no discharge.
8 How do I find the people who would have been the equivalent
9 of people discharged from hospitals? I couldn't think of a
10 great solution so I ran a risk-adjustment model instead, and
11 that's what this next slide is going to show you.

12 Here's what I did. I took beneficiaries'
13 diagnoses in 1996 and their home health use, any use in -- I
14 have a separate set of analyses for the dollars they used --
15 and I predicted their home health use based on their
16 diagnoses. That's not a great concept because you know in
17 theory it should be their functional status. But there are
18 lots of diagnoses that are pretty good indicators of things
19 stuff like functional status, like bedsores, like
20 pneumonias, just generally the indicators of frailty tend to
21 predict home health use.

22 So I predicted whether they would get home health

1 use or not based on 1996 patterns of care. Then I went to
2 2001 and generated a predicted value off of their diagnoses
3 and compared it to what they actually got, and sorted them
4 by the people at the left of this graph who had a high
5 probability of use based on 1996 patterns of care, to the
6 people at the right of the graph who would rarely have
7 gotten care in 1996 based on their diagnoses.

8 What you find is, yes, there's declines across the
9 board, but the declines are proportionally much larger for
10 the beneficiaries who would have had a low probability of
11 use in 1996. I graph that directly on the next slide.

12 What I want to say is, the diagnoses that
13 predicted a high probability of home health use in 1996, the
14 beneficiaries who had those still had a relatively high
15 probability of home health use in 2001. And the
16 beneficiaries who didn't have any clear markers for home
17 health based on 1996 patterns of care had much more
18 substantial declines in the use of non-post-hospital home
19 health care.

20 There I just plot this directly. This is just the
21 ratio of the bars in the previous slide, just to sum that
22 up. So for the beneficiaries who had -- the beneficiaries

1 on the left are the one for whom I would have predicted a
2 high likelihood of home health and they get about half of
3 the level they had before, maybe 55 percent of the level
4 they had before. The beneficiaries as you go farther down
5 the spectrum of beneficiaries for who we would progressively
6 predict a lower probability of use and the decline in use,
7 or their use compared to predicted is lower. Meaning there
8 was a bigger decline in use relative to their predicted
9 value.

10 Let me sum it up. Home health care fell. All
11 other types of post-acute episodes rose over this period.
12 Episode length fell across the board, whether you're in a
13 prospective payment system or not, episode lengths fell. It
14 fell the least for SNF care, fell the most for community
15 referral home health. Declines in spending were greatest
16 for the states that had the highest levels of spending at
17 the start of the period.

18 Post-discharge use of post-acute care declined for
19 the most for the DRGs that had a low probability of use in
20 1996; declined the least -- actually increased for those
21 DRGs for which post-acute care was routine or common in
22 1996. Non-post-hospital home health care fell the most for

1 the individuals who had a low probability of use. The
2 individuals who had a high probability of use based on their
3 diagnoses and 1996 patterns of care showed the
4 proportionately lowest declines in use in non-post-hospital
5 home health care.

6 The final two points are that we now have this
7 lovely database available for use. It's a 5 percent sample.
8 It's very easy to use. It's on a PC. And we want to know
9 what you'd like to see next.

10 MS. RAPHAEL: First of all I want to compliment
11 you because this is a very complex endeavor. I want to
12 compliment the staff and you for really tackling this
13 because I think this is a big step forward for mankind, to
14 be able to look at post-acute across providers.

15 I had a couple of comments. First of all, how did
16 you find out the DRGs for the community-referred non-
17 hospital home health care users?

18 DR. HOGAN: That's a tough one. There are no
19 DRGs, so what I did was I ran a risk adjustment model on all
20 Medicare beneficiaries and said, how likely are you to use
21 home health care in 1996? So I have their diagnoses laid
22 out, 170 different categories of diagnoses. If they had a

1 lot of frailty diagnoses, for example, the likelihood was
2 higher. So the denominator for that analysis is the entire
3 beneficiary population. So there is no DRG-type event.

4 The way I sort those beneficiaries is by their
5 predicted likelihood of using any home health in '96 based
6 on their diagnoses. That's clear as mud, isn't it?

7 DR. NEWHOUSE: You're using the Part B diagnoses,
8 right?

9 DR. HOGAN: Yes, I'm taking all the diagnoses off
10 all the claims. That's right.

11 MS. RAPHAEL: Secondly, I just want to reiterate
12 how astounding it is in terms of the drop in home health
13 care. This kind of 50 percent drop in expenditures that you
14 again document is just astonishing to me, and continues to
15 be astonishing.

16 Another thing I am interested in is one pattern I
17 have seen is that there is greater use of multiple acute
18 care providers. So you have the SNFs and home health care
19 and that has left of a drop, I believe, than home health
20 care in its pure form. But I also believe there's been more
21 of an increase in rehab followed by home health care. I'd
22 just be interested in the patterns of multiple use of acute

1 care providers.

2 My main issue with this is this notion of who
3 you're predicting what you would expect use to be based on
4 prior use. As you say in your paper, the people who tended
5 to get less home health care are those people who had
6 congestive heart failure, COPD, pneumonia, the frail elderly
7 population where their need was, I think your words were,
8 was more ambiguous or harder to define. I don't want to see
9 the word need used in this because I just don't think we
10 have enough here to know who most needs home health care, or
11 what the side effects are of not getting it. Because we see
12 CHF patients who are in the hospital five times in the
13 course of a year and who end up using other parts of the
14 system.

15 But I think what is very important as I began to
16 think about this is that one of the things that might be
17 going on is that where it is harder to predict use and
18 there's more likely to be variability in use, there may be
19 reluctance on the part of providers to admit those patients.
20 So you sort of go with the tried and true, those you know,
21 those where you have, at the outset, a fairly good
22 probability of being able to predict and manage utilization.

1 When you have your post-85 frail elderly, multiple
2 conditions, heart failure, pulmonary disease, very hard to
3 predict use. They are probably the ones who spilled over
4 into long-term supportive care where we saw higher
5 utilization patterns. So you're more skittish about being
6 able to really say what their utilization and resource
7 consumption is going to be, and therefore, you're less
8 likely to admit them.

9 I have no proof of this. This is just my
10 hypothesis as to some of what's going on. Because
11 incentives should be that you would admit people who have
12 lower needs and will have lower use. All the incentives
13 should cause you to do that. But they're not necessarily
14 causing people to do that in every instance, so there I
15 believe there are other things going on here that I just
16 would like to highlight and explore more.

17 When we talked about volume of physician services
18 going up, I think Alan and Nancy-Ann both said, let's not
19 say anything about the appropriateness or inappropriateness
20 of this. I want to apply the same kind of measure to what
21 we're doing here.

22 DR. HOGAN: Absolutely.

1 DR. NEWHOUSE: Chris, this was a terrific piece of
2 work. I have one reaction that I don't know what to do
3 about it analytically but I thought it ought to be mentioned
4 in the text, which is that there's certainly some reason to
5 think that some of the home health in '96 was fraud, so we
6 may be straining to interpret what really wasn't, except
7 that Medicare paid out some dollars.

8 DR. ROWE: Chris, I noticed in your paper that you
9 defined people in the data set in such a way that you
10 excluded people who died, who went to a hospice, and who
11 were readmitted to a hospital: is that right?

12 DR. HOGAN: No, that just terminates their
13 episode.

14 DR. ROWE: Terminates the episode. Okay. Because
15 I think one of the interesting subgroups here are the people
16 who get readmitted to the hospital. When you look at the
17 different things that happen post-acute care, the one thing
18 that's missing from your list of the things, you can have
19 home health, you can have long-term, et cetera, is acute
20 care again. Some proportion of those people were
21 prematurely discharged from the hospital or they were sent
22 to the wrong place when they went out of the hospital. So

1 they went home instead of to a nursing home where they
2 really needed to continue to have intravenous antibiotics or
3 physical therapy or chest PT or something, and so they
4 bounce back into the hospital.

5 There are certain diagnoses in which this might be
6 particularly common, such as certain infections or chronic
7 heart failure, which I think is the number one DRG for
8 recidivistic for readmission to the hospital. People with a
9 wound infection post-op sometimes will bounce back with that
10 kind of infection, or a lung infection. I don't know how
11 informative it would be, but it might provide some sense of
12 quality of care if we were able to look at readmission
13 rates, which is not only an expensive experience for
14 Medicare but obviously very disabling for the patient.

15 MS. RAY: Jack, let me just address that. One of
16 the things -- I don't think we can do that for the June
17 report but one of our plans for the summer and into the fall
18 is to look at what I would call outcomes of care. That
19 would be one of them, to look at rates of -- as well as
20 looking into emergency department use, and also looking at
21 rates of mortality. So that's on our future list of things
22 to do.

1 DR. HOGAN: Let me pile on there. So part of the
2 planning of this was we wanted to track the episodes and the
3 fact it I just didn't get them tabulated in time for this
4 presentation. For an earlier study done for MedPAC, this is
5 a couple years back, the SNF patients who didn't graduate to
6 home health, who stayed in SNF, just about half of those
7 people ended up either dying or being readmitted. So I was
8 trying to get the name of the paper changed from post-acute
9 to inter-acute care because at some point the fraction of
10 patients whose episodes end in a successful discharge to
11 home was less than half for some of these categories. So
12 yes, it's a very important point and would definitely like
13 to bring that into the analysis.

14 MS. BURKE: I suspect there will be a difference
15 between hospital-based and freestanding.

16 MS. RAPHAEL: Just in terms of what you're going
17 to do in outcomes, the same way that the DRGs should not be
18 the sole reference point here in predicting utilization and
19 functional impairment levels are very, very important. When
20 we look at outcomes, in addition to looking at readmission
21 and ER emergent care, I want to be sure we have some
22 measures on the functional side as well.

1 DR. HOGAN: If we could get the MDS, that's the
2 issue. The MDS, I'm the one of the few people who's used
3 that -- lovely data set, wonderful data set. You hear mixed
4 views on that. That would be wonderful. We don't have that
5 in hand yet.

6 MS. RAY: Not yet, but we have plans.

7 DR. WOLTER: I was thinking about readmission
8 rates too and particularly this issue of there's been a
9 change since PPS in a way in the product and more shorter
10 term rehab, get people back on their feet focus, as opposed
11 to maintenance of chronic illness. So for those patients
12 who aren't being admitted now that are in that frail elderly
13 or chronic disease category -- of course, we don't have data
14 -- it's going to be more crude. But we could look at
15 readmission rates. I don't know if you could look at cost
16 per beneficiary of care in congestive heart failure and see
17 how that's changed over the years. Then of course, this
18 fraud issue probably does cloud things also in terms of how
19 you sort all that out. But there may be a subgroup of
20 patients now who are maybe not getting some things they
21 should be, and if we could get at that it would be helpful.

22 DR. HOGAN: So that would be a chronic care

1 analysis then, to take the entire spectrum of care provided
2 of congestive health failure patients, fit post-acute into
3 that and see how that mix has change between '96 and 2001.
4 Yes, we can do that.

5 MS. RAPHAEL: Take a subset; take CHF.

6 MS. RAY: Again, not for June but that's
7 definitely in our long-term plans.

8 DR. STOWERS: I just had a quick question too,
9 Chris. I know in your post-episode we're not including
10 nursing home or going to home, but anecdotally with this
11 change to the PPS there's a lot higher use of the nursing
12 home as part of this post-acute care cycle. I know it's
13 usually state funded or private instead of Medicare, but I
14 think it's playing a much larger role in this picture since
15 the PPS, so it would be interesting to see what change and
16 what different role that stage of care is.

17 DR. HOGAN: I completely agree, and when we get
18 the MDS we can tract that because we'll know. We have a
19 rough cut at identifying the nursing home residents now by
20 looking for physician visits in the nursing home and other
21 services by the nursing home, but we didn't integrate that
22 with this analysis. It's always a guess out of the Medicare

1 claims to figure out whether they're actually in a nursing
2 home or not. But when we get the MDS we'll know for sure.

3 MR. HACKBARTH: Anybody else?

4 Okay, thank you.

5 Shall we proceed? We are well ahead of schedule
6 for a change. This will make up for our last meeting where
7 we were decidedly not ahead of schedule. But I'd just as
8 soon end early.

9 So, Nancy, do you want to introduce the next
10 topic?

11 MS. RAY: Back at the November meeting I presented
12 a workplan to look at the relationship between dialysis
13 provider costs and the quality and outcomes of care
14 furnished by freestanding dialysis facilities. Let me just
15 go back and review of little bit of the study motivation
16 behind why we wanted to perform this analysis.

17 MedPAC in the past has observed a pretty big
18 variation in the cost per treatment for freestanding
19 hemodialysis composite rate services. It ranges anywhere
20 from about \$110 treatment to nearly \$170 per treatment.
21 MedPAC has also observed that for lower-cost facilities they
22 produce more treatments on average with a given bundle of

1 inputs. We've looked at that by looking at total treatments
2 per employee as well as treatments per station.

3 So we became interested in examining the
4 relationship between efficiency -- and when I say efficiency
5 I mean providers who have lower cost are saying that they
6 are more efficient -- and quality of care and outcomes.
7 What makes the dialysis area a little bit unique is that we
8 do have some pretty well agreed upon quality measures and
9 outcomes that we can use to compare quality and outcomes
10 between facilities.

11 As far as quality of dialysis care, two measures
12 that facilities have a directing bearing on is adequacy of
13 dialysis and anemia management. Less direct measures
14 include use of hospitalization services, rates of
15 hospitalization, hospital days, rate of mortality as well as
16 rate of transplantation.

17 I looked at the literature to see what else was
18 out there and who else has done any kind of research like
19 this and what I found is that there are no recent studies
20 that examine the relationship between outcomes and quality
21 of care and provider cost. Much of the literature has been
22 focused on looking at other characteristics of providers,

1 including the providers' profit status and the size of the
2 facility.

3 The results of those studies tend to be mixed. In
4 the chapter which we will be presenting to you at the April
5 meeting we will compare our results to what other folks have
6 found. But one notable study is a study authored by some of
7 the folks at CMS who showed few differences in adequacy of
8 dialysis and hematocrit anemia status based on the
9 facility's profit status.

10 So in order to address the question of looking at
11 the relationship between quality and provider cost, MedPAC
12 contracted with Chris to perform this analysis for us. As
13 you've seen, Chris has lots of relevant experience in taking
14 on this issue including his expertise in using Part A and
15 Part B claims, and looking at other specific groups of
16 beneficiaries, namely post-acute care users as well as folks
17 at the end of life.

18 We are planning on incorporating the results of
19 this analysis in a chapter in the June report, and like I
20 said to you at the last presentation, we encourage you to
21 ask us questions on the methods and results so we can
22 provide those answers back to you in April.

1 DR. HOGAN: So for this presentation there's only
2 one question, so it's a much simpler presentation, at least
3 in theory. The next slide will be, what is the question
4 we're trying to answer? I'll tell you a little bit about
5 methods and move right on to the results. It's going to be
6 a relatively short presentation I think.

7 The question is simple, do you get more if you pay
8 more, or do the facilities get more if they pay more? Do
9 the facilities with highest cost produce what appears to be
10 a higher quality product? Facilities with low cost, are
11 they stinting on care to the extent that you can see lower
12 quality measures? The more general question comes up after
13 you run the data. The more general question is, is there
14 any correlation whatsoever between cost and quality for the
15 freestanding dialysis centers? That's the question we're
16 going to try and answer.

17 The obvious policy context here is adequacy of
18 payment. You'd like to know if you raise payments and if
19 costs are brought up to match payments whether you're buying
20 yourself more quality by raising the amount that you pay
21 these facilities.

22 General issues on methods. It's a very simple

1 question. It's a very difficult question to answer. Lots
2 of data out there. Normally when you have a quality
3 question you wring your hands and say, gosh, if we only had
4 clinical indicators of quality we could answer this
5 question. Well, I don't have that excuse. We have
6 excellent clinical indicators of quality. They're coded on
7 the claims. We have them for all the beneficiaries. It's
8 still a difficult analytical question. Lots of confounding
9 influences. You know there's been a strong upward trend in
10 these quality measures over the last few years despite
11 minimal increases in payments. So clearly what we find in
12 any one year is going to be a different relationship, at
13 least in the aggregate, with what we find in any other year.

14 Most facilities are very small. This is the thing
15 I didn't realize till I actually had to go look at the
16 claims data. The median facility has 70 patients. Where
17 you would think of a hospital as having thousands of
18 discharges, the typical freestanding dialysis facility has
19 70 patients. Differences in case mix matter a lot in terms
20 of determining their cost, which I had not anticipated going
21 into this.

22 We have to rely on cost reports for this. As an

1 economist I'm always a little dubious of accounting; I'm
2 trained to be dubious of accounting data. Tough luck; it's
3 the only cost measure we have. We have no patient-level
4 measure of cost. The only place cost exists are at the
5 facility level. We take them off the facility reports, we
6 calculate an average per treatment and there's way to say,
7 Mr. Jones cost a lot and Mrs. Smith costs very little. We
8 don't have any information to infer that. All we know is
9 the average of all the patients in that facility cost a lot
10 or cost a little.

11 This is trying to mosey toward the conclusion at
12 the bottom of the slide which is, of all the ways we could
13 have done this analysis, to run it at the patient level with
14 better risk adjusters but not very good cost measures, to
15 run it at the facility level where we've got the cost but we
16 have to aggregate the patient characteristics, the initial
17 cut at this is going to be a facility-level regression so
18 we'll have a few thousand observations on facilities and
19 we'll take patients' characteristics and aggregate them to
20 the level of the facility for our risk adjuster.

21 I should mention chain ownership but I'll bring
22 that up at the end.

1 Quality indicators. Just so you know what we're
2 talking about. Urea reduction ratio is just the fraction of
3 the urea in the blood that's taken out during dialysis. The
4 evidence is very good that if you don't take out at least 65
5 percent on the typical session that you get lots of bad
6 outcomes, including higher mortality rates. The research
7 also shows that if you take out more than that, if you do
8 better than 65 percent, you get no particular benefit from
9 doing that. So it's a very good, very hard line that you'd
10 like to see. You'd like to see all patients achieve this at
11 every session.

12 Hematocrit is just the fraction of your blood
13 that's red blood cells. Kidneys produce erythropoietin
14 which stimulates your body to produce red blood cells. When
15 you go into kidney failure, you don't produce it. They have
16 to give you these \$10 shots, \$10 of those shots that the
17 Medicare program pays for, and that's the main treatment is
18 to provide hematocrit and iron.

19 I was told I shouldn't get into medical stuff here
20 with the doctors around.

21 The other three outcomes are -- this is for the
22 lay audience. The other three outcomes are much less

1 directly related to what the facility does. The facility
2 presumably has the dialysis adequacy and hematocrit within
3 their scope of practice, so to speak. Death rates,
4 transplantation rates, and hospitalizations are obviously
5 going to be affected by many, many things other than what
6 the dialysis facility itself does, but they are traditional
7 measures of quality, or at least traditional measures of
8 outcome for the ESRD program so they're included here.

9 I have to mention one thing about transplantation
10 rate which is a fact that amazed me, and amazed me so much I
11 put the slide in your paper. Medicare pays for less than
12 half the kidney transplants in the country. The others are
13 presumably paid for under the Medicare secondary payer
14 provisions. So that when I go looking for transplants in
15 the claims, my transplantation rate is about half of the
16 true transplantation rate because I'm only finding the
17 people that Medicare is paying for. So whereas my death
18 rates benchmark to other sources, my hospitalizations
19 benchmark to other sources, my transplantation rate, because
20 it's based on claims, is only about half the rate that other
21 sources show.

22 DR. ROWE: Why is that surprising?

1 DR. HOGAN: I just didn't realize that Medicare
2 had so successfully shifted costs onto the private sectors.
3 I guess that's what I didn't realize.

4 DR. ROWE: Because I think the private sector pays
5 the first 30 months, and almost everybody who gets
6 transplanted -- you know you're getting kidney failure, you
7 have your family members tested. Ideally you get
8 transplanted before you get on dialysis so you never really
9 go to that step, or shortly thereafter beginning dialysis,
10 so it makes sense.

11 DR. HOGAN: Let's look at the dialysis facilities,
12 let's edit their cost reports a lot, partly to figure out
13 which cost reports completely overlap with a year of claims.
14 People would just have a cost report year that ends in
15 September, I have to get rid of them because they're not
16 going to match my claims data.

17 There are other items that are not particularly
18 useful for calculating average cost but I wanted to look at.
19 For example, they need to report the total number of doses
20 of erythropoietin and their total spending on
21 erythropoietin, and those are items that you don't really
22 have to use to calculate an average cost but I wanted to

1 benchmark to make sure my claims and the cost reports
2 matched.

3 I added the cost reports. I sort them by quartile
4 of cost and here's what they look like. Starting from the
5 right, the right-hand column is economies of scale. The
6 expensive facilities are down at the bottom. The
7 inexpensive facilities are up at the top. Look, the
8 expensive facilities are all smaller than the inexpensive
9 facilities on average. That made sense.

