

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

FEDERAL TRADE COMMISSION

HEALTH CARE AND COMPETITION LAW

Wednesday, March 26, 2003

9: 15 a.m.

Federal Trade Commission
601 New Jersey Avenue, N.W.
Washington, D.C.

For The Record, Inc.
Waldorf, Maryland
(301) 870-8025

P R O C E E D I N G S

- - - - -

1
2
3 MR. HYMAN: Thank you all for coming to the
4 second set of the hearings held by the Federal Trade
5 Commission and the Department of Justice on health care
6 and competition law and policy. Over the next two and a
7 half days, we're going to consider a range of subjects
8 relating to hospitals and hospital competition. We're
9 going to start this morning with a roundtable that's
10 going to feature representatives from a variety of
11 hospitals, and I'll introduce the speakers for that
12 session momentarily.

13 I also wanted to mention a couple of other
14 things. First, later today, we're going to be
15 announcing the agenda for the April and May sessions
16 that we'll be holding in this room, and just to give you
17 a quick preview, April 23rd through 25th and May 7th
18 through 8th, we're going to be holding hearings on
19 health insurers and issues involving health insurers,
20 including monopoly and monopsony issues, and then later
21 in May, the 21st through the 23rd, and the 29th and
22 30th, we're going to be holding hearings on quality and
23 consumer information.

24 And similar to the hearings that we're holding
25 over the next two and a half days, this will include a

1 range of panels, speakers, lots of information
2 gathering, a somewhat similar format in the sense that
3 individuals can submit questions or comments for the
4 record within 45 days of the individual hearings being
5 held.

6 As previously announced, we're also going to be
7 holding hearings April 9th through the 11th on
8 hospital-related issues. The detailed schedule for that
9 will be released, I expect, tomorrow, that will include
10 a list of speakers and so on. In connection with that,
11 I wanted to mention that on the morning of the 11th, we
12 will be holding the session on Little Rock that was
13 previously cancelled due to inclement weather originally
14 scheduled for February the 28th. It will now be held
15 the morning of April the 11th. So, hearings the 9th
16 through the 11th.

17 And I also want to -- I'm David Hyman, I don't
18 know if I mentioned that at the start, at the Federal
19 Trade Commission, and Bill Berlin, who is sitting there
20 in the middle, is the Department of Justice
21 representative for this morning's set of hearings.
22 Bill, did you have anything that you wanted to add?

23 MR. BERLIN: I don't think that I do.

24 MR. HYMAN: Great. Okay, then, let me turn to
25 introducing our speakers for this morning. Our general

1 forum here is we're much more interested in what the
2 speakers have to say than in going through lengthy
3 introductions of them, which is why we've prepared this
4 lovely bound volume available outside, that contains a
5 page explaining everything that the individual speakers
6 have done, and it's a very impressive list. I commend
7 it to you, so I will just introduce people by names and
8 titles. We're going to go in alphabetical order. Two
9 of the speakers have PowerPoint and will be speaking
10 from up here. The others can speak here or sit down
11 entirely at their preference.

12 Then we're going to have approximately
13 ten-minute remarks from each of the speakers, following
14 which we'll have slightly longer remarks from several
15 economists about product markets for hospitals. We will
16 take a short break, and following that, there will be a
17 roundtable featuring as many of the hospital
18 representatives who can stay and the economists and also
19 a representative from the Federated Ambulatory Surgery
20 Association who will also speak briefly. The roundtable
21 will sort of address the issues that are covered across
22 the entirety of the morning's remarks.

23 So, our first speaker is Ralph K. Andrew, who is
24 the director of government affairs at New York Eye & Ear
25 Infirmary. Our second speaker will be David Morehead,

For The Record, Inc.
Waldorf, Maryland
(301) 870-8025

1 who is Senior Vice President and Chief Medical Officer
2 for OhioHealth. Our third speaker, and now I have to
3 figure out what comes next in the alphabet are -- is
4 Mike Ryan, who is Senior Vice President and General
5 Counsel of MedStar Health. Our fourth speaker will be
6 Lee Sacks, who is President of Advocate Health Care.
7 And our final speaker in the hospital roundtable will be
8 Denny Shelton, who is chairman and CEO of Triad
9 Hospitals, Inc. And so, with no further ado, Lee?