10 Private share, I'm going to skip over because I
11 don't really have a good interpretation for that yet.

12 Rural -- perfect sense. The cheaper facilities in
13 dollar terms are in rural areas where the wages presumably
14 are lower.

15 The chains tend to be cheaper. The for-profits
16 tend to be cheaper. And of course, the first column on the
17 left gives you the spread in the cost across those four
18 quartiles. As Nancy already mentioned, there is quite a
19 spread in the average cost. This is the average cost per
20 hemodialysis treatment.

21 Now I'm going to briefly describe the regression
22 results without putting them on the slide because there's

1 just too many numbers and the regression results were not
2 all that interesting. There are univariate tables in the
3 report that show you there appears to be no one-way
4 correlation between cost and quality from what I could tell.
5 So to do a better job we ran a bunch of regressions. When I
6 saw a bunch, there are lots more than you saw in the report.

7 Those regressions included not only the
8 characteristics of the facility, the local wage rates, but a
9 number of comorbidities for the patients drawn from their
10 medical evidence record, including their weight which
11 apparently is very important for determining dialysis
12 adequacy, and basically as many other things as we could
13 glean from the claims to put in as risk adjusters.

14 Most of the patient characteristics seemed to do
15 about the right thing. So many of the comorbidities that
16 are known to be associated with difficulty of dialysis
17 indeed lowered the adequacy scores for the facilities who
18 had those patients. Smoking was associated with a higher
19 death rate. The sort of things that you'd expect to see in
20 an observational study did show up.

21 What didn't show up is a relationship between cost
22 and quality. So if I look at the composite rate only --

1 that is, only the cost of providing the dialysis and not the
2 additional separately billable drugs -- we didn't find any
3 relationship whatsoever between dialysis adequacy and cost,
4 or anemia management and cost, or costs and death rates, or
5 costs and transplant rates. When we did find a relationship
6 it was a positive relationship between costs and
7 hospitalizations. In other words, the patients who were
8 more costly to dialyze were also the patients who were more
9 likely to be hospitalized. I interpret that as being
10 probably a residual variation in risk that wasn't picked up
11 by the comorbidity factors that I included in the
12 regression.

13 When I throw the cost of drugs into the regression
14 and make that my measure of cost, including effectively the
15 number of doses of these drugs that the patients got,
16 because the cost per dose does not vary hugely, what you
17 find is that the costs remain unrelated to anemia and
18 transplant, but once again you get a positive relationship
19 between higher costs and lower quality for dialysis
20 adequacy, mortality, hospitalizations. I definitely
21 interpret that as showing the patients who were sicker --
22 effectively, putting the drug costs in the regression is

1 like putting the number of physician visits in the
2 regression. I'm measuring the number of doses of drugs that
3 they got, and sure enough, the patients who got heavier
4 doses of drugs probably were sicker.

5 So when all is said and done, having gone through
6 this at some pain, my conclusions are not great. If there
7 is a link from higher cost to higher quality, I couldn't
8 find it in a single stage, ordinary regression. Now that's
9 a starting point. I think Mark was pretty clear in our
10 early discussion saying, you have to start an analysis like
11 this somewhere. It's a very complex task. We started with
12 -- I'm an economist. It's a knee-jerk reaction. I did a
13 regression. I did several regressions. None of them showed
14 me the sort of cost-quality relationship that I would like
15 to see. That is, none of them showed me that if a facility
16 had higher cost for the composite rate it showed higher
17 quality measures as well.

18 Yet I have to admit, maybe there is a link there
19 and I just couldn't find it. So we could try more
20 sophisticated statistical methods, to the extent that you
21 believe more sophisticated statistical methods -- or we can
22 try other things. There are no good, what you call natural

1 experiments here. We would love to see somebody change the
2 payment rate dramatically in one state and leave payment
3 rates in other states and see what they change. We can't do
4 that.

5 I'll tell you the best alternative I could come up
6 with and it's this. You know that dialysis patients have to
7 get dialysis all the time. And if they go on vacation they
8 have to get dialysis while on vacation. And if they're on
9 vacation for at least two weeks, we get a quality
10 measurement out of that dialysis facility. So we actually
11 have a subsample of relatively healthy people, who are
12 healthy enough to go on vacation, of about 10,000
13 beneficiaries for whom we have quality measurements in two
14 different facilities but it's the same person. So we could
15 rerun this. I did a quick cut using a univariate and found
16 nothing. But we could rerun this trying to find some
17 relationship between cost and quality for those patients.

18 Other than that, your options get to be more
19 sophisticated still. We could try and run two-stage models
20 where we try and account for things. But the bottom line
21 is, a simple look at this that we've done so far found
22 nothing in terms of a cost-quality relationship. So the

1 main questions to you are, what else would you like to see
2 and how should we pursue this?

3 DR. ROWE: I think this is very interesting. As I
4 think about quality in dialysis patients I think about it in
5 three ways. One is with respect to anemia, albumen levels,
6 urea reduction rates and the ones that you used, kind of
7 functional measures of the dialysis efficiency, per se.

8 The second is, I think the functional capacity of
9 the patients. Are patients being managed effectively in
10 such a way that they're able to continue to function, either
11 working, or involved in their life, or some measure of their
12 functional capacity, which is, after all, what it's all
13 about. If they're uremic and sitting home with no appetite,
14 vomiting and scratching all day long, they may have an
15 albumen or a hematocrit that's okay but they're not being
16 rehabilitated.

17 And the third I think of in terms of being
18 hospitalized for specific reasons. You had hospitalizations
19 in there, Chris, but it seems to me that -- remembering back
20 when I was a nephrologist, people got hospitalized for
21 several reasons. If they were related to their kidney
22 disease as opposed to they happened to need an appendectomy

1 or something. They would have an infection, particularly an
2 infection that was in their fistula or associated with
3 dialysis. They would have volume overload because they were
4 not being managed correctly with respect to their diet or
5 the dialysis efficiency or something like that. They would
6 have a vascular access problem. The fistula would clot and
7 they needed to have a revision. And fourthly, they would
8 have hypercholelemia, a high potassium level which needed to
9 be treated in the hospital because it was so severe.

10 So I'm making this up but those were the kinds of
11 things that I recall being measures of quality, if you will,
12 of different ways.

13 One of the things you might do, if the data are
14 available, is you might try to parse out these
15 hospitalizations and looked at it from that point of view.
16 You may find some relationships between some of the
17 intermediate variables and these different causes of
18 hospitalization, if in fact we have those available. I
19 don't know if you have any functional status data or not.

20 MS. RAY: Jack, can I clarify something you said?
21 You said the albumen levels, so you're referring to their
22 nutritional status; is that correct?

1 DR. ROWE: Yes. But again, I'm talking about
2 managing the whole patient rather than the efficiency of the
3 dialysis. I'm talking about how the quality of the care of
4 the end-stage renal disease patient is getting, not how is
5 the efficiency of the dialysis treatment, which is a
6 different, more specific thing. Remember, we spoke some
7 months ago about this. It's an end-stage renal disease
8 program, it's not a dialysis program.

9 MS. RAY: Right. I guess my question to you
10 though, is that a specific measure that you would like to
11 add into the mix?

12 DR. ROWE: No, I was just responding to the
13 general question of what's quality for these patients. I
14 know you have experts who I'm sure can give you different
15 perspectives or more modern perspectives on this.

16 DR. HOGAN: I should mention my silent partner in
17 this. Bob Berenson has actually written a lit review for
18 this which you haven't seen yet, and was looking at
19 alternative measures of quality and that's going to be his
20 last assignment then is to parse out some hospitalizations
21 for us so we can have a better list of hospitalizations.

22 MS. RAY: The only other point I want to mention

1 about the vascular access is at least recent data from the
2 U.S. renal data system has shown a shifting of some of the
3 services for vascular access from the inpatient to the
4 outpatient basis, so that would complicate this a little
5 bit. But I think your point is valid.

6 DR. MILLER: Can I ask one thing to follow up on
7 that? It's more a general question as to just broader
8 measures of quality, outcome, quality of life. What are our
9 capabilities of looking at that?

10 DR. HOGAN: Claims based? Claims based we could
11 definitely get the hospitalizations. We had originally
12 thought -- I had taken a cut at it early to look at
13 infections that were dealt with in the hospital outpatient
14 department rather than inpatient. But the only thing -- we
15 were scraping the bottom of the barrel before we got Bob
16 Berenson to look at this to say, claims-based measures based
17 on physician services or emergency room visits or
18 hospitalizations for cause, which we have not done yet.

19 DR. ROWE: I think Mark is referring more to
20 functional status, activity levels.

21 DR. MILLER: Do we have any way to get any of
22 that?

1 MS. RAY: Functional status, quality of life is
2 not regularly collected for dialysis patients. There have
3 been special studies performed for specific samples of
4 patients by the U.S. renal data system, but it is not
5 collected on a regular basis.

6 DR. NEWHOUSE: Maybe that's a recommendation.

7 MS. RAY: MedPAC did recommend that several years
8 ago but we could certainly consider that.

9 MS. BURKE: Two things really. One was just a
10 factual question. Remind me again what the breakout of the
11 50 -- on average we spend about what, \$50,000 a year now on
12 an ESRD patient? How does that break down?

13 MS. RAY: Dialysis care is roughly probably
14 between 20 to 25,000. That includes the separately billable
15 drugs.

16 MS. BURKE: Then the other 25 is just --

17 MS. RAY: Part A hospitalization accounts for
18 roughly about 35 percent of Medicare payments. I will be
19 sure to have a nice pie chart for you for the next time.

20 MS. BURKE: I think that would be an interesting
21 thing to look at because that's always been a very
22 interesting thing in tracking these patients.

1 The other thing is, I recall when I read this,
2 there was a statement made in the key points at the
3 beginning that suggested that providers don't appear to be
4 stinting. That in fact there don't appear to be differences
5 in transplantation rates, in mortality rates, all of those
6 indicators. When I go to the study objectives and research
7 question there's statement made at the beginning of those
8 that in fact there has been controversy about whether or not
9 mortality rates are higher, and whether there are in fact
10 referral differences in terms of transplantation. So I
11 wasn't certain whether this was a question that was asked
12 and we presumed the conclusion, or the -- I wasn't sure how
13 those two linked. Having made the statement at the outset
14 and then having raised the question as a research question,
15 whether we've actually sorted that question out, which I
16 think are critical questions to ask.

17 The other question, and I don't know whether this
18 remains an issue. It was an issue years ago and it may not
19 be any longer, and this is the whole question around reuse
20 and some of the quality issues, and whether that continues
21 to be an issue between freestanding, and whether that
22 continues to pop up in terms of an indicator. You're

1 looking at me like I've lost my mind.

2 DR. ROWE: You've touch the third rail of dialysis
3 politics.

4 MS. BURKE: It was the old third rail. I'd
5 thought we'd moved to a new rail. But it's still an issue?

6 DR. HOGAN: With regard to the research objectives
7 versus that poorly written summary in the literature, most
8 of the controversy in the literature is focused on for-
9 profit status and I have shied away from that, mainly
10 because I can't figure out what the policy implications
11 would be if you found a difference. But that's not where we
12 were focused. We were really focused on cost versus
13 quality, versus the for-profit or chain versus quality if
14 you want to. That was just my poor writing that confused
15 those two there.

16 MS. BURKE: So are we in fact asking the question
17 or have we established the conclusion as to whether there
18 are differences in mortality, differences in transplantation
19 referrals? Do we know for a fact that there are or there
20 are not?

21 DR. HOGAN: As far as we can tell, there are no
22 positive links from higher cost to higher quality that we

1 could find in the data set.

2 MS. BURKE: And we're not looking specifically at
3 the question of the for-profit? Okay.

4 MS. RAY: As far as re-use is concerned, that's a
5 tough issue. It's a very clinical issue and it is something
6 that I have been told by others that the difference, that
7 the trend in the difference over time, that the use of re-
8 use has gotten better, improved.

9 MS. BURKE: Technology has to have --

10 MS. RAY: Exactly. As far as the agreed-upon
11 quality measures that we look at that used by the National
12 Kidney Foundation and CMS, we wanted to be consistent with
13 what those organizations were using which is why we looked
14 at the anemia status and adequacy and hospitalization. I
15 think it's just more clear-cut using those measures than
16 trying to get into the murky waters of re-use.

17 MS. BURKE: Because that was one of the
18 fundamental questions around costs initially between the
19 for-profits and nonprofits, and that was the escalation and
20 the use, re-use, early on. Now that may no longer be --

21 MS. RAY: Right, and in fact that trend --

22 MS. BURKE: That may not differ between the two

1 sites.

2 MS. RAY: I don't know if that differs between the
3 two sites any more, to be honest with you. That's, I guess,
4 one response.

5 The second response is, the use of re-use, I would
6 expect it to be declining now because the biggest national
7 chain is no longer -- I mean, is converting their facilities
8 to non-reuse.

9 DR. ROWE: I think the largest for-profit,
10 Frizentius, is going to single use.

11 MS. RAY: For-profit, yes.

12 DR. ROWE: So that's in the opposite direction of
13 the kind of bias --

14 MS. DePARLE: I just wanted to highlight, I think
15 it's really terrific throughout the day but especially right
16 now I think you've demonstrated the kind of analysis that
17 can be done when we have both some quality indicators and
18 the information, the data that we've more typically had
19 about costs. It may still be difficult to draw conclusions.
20 We can look at some correlations. But I think we're showing
21 some real progress here, so thank you for that.

22 I've wondered, Chris, in your looking at this, you

1 were looking at a different question which was the link
2 between cost and quality, but did you come to any
3 revelations about payment adequacy? And did the issue --
4 one of the issues that the dialysis providers often raise
5 with respect to that question is unallowable costs and that
6 Medicare's payment system for them restricts them, and that
7 they have to cross-subsidize from other places to pay for
8 some of things that Medicare requires them to have like the
9 social workers, and I guess the physicians, the staff
10 physicians that are limited in how much they can pay. I
11 just wondered if you ran into any of that, if you think it
12 in any way influences the work that you did.

13 DR. HOGAN: Did someone mention third rail
14 earlier? I am not really competent to talk about that at
15 the moment. Unfortunately -- I should just leave it at
16 that. I'm not competent to discuss that right now. I
17 looked at those margins and my margins were actually, the
18 extent that I did it, a little bit higher. But I have an
19 edited data set. So I don't disagree with the margin
20 calculation that was done here at all, if that's the basic
21 issue. I took a fresh cut at the same data set and got
22 basically the same answer. That's good.

1 Beyond that, they have a separate sheet on there
2 for the adjustments to cost but I'm not comfortable enough
3 to say that I would know whether I was looking at the
4 disallowed costs or not. So I should just back away from
5 that.

6 I did go to look at the 10-Ks that are filed with
7 the SEC and the aggregate profit rates are fine, but that's
8 a mix of Medicare and non-Medicare and you can't really say
9 much.

10 MS. RAY: Can I address that question? Chris'
11 analysis is based on Medicare allowable costs only. That's
12 MedPAC's method of examining provider cost is based on the
13 Medicare allowable. How I interpret his results is, that in
14 our March report MedPAC concluded that based on Medicare
15 allowable costs that payments seem to adequately cover the
16 cost of efficient providers. I think what this study
17 demonstrates is that efficient providers are able to furnish
18 high quality care. So I think that our finding here
19 supports our conclusion back in March.

20 MS. DePARLE: Have we ever examined -- I think
21 this came up with respect to hospitals. Have we examined
22 the issue of which costs are allowable under Medicare and

1 which ones aren't with respect to dialysis, and whether or
2 not we think that's appropriate from a policy prospective?

3 MS. RAY: Up until this point MedPAC has just
4 focused on Medicare allowable cost. I think that would
5 probably be an issue that the commissioners would want to
6 take on at the retreat.

7 MS. BURKE: But to a certain extent isn't --
8 because it's a composite rate, the calculus is essentially
9 the allowable cost. I mean, they're given a rate. Is your
10 question what's in the calculus?

11 MS. RAY: There are certain costs that providers
12 contend that they should be able to include on their cost
13 reports and they can't. The one is concerning the medical
14 director reasonable compensation equivalence and the fact
15 that right now CMS, the current regs for the medical
16 director's salary is based on the 1997 number for internal
17 medicine not for nephrology. So that is one issue that
18 providers contend that they are not able to claim as much of
19 the cost as they incur as they should.

20 MS. BURKE: But is there a question, to Glenn's
21 point, is there a question of what's in the rate and whether
22 in looking at margins that there are amounts that have been

1 calculated for the composite rate that are inappropriate?

2 DR. REISCHAUER: In theory, quality should be
3 related to total costs, not to allowable costs. Presumably
4 there's a very high correlation between the two.

5 DR. HOGAN: That's what I don't know empirically.
6 I've heard this issue come up before and I'm not even sure I
7 can divine that from the forms on the cost report, but we
8 can at least look into it. There are certain things that
9 must be subtracted and there's a separate sheet for that,
10 but I don't know if that's all of it or not. So I need to
11 talk to some experts on the cost report. We probably can't
12 get the data to answer that question.

13 DR. MILLER: But the one thing to bear in mind
14 here is that we're looking at variation of cost and quality
15 and whether they're related to each other, and through many
16 different takes on it he wasn't able to find a relationship.
17 We're talking about covariation in cost and you're talking
18 about, if it's this much cost or incremental amount above
19 that for an allowable cost.

20 MR. HACKBARTH: So if the non-allowable costs were
21 a constant added to everybody it wouldn't affect this
22 analysis.

1 DR. NEWHOUSE: Or even if they weren't. Of the
2 total variation in cost is hugely dominated by the allowable
3 cost.

4 MS. DePARLE: But I broadened the question,
5 because I agree the question that Chris was answering was
6 about the link between cost and quality. I asked him about
7 a broader view of payment adequacy and whether the issue of
8 the non-allowable costs had come up in this. But I think
9 you're right about your analysis.

10 DR. NELSON: I want to address the questions at
11 the end. From the discussion it's not clear to me that this
12 is the kind of research that we do very well. It involves a
13 number of clinical variables. We haven't been able to find
14 a cost-quality relationship with the cut that Chris has
15 taken. So I wonder if this is something that someone else
16 is better suited to do the research on than MedPAC.

17 I don't feel passionately about it, but it seems
18 to me we've got quite a bit on our plate. As near as I can
19 tell, this wasn't requested of us. And unless it's part of
20 a continuum that is important to us, and it may well be,
21 just teasing out the clinical variables that may answer this
22 question about whether there's a relationship between cost

1 and quality when we have mainly access to claims data, and
2 what Bob Berenson is going to go after, I'm sure that it's
3 what we want to be doing.

4 MR. HACKBARTH: Any reactions to Alan? Nancy?

5 MS. RAY: Yes. What Chris and I have done is an
6 extension of what other researchers have tried to do. The
7 other researchers, instead of dealing head-on and looking at
8 provider cost, they have used proxies for provider cost;
9 namely, nonprofit versus for-profit status as well as the
10 size of the facility. Some of those studies have shown,
11 like ours, no relationship. That is, for example, the study
12 from the folks at CMS showed no relationship between
13 facilities' profit status and quality of dialysis; namely,
14 anemia status and adequacy of dialysis.

15 Other researchers have looked at, again, the for-
16 profits versus nonprofit status, looking at that versus
17 mortality, access to the kidney transplantation list, and
18 rates of transplantation. That's where the results tend to
19 be a little bit more mixed. Some researchers have found no
20 relationship, some researchers have found some relationship.
21 That's where there is a difference of opinion.

22 So I think what MedPAC has done is used the

1 quality and outcome measures that others have used and have
2 looked at the question where there's a policy issue
3 involved, looking at the relationship between providers'
4 cost and quality outcome, because there is a policy response
5 to that versus the lack of response to just looking at the
6 facilities' profit status.

7 So the fact that Chris has not found any results
8 is consistent -- and I want to reiterate this -- is
9 consistent with what some other researchers have found using
10 recent data also.

11 DR. NELSON: If I can respond. That's fine,
12 Nancy, and I don't argue with that, if we can indeed find a
13 confident answer. If we can provide clarification to an
14 otherwise fuzzy issue then I'm happy. But if we don't have
15 access to the kind of data that it takes to formulate a
16 confident answer, I'd hate to add to the confusion.

17 DR. REISCHAUER: I'd like to disagree with you
18 Alan, in the sense that I think this finding is important
19 and is interesting. Is it definitive? Is it locked up in a
20 box for all time? No. Maybe there will be some better data
21 and some better methodology, but my reading of the
22 literature would say that this is as sophisticated an

1 analysis as is out there, probably more sophisticated, and
2 that this is a question that is important for us to look at
3 over time with respect to other types of providers. We have
4 hospitals that are very expensive relative to other
5 hospitals. Do they provide higher quality care? To the
6 extent that they do, should that be reflected in payment
7 policies of Medicare? We're at the beginning of this
8 discussion and analysis, but I see these as building blocks
9 that will lead to a more coherent payment policy in the long
10 run.

11 DR. NELSON: I'll finish with this. I'm
12 persuaded. I don't have any problem with it. It refers
13 back to my earlier comment about it, if this is part of a
14 continuum, if it represents an approach that we're going to
15 take with our tasks in general then that's perfectly fine
16 with me. I just hope that we are able to enlighten this
17 issue.

18 MR. HACKBARTH: I for one would hope that we can
19 more consistently look at quality when in fact there are
20 measures readily available as in this case. I do think we
21 need to be very careful not to overstate what we can say
22 from the available evidence. But for us to not look when

1 possible at quality issues I think would be a tragic mistake
2 for us. It's certainly an issue that comes up in all of the
3 policy debates before Congress that this payment policy,
4 whatever it might be, is harming quality of care. So if we
5 can bring some data to bear on that question I think we need
6 to seize the opportunity.

7 DR. WOLTER: I think a specific theme within the
8 quality discussion would be this issue of the acuity of the
9 patients. I think you said, Chris, that in what you looked
10 at in terms of comorbid condition you didn't really see
11 differences. But the hospitalization rates are a hint of
12 something, and it would be nice, if we can't show a link
13 between cost and quality to at least feel like there is some
14 reason for the additional cost. If that reason is the
15 patients are sicker or harder to take care of, or they're
16 hospitalized more, as opposed to financial incentives or
17 practice pattern variations, that would be worth uncovering
18 if we could.

19 DR. HOGAN: I misspoke. The only part of the
20 regression that did work were the patient characteristics.
21 So we found a facility that attracted a lot of heavy
22 patients had a low quality score. Facilities that attracted

1 patients with congestive heart failure had a low quality --
2 all of the comorbidities we measured worked very well.
3 People who smoked died young, all those things.

4 The only part that didn't work was the cost part.

5 DR. WOLTER: But I think that's what you said, the
6 comorbidities didn't correlate with the cost. Did you say
7 that?

8 DR. HOGAN: The comorbidities correlated with the
9 outcomes. But once you've accounted for the comorbidities,
10 the cost and the outcomes were uncorrelated. Does that make
11 sense?

12 DR. WOLTER: My specific question was, did you
13 find anything in the risk assessment of the patients that
14 would account for the cost differences?

15 MS. RAY: We didn't do that.

16 MR. HACKBARTH: Any other comments on this?

17 Okay, thank you. Good job, Chris.

18 DR. ROWE: Beyond this project, are we going to at
19 some point have a chance to look more broadly at the
20 experience of these patients beyond the dialysis quality-
21 cost issue?

22 DR. MILLER: I think you're going to see work on

1 that -- I assume what you're talking about is some of the
2 things that you've mentioned in previous meetings. I thin
3 you're going to see work on that maybe as soon as the next
4 meeting, and certainly this is going to be something that
5 we're going to be taking up for an agenda in the summer.
6 Are we going to see it as early as the next meeting? Yes,
7 we're actually going to see some of it as early as the next
8 meeting.

9 MR. HACKBARTH: Okay. That completes our agenda
10 for today. We'll have a brief public comment period.

11 Very brief. Thank you very much. We reconvene at
12 9:00 a.m.

13 [Whereupon, at 3:53 p.m., the meeting was
14 adjourned, to reconvene at 9:00 a.m., Friday, March 21,
15 2003.]

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MEDICARE PAYMENT ADVISORY COMMISSION

PUBLIC MEETING

Ronald Reagan Building
International Trade Center
Horizon Ballroom
1300 13th Street, NW
Washington, D.C.

Friday, March 21, 2003
9:03 a.m.

COMMISSIONERS PRESENT:

GLENN M. HACKBARTH, Chair
ROBERT D. REISCHAUER, Ph.D., Vice Chair
SHEILA P. BURKE
AUTRY O.V. "PETE" DeBUSK
NANCY-ANN DePARLE
DAVID DURENBERGER
RALPH W. MULLER
ALAN R. NELSON, M.D.
JOSEPH P. NEWHOUSE, Ph.D.
ALICE ROSENBLATT
JOHN W. ROWE, M.D.
DAVID A. SMITH
RAY A. 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 on our agenda this morning
3 is using incentives to improve quality of care. Karen?

4 MS. MILGATE: Good morning.

5 This discussion is the third discussion we've had
6 on this, although the first two were more in the form of
7 introduction to the topic. And we will have one final
8 conversation next month, in April. This is in preparation
9 for a chapter that will be in our June report on using
10 incentives to improve quality in Medicare.

11 In April, we anticipate bringing back some further
12 analysis of how incentives might work in specific settings
13 or types of care. So a little bit more drilling down.

14 Today, though, what we'd to cover in our
15 presentation and then are really looking forward to the
16 conversation afterwards, is just summing up what Medicare is
17 currently doing with incentives to improve quality findings
18 from a set of interviews we have done with a broad spectrum
19 of private sector purchasers and plans. And then finally,
20 having some discussion of how what we learned from the
21 private sector might be able to be applied in the Medicare
22 program.

1 Quickly, as we've talked about this in previous
2 discussions, why are we talking about this? Why are
3 incentives important? And why are so many different folks
4 in the press and in journals talking about incentives for
5 quality?

6 Current health system payment and other mechanisms
7 are currently neutral or negative towards quality. This
8 comes in several different forms.

9 In Medicare, the payment essentially does not
10 differentiate between a high quality or a low quality
11 product. Basically, all products are paid the same in terms
12 of the DRG payments and other payments for providers. And
13 sometimes, even there's higher payment for lower quality,
14 such as the case in if there are complications due to errors
15 in procedures that someone might -- a hospital might
16 actually get a higher DRG if there's a lower quality
17 product.

18 In addition to the payment mechanisms, you also
19 don't have the same kind of markets working, in terms of
20 consumers having information where they can really drive the
21 market to higher quality product. Either good information
22 doesn't exist for consumers, or there's also a tendency, at

1 least for the information that's out currently, for
2 consumers not to use the information that's out there, or to
3 think it's particularly useful for their purposes. So
4 private and public purchasers are looking to other
5 incentives to improve quality.

6 Medicare program currently does use a fair amount
7 of incentives. CMS has been fairly aggressive in their
8 efforts in this area. They use flexible oversight, and one
9 example of that is in the M+C program. They allow M+C plans
10 that reach a certain level of mammography screening not to
11 have to perform one of the national quality projects which
12 are required through the M+C regulations.

13 One of the other efforts that they're undertaking
14 is public disclosure of information on specific settings of
15 care. They've done this now for the Medicare+Choice plans,
16 dialysis. The most recent setting was nursing homes. They
17 also now have pilots in the home health area and have a
18 voluntary program, at least, in the hospital area and hoping
19 to expand that later on.

20 In addition to that, they are also looking to
21 demonstrate different types of payment mechanisms. There's
22 two, in particular, that we felt when we talked to CMS,

1 really fell into the area of incentives. And that was a
2 shared savings demo. They don't call it that. They call it
3 the Physician Group Practice demo.

4 Essentially, what it does is it's an attempt to
5 calculate expected expenditures for certain types of
6 beneficiaries with chronic conditions. First is actual, and
7 then if there are savings to distribute those savings at
8 least in part to the physician group practices. So, for
9 example, if there's lower hospitalizations, to be able to
10 capture some of those savings and give it back to the docs
11 who put the guidelines and protocols in place that both
12 improve quality and save dollars.

13 The other one we wanted to highlight was a disease
14 management demo. In contrast to how disease management is
15 current paid, which is usually on a fee-for-service basis,
16 it would be a capitated payment to the disease management
17 organization. And it could be a variety of different
18 organizations. So this isn't the business of disease
19 management. It could be a provider, it could be a variety
20 of folks. With the concept being that paying on the basis
21 of capitation would give incentives to the organization to
22 better manage care across settings.

1 Other initiatives that CMS is undertaking also
2 feed into incentives. They help build the infrastructure
3 that we found that so necessary in the private sector to
4 actually be able to put in place financial incentives. One
5 way they do this is through the QIO program, where they
6 provide feedback to hospitals and feedback to physicians on
7 their performance and try to get them to improve themselves.
8 And they have found some improvement through that
9 mechanisms. And, as I said, it also helped build the
10 infrastructure for the possibility of expanding their use of
11 incentives by helping to identify measures sets and creating
12 standardized data collection systems.

13 In an attempt to learn more about what's going on
14 in the private sector, as I said before, we conducted quite
15 a wide variety of interviews with purchasers and plans,
16 providers, and quality experts on how incentives are used in
17 the private sector.

18 I want to turn now to Sharon and she's going to go
19 through some of the findings from our interviews.

20 MS. CHENG:

21 On your next slide you see what we found to be the
22 most prevalent types of incentives that were currently being

1 used, were being implemented, and actually producing some
2 results among the folks that we spoke with in the private
3 sector.

4 The most prevalent incentive that we found was
5 public disclosure. In fact, almost every one of our
6 interviewees used some kind of disclosure, maybe a magazine
7 of hospital ratings or report on plan quality or a website
8 with facility-specific information. That was either their
9 incentive or sometimes it was the first phase in
10 implementing another type of incentive.

11 Another common type of incentive was payment
12 differential for providers. We saw a couple of different
13 models for this. We saw bonus payments or a percentage of
14 payment that went to a hospital or a group of physicians for
15 meeting quality goals.

16 We spoke with only one purchaser who currently
17 used cost differentials. We found that was a somewhat less
18 prevalent type of incentive than the first two, though
19 several others indicated that they planned to implement that
20 kind of incentive soon.

21 Those who did not choose this type of incentive
22 did tell us that they often felt it wasn't feasible, either

1 because of a strong provider reaction that they had
2 experienced or some enrollee resistance that they
3 anticipated due to maybe the limitations of the measures or
4 potential concerns about the impact on their enrollees.

5 Now I'd like to go through three examples of the
6 types of incentives that we saw implemented and working out
7 in the private sector. The first one is public disclosure.
8 Our example for this one was PacifiCare. In California they
9 release a quality index for each group of physicians to
10 their enrollees.

11 One of the things we learned when we spoke with
12 PacifiCare was that the progression was important. They
13 began the implementation of this incentive by working with
14 the physician groups, by discussing the scores and the
15 quality measures with them. That allowed them to establish
16 the credibility of the measures. They reached for measures
17 that had already generally been used or developed, and
18 allowed them to build acceptance of those measures.

19 It also allowed them to develop the data
20 collection process. Here again, they tried to rely on
21 existing sources of data. By working with the providers
22 first, they provided feedback to those physician groups,

1 which built their expectations for the scores, how the
2 incentive was going to work. And also, they heard from the
3 physicians that the feedback itself was seen as valuable by
4 benchmarking and providing them with quality information.
5 That was a value to the physicians in and of itself.

6 After they worked with the physician groups, they
7 then made those scores available to their enrollees. They
8 did this right before the open enrollment session, so it had
9 the maximum impact. They provided information on clinical
10 and patient satisfaction scores. Satisfaction would be
11 generally for the group of physicians, but also the patients
12 could rate their primary care physician. Were his or her
13 instructions easily understood? Did they feel that that
14 primary care physician listened carefully? Then they would
15 give the group of physicians a start if they were in the top
16 10 percentile for their score on that measurement.

17 After making that information available to their
18 enrollees, they saw some results pretty quickly. By making
19 that available right before open enrollment, within three
20 months they found 30,000 new and returning enrollees had
21 moved to higher quality groups of physicians. As a result,
22 \$18 million moved with those enrollees. They were in a

1 capitated plan. And that moved to the higher quality
2 providers.

3 Over the course of using this incentive, they've
4 also found that scores have improved on 18 out of the 26
5 measures that they've used over the years.

6 For our second example, of payment differentials.
7 One of the things that we heard when we spoke to private
8 purchasers and plans as they were implementing a payment
9 differential was, interestingly, setting aside the pool of
10 money was straightforward. The hard part was determining
11 who got those dollars and how they were going to be
12 distributed.

13 For our example we talked with Blue Cross-Blue
14 Shield of Michigan. They put about \$40 million on the table
15 to improve hospital quality.

16 Their program, again, had a progression. It began
17 with a system of scoring the hospitals for reducing
18 inpatient admissions for services that could be performed on
19 an outpatient basis. After a few years of using this score,
20 they found that most of the hospitals in their system were
21 already meeting it. And they thought that it was time to
22 introduce some new measures and some quality information

1 into the scores that would be attached to this incentive.

2 They eventually have a mix so that it was 45
3 percent of new quality measures. Hospitals had to meet
4 quality of care standards for such things as heart attack,
5 pneumonia, complying with safe medication practices, or
6 implementing a program of community health, of reaching out
7 into the committee that that hospitals was operating in.

8 It's also interesting to hear that their scores
9 and the information that they're using, they're also
10 continuing to develop. They intend, in the future, to add a
11 score for preventing surgical infections. And they're going
12 to increase the mix of the score between the original
13 measures and the new quality measures.

14 The distribution of those incentive dollars in
15 this program remains a sensitive issue and it also has been
16 changing as they've been using this incentive. In some
17 years, hospitals attaining high scores were eligible for up
18 to a 4 percent additional percentage payment on their Blue
19 Cross-Blue Shield patients. In other years, this
20 distribution method has differed and they'll continue to
21 tinker with this as they work on the implementation of this
22 incentive.

1 They, too, were able to share some results on
2 this. All the measures of quality that they use in this
3 incentive have improved. And the number of hospitals with
4 the highest overall score has doubled between 2000 and 2002.

5 As our third example, we spoke with an employer
6 that was using cost differentials. Here again, as we spoke
7 with different people, we found a couple of different
8 variations on a theme. Enrollee cost-sharing incentives
9 that have been implemented or are planning to be implemented
10 sometimes operate at a plan level, so there would be
11 different cost sharing on the premium for the enrollees, and
12 sometimes at the provider level. So there would be
13 different copays as an enrollee went to different providers.

14 The employer that we spoke with was General Motors
15 and they've decided to allow their enrollees to choose
16 health plans based on quality and cost. Their target was to
17 improve the plans by motivating the enrollees to choose
18 higher quality, low cost plans.

19 So their scores are a blend. 50 percent of the
20 score is based on cost effectiveness, and 50 percent of the
21 score are based on quality measures. Hereto, they used
22 measures, they reached for measures that already existed;

1 performance on HEDIS, accreditation status, and patient
2 satisfaction. To motivate the enrollees to make a change,
3 they offered lower premiums for the higher scoring benchmark
4 plans.

5 There's a pretty wide range of premiums. You've
6 got a premium range their on the screen, varying from \$35
7 for a high-quality benchmark plan to \$173 for a lower
8 scoring plan.

9 As a result, a substantial number than enrollees
10 did migrate to the higher quality plans and together GM and
11 its enrollees in the health plan saved \$5 million in one
12 year.

13 This next slide are sort of some general
14 observations that we've gathered from speaking to a variety
15 of plans and purchasers using several different types of
16 incentives. The first thing that we were encouraged to find
17 is that in the private sector, the use of incentives is
18 already somewhat widespread and, in fact, a Health Affairs
19 article called it an explosion of report cards, which are
20 usually attached to public disclosure incentives.

21 We found encouraging early results that these
22 incentives appeared to work. Some plans and purchasers

1 already had some results to share in improved quality and,
2 in some cases, some savings.

3 Many of the incentive programs that are out there
4 are still new, so hopefully they'll yield some more results
5 soon. However, when we spoke with plans and purchasers in
6 the private sector, many of them noted that their relatively
7 small market share limited their ability to impel providers
8 in their community to change.

9 We also heard that incentives for quality were
10 used as a negotiating tool. As providers and plans sought
11 the annual rate increases, the payers weren't willing to
12 increase payments without some kind of accountability on the
13 part of the providers. That's when quality incentives were
14 put on the table.

15 We also heard frequently that there was a
16 progression and that that was pretty important to having an
17 effective incentive program. Involving the providers in the
18 development of the measures and the scores was important,
19 and giving feedback to those providers even before, perhaps,
20 those scores were publicly disclosed, was useful and was
21 valued by the providers themselves.

22 Frequently we heard that the toughest issue was

1 finding the right measures and collecting and analyzing the
2 data.

3 From our discussion some criteria emerged. What
4 we've also done is we've given you a page summarizing the
5 criteria that we've developed and we handed that out just
6 this morning.

7 The goals must be credible, broadly understood,
8 and accepted. To be credible, we heard that they had to be
9 evidence-based to the extent possible. They should be valid
10 and reliable. They should reflect a broad spectrum of the
11 services that beneficiaries receive from the provider being
12 scored. And to be broadly understood and accepted, we've
13 heard that the providers being compared needed to be
14 familiar with and supportive of the measures sometimes
15 before they were even disclosed.

16 Benchmarks should not be so high that only a few
17 attempt to improve. Many or most providers should be able
18 to improve upon the measures, otherwise we felt that care
19 may be improved for only a few beneficiaries.

20 Interestingly, everyone we spoke with based their
21 rewards on attaining a goal, rather than another option,
22 which would be rewarding improvement toward a goal. Another

1 interesting variant that we heard on this one was a program
2 that had to maintain the gain adjustment. So that if a
3 provider improved on some scores but slipped on others, they
4 weren't eligible for the incentive in that round.

5 Incentives should not discourage providers from
6 taking riskier or more complex patients. And to the extent
7 that seeing healthier patients would lead to higher scores
8 on the measured used, a mechanism should be included to
9 mitigate those effects. We heard that using either
10 appropriate case-mix adjustments or avoiding measures that
11 needed to be risk adjusted were strategies that some in the
12 private sector had used to avoid this problem.

13 And finally, we heard consistently that obtaining
14 information must not pose an excessive burden on any of the
15 parties involved. To the extent possible, measures should
16 be based on data that is collected as a routine part of care
17 delivery or for multiple purposes.

18 And now for this presentation, we're going to go
19 back to Karen and she's going to explore how we would apply
20 these incentives in Medicare.

21 MS. MILGATE: Because Medicare is already using a
22 variety of non-financial incentives and also working to

1 build the infrastructure that would be necessary to go
2 beyond non-financial incentives, and because the most
3 prevalent ones we found in the private sector were
4 differentials either to providers or cost-sharing
5 differentials for beneficiaries, we wanted to spend a little
6 time exploring how those two might work in the Medicare
7 program, both looking at unintended consequences as well as
8 some more practical implementation issues.

9 Before we get to the specifics of that, though,
10 there are also some broad issues with Medicare taking on the
11 mantel of putting in place financial incentives. First of
12 all, and probably the most easy to identify issue is its
13 size. Medicare has the advantage of being a large purchaser
14 so therefore it can really get the attention of providers.
15 And also, it's easier for Medicare to get valid data because
16 there are just so many more patients that would be Medicare
17 patients. It's an easier way to get -- it's easier to get
18 valid data.

19 There is a disadvantage of this size, though, as
20 well. One of the primary ones is up here on the slide.
21 That is when you have a purchaser that's that large focusing
22 on a certain set of measures, you're going to focus efforts

1 on those measures. Which means you're not going to focus
2 efforts, possibly, on other measures which might be
3 important for some individual providers or for regions or
4 for types of patients that somehow aren't included in your
5 measures that, of course, have to be as good and valid as
6 they can be. You might miss some important problems.

7 In addition, when you have such a large entity who
8 is a purchaser but also considered a regulator in charge of
9 defining measure sets, it could possibly slow the evolution
10 of measures. It takes a long time for standards to change
11 in the Medicare program and one can also think of how it
12 might impact providers if for one year there are a certain
13 set of measures and there may be a need to move on because
14 some providers have met those goals, but others are way
15 behind. How do you determine how fast to move ahead with
16 the evolution of measures?

17 Specific to provider payment differentials, as
18 Sharon noted, while setting aside the dollars to pay
19 providers differentially was -- as you can anticipate, might
20 have been somewhat difficult negotiation. In fact, the
21 mechanism was fairly straightforward. However, the issue
22 came about in terms of how to distribute the dollars, and

1 then whether the measures were good enough to, in fact, pay
2 dollars differently upon that basis.

3 So if the measures aren't good enough, provider
4 differentials could disadvantage those with less resource or
5 those who take riskier patients. For example, if you use
6 outcomes measures such as mortality or complications and
7 those are not appropriately case-mix adjusted, you could end
8 up with providers trying to avoid those who are more complex
9 or riskier patients.

10 On the other hand, if you used structural measures
11 or some process measures that require resources in order to
12 meet the quality goals, on the other hand you might then
13 disadvantage those with less resources. For example, if you
14 required hospitals to put into place computerized physician
15 order entry -- some could clearly do it more easily than
16 others.

17 Beneficiary cost differentials could create access
18 problems and equity concerns. If the differentials actually
19 worked and a large group of beneficiaries moved to the
20 higher quality providers, it could place stress on the
21 capacity of those high quality providers, and on the other
22 hand threaten the viability of others who are lower quality

1 providers, or lower quality at least on your scores that
2 you've developed.