10 I'm sorry, Ralph.

11 MR. ANDREW: Thank you. Thank you, good
12 morning. I wanted to thank the Department of Justice
13 Antitrust Division and the FTC for holding these
14 hearings to learn more about health care, and the
15 competitive marketplace in which we function.

16 I've been fortunate to have had the opportunity
17 to work in a variety of settings related to both health
18 care policy and the delivery of inpatient/outpatient
19 care for the past 25 years. I spent four years only
20 blocks from here working on health policy on the Hill,
21 and then went to West Harlem for a very different kind
22 of experience in an outpatient ambulatory care facility,
23 and I spent 14 years as a small fish in a very large sea
24 at New York Presbyterian. And Crane's noted last month
25 that the New York Presbyterian system is now the largest

1 single employer in the entire metropolitan region with
2 over 30,000 employees, surpassing the banks and Wall
3 Street, which are usually so cited.

4 And finally, I have spent the last eight years
5 in a special care environment at the New York Eye & Ear
6 Infirmary on the lower east side of Manhattan. The
7 infirmary has been loosely affiliated with Continuum
8 Health Partners for the last three years.

9 The infirmary is a 183-year-old institution.
10 Its mission at that time when it was founded and today
11 is to treat the working poor on the lower east side of
12 Manhattan as a not-for-profit hospital for our named
13 specialties. It is the oldest continuously operating
14 specialty hospital in the United States, recognized in
15 U.S. News and World Report with others as one of the
16 foremost centers of excellence. And that's partly
17 because it is the largest provider of primary eye care
18 in the United States, and frankly we have the only eye
19 care trauma center that operates on a 24-hour basis in
20 the entire New York region.

21 That, however, doesn't really describe some of
22 the specialty work, as there are very specialized
23 clinics in tumors, retina, neurophthalmology,
24 orthoptics, glaucoma, diabetes, et cetera, and on the
25 otolaryngology side, these include facial pain,

1 neurophthalmology, neurotology and oral surgery. We
2 have the only head and neck cancer registry in the
3 United States.

4 Because of our specialized services, frankly, we
5 treat more severely ill patients who often have
6 comorbidities, and I will try and touch on that later.
7 I think it is fair to say that both outside and inside
8 the infirmary, the health care environment has changed
9 radically, just even in the last five years.

10 For example at the infirmary, we've gone from
11 over 5,000 discharges to fewer than 1,000, in less than
12 five years, and during that time, increased outpatient
13 activity so that we now have more than 150,000
14 outpatient visits a year, at least 11,000 of those in
15 the emergency department, and about 20,000 outpatient
16 surgeries a year.

17 A few years ago, you were in for a three to
18 five-day length of stay for a simple cataract operation,
19 today you are in, literally, for three to five hours.

20 I think to successfully run a New York City
21 hospital, especially, you have to adapt to the unique
22 local environment, and therefore I mention the
23 demographics of our local community on the lower east
24 side. It's 42 percent Hispanic in this case, 15 percent
25 African and Caribbean American, 4 percent Asian, 3

1 percent Russian and 36 percent other. I mention that
2 because we are an essential community provider by virtue
3 of our status of operating in a health personnel
4 shortage area, and frankly, we're proud of the
5 relationship with the community, because it's one of
6 mutual dependance.

7 What might that mean? That means that we need
8 to tailor our services to our local community, I think a
9 couple of examples of that would be our OLA service,
10 which is completely bicultural and bilingual speech and
11 hearing service, do thyroid screenings, because it's the
12 home of the largest number of Ukrainians in the United
13 States, for victims of the Chernobyl accident, and there
14 have been extraordinary instances of thyroid cancer as a
15 result of that, and frankly a recently funded NIH study
16 focuses on glaucoma in African-American populations, you
17 may know the incidence in African-American populations
18 is five times that of what it is in Caucasians.