3 And in addition to that, Medicare really has a
4 responsibility to ensure the availability of affordable
5 providers. So for example, if in a particular area copays
6 for a certain hospital, that might be the only hospital
7 that's available to some folks, went up because they were
8 designated as a lower quality hospital, that could
9 disadvantage some beneficiaries.

10 There are also some implementation issues. It is
11 very administratively complex to identify measure sets for
12 all these various settings of care. It's also a challenge
13 to collect and analyze the data and design mechanisms for
14 distributing either the lower cost sharing or the higher
15 payment differentials.

16 Both these differentials would require new
17 authority, new legislative authority to implement them. The
18 provider differentials really, there's probably more
19 precedent for those type of differential, as you all very
20 well aware. for hospitals there is an adjustment for
21 graduate medical education and for hospitals that take high
22 levels of uncompensated care. For physicians there's an

1 extra payment available for physicians who practice in high
2 manpower shortage areas. So there's some precedent for
3 adjusting payment on the basis of some policy goal. And in
4 this case, it could be the goal of providing a high quality
5 product to the Medicare beneficiary.

6 On the other hand, there is currently no authority
7 to waive beneficiary deductibles and copays. In addition,
8 as you all know, a program has grown up around the Medicare,
9 which is the Medicare supplemental program, which might
10 limit the effectiveness of actually varying copays to the
11 individual provider.

12 One thing I wanted to note that we heard somewhat
13 from the private sector is how beneficiaries might perceive
14 cost-sharing differences. For example, if it was applied to
15 a physician copay and a beneficiary decided to stay with the
16 physician, if these scores were calculated annually, in
17 fact, their copays might go up and down, which might be
18 rather confusing to the beneficiary, why is this occurring?

19 On the other hand, if they moved to higher quality
20 provider, they might have a higher quality provider one
21 year, but maybe the provider doesn't maintain or stay up
22 there. So then their copay goes up when they go over there,

1 or they shift back to the physician.

2 Anyway, it just creates some potential confusion,
3 particular at the individual provider level. We did hear
4 that that was one reason why some plans didn't put those in
5 place at the specific physician level, for example.

6 So what do we know? We know that Medicare is
7 already using incentives and building the infrastructure to
8 use them further. We've also identified that two most
9 prevalent once in the private sector and discussed a little
10 bit about how they used them and their implications for the
11 Medicare program.

12 Our analysis has led us, at staff, to believe that
13 in fact the costs of the possible unintended consequences
14 and difficult implementation issues for beneficiary cost
15 differentials, given that there are alternatives and a lot
16 of work underway even before you would get to that to use
17 incentives to improve quality, that we would suggest that
18 the Commission focus its benefits, at least in this
19 discussion, on financial differentials for providers. You
20 all may want to discuss that further, but it seemed to us
21 that the costs kind of outweighed the benefits in this case
22 for that particular type of incentive for Medicare.

1 So the discussion that we've put in front of you
2 here is whether Medicare should demonstrate financial
3 differentials for providers.? And if so, how Medicare
4 should use that demonstration authority? And if the
5 Commission wanted to recommend that CMS use the criteria
6 that emerged from what we saw in the private sector to help
7 focus their demonstration authorities, we've suggested a
8 recommendation that might do that.

9 In addition, we'd like to come back to you in
10 April with several setting-specific or condition-specific
11 suggestions where incentives might be most effective.

12 So the recommendations would be, first, that the
13 Secretary should conduct demonstrations on provider payment
14 differentials to improve the quality of care. And then, as
15 I said, if the Commission wanted to be helpful in focusing
16 CMS in its effort, to suggest that CMS use the criteria
17 which emerged from the private sector analysis to determine
18 which settings of care and types of incentives may be most
19 appropriate for Medicare.

20 So this concludes the formal presentation. We'd
21 appreciate your comments, both on the recommendations but
22 also you have a draft chapter in front of you. So we'd like

1 to also hear comments on whether it's the right focus, if we
2 missed anything important.

3 MR. HACKBARTH: I'd, in particular, like some
4 discussion of the issue of provider incentives versus the
5 beneficiary. My own view, and I talked to some of the staff
6 about this, was that given the prevalence of supplemental
7 coverage in Medicare, it's very difficult to translate an
8 incentive down to the beneficiary level. And so if we're
9 trying to provide some of assistance on where to focus
10 efforts, it does seemed to me that that was naturally a
11 lower priority. But if others disagree, I'd like to hear
12 opinions on that.

13 Why don't we just go around the table this way.
14 Ralph?

15 MR. MULLER: I'm pleased to see this chapter
16 because I think it's very well a compilation of the thinking
17 in this area.

18 I agree with Glenn that the incentives should look
19 at the provider side first. And I also would urge us that
20 we look at incentives that are fairly powerful. When you
21 think about the traditional incentives for quality, they are
22 right now, whether it's a doctor, a hospital, a nursing

1 home, or a home health agency or whatever, to be perceived
2 as a quality provider in a setting where there is choice,
3 and therefore get activity. It does work at times, that
4 people do come to those places that are seen as better.

5 Obviously, in settings where there is only one of
6 it, it becomes more difficult to have that kind of choice.
7 And there's still an awful lot of evidence that people tend
8 to choose their providers based on location rather than any
9 other measure of quality.

10 But the obvious incentive, when one gets more
11 patients, whether one is a doctor, a hospital, a nursing
12 home, is a very powerful incentive and the traditional way
13 that has worked over the years.

14 So as we think about this going forward, one of
15 the criteria I would add to the list is that these be
16 reasonably powerful because, as you point out very well in
17 your chapter, there are a lot of counter measures that allow
18 quality not to be rewarded. So you have to have incentive
19 towards quality that at least the margin outweigh those for
20 lesser quality or lack of quality or not paying attention to
21 quality or just having activity.

22 I think the experience I've seen in some of these

1 efforts over the years is by and large if you have a kind of
2 1 or 2 percent incentive towards quality, and not
3 necessarily 98 percent in the other direction, but let's say
4 a powerful incentive to not focus as much on it, it just
5 doesn't have as much of an effect on the margin.

6 Therefore, in the work that you're doing in terms
7 of writing up some of the -- whether it's the PacifiCare one
8 or the Blue Cross ones, I think it would be helpful in our
9 analysis to get some sense of financial impact. So for
10 example, you noted I think that 30,000 enrollees switched
11 coverage. What is that on a percentage basis? What's the
12 kind of one-year or three-year effect of them switching
13 activity? Is that seen by PacifiCare as powerful in the
14 longer-term?

15 If Blue Cross of Michigan is providing incentives
16 to providers again, to some rough metric of proportionality,
17 just how big an incentive is this is compared to other
18 incentives that they have? Certainly, as they're gauging
19 and guiding their behavior, they're making judgments all the
20 time at the margins to where to put their efforts.

21 So again, I think, a very well done chapter and a
22 very appropriate effort, but again I think it's important

1 that we get a sense of the depth and power of these
2 incentives vis-a-vis other ones. Because there's always
3 like 10 things going on at once, and it's important, if
4 we're going to have the incentive towards quality, I think
5 one of the reasons that all of the reports keep coming out,
6 and you don't see much activity toward it is -- there's a
7 lot of talk here, but not enough money and other kind of
8 support to back it up and cause people to start acting in a
9 different way.

10 MR. DeBUSK: I'm going to take a little different
11 stab at this because financial incentives for the provider,
12 I think, is a must in the system. But looking at this,
13 there's two pieces. There's the process, PC-squared, the
14 process and the production. Folks, we're over on the
15 production side. We're on the tail end of this thing. You
16 don't improve anything unless you get back into the process.

17 To illustrate this, I think in October Dr.
18 Berwick, Dr. Jones, Opportunities to Improve Health Care,
19 Crossing the Quality Chasm, Aims for Improvement, they very
20 well illustrated the value of protocols and that you can get
21 better outcomes and better performances with protocols.

22 Now let's go back and look at our system. We're

1 in a system, a coding system. We've been prospective
2 payment for the hospital. We've got a system for the post-
3 acute areas now, we've implemented the last one.

4 Within those diagnosis codes, those ICD-9 codes,
5 lies a descriptor. And ultimately we go from that diagnosis
6 code to a payment code. For devices, for treatments, the
7 roll-ups, the 3M systems that roll all this up.

8 If you go back and you look at the protocols,
9 application, and you tie it into the system, and you start
10 measuring how well a provider is using protocols and pay on
11 the participation on the front end of how well you do at
12 this, at implementing the process, engaging the process and
13 managing the process, the quality is going to be there.

14 But what we're doing is we're doing it in reverse.
15 We're using the stick, in most instances.

16 I'll promise you one thing. It will not work.
17 Been there, done that in industry. But there is a clear cut
18 opportunity and it lies within the fact that we've got the
19 coding system put together. It's not going to go away. It
20 can't go away. But how do you reward a physician or a
21 hospital? Are we talking about cookbook medicine?
22 Absolutely. Absolutely. The outcomes, what the results of

1 this has very well been demonstrated.

2 Now, I'd like to propose a bullet point to go on
3 page 31. I'd like to propose this bullet point. Protocols
4 should be implemented in a manner that would allow financial
5 incentives for the doctor, hospital, and other providers
6 based on their participation. The data for payment needs to
7 be taken from the diagnosis and payment code system.

8 The data collection should be seamless. It should
9 be a part of the coding system. Unless you get it to where
10 it could be managed and it can be collected on a seamless
11 basis -- looked what happened up there with Hoyer and the
12 guys at CMS. We come along with all these coding systems to
13 do an OASIS. And to do an OASIS we only need about 22 of
14 the 51 categories to make payment. But we've got all these
15 other data collection pieces in here. As a result, it's
16 real burdensome so they don't do it, a lot of it, or else
17 they just whip through it.

18 But you back to the nursing home industry, all
19 that, a lot of that data collection, it is the quality
20 information. And it just doesn't get done or it doesn't get
21 done properly.

22 So the opportunity, I guess to use Demming's

1 teachings of PC-square, it's very real. Is there a place to
2 begin? Yes. And it's so much easier than what we're doing
3 here. We're going to beat this thing to death, until we get
4 out of this box that we're in and re-look at this and say is
5 there an easier way to do it.

6 MR. SMITH: Sharon, Karen, I thought this was a
7 terrific contribution to this discussion. But I mostly have
8 questions. Let me begin with one that is connected to
9 Glenn's observation at the beginning.

10 Do we have any experience -- and I was wondering
11 about GM in particular -- with somebody in the Medicare
12 supplemental market trying to use incentives? And what do
13 we know about the effect on beneficiaries? Was GM's effort
14 simply aimed at current employees? Or did it go to their
15 retirees, as well?

16 MS. MILGATE: I believe it was just their current
17 employees. I think we even asked that question.

18 We are not aware of anyone using it in the
19 supplemental market. I mean, you can think of ways that
20 maybe it could be done through the premiums for
21 supplemental. But I think Glenn's point on how it might
22 impact using it for copays for providers is clearly true.

1 MR. SMITH: That seems right and I just wondered
2 if, given GM's very large --

3 MS. MILGATE: We haven't but it's a question we
4 could ask -- particularly go back to them and see if they
5 thought about it and decided not for some reason.

6 MR. SMITH: Even just getting their thinking would
7 be helpful.

8 I wonder, is the assumption. and the Michigan Blue
9 Cross example is a good one. But is the assumption that the
10 pot will be paid for out of savings? And does that take us
11 to a way of getting to size Ralph's questions about the
12 power of the potential pot? Where did the \$40 million come
13 from? What was the assumption?

14 MS. MILGATE: That's a very good question and we
15 didn't specifically ask Blue Cross that, but we did ask some
16 others that. And I won't name names on this one.

17 But what they said, particularly about the
18 beneficiary cost-sharing, and the payment differentials for
19 providers is a little bit different case. But the
20 beneficiary cost-sharing, the cases we saw on that were
21 based on both cost and quality information. I don't
22 remember one that wasn't.

1 So the point there was in some of the earlier
2 stages, in fact, it was only cost information. And in fact,
3 it was a progression to move to put in quality information
4 there at the same time. And the entity that we talked to
5 specifically about how those added up, because clearly the
6 purchaser or plan was going to pay more for the enrollees
7 who went to the higher quality, low cost folks, because they
8 were going to pay more of their share. And they said yes,
9 there was a calculation there in what they would save
10 because those were lower cost in addition to higher quality,
11 as to what they would spend for encouraging enrollees to go
12 there.

13 Now in terms of the payment differentials for
14 providers, several folks told us it was very important that
15 that be at least perceived as added dollars and not just for
16 perception purposes.

17 MR. SMITH: Added dollars to the provider but not
18 added dollars in the system.

19 MS. MILGATE: Added dollars to the provider --
20 well, to the system because we're talking about a context of
21 a negotiation. So it's kind of hard to ferret out, is this
22 really just new money that they set aside, or this money

1 they otherwise would have gotten in a payment increase?

2 That's a hard question to ask an insurer to tell you about.

3 DR. MILLER: I just want to ask for a second, when
4 were talking about this, at least at one point in time, I
5 thought we were saying that they pretty much negotiate, the
6 private employers negotiate what their premiums are and what
7 they were going to ultimately pay for whatever set of lives.
8 And then, within that, is how the differentials were --

9 MS. MILGATE: I would say that would be generally
10 the mechanism, yes. So there would be some redistributive
11 effects there.

12 MR. SMITH: Two last questions. I don't want to
13 take too much time but Sharon, you talked about the
14 importance of criteria that don't invite adverse selection.
15 Have we had enough experience now with these plans to have
16 some indication of what happens? Or are the perverse
17 incentives that we are worried about, do they persist or do
18 we have evidence to suggest that there are tools to avoid
19 them?

20 MS. MILGATE: I would say it's mixed. The story
21 is kind of mixed. The difficulty about that question is
22 that while that was a big concern for those we talked to,

1 what concerned us most is that the way we felt like they --
2 I don't want to use the term got away -- but the way that we
3 felt like they were able to use these measures and not cause
4 as many problems as might occur in the Medicare program, is
5 because they did have fairly low market shares.

6 So the providers were not as sensitive to it.
7 They also said it was one reason they stayed away from some
8 outcome measures. It was also the reason that they
9 sometimes did not want to go to do cost differentials for
10 their enrollees, because they weren't sure.

11 And the other mechanism we saw to try to mitigate
12 the impact of some kind of encouraging providers to take
13 riskier patients, of trying not to do that, was to take --
14 not to categorize say the whole provider as a high-quality
15 or low-quality provider, but perhaps have a matrix of
16 measures so they could be good on some and not so good on
17 others. So that then, you had the whole panoply of
18 measures, some of which didn't even need to be risk
19 adjusted. That you had a real mix, and that people could
20 then choose on those basis.

21 But I would say that we don't -- no one would say
22 that we have great case-mix adjustment in probably any

1 setting. There are sort of a spectrum of how good you can
2 get.

3 MR. HACKBARTH: I would think that the risk would
4 be principally with regard to outcome measures. To the
5 extent that you're using more measures of clinical process,
6 the risk would be diminished. Although there could be
7 issues about patient compliance and some groups of patients
8 being more able to comply with the medical instructions,
9 whatever they might be.

10 MS. MILGATE: Yes.

11 MR. HACKBARTH: But wouldn't it be principally in
12 the outcome area that the adverse selection, the risk
13 adjustment problems, would be greatest?

14 MS. MILGATE: Yes. And the big controversy in the
15 New York Times...

16 MR. SMITH: One last question. Sharon, you said
17 that universally the folks that you talked to on the private
18 side had rejected improvement criteria in favor of benchmark
19 and either you meet it or you don't. Could you talk a
20 little bit about their thinking on that? Sort of what you
21 learned from why they came to that conclusion?

22 MS. CHENG: Part of my impression was that it was

1 the most straightforward way when it came to scoring. It
2 was easier to set a goal and then meet it or not meet it,
3 than to try to score whether somebody moving from a 35
4 percent to a 45 percent was better or worse than moving from
5 80 to 85. I think it was a reaction on their part to try to
6 take a little of the complexity out of the system.

7 There was also a sense that it was a little bit
8 more palatable. That attaining the goal was somehow a
9 little bit more worthy of rewarding than someone who was
10 perceived, according to the score, to be on the lower end of
11 the score and moving up but remaining on the lower end of
12 the score. So I think there was a little bit of that.

13 I don't know that we heard too much struggling
14 back and forth, as to why they didn't try some kind of mix
15 or why others didn't.

16 MR. SMITH: Thanks.

17 DR. WOLTER: One of the things that interests me
18 on this topic has to do with the organization of health care
19 and then the infrastructure that it would take to really
20 address these quality issues, and so a few specific points.

21 On number four on your implementing incentives, I
22 think that there is an issue around information that isn't

1 just measurement, but it's implementation. As the
2 information systems are now maturing, clinical information
3 systems that allow order sets and clinical pathways to be
4 standardized, I think we're going to see a lot of bang for
5 the buck there, in terms of how we standardize care and end
6 up with better outcomes.

7 So it seems to me an important contribution we
8 could make is to be recommending that there be some
9 investment made possible in technology and in information
10 systems, that not only allow better measurement but are part
11 of how you implement improvements.

12 I think, in some ways, that's almost counter to
13 what number four currently says because I don't think
14 concurrent financial systems are going to be the place where
15 we make these improvements. So that would be one thing.

16 Another thing, aside from technology, as I
17 mentioned, is just the organization of health care. Much of
18 what we're talking about doing does require collaboration.
19 We can talk about incentives related to the current
20 financial silos, for example in the Medicare system, and
21 that's fine, we can probably make some incremental
22 improvements. But ultimately, if we don't provide a set of

1 payments that incent physicians, hospitals, and others to
2 work together, I don't think we can really make a lot of
3 progress on this.

4 In fact, the current payment mechanisms really
5 don't provide any incentive or very little incentive for the
6 various players to work together addressing quality issues.

7 Having said that, what is the answer? We're not
8 going to solve that between now and June. But I think that
9 something in the payment system needs to start happening
10 that brings people to the table to work together. And I
11 don't think it's an accident that the demonstration projects
12 revolve around group practices or about the health plan
13 level. We may want to explore that a little bit further in
14 terms of our own recommendations.

15 For example, some very specific things. If there
16 were payment for nurse clinicians and others who coordinate
17 the care of those with chronic disease, that might be really
18 a good thing because I think those are the activities that
19 will really make a difference.

20 And then also Don Berwick mentioned this when he
21 was here, but the whole issue of payment within a given time
22 frame, and how does that work, and how do we set up

1 incentives in a twelve-month period versus a three or four
2 or five-year period, that's another tough issue which we
3 probably won't have a specific recommendation on, but we
4 might want to make some comments about the fact that an
5 investment, however we set it up now, it may take three or
6 four or five or even longer years to show up. So payment
7 outside of the current time silos.

8 And as I said, also, I think payment outside of a
9 budget neutrality approach may be an important issue as
10 well, because some up front investment may be required in
11 order for us to see savings down the road.

12 This is a complex topic. I'm sure we could all go
13 on and on, but those are a few thoughts.

14 MR. HACKBARTH: The issue of the role that better
15 information systems could play, I think, is an important
16 one, and certainly one that's gotten a lot of attention
17 recently. Some of the recent IOM reports, for example, have
18 made at least broad recommendations that the government
19 ought to be doing more beyond the VA system in supporting
20 the development and implementation of improved systems.

21 It's a very complicated subject, in terms of what,
22 in fact, Medicare could do constructively in that area. But

1 because it's gotten so much attention, I'd like to see us at
2 least not answer the question, but have some discussion of
3 it. I asked Mark if he could help us, for the April
4 meeting, just sort of lay out some of the issues there and
5 we can make a judgment about what, if anything, to include
6 in our June report.

7 Alice?

8 MS. ROSENBLATT: I, too, thought the chapter was
9 excellent, and just a couple of points.

10 First of all, to the specific question Glenn
11 raised. I would not rule out beneficiary cost-sharing. I
12 think, particularly with the PPO plans now, we're seeing
13 instances in the marketplace of beneficiaries dealing with
14 different cost-sharing. So I would keep that on the list.
15 Maybe provider should be the first priority, but I wouldn't
16 rule it out. And I noticed there was a change in the way
17 the recommendation was worded in this material versus what
18 was up there. I would keep it in.

19 To answer David's question, I think, from what I
20 know of the marketplace, in general you might think of it is
21 a redistribution, I would think. It would like an across
22 the board increase to all physicians versus less of an

1 across the board increase in some targeted money going for
2 specific things.

3 To pick up on the systems thing, we always talk
4 about data and we always bemoan the fact that we're using
5 data that's two or three years old. I think any quality
6 system, part of any quality system needs to include timely
7 feedback to the providers. If you don't have that, it
8 doesn't work. And two-year-old data, I would not consider
9 timely feedback.

10 So I think, in our list of criteria, we really
11 need to hit on that timely feedback issue more.

12 Two other points. One is, you mentioned disease
13 management capitation. I have a lot of concern about that.
14 We've done a lot of work on disease management at Wellpoint
15 and the numbers that I've seen for the typical kinds of
16 diseases like asthma, diabetes, congestive heart failure,
17 the standard deviation is enormous. If we're going to talk
18 about that, we might want to put out a warning about how
19 there is wide variation in that kind of cost and capitated
20 system is difficult.

21 The other warning that I would put out is if
22 you're going to put savings numbers like on the General

1 Motors things, the other thing that I've seen in the
2 industry is these savings are being calculated in bizarre
3 ways. I mean, the most typical way of measuring savings is
4 to say well, in the absence of doing anything, our trend
5 would be 10 percent. But if we actually achieve a trend of
6 8 percent, we've saved 2 percent.

7 So be very careful before you quote a savings
8 number and understand how it's being calculated.

9 MR. HACKBARTH: On disease management, your
10 concern is about the payment method of capitation, as
11 opposed to --

12 MS. ROSENBLATT: I'm concerned about what's in the
13 capitation and is this sort of going to be the next thing
14 that blows up, that companies are going to start doing, some
15 of these disease management companies are going to start
16 going on the risk, and the whole thing is going to blow up.

17 MR. DURENBERGER: Mr. Chairman, thank you. I'm
18 just so happy to be here for this discussion I don't want to
19 critique it, because it's kind of one of the things I came
20 to MedPAC for. This and the variation discussion we had
21 yesterday is sort of like getting at the heart of it.

22 So anything I say, I hope is a compliment to the

1 excellent work you've already done.

2 On PowerPoint number three, I think it would help
3 if we reflect that Medicare has a tradition of trying to
4 deal with quality, even though it's basically an
5 administered pricing system, and so forth, and go back to
6 PSRO and PRO and some of that sort of thing. And in our own
7 way, as a program, the QIO is sort of like the latest
8 evolution.

9 But I think there's been a tradition here, at
10 least some kind of a commitment in the program, to respect
11 quality.

12 On PowerPoint number five, particularly as it
13 relates to the physicians, and you may well be aware of
14 this, since about 1993 or 1994, Minnesota Health Plan has
15 been putting a lot of money into something that nobody
16 really knows much about called the Institute for Clinical
17 Systems and Information. Practically every doc in the state
18 of Minnesota now has had an opportunity over the last eight
19 to nine years to go through basically a quality education
20 and training program.

21 So in one of those inside out, bottom-up, nobody
22 knows about it, nobody set criteria, there are in place --

1 at least in one piece of geography in this country -- not
2 something that was opposed by the health plans or set up by
3 the health plans, but paid for and run by the docs. And
4 that's a good example, I think, of how to try to build a
5 culture of quality rather than centers of excellence in a
6 community.

7 To the recommendation, which was the chairman's
8 question, I just think it's critical that the first
9 recommendation that we make in this area not be as specific
10 as the one that's been put before us. I like the Institute
11 of Medicine's recommendation, which is that we ought to
12 have, in our system and in our organization, we ought to
13 have a culture of quality, not centers of excellence.
14 That's stuck with me. That's on all my PowerPoints when I
15 teach now. We don't have a culture of quality.

16 And if anything, it seems that the goal of the
17 Medicare program ought to be to use its role and exercise
18 some responsibility for helping to create a cultural of
19 quality.

20 I don't personally believe that the provider-paid
21 differential is the way to start. It's already been spoken
22 to. It's sort of this top-down administered, you know the

1 latest whatever it is, and I'm uncomfortable with that, at
2 least at this stage.

3 For reasons others have stated, I have some
4 difficulty with the beneficiary differentials at this stage,
5 as well. And I would suggest that we, having set our goal
6 at a culture of quality, that we think about provider
7 incentives. I think, listening to the comments of my
8 colleagues before me, while this isn't the specific program,
9 it is a way in which people with different ideas, I think,
10 can come to some conclusions about what's the most
11 appropriate incentives in a third-party payment system,
12 whether it's private payers or public payers, that will
13 incent the physician, the hospital, the whatever it is.

14 So that if we explore that issue just a little bit
15 more, and I'm sure it gets complicated and the economists
16 can deal with it a lot better than I, but the issue for me
17 becomes what could we do in the area of provider incentives?

18 I agree with Pete about systemic failure, with
19 Nick about the organizational challenge, and so forth. But
20 I think if we look at this issue of provider incentives and
21 we encourage the administration to be looking at it as well,
22 they've got something to tie some of their things together

1 on.

2 We have one to recommend in a state-wide
3 demonstration in Minnesota in which you simply allow the
4 community of doctors and health plans to work together to
5 design the measures and the various standards that they're
6 willing to use in order to demonstrate to Medicare that they
7 can do better care for less money. And I won't get into the
8 details of it, but it's a bottom-up rather than a top-down
9 theory of providing incentives to the providers to do some
10 of these kind of things.

11 The last thing I would say with regard to HHS, in
12 particular. Your report reflects the importance of
13 measures, standards. It doesn't mention the privacy issue,
14 the security issue, the confidentiality issues, and then the
15 investment.

16 In this institute that I run, we now have 22
17 health organizations from the state of Minnesota plus Fargo,
18 North Dakota; Sioux Falls, South Dakota; Eau Claire,
19 Superior, LaCrosse, Wisconsin. A lot of those are in the
20 tradition that Nick talked about. They've already built
21 themselves up either to paperless systems -- they are on the
22 verge of trying to do quality based or performance-based.

1 They're stopped not by money so much as they are by the lack
2 of uniform measures, the lack of standards by which to use
3 the data. And the problem that the states are posing with
4 privacy regulations and things like that.

5 So before Tommy Thompson rushes off to invest a
6 lot of money in technology, I think he ought to be focusing
7 -- as an administration, we ought to be focusing on how do
8 we get consensus on the measures, the data, and some of
9 those sort of things. Because I believe that there are
10 organizations now across this country that are poised to
11 move in some appropriate direction if some of those issues
12 could be taken care of.

13 MR. HACKBARTH: Dave, can I just try to get a
14 better understanding of your first point?

15 I think back to the discussion we had with Don
16 Berwick and Brent James. And the takeaway that I had from
17 that was that first and foremost you need what you
18 characterized as the culture of quality. That's a necessary
19 condition for success.

20 But what I heard Don and Brent say was that even
21 where you have that culture of quality, it isn't sufficient.
22 It's necessary but not sufficient. And Brent gave a number

1 of examples where they were committed to quality but they
2 were having problems because there are programmatic costs
3 that you incur to set up systems. And the savings, which he
4 thought were real, often don't accrue to the providers who
5 make the investment.

6 So I heard from him a quite explicit call to marry
7 some financial rewards with the culture if you're going to
8 have success.

9 MR. DURENBERGER: And he also said a lot of other
10 things about use the disease management program at the
11 Health Partners, which has been in existence for 10 or 11
12 years now, as one of the business plan examples, in which
13 it's so hard to prove that you're making money for a variety
14 of reasons, including the fact that because your
15 beneficiaries can move and out every year, they don't even
16 know they're getting the benefit, they're reaping the
17 benefit of your investment in long-term payoff.

18 So there's a whole series, I believe, of changes
19 that need to take place in the current system, starting with
20 not rewarding poor quality and issues like that, which is
21 more complicated, that fall under rubric -- all I'm saying
22 is don't start with one specific recommendation. Let's

1 start paying people for distinguishing this provider from
2 that one.

3 If you looked at some of the Health Affairs, or
4 wherever it was, article on that thing out in California
5 that Jamie Robinson was part of, the hospital tiering. It's
6 just another effort to say somebody knows how to select this
7 hospital versus that one. I don't think we're ready -- my
8 instinct is I don't think we're ready for that. But I think
9 the hospital and the docs are ready to make some moves, if
10 in fact we could help them identify the kind of base that
11 they need.

12 And then, when you get to the health plans and so
13 forth, that's where you start thinking about where are the
14 changes that need to take place to provide incentives for
15 the beneficiaries.

16 So I don't want my recommendations misinterpreted
17 here. I'm so anxious to see us do this in the June report,
18 but I don't want to get too specific about a solution
19 because I'd like to see a wide variety of solutions cutting
20 across various recommendations we've got.

21 DR. REISCHAUER: Karen and Sharon, I think you
22 really did a tremendous job and presented it very well.

1 I guess I disagree with Alice, and to a certain
2 extent, Dave, in the sense that I think we should be very
3 explicit in our recommendation that the Secretary should
4 focus on financial incentives for providers. I think your
5 chapter actually laid out a very strong case why, in the
6 fee-for-service part of Medicare anyway, incentives for
7 beneficiaries are unlikely to be effective, are going to be
8 difficult to implement, and are going to be politically
9 nonviable. And rather than having HHS reinvent what you've
10 already nicely summarized, I think we should say this really
11 isn't the road to go down or to focus your effort on.

12 However, also to point out that in the non-fee-
13 for-service component of Medicare, be that Medicare+Choice
14 or enhanced Medicare PPO, there's a very effective way of
15 providing the incentive, and that is to vary the Part B
16 premium for high-quality versus low quality. So should the
17 structure change, or the parts of the structure that are
18 appropriate for this, there is a mechanism that's fairly
19 simple and we could move forward on that front.

20 I also think you should be a little more explicit
21 about advantages and disadvantages of absolute thresholds
22 versus relative distributions when we come to measuring

1 quality. I think it was PacifiCare or somebody said we
2 reward the top 10 percent with extra payments. That strikes
3 me as not an approach to go down, simply because what you
4 want to do is reward meaningful differentials in quality and
5 the distribution could be very, very compact and the
6 difference between the 10th percentile and the 90th
7 percentile could be, for all practical purposes,
8 meaningless. And we don't want to go down that road.

9 Finally, I think, although it is uncomfortable to
10 do, that we should at least have some discussion of the
11 political geography of this issue. The decisionmakers for
12 this program are geographically based. We know there are
13 huge differences in practice patterns across the geography
14 of this country. There are probably huge differentials in
15 average quality across the jurisdictions of America. That's
16 strikes me as the major hurdle here to moving forward
17 because. as you say, this does require legislation.

18 To the extent that you set out a threshold that is
19 national, it is conceivable that very few providers in
20 certain congressional districts, states, will meet that
21 threshold. If that is the case, you're not going to see
22 that legislation move one inch forward.

1 I think it's worth discussing the possibility of
2 combining extra payments for high-quality providers with
3 some temporary resources for those areas that are low in
4 quality to improve quality. That it's going to have to be a
5 mix of these two over the original -- over the transition
6 period or else the way to do it is to start with very low
7 thresholds for quality and legislatively explicit increase
8 in those over a decade up to a level that you want.

9 But then what you're doing is really prolonging
10 the period because you'd be distributing very little money
11 to anybody with high quality or measured quality above this
12 low threshold because so many people would be eligible.

13 But in theory, what we want to get to us a system
14 in which everybody is rewarded for quality. I mean, that
15 the quality improves throughout the country and in effect,
16 the payment differentials provide, in effect, little
17 incentive.

18 DR. NEWHOUSE: First, I think this is really
19 exciting and a tremendous potential opportunity. In terms
20 of the chapter and the draft recommendations, I thought it
21 was good as far as it went, but it didn't go far enough. So
22 I actually disagree with David, I think. I would like to

1 see somewhat more specificity along a couple of dimensions.

2 First, I tend to agree with Glenn and Bob on the
3 provider-side incentives although demonstrations don't have
4 to be mutually exclusive. But I think that's the place to
5 start.

6 Where I'd like somewhat more specificity is, first
7 of all, the process that would be engaged in for determining
8 what exactly is going to be demonstrated. Would CMS appoint
9 some kind of outside committee? The IOM? Do they ask, as
10 the Department of Defense would if they were going to have
11 an airplane, for various design groups to design prototypes
12 and there would be a form of competition?

13 I don't know the answers to these questions, but
14 it would be nice if we could think about something to say
15 about how we get from here to there.

16 Then, on the process and outcome side, I think we
17 have to recognize that we're dealing with a population that
18 has a lot of comorbidities which complicates both process
19 and outcomes, frequently brings multiple providers into
20 play. Then there's the question of who gets rewarded or
21 penalized? For what? There can be, as we know,
22 coordination problems across the multiple providers. What's

1 the mechanism for getting at the coordination problems?

2 This would presumably all be addressed in the
3 design phase of what are we going to exactly demonstrate?

4 But then we are back to what is the process for determining
5 this?

6 Ditto in the strengths of the incentives. Are we
7 talking about 5 percent of the payments? 30 percent of the
8 payments or what?

9 Then I think there's a question that we should, I
10 think, say something about at some point that Nick touched
11 on, which is the time it's going to take to actually do
12 this. There needs to be some kind of design phase time.
13 There probably should be some kind of pilot for how feasible
14 this is, or working out the bugs in this.

15 Then there's the question of how long are you
16 going to wait to get cost estimates? People have talked
17 about downstream effects. There are some interim learning
18 that could happen. But I think we need to get across that
19 we're talking about a long-term project here and that we're
20 not going to likely have useful information quickly.

21 So that brings me to a second point, which is that
22 the CMS track record on actually learning things from

1 demonstrations is not great, for a lot of reasons that are
2 not necessarily having to do with CMS. But I think here we
3 ought to be fairly specific about saying to the extent
4 practical we would like a randomized design, so that we
5 actually learn something about what the effects are here.

6 Then I think this is a really hard question to
7 figure out what exactly should be done here. I'd like to
8 encourage us to put this on our retreat agenda for some
9 discussion about where we go, and see where we get.

10 Then one final small point about Bob's comments
11 about PPO and M+C. My question there is what did you have
12 in mind? In effect, these entities or certainly the M+C
13 plans are going to determine their networks which, to the
14 degree they do that on the basis of any quality measure, it
15 implicitly puts in a financial incentive on the consumer
16 side. So I'm not sure what exactly we were advocating, if
17 anything, or you were thinking of on the PPO and M+C side,
18 but you may...

19 DR. REISCHAUER: I was thinking of steering
20 beneficiaries towards those plans that had higher measured
21 quality, by varying the Part B premium for those who join
22 quality care golden versus resources average care brown.

1 DR. NEWHOUSE: In some kind of market-specific
2 fashion? Plan A could be doing great in San Diego and lousy
3 in Los Angeles.

4 DR. ROWE: Can I ask a question? I'm sorry I came
5 in late, and I don't want to interrupt but I'm trying to
6 understand this.

7 If you want to steer beneficiaries toward plans
8 with higher quality, you would presumably do that by
9 charging them a lower premium. That would steer them into
10 it.

11 DR. REISCHAUER: That's what I said.

12 DR. ROWE: And then you're paying the providers
13 more because they demonstrate higher quality, so that the
14 premiums are lower and the payments are higher. So how do
15 you --

16 DR. REISCHAUER: No, this was in a discussion of
17 incentives for beneficiaries, as opposed to incentives for
18 providers. So all I'm trying to do is lower the cost of
19 participating in high-quality plans from the beneficiaries'
20 perspective. I didn't say anything about the other side.

21 MR. HACKBARTH: The provider payment would be
22 based on the plan's mechanisms. That would be a plan

1 decision on how to pay the providers. He's just thinking
2 about the beneficiaries.

3 DR. REISCHAUER: You could do both. You could
4 lower the Part B premium and raise the capitated payment for
5 the plan.

6 DR. ROWE: Maybe in your world you could.

7 DR. REISCHAUER: I thought you'd like this.

8 MR. HACKBARTH: Joe, what I understand you're
9 saying is that your mental image of what needs to be done in
10 terms of demonstrations is much more like the Rand health
11 insurance experiment as opposed to the demonstrations that
12 we more typically see?

13 DR. NEWHOUSE: That was the burden of the
14 randomized design comments, but I think while it's fine for
15 us to say we'd like demonstrations on quality of care, if
16 we're actually going to get something out of these to design
17 is a tremendous task. Anything we can contribute along
18 those lines, at a minimum saying something about what the
19 process ought to be, who designs this or what groups are
20 involved, and how much time do we think is necessary and so
21 forth, those are all very important decisions or this could
22 amount to nothing at the end of the day.

1 DR. WAKEFIELD: Nice work. Just a couple of
2 comments.

3 First of all, in the early part of the chapter you
4 discuss disincentives in addition to incentives. I'm not
5 sure that you can go down the road of disincentives much
6 farther than you already have. Perhaps disincentives and
7 incentives are two sides of the same coin. I don't know.

8 But it did strike me that if there were options,
9 if we knew clearly what some disincentives were and there
10 were options for removing those -- it might be regulatory
11 burden for certain regulations, I don't know. But maybe
12 there are two or three out there that can be identified that
13 we could also say, and here's a place to start, not just to
14 move and create new incentives which is critically important
15 but also is there anything that could be rolled back or
16 adjusted that right now is serving as a disincentive?

17 I didn't give it much more thought than that,
18 other than to say you did a nice job of raising it early on,
19 sort of the perversities in some of the financial
20 disincentives.

21 I was wondering is there anything more that could
22 be said about that? I'll give it some thought, too, but if

1 there is more, that might be worth expanding a little bit of
2 a discussion there.

3 The other comment I wanted to make or another
4 comment that I wanted to make is that the option of at least
5 considering by way of example in the text incentives to
6 improve and further push the development of infrastructure,
7 information technology, information systems. I know other
8 people have commented on different ways thus far, and
9 clearly some institutions are moving rapidly on that front,
10 others are not moving as rapidly for financial probably even
11 cultural reasons, in terms of people feeling comfortable
12 with using those systems and wanting to deploy them and so
13 on.

14 But I'd say, by way of example, one of the core
15 patient safety standards from Leapfrog was, of course, their
16 computerized physician order entry system. What did it
17 accomplish? Of course, it accomplishes improvements in
18 medication, in decreasing medication errors.

19 But it also, in the process, contributes to
20 improvement in the information structure, the IT of those
21 hospitals where it's deployed. And that also, beyond
22 medication error directly, enhances the ability of those

1 facilities to measure and to engage quality improvement more
2 rapidly than they probably would be able to if they were
3 still using paper and pencil, or whatever other parts of the
4 system they had.

5 So I think we're seeing sort of fits and starts in
6 terms of deploying clinical IT in really complex care
7 systems, and anything we can do to help try and extend those
8 activities is important.

9 I would say this is not all rural and it's not all
10 urban. Just by way of example, and I know I used this once
11 before but I'm going to again just to make the point. In a
12 teaching hospital within a very short distance of us right
13 here, I've said it before, when I was working on the To Err
14 is Human Report with my colleagues at the IOM, at the very
15 same time, my Medicare beneficiary mother underwent to
16 laterality procedures at two different institutions within
17 this geographic area. In one, a surgery on the wrong wrist.
18 On another, a steroid injection in a hip under fluoro on the
19 wrong hip.

20 So you think our tertiary care teaching facilities
21 have got everything up to snuff. In querying that tertiary
22 care teaching facility on the latter point, the excellent

1 physician surgeon who did that injection, about why did this
2 happen? Well, the answer, from his perspective, was I
3 didn't have the chart here. The chart was still in the
4 clinic. And the clinic is just feet away from this
5 outpatient unit.

6 So the point is to say that we've got some
7 information systems built into some parts of really
8 wonderful structures, but they're not necessarily threaded
9 through. This wasn't an OR suite. It was an outpatient
10 ambulatory care suite. So they had fine corrections and
11 preventive measures that had been deployed in their OR, but
12 they hadn't in their outpatient ambulatory care side.

13 So I'm saying I don't think we're as consistent
14 with using IT as we could be, and I don't think it's just a
15 rural/urban problem. I think anything we can do to improve
16 quality and use this as a driver, as difficult as that is --
17 because I will tell you, in this case, Medicare paid twice
18 for both procedures. And she paid twice, having to go
19 through those procedures, yada, yada, yada.

20 So that's that point.

21 One might also think -- well, this is probably
22 heresy. But as we even think about GME subsidies, perhaps

1 one thing we could think about over time is whether or not
2 we'd want to help pay hospitals not just to train physicians
3 in residency training, but also try and encourage those
4 environments to move away -- that they're training, that
5 those residents are operating in, from moving away from
6 paper-based to broader IT-based on institutions that have
7 really got very strong safety reporting and improvement
8 systems embedded within them. So we might think about
9 casting that a little bit more in that direction, for
10 another day's discussion. But it just makes my point.

11 The last point I want to make is the House just
12 passed legislation authorizing the establishment of patient
13 safety organizations that can collect and report information
14 confidentially on errors for the purposes of systems
15 improvement. One might say that that is the sort of thing,
16 I think, that if it's enacted, it would be great to link
17 that with some financial incentives for hospitals and
18 physicians and others to participate. So maybe they'd get a
19 break from something else, from some other regulatory
20 burden, if they step up to the plate and they participate in
21 the creation of that new reporting system, if in fact it
22 would make it all the way through.

1 But it's just the point, are there breaks that we
2 can provide to those providers that engage in these early
3 efforts, both financially, some financial incentives, and
4 also some regulatory relief wherever we might be able to
5 find that in the system to try and encourage these quality
6 improvement efforts.

7 Last point, I actually really certainly support
8 the first recommendation. I'd be happy if we could add to
9 it, but I think it's a fine place to start.