19 Even the specialties end up having
20 community-directed and specific work. For example, the
21 retinopathies associated with greater incidence of
22 prematurity and multiple births, we treat their eye
23 diseases that are associated with obesity and diabetes.
24 In summary, we are wedded to our local community. It is
25 not that we would never want to pick up and move, but

1 frankly, we couldn't if we chose. And I think that
2 mobility factor is something that has to figure into
3 this equation. Fortunately, this is a very happy
4 marriage where we depend on them and they certainly,
5 heavily, depend on us.

6 I did want to look a little bit at some of the
7 global environment that I think has affected almost all
8 of my colleagues in recent years in terms of rise of
9 costs, which are largely beyond our control.
10 Professional liability premiums, about which you have
11 read so much recently, have literally doubled in two
12 years. And you have read that OB/GYN people can't even
13 get coverage and so many have dropped coverage and gone
14 to very limited practices.

15 Our liability insurance premiums are yet another
16 whole story. Since 9/11, and of course we're on the
17 lower east side of Manhattan, our premiums have
18 skyrocketed, they've increased over fourfold in one
19 year. And then there's the more global picture, too,
20 which is that, you know, the cost of blood is up 31
21 percent. Some of the discipline-specific issues that we
22 face are that, Visudine, which you may know treats
23 AIDS-related macular degeneration, where there are
24 popped vessels in the eye, now cost \$1,282 a vial, a
25 Medicare reimbursement is \$868. It's very hard to make

1 that up in volume.

2 Similarly, a cochlear implant, the kind which
3 Rush Limbaugh, frankly, made somewhat famous, is a
4 device that costs almost \$25,000 with a Medicare
5 reimbursement of \$15,000. These are problems that we
6 face during an era of rising costs. I think that the
7 labor costs which have gone up precipitously are related
8 in large measure to the shortages, which are suggested
9 on the screen.

10 It's very tough to upgrade in an environment
11 where 15 percent of maybe one out of every six nurse
12 positions are vacant, and similarly, the biggest single
13 problem for us has indeed been imaging technicians. I
14 mean, there's a situation where radiology technicians
15 have been going literally back and forth across town. A
16 group of eight moved, \$5,000 raise, came back to the
17 institution, another \$5,000 raise, and went back for a
18 third time across town. So, there is great mobility in
19 a profession with the kind of vacancy rate that we see.

20 I mentioned some general specific pharmaceutical
21 cost rises. Overall, this has been one of the largest
22 segments of the cost of health care increasing, and as
23 you can see, when you're doing 25 percent per annum, it
24 doesn't take very long to totally get a budget that's
25 out of whack.

For The Record, Inc.
Waldorf, Maryland
(301) 870-8025

1 I will talk about uncompensated care, but in the
2 global picture, I think the fact that we're delivering
3 as not-for-profit hospitals, \$22 billion a year, and
4 that's gone up even since 2000, says a lot about the
5 mission and the issues that we face.

6 Obviously, the access to capital has become
7 increasingly difficult. It's very troubling to see that
8 that ratio that there are 160-some, 180-some
9 institutions that have had their bond ratings downgraded
10 in the last three years, while only one-fifth that
11 number have had them upgraded. And frankly, we all face
12 pressures to invest in new technologies, that is part of
13 the business, the Eye and Ear Infirmary just yesterday
14 literally opened a new retina center, and it is
15 undeniable.

16 Some people say it's not really a medical arms
17 race, and I say it is, because our communities really
18 want the best that we have to offer, and nobody really
19 comes in and says, you know, I want that Lasik treatment
20 that's just a little bit cheaper that you did three
21 years ago, knowing that the new wave technology Lasik
22 stuff is much better, and frankly now it is
23 computer-driven, and so now there isn't even the
24 possibility of the same error of the surgeon's hand on
25 the scalpel. People look for that.