10 I'm not so sure about the second recommendation.
11 I think the criteria that you've listed are good. Whether
12 or not they are embedded in a recommendation or they're
13 discussed in text, either place. I don't feel strongly. I
14 think they're find to have one place or the other.

15 The last point I was going to make is we also
16 might say, somewhere in the text, unless they automatically
17 do it -- you'll know the answer to this question -- but you
18 might also try and have CMS engage with their colleagues at
19 the Agency for Health Care Research and Quality for some of
20 their research to get at your point earlier about how do you
21 structure these demos in a meaningful way. Let's bring the
22 folks who know a lot about different pieces of this

1 together. We might encourage that, at least in the text.

2 And I'd also say on the rural side, the Federal
3 Office of Rural Health Policy has really been moving a lot
4 on quality on the rural side. And that would be another
5 player inside HHS to bring to the table to really get the
6 very best we can out of this effort.

7 MS. DePARLE: I agree strongly with everything Bob
8 Reischauer said, so I want to just echo him but highlight a
9 couple of points.

10 One, I think that it is important for us to be as
11 explicit and specific as possible with our recommendations.
12 So I guess I slightly disagree with what Senator Durenberger
13 said there.

14 I think CMS, I think the Administrator, and I
15 think the entire agency is very committed to this. But they
16 are very limited in their resources to do demonstrations.
17 As much as we'd like to talk about how the whole thing is
18 designed, that's an incredible burden. And also they have
19 to work very closely with the Congress and we start talking
20 about doing randomized in someone's congressional district,
21 I can sure you that it's not -- the Rand Project might have
22 an easier time of that than CMS would.

1 So I think we need to be as specific as possible.

2 And therefore, while I'm open to looking at
3 beneficiary differentials, and I would suggest that the
4 centers of excellence demonstrations that were done actually
5 did do some of that, and I believe with some success,
6 although as Glenn or someone said -- oh, I guess Joe, you
7 said, the learning curve in learning from demonstrations is
8 a difficult one, not all because CMS doesn't want to learn,
9 but because sometimes what they learned is not what everyone
10 wants them to have seen.

11 But anyway, I think that it's important to be as
12 specific as possible and to focus probably on the provider
13 side of this, because I think that's -- there's low-hanging
14 fruit there. It's easiest to go there, first.

15 I'm glad to hear, Glenn, that you and Mark
16 discussed doing a little more work on the clinical
17 information systems front, because I think that's a really
18 important area. I think even in this room we've heard
19 different things about where are we really with that.

20 I was heartened by what Senator Durenberger said
21 about the progress he's seeing in his area of the country.
22 But I have no idea what we really stand. How many hospitals

1 are moving forward? How many aren't? What do they have?
2 What do they not have?

3 I don't know, Mark, if it's possible, this might
4 be something you have to contract out for, but to come up
5 with some type of typology that would give us some
6 information about this. And even, I think Bob is right. We
7 probably need to look at it from a regional basis as well,
8 just see if we can make any determinations about where we
9 are there because we have to be realistic. That's what
10 we're going to have to deal with if we want to move forward
11 here and see what are the barriers?

12 We've heard that cost is a barrier. Medicare pays
13 capital costs now. How much of this would Medicare already
14 pay for? Are there other changes we could make?

15 So I'd like to see us do some more work there.

16 DR. NELSON: I certainly support going ahead and I
17 support the recommendations. But I think more attention
18 needs to be given to the implementation barriers, especially
19 with respect to ambulatory care. On page 26 we say credible
20 measures of physician quality are also available often
21 through data collected by CMS claims data. But I submit
22 that claims data are poorly suited to identifying individual

1 performance. You may know that a Pap smear was done. You
2 don't know whether to give credit to the primary care
3 physician who recommended it or the OB who did it, or a
4 nurse clinician who did it.

5 Claims data are not suited for identifying
6 individual compliance with best practice protocols, as Pete
7 pointed out. Especially without drug data. You just can't
8 do it.

9 I was part of IOM studies called Effectiveness
10 Research in 1990 and we tested the thesis that this enormous
11 amount of claims data for Medicare could be used to draw
12 quality inferences. Very few. Usually we ended up
13 recommending the PROs go look at the charts.

14 Finally, for fee-for-service ambulatory care, the
15 data system capability isn't in place and we ought to worry
16 about our recommendations sounding like an unfunded mandate.
17 One of our recommendations might be for incentives to be
18 provided for the development of information systems. One of
19 our recommendations could help set that aside in the
20 demonstrations.

21 DR. STOWERS: I agree with a lot of things here
22 and I absolutely agree just because of the simplicity that

1 probably the provider payment differentials is the place to
2 start. And with Joe, that we need to be specific on that.

3 This whole thing is very exciting. I just wonder
4 if our biggest contribution as a commission might not be to
5 couch this somewhere, in some kind of a strategic plan, and
6 that we really look at our goals of where we're trying to go
7 with this.

8 I heard several different goals coming around the
9 table as to what we're trying to accomplish. Are we trying
10 to get everybody up to a benchmark? Or that kind of thing.

11 I'm okay with the recommendation but I really
12 think it needs to be couched in something that we let
13 Congress know that this is not going to work if we don't
14 work on our information infrastructure, and we don't get our
15 criteria set, and we don't get our case-mix problem solved,
16 that that all has to happen together.

17 At several conferences we've been at lately, what
18 Mary and Pete are talking about is we've got to accept in
19 Medicine that there's got to be better management systems
20 and that it's not going to be the traditional doctor/
21 patient relationship or typical hospital things that are
22 happening. So I think that needs to be part of the

1 strategic plan of doing that.

2 I just would like to see it couched more in that
3 and not on isolated demonstration project that looks at
4 provider differentials but a demonstration project that also
5 looks at some of these other problems and the management
6 systems that might be in that program because there's some
7 really good ones out there.

8 So I think if we just go after payment
9 differentials in the demonstration project we're going to
10 lose a lot of valuable time and effort. That's kind of
11 where I am.

12 MS. BURKE: You guys did a terrific job. It is, I
13 think, an enormously important piece that is heading us in
14 the right direction. I have little to add to what has been
15 said, but I wanted to underscore a couple of things.

16 Let me begin with Ray's points. Pete made, I
17 think, a critical point in his conversation. Congress has a
18 tendency to look at the end result of whatever has occurred,
19 which is often the easiest thing to do. And the failure to
20 look at the inputs and the systems issues here, I think,
21 will lead to a continuation of problems.

22 And so Ray's point, which was that you need to

1 create a context in which all of this has to be done, that
2 will include looking at the infrastructure and the inputs
3 and the process and procedures, as well as the end result
4 which is the outcome that we measure, will be critical. To
5 fail to do that will have us focus solely on the outcome and
6 that is whether someone does X, Y, or Z, and little
7 attention to the infrastructure that needs to be put in
8 place to achieve that over the long term.

9 So I think Pete's point, which is that we have to
10 look at both sides of this for equation; Ray's point that
11 you have to create the context so that Congress understands
12 that; I think are going to be critical to whatever is that
13 we do, and I think has to be referenced.

14 Like Nancy-Ann, I want to underscore and support
15 the points made by Bob and by Joe. And that is the
16 complexity of the politics of this will make or break what
17 it is we try to do. And I can tell you already, that the
18 exercise that will take place to try and anticipate the end
19 result of a demo, that will result in movement of money
20 around the country will be the first thing they ask. Tell
21 me right now what does my district look like? And what will
22 the impact be? And how much money am I going to lose?

1 I mean, we went through this when we created DRGs.
2 We went through this when we did M+C and we set rates. It
3 is inevitable, so we may as well anticipate that at the
4 outset.

5 So to understand that, I think, has to necessarily
6 suggest the kind of detail that Joe raises and what a
7 structured demonstration needs to look at. We, in fact, do
8 not have a good success at either structuring demos nor
9 utilizing the outcomes, nor getting a result that we've put
10 in place any time in our lifetimes.

11 We've all known demos that have done on -- S-HMOs
12 is a good example -- that have gone on forever with little
13 attention to what we started to ask, where we got with an
14 answer, and whether we did anything with it.

15 So the detail that Joe suggests is exactly what
16 you need to look at to ensure that the outcome of the
17 process is one that is, in fact, utilized in developing a
18 system.

19 So I think that looking to Pete's point, create
20 the end and the beginning; Ray's point, we have to create
21 the context of what success will be here and some reasonable
22 expectation; and the kind of details that Joe suggests will

1 be needed to avoid the kind of problem that Bob anticipates
2 we all know will happen.

3 And I think this is something well worth spending
4 time on at the retreat. I think this has moved us in a
5 terrific direction. I think the whole context of what is
6 best practices? What do we know? Real differences between
7 what the public sector and the private sector are paying
8 for. Our patient mix is very different, attention to that.

9 But I think we cannot avoid these questions, but
10 we have to create a structure that will get us an end result
11 that is sustainable. The only way you do that is by the
12 kind of investment Pete suggests, which is look at what the
13 inputs look like as well as what the outcomes are going to
14 be. And build consensus around what we all think is
15 success, because that will be what drives this political
16 agenda at the end of the day.

17 DR. MILLER: Just to say a couple of things. One
18 thing I think is really positive about this is I think we've
19 just hit something that is really important. I think
20 virtually every person commented on this and had a lot to
21 say about it.

22 I've been taking extensive notes and rather --

1 because we're over time, I was going to try and track
2 through this and summarize what happened here. But I think
3 we don't really have the time to do that. So what I'll do,
4 when we get out of this, is we'll write an e-mail back to
5 you guys and tell you the major blocks that we'll take up in
6 this chapter.

7 I just do want to say this. I think we
8 anticipated a lot of what happened here, the idea of trying
9 to be more specific and some of the broader context things.
10 We're coming into this to first say is this even the
11 direction you want to go in or what we want to focus on?
12 And we've heard a lot of help, in terms of trying to frame
13 this and moving forward. And we'll try and lay that out for
14 you and get it back to you.

15 MR. SMITH: Very briefly, I'm struck, beginning
16 with Pete and Sheila's summing up.

17 One of the things we ought to talk about at the
18 retreat is whether or not the protocol/process/IT issues,
19 that so many people have talked about so well, necessarily
20 have to be linked to solving all the problems of moving
21 forward on quality.

22 It seems to me the burden of the case that has

1 been made around this table is we know the importance of
2 this stuff, we know we are lagging. We don't understand
3 enough about why we are lagging, the questions that Nancy-
4 Ann raised.

5 But it doesn't seem to me we need to hold that
6 conversation and a discussion about how we might move ahead
7 on the protocol/IT front hostage to solving the critical
8 political and design questions that Bob and Joe and others
9 have raised about taking demonstration steps on the
10 incentive and quality question. They aren't necessarily the
11 same question.

12 DR. NELSON: You want to move on?

13 I think what I heard was general agreement that
14 this is the direction we want to go. We want to make a good
15 clear statement that Medicare ought to pay for quality.
16 With all of the caveats, don't remove that basic conclusion
17 from what I heard.

18 MR. HACKBARTH: I agree, Alan. There's a clear
19 consensus on that. I also hear a consensus that we need to
20 begin to experiment with ways to operationalize it. I also
21 heard an acute awareness that there are a number of things
22 that need to come together to achieve the level of quality

1 that we all want for the program for the beneficiaries.

2 So there's lots of consensus, I think, at the high
3 level and obviously our task, both for the June report and
4 the ensuing months, is to try to get as concrete and
5 detailed on next steps for the program.

6 Thank you, Karen and Sharon. We do need to move
7 ahead now.

8 Next up is experience with market competition in
9 fee-for-service Medicare.

10 MS. MUTTI: This presentation is intended to give
11 you a sense of our workplan in the area of exploring
12 experience using market competition in fee-for-service
13 Medicare. We hope to give you a sense of a draft paper that
14 we will give you in advance of the April meeting. I think
15 this presentation also follows nicely on some of the things
16 that you've just discussed in relation to Karen's
17 presentation because we touch a lot on demonstrations, and
18 the lessons learned, in their role and the future of them,
19 as well as get into the centers of excellence concept which
20 builds nicely on some of the quality discussions that you've
21 just had.

22 But we do approach this particular presentation

1 from a market competition point of view so the question that
2 we first posed in starting out is, can market competition be
3 used to price fee-for-service Medicare products and service?
4 And if so, how should it be designed?

5 Not only has Congress required demonstrations
6 testing competitive bidding, but legislation has also been
7 introduced that would require competitive bidding to
8 determine prices for such things as durable medical
9 equipment and laboratory services nationally. There's also
10 been conceptual discussions about how you might use it to
11 price Part B drugs.

12 So to begin to consider this question we thought
13 it would be helpful to review Medicare's experience with at
14 least two key demonstrations, the competitive bidding for
15 DME demonstration and the participating heart bypass center
16 demonstration. That one was the most comprehensive
17 demonstration of the two that looked at the centers of
18 excellence concept back in the 1990s.

19 Last September Sharon presented the results of the
20 initial evaluation of the DME competitive bidding
21 demonstration to you. As you may recall, the demonstration
22 was in operation between 1999 and 2002 in two sites, Polk

1 County, Florida and San Antonio, Texas. Each site tested
2 bidding for a different subset of DME products and the
3 bidding rules varied somewhat based on the specific product.
4 In all cases, beneficiaries had choice among winning
5 bidders.

6 A total of three rounds of bidding were
7 conducting, and while the evaluations are not complete,
8 results from the first two years of the demonstration
9 indicate that on average prices were lower than the fee
10 schedule and quality and access in general were not
11 compromised. In fact the three rounds of bidding resulted
12 in prices that averaged between 17 and 21 percent below the
13 fee schedule.

14 While on the whole access and quality appear
15 unchanged under the demonstration, two situations, at least
16 two caught the attention of evaluators. There was one
17 concern in Polk County that there was a decline in the
18 proportion of beneficiaries receiving portable oxygen, which
19 is an issue in terms of their quality of life. And there
20 one issue that they noted in San Antonio where some
21 complaints were that equipment wasn't being adequately
22 serviced. In response, beneficiaries used other bidders

1 that were available to them.

2 The Medicare participating heart bypass center
3 demonstration was conducted between 1991 and 1996. This
4 demo invited physician and hospital organizations nationwide
5 to offer a price for the total hospital and physician
6 services surrounding two cardiac DRGs. 209 hospitals
7 responded to the solicitation, 42 of which submitted very
8 thorough applications and ultimately seven sites were
9 selected.

10 In return for the lower payment the participating
11 sites received two key rewards. First, they were paid a
12 bundled fee for all hospital and physician services, and
13 this includes consulting physicians, surrounding those DRGs.
14 This bundled fee allowed participating organizations to
15 create a payment approach that rewarded physicians for
16 reducing the total cost of care. It aligned their
17 incentives so that they shared in the savings that were
18 accruing to the hospital before. They had the incentive to
19 use perhaps lower cost supplies in the OR, to improve the
20 discharge time from the ICU.

21 Second, facilities could market themselves as
22 having this national distinction that recognized that they

1 provided high quality service in these areas and they could
2 potentially use this as a way to market themselves and gain
3 greater market share in their local market. This
4 demonstration did prove to reduce spending on the bypass
5 patients that it served by about 10 percent, and many of the
6 participating sites did respond to the incentives and
7 considerably reduced their own costs. In addition,
8 mortality rates declined.

9 In the paper that we're preparing for April we
10 plan to identify some of the key issues that appear relevant
11 to any competitive bidding proposal and examine how each of
12 the two demonstrations approach them. Specifically, we plan
13 to look at each of the demonstrations with respect to the
14 following key elements.

15 First, how the market is defined. This includes
16 questions about how you would define the product, how
17 comparable the product is across providers and suppliers,
18 the degree of bundling of services and products that were in
19 each demonstration, and then we'll also talk about the
20 geographic boundaries of the market and how that was defined
21 as well as who were the eligible participants to play in
22 this market.

1 A second design issue is how the bidding process
2 is created and what incentives are in place for competitive
3 bids. We'll talk about the specifics of the bid
4 solicitation under each demo as well as the carrots and
5 sticks, or the rewards and penalties, that each pursued to
6 induce competitive bids, and their relative success.

7 We'll also highlight in this discussion some of
8 the transition policies, in particular in the DME demo that
9 were pursued

10 . One interesting one was the concept of allowing
11 some losing bids, in this case for oxygen suppliers, to
12 continue to serve their current patients, but not take on
13 new Medicare beneficiaries for the term of the contract.

14 Finally, we'll examine how each of the
15 demonstrations provided for the education of beneficiaries
16 and providers, and what protections were in place for
17 beneficiaries who had concerns and needed problems
18 addressed.

19 In the course of looking at this issue we wanted
20 to also point out to you today that despite the savings
21 achieved for beneficiaries in the program in these two
22 demonstrations neither program is in operation, and I guess

1 that's not a surprise considering some of the comments that
2 you've made already. As of January 1st the reduced rates
3 paid to DME suppliers in the two sites were increased to the
4 statewide fee schedule. In a way, I think the demonstration
5 proved that the fee schedule is broken.

6 CMS no longer has the legislative authority to
7 selectively contract with winning bidders, and this is a key
8 element to the demonstration.

9 The fate of the centers of excellence concept has
10 been more complicated. As we noted, the bypass
11 demonstration ended in '96. Recognizing its success and the
12 utility of expansion, CMS issued an RFP in 1998 to expand
13 the concept to more sites and more procedures, including
14 orthopedic procedures. It was under a new name at this
15 point, centers of excellence. 100 facilities responded but
16 the timing was poor for CMS. They were facing the Y2K
17 preparations and then they also had BBA coming down the pike
18 and had staffing constraints.

19 So it was relaunched in 2000 and targeted to three
20 states. Apparently there was a fair amount of interest
21 although CMS would not share with me how many respondents
22 they got on this round. They also report that the discounts

1 were not as deep as they had been in the past. They said
2 that prospective applicants had concern about the physician
3 payment reductions that they thought might be coming down
4 the pike, and also concern about whether the drug-eluding
5 stents were going to be reclassified in a higher paying DRG.
6 Both of those issues have been subsequently resolved but in
7 the interim, before they were resolved, all interest in
8 participating in that round of the demonstration dissipated,
9 so to date there are no immediate plans anyway to continue
10 with that demonstration concept.

11 Although there is a related demonstration that has
12 been announced by the Secretary but has not been approved by
13 OMB, and this was in response to an unsolicited proposal by
14 some hospitals in Virginia, the Virginia cardiac surgery
15 initiative. In this demonstration that they are
16 contemplating it would be paying the bundled payment but
17 there would not be the same kind of quality requirements, in
18 particular, the volume of services that were evident in the
19 bypass demonstration and planned for in the provider
20 partnerships demonstration.

21 So given the significant investment in
22 infrastructure of both demonstrations and the initial

1 success each has had in preserving quality while reducing
2 costs for beneficiaries in the program, commissioners may
3 want to consider recommending that these demonstrations be
4 continued. The DME, you may want to recommend that at a
5 minimum the sites be continued in their current locations,
6 or you could suggest that they be expanded to other sites.
7 And there's certainly the notion that there could be a
8 national option also.

9 Staff plan to give further thought and analysis as
10 to how expansion may best be pursued for the April meeting.
11 In particular, Sharon is looking at measures of local
12 markets competitiveness for DME and we'll present those
13 results at the next meeting.

14 Reasons for not recommending continuation is a
15 belief that the isolated incidents of compromised quality
16 and access are severe enough from this demonstration to
17 warrant termination of the demo and resumption of the higher
18 payment rates.

19 You may also be concerned, and I know this was
20 mentioned back in September about the magnitude of
21 administrative costs. The cost of administering the DME
22 demo as reported in the second evaluation that has come out

1 subsequent to our last meeting was estimated to be about
2 \$4.8 million, while the savings of the demo amounted to \$8.5
3 million. So more than half of the savings in this demo were
4 offset by the administrative expense. But the evaluators
5 are quick to note that the fixed costs would be defrayed
6 over more sites and could increase the return substantially.

7 Another point to keep in mind is that we are still
8 waiting for the last part of the evaluation on this demo
9 that is due later this year.

10 As a parallel point, you may want to consider
11 recommending that the Secretary continue to test the concept
12 of paying a discounted bundled payment as a means of
13 promoting cost effective delivery of high-quality care.

14 So we are interested in hearing your thoughts on
15 the direction of this draft paper/chapter and the potential
16 recommendations. Then we would become your thoughts on
17 potential future research issues. One thing that's
18 certainly on our mind is getting a better handle on the
19 experience of other purchasers in using these type of
20 approaches; whether they're using them now, have used them
21 in the past, what's been the evolution. That could help
22 inform our thoughts on this also.

1 MS. DePARLE: Anne, thank you for an excellent
2 report. This is an area where I think that MedPAC could
3 really play an important role. I think that if you walk
4 around Washington, everyone says that to the extent that
5 people are still supportive of fee-for-service Medicare, we
6 have to get away from administered pricing. These are the
7 demonstrations that have been done to try to figure out how
8 to do that. I think that the research I've seen and what
9 Anne presented today convinces me that they are moving in
10 the right provide direction. But it has been extremely
11 difficult.