1 One of the main issues that we faced is
2 competition from niche providers, especially the
3 free-standing ambulatory service centers. Speaking of
4 mission, I mean, they have a different mission, and
5 certainly a different margin. It cannot be described
6 any other way as that they skim and cherry-pick on the
7 front end regarding both the finances of the patient.
8 They don't take Medicaid patients, they certainly don't
9 take charity cases, and medical conditions. The
10 comorbidities come to the hospitals.

11 So, the hospitals are left with patients with
12 greater acuity. MedPAC cited this, by the way, in its
13 report this month, the first week of March, and then on
14 the back end, of course, if a case goes south, they call
15 911 and say, we're sending this patient to the local
16 hospital.

17 Indeed, I think we have the frailest of the
18 frail, and the poorest of the poor. And in terms of
19 topics that are "Most Topical," disaster readiness has
20 been a huge issue for local community hospitals.
21 Whether it was the NBC, (nuclear biological chemical)
22 training, literally building decontamination units, or
23 whether it's the current, you know, crisis of the day,
24 be that anthrax or SARS, the severe acute respiratory
25 syndrome of the -- in the press this past week,

1 hospitals are the front line in the defense against
2 such.

3 And were a disaster to occur, and certainly you
4 have to ask the question, well, would the citizens run
5 to a 9:00 to 5:00, you know, a freestanding ambulatory
6 surgery center? Are there societal expectations that
7 they would do so? And frankly, you know, the answer to
8 all these questions is no, and yet if you substitute the
9 word hospital in that sentence, clearly the answer is
10 yes, yes, and yes.

11 I mean, I have to say, without too much
12 schmaltz, that it was an extraordinary experience to
13 live through the 9/11 disaster. We are in that section
14 of town, we had to close all services, the police
15 cordoned off the infirmary and north, so that only
16 emergency cases and corneal abrasions were treated by
17 literally for thousands of emergency workers, and, you
18 know, we closed down our operations and went for five
19 days on 24/7 at four different locations at the World
20 Trade Center site.

21 And so it is, indeed, distressing to pick up
22 this morning's paper and find out that yesterday on the
23 Hill, we're debating whether or not hospitals really
24 should be considered, you know, first line providers.
25 And, you know, the emergency service workers who bring

1 those patients to the hospital are, but not necessarily
2 the hospitals who spent all the dollars in readiness for
3 the disasters that we hope never come, or come again.

4 So, hospitals, to survive, have had to depend on
5 even government protection and/or subsidy in some cases.
6 Our revenue stream is to provide charity care and to
7 fulfill our mission which are being crowded out by the
8 not-for-profit niche providers, from Park Avenue and
9 physician offices, with increasing amount of surgery is
10 done, to the shopping malls, to keep our communities
11 healthy, we have to be viable as well.

12 The other sort of challenges facing hospitals, I
13 think in a global sense, include some reimbursement
14 cutbacks. I mean, just this past week, to pay for the
15 tax cut and everything else that's going on, there was a
16 budget resolution authorizing a \$93 billion, that's B,
17 cut in Medicaid over the next ten years, and this is
18 over and above all the state Medicaid cutbacks which you
19 have read about which are literally across the country.

20 So, in terms of payment and equities, I would
21 describe the differences between hospitals and
22 ambulatory surgery centers free standing, and yet for
23 many procedures, they receive up to 40 percent more
24 higher in Medicaid patients. An example being laser
25 surgery after cataracts.