12 I think if we talk to Senator Durenberger's former
13 colleagues, there were only a handful who really have kept
14 the faith on this and kept pushing it even though everyone
15 says, this is the direction we want to go. It's one of
16 those, not in my backyard, it's a classic not in my backyard
17 issue. So I would urge us to be supportive of this and try
18 to help both the Congress and the agency to move in this
19 direction and to do more here, because we will never see how
20 Medicare can move beyond administered pricing unless can do
21 a better job of trying these things out. As I said, I think
22 they've shown that they can be successful.

1 MR. HACKBARTH: Anne, did you say that there's one
2 more evaluation report due on the DME demo? When is that
3 due?

4 MS. MUTTI: It's required to be six months after
5 the completion of the demo, but I think it's not unlikely
6 that it might slip a little bit. So that would be in six
7 months, or actually less, in four or so.

8 DR. REISCHAUER: Is that covering only San Antonio
9 or is it covering both of them, Polk and San Antonio

10 MS. CHENG: The third evaluation would revisit
11 Polk. Especially they'd like to do some more investigation
12 of how Polk compares to the county -- they have Brevard
13 County and they've done similar surveys of beneficiaries to
14 see what the impact of access and quality has been. So they
15 have a comparison county. So they will explore some more
16 differences and similarities between Polk and Brevard. The
17 third report will focus on San Antonio, and do the first
18 round of those surveys and find out how San Antonio compared
19 to its comparison counties.

20 MR. HACKBARTH: I guess my off-the-cuff reaction
21 is that it's appropriate to wait for the final evaluation to
22 come in. But if it's consistent with the findings to date,

1 then just to recommend extension of the same demos seems
2 inappropriate. We'd be falling back into the S-HMO model,
3 let's have perpetual demonstrations.

4 If the results are as we've heard so far, then we
5 ought to be moving towards implementation and not towards
6 continued demonstrations.

7 MS. DePARLE: That's what I meant to say. But at
8 this point there isn't even support for moving forward with
9 the demonstrations it seems, or at least there's certainly
10 not enthusiastic support for it.

11 DR. REISCHAUER: I'm very sympathetic with that
12 conclusion, but at the same time I wonder whether Polk
13 County, Florida and San Antonio are representative of all of
14 the environments one might find. I defer to whatever it is,
15 Big Bear Lake --

16 DR. WAKEFIELD: Devil's Lake.

17 DR. REISCHAUER: Devil's Lake, excuse me -- might
18 be a little different as might New York City. When we do
19 our analysis I think that's one of the questions we should
20 ask which is, do we know enough to pull the trigger and say,
21 let's go nationwide on this? I'm sympathetic to doing that
22 if the results come out as they do.

1 The other thing I'd like to know is whether we
2 really have enough information from these demonstrations for
3 the Congressional Budget Office to do a good cost estimate
4 of this? Your description of implementation, administrative
5 costs, which I really was an issue I threw onto the table in
6 the past, is a very important one. Getting some kind of
7 idea about what the scale of that would be if you went
8 nationwide, I would think you could do it a lot more
9 efficiently on a per whatever it is basis than just doing it
10 in two counties. To the extent that something like this can
11 overcome the natural political obstacles, it's going to be
12 because somebody makes the proposal and the Congressional
13 Budget Office estimates that you can save \$11.6 billion over
14 the next 10 years and Congress is desperately looking for
15 ways to save money within the Medicare program without
16 disadvantaging beneficiaries.

17 MR. HACKBARTH: Other comments?

18 The evaluations, I assume will address what the
19 necessary market characteristics are to make this concept
20 work. I vaguely recall that was part of the earlier
21 evaluation.

22 MS. CHENG: They certainly did try to get a sense

1 of how competitive the market already was in the
2 demonstration areas, to get a sense of how competitive it
3 was for various lines of DME. One thing to remember about
4 this benefit is that providers who may compete in one line,
5 oxygen supplies, may in fact not compete in hospital beds or
6 wheelchairs. So there are several different things to
7 consider if you're going to competitively bid DME, about how
8 to measure the relative competitiveness of a market, and
9 they have looked at that.

10 One of the things that we hope to be able to bring
11 you too is also a first cut at a description of DME markets
12 across the country. We're going to try to look at some
13 other MSAs and some statewide rural areas. It's going to
14 real initial, but also to see how many counties look like
15 Polk and how many MSAs look like San Antonio.

16 MS. MUTTI: At least initially they had hoped to
17 do a rural site for the demonstration. That hasn't
18 happened, so I think they're limited in some ways in
19 evaluating the experience that they've had in the two sites
20 that they have. I don't know how far they can take that and
21 comment about how it would work in different markets.

22 MR. HACKBARTH: I'm trying to think of precedence.

1 I'm not talking about demonstrations but within the actual
2 operation of the program where we've selectively implemented
3 a change in methodology like this one and say, in particular
4 circumstances, particular market conditions, we can handle
5 something differently than we might in, say, a rural area
6 where there's less competition. I guess I can't think of
7 any examples of that off the top of head.

8 MS. DePARLE: I guess it's usually characterized
9 as a demo when they do that. I know the PPOs demos they're
10 now doing it's pretty big. They've chosen certain areas of
11 the country. I don't know whether they have the authority
12 to do it that way or not.

13 This will need congressional ascent, buy-in --
14 Joe, that should be my word, not yours. But it's going to
15 need that. In any event, they're going to have to work with
16 the Congress and they might as well get some sort of
17 legislative authority. But I think we can help support the
18 effort.

19 MR. HACKBARTH: This is perhaps another example of
20 people have talked about how Medicare needs to operate more
21 like private payers and needs the legislative authority, CMS
22 needs the authority to distinguish among different

1 situations and say, this will work in place A. It may not
2 work in place B. But there's no reason why we should
3 overpay everywhere because this idea won't work in every
4 single market.

5 MS. DePARLE: Right. There might be some markets
6 -- I know I've seen some research on this. I wonder if it
7 was a GAO report. Do you all remember having seen a GAO
8 report on this that evaluated maybe Polk County? Anyway, I
9 think they did some work on looking at the markets. I know
10 CMS, in fact Lu Zawistowich when she was there, in respect
11 to the competitive pricing demos for managed care, they did
12 exhaustive market analysis, perhaps more focused on managed
13 care plans. But in any event, there's a lot of that
14 available. I don't think anyone thinks that you can do the
15 very same thing in every area, so there will have to be some
16 more flexibility here. But the problem is what you said,
17 Glenn, there's been a lot of talk, but that's all it gets is
18 lip service.

19 DR. NEWHOUSE: I'd like to raise a new front.
20 Should we be talking about the possibility of competition in
21 lab, and conceivably, some degree in radiology as films can
22 be digitized and sent around?

1 MR. HACKBARTH: As potential demonstration areas?

2 DR. NEWHOUSE: Yes.

3 DR. REISCHAUER: Anybody have a handle on what
4 Medicare reimbursement for a lab test is relative to what
5 private payers do? If you look at the lab, the growth of
6 lab services it's very, very low. The methodology that
7 we've used to update --

8 MS. DePARLE: I think it is lower than private
9 payers, and they're doing a negotiated rulemaking I think
10 right now on this.

11 DR. REISCHAUER: That's what I suspected. I
12 thought, go to competition and raise the price?

13 MS. DePARLE: Maybe we're not paying enough.
14 There are those situation too. I wouldn't say that about
15 labs necessarily.

16 DR. ROWE: I need to make sure I'm here at the
17 beginning of these meetings. With respect to radiology and
18 the digitization comment, the capacity to do that is related
19 to IT systems called PACs basically, which are expensive,
20 very, very effective, very impressive capacities. You
21 basically have a filmless radiology lab and you can move the
22 images around. A physician in his or her office who sends a

1 patient for an x-ray will get the x-ray on their computer in
2 their office in addition to a note from the radiologist, et
3 cetera.

4 But it's a little bit like computerized physician
5 order entry. That is, for any given film or any given
6 examination the cost may be very limited but there's a big
7 capital expense for the hospital to go and put this in. So
8 I would think that for us to pay more for systems like that
9 on a per-exam basis would probably not be that helpful to
10 hospitals because they would have a big upfront capital
11 investment and they wouldn't trust that Medicare wouldn't
12 reduce the rate later and they couldn't recover their
13 capital investment.

14 So from that point of view I think that's probably
15 a different -- that may be one of the things Mary mentioned
16 earlier, we're prodding people to do the right things and
17 with the GME money or something maybe that's something we
18 could do there. I don't know if it reduces errors but it
19 certainly is more efficient.

20 MR. MULLER: It's also contained inside the DRG
21 for an awful lot of the Medicare activity.

22 DR. NEWHOUSE: But the DRG is an administered

1 price.

2 MR. MULLER: But then you'd have to move that
3 whole price around that component.

4 MS. MUTTI: We'd be happy at the next meeting to
5 come back to you with a little more information, especially
6 on the lab idea.

7 DR. NEWHOUSE: It may be a cockamamie idea. I
8 just wanted to raise it. If it gets shot down, that's fine.

9 MS. MUTTI: Certainly some thought has been put
10 into it already.

11 MR. HACKBARTH: In terms of our recommendations
12 that we'll take up in April, one approach would be to have a
13 conceptual recommendation that endorses the concept of
14 competitive bidding and in the text we could say, examples
15 that may be explored for future demos are A, B, and C. Then
16 a second recommendation that is specific to DME and what we
17 think ought to be done there. There we may even wish to
18 wait for the final evaluation before we make a formal
19 recommendation.

20 MR. MULLER: I'd just make a similar point. I
21 think, as Anne's presentation indicated, this has been --
22 and Nancy-Ann's comments -- this has been a long time coming

1 and it's moved very slowly. Doing this on products like DME
2 or on drugs and so forth that can be seen as discrete
3 products it's probably a little easier than something that's
4 integrated into the pattern of care like radiology where you
5 -- and especially in light of HIPAA, you don't even want to
6 start thinking about all the consequences of trying to
7 figure out how to take digitized images out of one care
8 setting to another and getting consent and so on. So I
9 think I would continue to focus on more discrete products
10 that are not as integral to the care process as things like
11 radiology exams, and certainly DME fits into that.

12 You talk about politics. You probably get into
13 the politics of drugs even -- take Bob's comments and put an
14 exponential function on them. But those are things that are
15 probably easier to think about competitive bidding on than
16 things that are so cohesive to the process.

17 MR. HACKBARTH: The potential political problems
18 are very real and daunting, although it seems to me that
19 part of our function is that bad we are to be guided not by
20 the potential political problems but rather say, this is a
21 wise, prudent direction for the program to move. It reduces
22 costs, enhances quality, whatever. There are other people

1 paid to worry about the political problems. I don't want to
2 sound hopelessly naive in saying that, but I don't think we
3 ought to be saying, we can't do this because it's just
4 politically too difficult. That's a judgment for the people
5 to make.

6 MR. MULLER: I agree with that. I'm just saying
7 if you use a kind of criteria, where is that a lot of money,
8 what's discrete products? I mean, pharmaceuticals are a
9 good place to look, and that's all I'm saying.

10 MR. HACKBARTH: My comment wasn't specifically
11 about radiology. I agree with the points you made there, in
12 fact. But I don't want us to get hung up too much on the
13 politics.

14 DR. MILLER: Can I just say one thing? Anne, what
15 I am taking away from this is, in our agenda as we think
16 about alternatives to administered pricing I'm hearing some
17 interest in exploring labs, radiology, you've brought up
18 drugs. I just want to make sure that for the next meeting,
19 I'm not going to promise that we're going to have labs wired
20 out to present here.

21 MS. MUTTI: Right, especially not in a paper.

22 DR. MILLER: But I hear an agenda and as we hit

1 the summer you may see some of this work that you're asking
2 for here. I just think to hit the next meeting and the June
3 report it would be a little tough.

4 MR. HACKBARTH: To be real specific on DME, my
5 inclination, as I said is that we ought to be moving towards
6 implementation. I do think that any recommendation we made
7 in that direction will have more force if we wait for the
8 final evaluation of the demonstration. So if that means we
9 don't have a recommendation in the June report, so be it.

10 Thank you. We need to move on.

11 Our last item is the payment method for Medicare
12 covered outpatient drugs.

13 DR. SOKOLOVSKY: Good morning. In your briefing
14 materials I gave you a draft chapter on this subject for the
15 June report. There are a lot of holes in it as I'm sure you
16 all saw. I'm going to try to focus in my presentation on
17 some of the issues that I haven't talked about in
18 presentations before, but I'm looking for and hoping for
19 your suggestions and comments on the whole draft.

20 The way the chapter is structured right now, the
21 beginning will talk about what drugs are covered, what the
22 expenditures are, coverage policy, and trends. Then the

1 focus will move to payment policy and problems with the
2 current payment system. We'll talk about payment methods
3 used by other payers and then we'll evaluate some of the
4 alternatives to the current system that are being discussed
5 both on the Hill and outside the Hill.

6 Much of this I've discussed before. Program
7 spending in 2001 totalled close to \$6.4 billion. In
8 Medicare terms, compared to hospital spending and physician
9 spending this may seem still like a small amount of money.
10 But if you benchmark it against, for example, the amount of
11 federal dollars that went into the SCHIP program in 2001
12 it's more than twice that amount. This \$6.4 billion does
13 not include drugs paid for in the outpatient departments of
14 hospitals or in dialysis facilities. Dialysis facilities
15 alone were another \$2 billion in 2001 and there were about
16 \$1.2 billion in pass-through drugs and separately billable
17 drugs that went through the outpatient department. That
18 would include blood products but would not include drugs
19 that were bundled as part of other APCs.

20 These rapid growth trends that we see, for the
21 last three years over 20 percent a year, are not only about
22 AWP and the price of drugs, they're also about volume

1 increases and they're about new and more expensive drugs
2 replacing older therapies. For example, of the top 20 drugs
3 covered by Medicare in 2001, seven received FDA approval in
4 1996 or later.

5 Here you see the top 10 drugs by expenditures
6 covered in 2001. Just a few things to note here, these 10
7 drugs alone accounted for about 60 percent of all Part B
8 drug expenditures. Seven of them are related to cancer,
9 either chemotherapy agents or treating the side effects of
10 chemotherapy. One thing you might want to notice,
11 erythropoietin has moved to the top here. It accounts for
12 more than 12 percent of all Part B drug spending. It's now
13 one of the highest growing drugs in the United States,
14 including all drugs, not just Part B drugs. If you turn on
15 the television, if you've had any chance recently, you'll
16 see more and more commercials of the grandfather playing
17 with his children and saying, even though I have cancer,
18 chemotherapy doesn't get me down because I have EPO.

19 The chapter talks about, and we have talked about
20 here, a number of problems with the current payment system,
21 but there are three problems that really are the basis of
22 the chapter and the three problems that I think about most

1 important. One is that payment based on AWP overstate
2 provider acquisition costs for drugs.

3 Secondly, the payment system actually provides
4 incentives for higher prices for the Medicare program.

5 And thirdly, these high drug prices are used to
6 subsidize payments for drug administration that may well be
7 too low.

8 I'd like to briefly look at each one of these
9 issues. In its 2001 report the GAO found that catalogue
10 prices for drugs covered by Part B were widely available to
11 providers at prices that ranged from 13 percent to 86
12 percent below AWP. Most importantly, there's no clear
13 relationship between what Medicare pays for drugs and the
14 market price of a drug. The most typical discounts are
15 between 13 percent and 34 percent of AWP. These discounts,
16 again, do not include the rebates and other discounts that
17 are widely available to providers but are not public and
18 therefore the GAO could not count.

19 Here we come to the second problem, that the
20 differences between AWP and acquisition costs are higher for
21 products that are available from more than one source. In
22 fact the way this payment system is set up, competition

1 leads to higher prices. Average prices for albuteral and
2 ipratropium bromide, these are two widely used drugs that
3 are used with DME for respiratory conditions, in fact they
4 represent 88 percent of pharmacy supplier claims for drugs.
5 They're available at 85 percent and 78 percent less than
6 AWP. If you
7 go back to that top 10 list of drugs you'll see that those
8 are the fifth most and third most billed drugs for Medicare.

9 Then when you have drugs that are single source
10 drugs but that there has been a lot of consensus in the
11 clinical area that they are about equally effective, you get
12 even higher spreads because these are more expensive drugs.
13 So you have the case of leupron and Zolodex where companies
14 went beyond raising the spread, the market price, and the
15 AWP to actually providing worksheet teaching providers how
16 to bill Medicare for free samples of drugs. This was
17 something that everybody agrees is illegal and in fact the
18 makers of leupron have paid \$875 billion to resolve criminal
19 and civil cases with the government. There are ongoing
20 cases in a great many states for both of these products.
21 Here, these two drugs are the second and fourth highest
22 grossing drugs of any drugs covered by Part B.

1 I wanted to show this a little bit graphically. I
2 think there were some requests for this at the next meeting.
3 These do not represent actual drugs. These are just
4 hypothetical cases. You take a drug with an AWP of \$150 --
5 not an unusual price. Medicare would reimburse for that
6 drug at 95 percent of AWP which would be \$142.50. If you
7 take the typical discount found by GAO which would be about
8 23 percent, the provider would pay \$115.50 for that drug and
9 the resulting profit for the provider would be the Medicare
10 payment of 142.50 minus the provider cost of 115.50 or \$27.

11 Then you move to a case where in fact the spread
12 is much higher, where there is more competition for the
13 drugs so AWP's have gone up, provider costs have remained
14 pretty much the same, Medicare continues to reimburse
15 providers at the price of 95 percent of AWP. In the case of
16 a drug for \$150, that would be \$142.50. The provider cost
17 based on this discount of AWP minus 86 percent would be \$21.
18 Again subtracting the provider cost from the Medicare cost
19 you get a total of \$121.50. The beneficiary copay in this
20 instance would have been \$28.50, more than the cost to the
21 provider for that particular drug.

22 It's real important to note here that although the

1 spreads for generic drugs tend to be higher, they tend to
2 have these 86 percent, 78 percent spreads, single source
3 drugs are more expensive in general and so a much smaller
4 spread may represent more extra money in dollars. Again, in
5 terms of my presentation last month, this is not a Medicare
6 issue alone. MedPAC's survey of health plans found that
7 most of the large plans we surveyed were paying on the basis
8 of AWP, and paying as much or more than Medicare for these
9 particular drugs.

10 I'd like to move on to the third issue and this is
11 an issue that makes it very difficult to resolve the other
12 two issues because they have to be handled together I think,
13 which is that there is a lot of evidence developing that
14 high cost of drugs are being used to subsidize costs for
15 drug administration that may be too low. To understand this
16 we need to look at the components of practice expenses.
17 Just to briefly remind everybody, practice expenses include
18 the cost for paying non-physician staff, rent and utilities,
19 equipment, and supplies.

20 Although there are a number of issues related to
21 Medicare underpaying for drug administration, the most
22 widely discussed, most difficult issue is the issue of

1 underpayments for the administration of chemotherapy. This
2 issue is based on problems of data and the way in which the
3 practice expense component of the physician fee schedule
4 works in relationship to chemotherapy.

5 If we look at what parts of practice expenses are
6 too low for chemotherapy, the first thing you want to look
7 at is supply expenses. When the original survey was done by
8 CMS to figure out the pool of practice expenses for
9 oncologists, the supply expenses included the cost of drugs.
10 There was general agreement that since physicians were
11 billing separately for the ,drugs you had to take the drugs
12 out of the supply number, but that didn't leave them with
13 enough information to tell them what the supply pool should
14 look like. So they used the average pool of supplies for
15 all physicians. There are reasons to believe that
16 oncologists who are providing chemotherapy in their offices
17 have higher supply expenses than the average pool. This is
18 not included. So that's one problem.

19 The larger problem, or certainly equal problem is
20 that there are problems with the way in which CMS allocates
21 indirect expenses for work that's done by non-physician
22 staff. This is a problem that's not unique to oncologists

1 but is particularly important in the question of
2 chemotherapy. Although more than 80 percent of chemotherapy
3 is performed in what Medicare classifies as physician
4 offices, physicians don't generally administer chemotherapy.
5 Chemotherapy is one of a group of services that are
6 performed by nurses and other clinicians. While most
7 specialties have only a small share of services billed by
8 physicians but performed by others, the mix of services
9 billed by oncologists can be provided by non-physician as
10 much as half the time. So this pool is a really big issue.

11 When CMS tried to figure out this component they
12 did a survey in 1998, only 34 oncologists responded to the
13 CMS survey and these 34 oncologists did not accurately
14 reflect the mix of oncology practices. They were
15 disproportionately in practices that didn't give
16 chemotherapy in offices so they didn't have the direct
17 expenses of nursing, of supplies, and of equipment.

18 The GAO was asked to do a report trying to figure
19 out were there problems with the practice expense component
20 for chemotherapy and what would it take to fix it. In 2001
21 their report was issued and they estimated that it would
22 cost approximately \$50 million to fix it. The CMS

1 administrator in testimony before the House Ways and Means
2 Committee in October also said that CMS estimated it would
3 cost a little bit more than \$50 million to fix the
4 underestimation of practice costs.

5 Even if we agreed on the \$50 million number -- and
6 I have to say that this 50 million number is very, very
7 controversial -- it would still be very difficult to fix
8 because practice expenses would be fixed in terms --
9 administratively it would be fixed in a way that was budget
10 neutral, and that would affect the payments for other
11 specialties. Radiation oncologists, for example, would lose
12 money if a drug administration pool for practice expenses
13 was fixed administratively.

14 In addition, other specialties would say and in
15 fact some of them already have said, that their practice
16 expense pool is also underestimated. Rheumatologist, for
17 example, have said that they have the same sorts of issues
18 with the way practice expenses are calculated and simply to
19 fix this issue for oncologists would not be fair.

20 Thirdly, the oncologists dispute the \$50 million
21 number. They say they have more nonbillable activities;
22 things that include patient monitoring. They say that

1 Medicare patients are more expensive to treat than other
2 cancer patients, and that their current expenses are
3 considerably higher than the 1998 survey would suggest
4 because of changes in the way chemotherapy is delivered.

5 As the CMS agreed and as other specialties can
6 also do, ASCO did another survey to get a different pool for
7 practice expenses for oncologists. They submitted this
8 survey to CMS. CMS gave it to the Lewin Group for an
9 independent analysis. The Lewin Group had serious concerns
10 with the data. The data showed, according to their
11 analysis, extraordinarily high clerical and clinical staff
12 expenses and a more than 300 percent increase in other
13 expenses compared to the 1998 survey.

14 For example, analysis of the survey showed that
15 compensation would average \$71,000 for clinical staff and
16 more than \$87,000 for clerical staff in oncologists'
17 offices. As Lewin reported, that's about 400 percent above
18 the BLS figures for that category of worker.

19 So in the December physician fee schedule, CMS did
20 not accept this survey but discussions between CMS and ASCO
21 continue and it's not clear how this will eventually be
22 resolved.

1 In terms of our chapter, some of the ongoing
2 research that we hope to have available for the June
3 chapter, one of them is we're looking at the components of
4 expenditure growth in this area. We want to know to what
5 extent price, the new mix of drugs, more beneficiaries
6 taking drugs, and for beneficiaries who are taking drugs,
7 taking more drugs than they used to take, to what extent
8 these components add to the volume growth, add to the
9 expenditure growth that we see.

10 We're also studying drugs in the pipeline, those
11 likely to receive FDA approval in the next five years. Our
12 goal here is to understand the extent to which those drugs
13 would be covered under Part B under current coverage rules.
14 What conditions do they treat? An increasing number of
15 drugs and biologicals are being developed that would be
16 administered incident to physician services. To the extent
17 that these drugs may include conditions more prevalent than
18 cancer, for example, congestive heart failure, the spending
19 trends that we've already reported may actually increase
20 rapidly.

21 The third kind of research that we're working on
22 now is a series of structured interviews to understand the

1 different ways in which physician-administered drugs are
2 purchased, distributed, and paid for in the private market.
3 Do insurers or physicians determine from which sources
4 physicians will purchase drugs? Who does the purchasing?
5 Do physicians purchase any services along with the drugs?
6 Under the selective contracting arrangements that some plans
7 have begun, what happens to inventories? If a physician is
8 in more than one plan do they need to maintain separate
9 inventories with different contractors? These are the kind
10 of issues that nobody knows right now and we're hoping to be
11 able to shed some light on those issues.

12 We also want to know if any of the specialty
13 pharmacies and PBMs that have moved into this market in the
14 past few years use formularies and how that works.

15 Finally, our chapter will look at issues to
16 consider in reforming the system. We want to know whether
17 the proposed new method would affect beneficiary access,
18 affect site care? Would we create financial incentives that
19 would shift the site of services for one site to another
20 site based on financial considerations? Does this new
21 system, whatever the alternative might be, create new
22 administrative burdens? Does it affect the prescription

1 drug market?

2 For example, would changing the payment methods
3 affect what other purchasers including other public
4 purchasers like the VA and Medicaid, affect the prices that
5 they pay? Would the new system be equally effective for all
6 drugs? We can imagine one sort of system that would work
7 well for generic drugs but might not work for innovative,
8 single source drugs. And finally, does it require new
9 legislation?

10 That's the structure of the chapter and I'd very
11 much like to hear your comments and suggestions.

12 MR. HACKBARTH: Joan, as recently as 1992, as I
13 understand it from reading the chapter, Medicare paid based
14 on acquisition costs. So AWP came after that, payment on
15 AWP. Why was the switch made?

16 DR. SOKOLOVSKY: If you think about 1992, that was
17 the same time in which the physician fee schedule was also
18 being implemented and the idea was to get Medicare payments
19 off a charge-based system and onto some objective standards
20 for payments. Now when we say before 1992 that they paid
21 actual acquisition costs, I do not believe, and I should
22 look into this more carefully, but I'm pretty certain that

1 they were not paying invoice prices. It was more of a usual
2 and customary sense of what acquisition prices were.

3 MS. ROSENBLATT: Joan, this is a good chapter.
4 You hit on one of the administrative issues here and I don't
5 know too much about this but I think it's a bigger issue
6 than you made it to be. If I understand it correctly, and
7 I'm not saying that I do, the way this is billed is through
8 J codes, and it's not at the NDC level. HIPAA now has
9 standardized the J codes.

10 So it would seem to me that in order to get this
11 right you somehow need to move the NDC codes into the J
12 codes, and I see Ray nodding his head over there. So I just
13 think that whole coding thing, particularly with HIPAA, is a
14 bigger issue and it doesn't get the prominence it needs in
15 the chapter.

16 DR. SOKOLOVSKY: I do agree that it's a really big
17 issue. As I understand it, there's a certain kind of
18 exception here for the physician-administered drugs and the
19 J codes are not going away so quickly on that. But I'll
20 check more into that.

21 MS. ROSENBLATT: I guess what I'm saying is, it
22 sounds to me like the J codes need to be expanded somehow

1 into NDC type codes and HIPAA right now is preventing that
2 from happening. So HIPAA has made it a bigger issue than it
3 might have been in the past.

4 DR. ROWE: Thank you for this, Joan. I'm
5 delighted to see that we're continuing to focus on this, and
6 since our last discussion there's been more media attention
7 brought to this too. I remember a long article in the New
8 England Journal on this, and in the New York Times not long
9 ago.

10 I have a couple thoughts. One is, I'd like to see
11 more emphasis in the chapter not on what it costs Medicare
12 but what it costs Medicare beneficiaries. One of the most
13 egregious aspects of some of this is the fact that there are
14 copayments, that poor cancer-stricken Medicare beneficiaries
15 are paying very large amounts out-of-pocket in association
16 with the administration of these medications. It's just not
17 right. So I think we should at least -- because this sounds
18 like, what is Medicare paying and the patient is not
19 involved in the financial transaction, and that's not the
20 case, I believe, although I may be wrong. So we need more
21 emphasis on that to personalize this issue a little bit,
22 which has been the part of this that's always bothered me

1 the most.

2 The second is this thing you have on page 18 about
3 the Lewin Group's analysis suggests the data from ASCO
4 reflected 400 percent above the Bureau of Labor Statistics
5 estimates. I don't know what -- I mean, shouldn't they go
6 to jail or something? I mean, why are we bothering to do it
7 with them this way if this is the -- now the Lewin Group
8 analysis is not valid. I haven't read it. Maybe they're
9 wrong, et cetera. But there has to be some point at which
10 somebody is going to get upset about this. I don't know
11 what that threshold is but if these data are correct I think
12 we need another approach.

13 Maybe we need to get physicians out of this
14 business. If this is the kind of data we're going to get
15 from them -- I'm all for paying physicians the right amount
16 for the administrative costs of the medicine whether it's
17 \$50 million or whatever it is. Whatever it is, I'd pay the
18 right amount. Maybe we need a system whereby Medicare pays
19 for these drugs to a PBM or something, or specialty PBM and
20 we don't pay the physician for the drugs, and the physician
21 doesn't purchase the drugs and we just get the doctors out
22 of the pharmacy business and into the medical oncology

1 business. I would love to see a more detailed analysis of
2 that approach going forward.

3 DR. SOKOLOVSKY: I'm hoping that some of this
4 additional work will enable us to at least flesh that out.

5 DR. ROWE: Some of the health plans have specialty
6 PBMS. One I know very well has one, so I'm not -- so there
7 are models there where Medicare could do it, and then we
8 just get them out of this business.

9 DR. NEWHOUSE: I'm delighted we're doing work here
10 for all the reasons people have said. I think the general
11 thrust of continuing to pay 95 percent of AWP isn't
12 sustainable is a good thrust to take.

13 I wanted to make a couple of comments. One, the
14 right amount on practice cost is, at bottom, probably an
15 unanswerable question because of the allocation of cost to
16 specific things is ultimately arbitrary, although it's
17 clearly -- I'm prepared to believe that the current amount
18 is too low, having said that.

19 Secondly, on Alice's comment about coding. I'm
20 actually trying to work with claims data for these
21 procedures and the coding problem is even more complicated.
22 It's not always the J codes. The J codes, in fact I would

1 have said, are probably specific enough. That's not so much
2 the issue. The issue is that a lot of the claims, the drugs
3 are bundled with other services, so it's in fact not always
4 easy to tell what exactly was paid for the drug from the
5 claims. But I'm not sure that needs to get into the
6 chapter. But I do agree with Alice, and that's actually in
7 the chapter that there's a set of coding issues and that's
8 certainly true.

9 DR. REISCHAUER: Unfortunately, the two people
10 that might know the answer to my question have left. One of
11 the most interesting things in this chapter, Joan, was you
12 saying that many large health plans pay equal or more than
13 Medicare does. I'm wondering why, and is it because they
14 pay the oncologist also based on the Medicare payment
15 schedule, so the total bundled together is maybe more or
16 less right, or what's going on? Because they aren't
17 constrained the same way we are.

18 Joe's going to answer the question but let me
19 continue one more aspect of this, which is if the payments
20 to the oncologist is too low but the payment for the drug is
21 too high, by focusing on the coinsurance associated with the
22 drugs we're overstating really what the whole picture is

1 because the beneficiary also pays coinsurance on the
2 physician services. So it might be less of an egregious
3 burden, the total package of services, if we raised the
4 physician and lowered the drug component.

5 DR. NEWHOUSE: They're different orders of
6 magnitude here.

7 MR. HACKBARTH: You're talking about a \$50 million
8 increase on the physician side versus hundreds of millions
9 of dollars on the drug.

10 DR. REISCHAUER: If those are the numbers, right.

11 DR. NEWHOUSE: We're spending \$6 billion on all of
12 the drugs in total. I was going to say on the private side,
13 ultimately I don't have a really good answer for you but my
14 sense is that it historically on the smallish side, and
15 these percent increases have been going on there too, so now
16 it's gotten people's attention and things are starting to
17 change fairly quickly.

18 The other thing to say is that the private side
19 negotiates prices and in several places the oncologists have
20 a fair amount of market power. So the oncologists in a
21 local town may say, I won't contract with you unless you pay
22 me X percent of AWP where X could be considerably higher

1 than 95, which is I think one reason why Dykman is finding
2 what he's finding.

3 The other thing to say is -- maybe this was in the
4 chapter. I think it was -- that the private side frequently
5 paid for this under major medical and didn't put it through
6 the PBM. The major medical, it was a more passive
7 reimbursing I think than the PBM was.

8 DR. WOLTER: Just a couple things. Survey tactics
9 are somewhat interesting. It seems to me in this universe
10 there must be a focus group of reputable, cooperative
11 oncologists who could be convened to put us in a ballpark of
12 administrative costs. We'd certainly be happy to
13 participate, and I think that still leaves some ambiguity.
14 But it's surprising to me how much time we can spend on
15 these things and not have any idea what we're doing.

16 The second thing, I was really struck by the fact,
17 if I'm remembering what was in the chapter, that 72 percent
18 Medicare payments to oncologists are related to drugs. I'm
19 very, very concerned about the unbalanced incentive that
20 that creates. Whether that's our role to comment on or not,
21 I don't know. But I don't think that's a good thing in the
22 practice of medicine. We see this in other areas, whether

1 its investment in ambulatory surgery centers or carve-out
2 hospitals or whatever, but I think to focus on appropriate
3 payment for administrative time and clinical time and to
4 take that unbalanced payment away in terms of the cost of
5 the drug would, in my mind, be philosophically the right
6 direction to go. In that regard I would support Jack's
7 suggestion that maybe physicians ought not to be in this
8 business in the way that they are now.

9 Then lastly, this is another example also of where
10 payment is different in different sites. It's quite a bit
11 different now if you're an oncologist employed in a
12 university or a hospital-based system. Everything is
13 different than what we're talking about in this chapter. We
14 might want to comment on that because I think that could be
15 addressed as well.

16 MS. DePARLE: Joan, the paper was really good and
17 I think pulled together in one place a lot of important
18 information about this issue. One point you make in talking
19 about things that are available to be done about it is about
20 inherent reasonableness. I wondered if you know what the
21 status of that is at CMS and whether there's any chance that
22 that tool might be used here to address some of the most

1 egregious cases.

2 Secondly, you also talked about that -- it's on
3 this slide here -- looking at the various methods for might
4 be employed to develop a better way of paying for these
5 drugs. I saw one reference to use of competitive price as
6 in the Texas DME competitive bidding demo, and albuteral was
7 the specific example. But I did not see a reference to the
8 proposal that I think Chairman Thomas made, or at least I
9 don't recognize it here. So is that the same thing as his
10 proposal about using PBMs or private plans and letting them
11 acquire these drugs competitively or it is different? So
12 two questions.

13 DR. SOKOLOVSKY: Let me answer the easy one first,
14 the inherent reasonableness issue. The comment period
15 closed last month for the inherent reasonableness rule. I'm
16 hoping that by the next meeting I'll be able to have a sense
17 of where they're going now that the comment period has
18 closed. It specifically says that this can be used for
19 drugs. However, the administrator has said that that is not
20 a route that would be a very good route to use for that and
21 that he's hoping that it won't have to be used for that.

22 In terms of the competitive bidding issue, it's

1 easy for me to flesh out what it would look like in terms of
2 albuteral in the demonstration project. In order for me to
3 really flesh out the other piece, that's what started me on
4 the route of looking at, how is this working in the private
5 market? I think that Ways and Means is also trying to get
6 more detail before they actually have a proposal in hand.

7 MS. DePARLE: Because I've talked to some people
8 in the pharmaceutical community who argue that it would be
9 very difficult to do this because of the way that these
10 drugs are actually acquired. I'm not sure I understand it.
11 It certainly seems like this example from Texas worked well.
12 But I think you're right, that we have to understand the
13 various pieces of it to know how it could be deployed here.

14 MR. HACKBARTH: Other comments?

15 Just a quick thought, Joan, about the physician
16 piece of this. It sounds like there's general agreement
17 that if we do -- we have to fix the pieces concurrently, the
18 physician and the drug method; that there are legitimate
19 issues there, although the amount of money involved on the
20 physician side is dwarfed by the potential savings from the
21 drug change.

22 In your presentation you mentioned that one of the

1 issues that's been raised is that without legislation, if
2 you increase the administrative component for one then
3 you've got to do it budget neutral and reduce it for others.
4 Given, again, the potential savings it seems to me that the
5 obvious solution there is to do it legislatively and not
6 require the budget neutral adjustments with the other
7 administrative factors.

8 Then the next roadblock as I understand your
9 presentation was, there are rheumatologists and other
10 specialties that say, our administrative piece is too low
11 and you can't fix theirs without fixing ours. This is the
12 sort of stuff that really frustrates me. For whatever it's
13 worth, I wouldn't be deterred by that argument. They're no
14 better off by leaving this in place, but we know the
15 beneficiaries and the taxpayers are much worse off.

16 So I don't know whether it makes sense for us in
17 our chapter to address some of these arguments that are
18 being made against the proper fix. They seem nonsensical to
19 me on the face of it.

20 DR. SOKOLOVSKY: The way I've been thinking about
21 right now is that we don't have the resources to really have
22 an answer here and that the best I can do in this chapter is

1 to describe the state of play.

2 MR. HACKBARTH: Although I don't want to leave the
3 impression, you go through all these barriers that people
4 have raised as to why this is so complicated to fix.
5 They're paper barriers to me, if you really want to fix
6 this, and I think there are very compelling reasons to do
7 so. I don't want to add to the impression that -- there are
8 problems everywhere you look. All that's missing is the
9 will, I think.

10 Okay, I think we are done. We will have a brief -
11 - thank you, Joan. As always, a very good piece of work.
12 We'll have a brief public comment period.

13 MS. MENSCH: My name is Stephanie Mensch and I'll
14 from Advamed, the advanced medical technology association.
15 I would like to address the competitive bidding discussion.
16 We have some policy positions on this as the manufacturers
17 of medical devices and medical equipment that would be
18 covered under the demonstration or the competitive bidding
19 suggestion.

20 First, we have some materials, a policy position -
21 - we're opposed to competitive bidding and I'll leave that
22 for the staff to distribute to the commissioners. We oppose

1 it for a number of reasons, but one, you believe that it is
2 one form of getting away from administered pricing, but we
3 believe that it is still government-administered pricing,
4 especially the way the demonstrations are set up. We
5 believe that it will require the establishment of a large
6 infrastructure to manage it, and we think that it could
7 conceivably, based on a study that we had done on the House
8 provisions last year, it could add almost one-third more of
9 bureaucratic structure to CMS now. I'll leave that report
10 with you.

11 This is troublesome especially since CMS cannot
12 implement the appeals procedures, provisions that were put
13 into place by BIPA. They don't have the staff to do it, and
14 the Administration is talking about cutting back. So not
15 only will you be eliminating some appeals provisions that
16 some of these beneficiaries may need to have in place in
17 order to make sure that any movement forward into
18 competitive bidding is fair, but that we don't know how this
19 could be administered on a national level.

20 Another problem is that CMS, we believe that CMS's
21 evaluation of the demo overstates savings and understates
22 some of the problems with it. To give you an example, they

1 only looked at eight products in two states, and of those
2 eight products four products had problems that they would
3 admit to in their report. That was internal nutrition,
4 neurologic supplies, orthotic supplies, and oxygen, portable
5 liquid oxygen.

6 The other issue is that they talk about how there
7 might be a savings of 17 to 20 percent but they didn't
8 mention that the bids for urologic supplies went so low that
9 in the second round for Polk County they paid more than the
10 DME fee schedule in that area for the urologic supplies in
11 order to reinstate it so they could get the supplies to the
12 beneficiaries.

13 One other issue is that right now under the DME
14 fee schedule products compete on service and there is a
15 service component even with some of the most common or
16 discrete products that you can look at. Right now they
17 compete on service. Under competitive bidding where low
18 price is the goal they will only be competing on the price.
19 We're very concerned that service, which includes
20 maintenance, instructions to the beneficiary on how to use
21 it effectively will disappear, and there's some proof of
22 that in the two demonstration projects.

1 Finally, we think that based on the MSA size that
2 was under the House language there's some concerns that you
3 may find yourself doing two things. One, putting some small
4 businesses that are suppliers out of business, and also
5 affecting minorities in a larger way than others under the
6 program. For some products this could be a considerable
7 affect on minorities.

8 So thank you. We'll leave some materials with the
9 Commission staff.

10 MS. McILRATH: I'm Sharon McIlrath with the AMA.
11 I'll be brief, and we can perhaps provide you with some
12 additional information. I don't in anyway want to condone
13 the system that's out there now. I just want to point out,
14 Glenn, that if you do this legislatively as opposed to
15 administratively it will be scored in the law and regulation
16 section of the SGR so you'll still end up having a reduction
17 across all physician fee, because so long as the drugs are
18 included in the SGR, and they're growing five times as fast
19 or they were '96 through 2001, as the physician services,
20 they're already pulling the payments down. Once you put
21 this into the SGR and it gets scored you'll essentially have
22 the same effect as if you did it administratively and the

1 budget neutrality was applied because of the change in the
2 practice cost for administering the drug.

3 MS. FOSTER: My name is Sheila Foster and I'm with
4 ASCO. Because of the extensive conversation about the
5 Gallup data I felt compelled just to make a couple of brief
6 comments.

7 One is that this data is collected according to
8 very, very strict guidelines that are set out in regulation.
9 Those have all been followed, and in fact you can see that
10 in the Lewin report. Those regulations also determine how
11 aberrant data is treated. We have met with CMS about a
12 couple of the high values and have explained to them what we
13 think accounts for those high values. We've be happy to
14 talk with you further or share some of that information with
15 you.

16 MR. HACKBARTH: Okay, thank you, all. We'll see
17 you in April.

18 [Whereupon, at 11:53 a.m., the meeting was
19 adjourned.]

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