1 So, the Office of the Inspector General of HHS
2 recently argued that they should pay at the lower rate,
3 I must say she has since resigned, but that, you know,
4 denies all of the quality and other differences between
5 surgical venues. It certainly is an issue to surgeons
6 and physicians who have spent their life in training to
7 be told by an insurance bureaucrat, or a Washington one,
8 where that patient should be treated and all of the
9 differences that exist in terms of coverage and
10 anesthesiology, where they have roving anesthesiologists
11 that are in and out after administering it as opposed to
12 a Medicare condition of participation where you have to
13 have that specialty present, as I believe it should be,
14 throughout the entire, including recovery, process for
15 the patient.

16 So, now we're finding that we're increasingly
17 threatened, both physicians and hospitals, by the
18 insurers. The health plans are flexing their muscles.
19 Not three weeks ago, most of our physicians received a
20 letter from a major now for-profit, after 40 years in
21 the not-for-profit business insurer, saying that your
22 contract is subject to termination in three weeks,
23 because you take too many of your patients to your local
24 community hospital and not enough to the ambulatory
25 surgery centers.

For The Record, Inc.
Waldorf, Maryland
(301) 870-8025

1 We believe that this violates contract law in
2 terms of the options that customers or consumers were
3 given when they signed up for their insurance, not to
4 mention the other issues of who should be making that
5 kind of decision for the physician's patient.

6 So, many hospitals are feeling under attack from
7 many fronts, and frankly, as a very small institution,
8 some of the HMOs have really ganged up on the hospitals,
9 bludgeoning us with, you know, the smaller entities with
10 very unfair pricing options, and I think that is one of
11 the issues that ought to be looked at by the groups
12 before which we speak today.

13 So, those insurers have been consistent in one
14 thing, their unwillingness to pay for public goods,
15 including emergency care, at cost, charity care and
16 physician training, and we're left to try with deficit
17 financing to pick that up.

18 So, on the one hand, while HMO profits soar, New
19 York hospitals have negative margins. At the infirmary,
20 we've had a negative margin ranging from 2 percent to 10
21 percent each of the last three years, and that's very
22 tough. But when your bottom line is continuous quality
23 improvement, and not profit, it makes us a very
24 different entity.

25 For example, I mean, we spend an awful lot of

1 time trying to analyze what goes on, what goes wrong,
2 and I think that adopting the failure mode laterality
3 analysis which came from the airline industry, which is
4 sort of a prospectus step-by-step what went wrong here,
5 has led us to some new procedures, and now just on the
6 laterality issue of getting and making sure on a
7 cataract, there are 12,000 done a year, I'm sorry, I
8 didn't see you, we have at least four different
9 professionals, you know, reviewing that, before there is
10 any surgery done. And I think we've all made great
11 strides in this industry to do that.

12 So, in summary, we provide care on a 24/7 basis,
13 we treat all who present for emergency care, via EMTALA
14 we care for sicker patients who are shunned by others,
15 and frankly, we comply with more extensive regulations
16 from the anesthesiology mentioned to the disaster
17 readiness. The JACHO, the joint commission, the most
18 well-known accreditation body, only six of 100 approved
19 ambulatory surgery centers in New York state are JACHO
20 accredited, and frankly we emphasize quality over the
21 bottom line.

22 So, we respectfully suggest that the playing
23 field could be more level, that we need comparable
24 quality standards for all surgical venues, payment
25 inequities need to be eliminated, and the work force

For The Record, Inc.
Waldorf, Maryland
(301) 870-8025

1 shortages, especially in nursing, need to be addressed,
2 and maybe even we should be able to join in our
3 physicians and for-profit ventures.

4 So, these are more than mere market
5 inefficiencies and imperfect market conditions that
6 occasionally may affect a car dealer or supermarket
7 chain, these are fundamental differences in mission and
8 community building. We're not asking for an antitrust
9 exemption like baseball has been granted or something
10 special like that, but we do want this, our special
11 conditions, to be considered in the backdrop of any
12 future analyses.

13 One hundred and ninety three of our brethren
14 have not made it in the last three years, as in they
15 have gone under, especially in rural areas. We hope
16 that we've seen the last of that. One Wall Street
17 person asked me recently if I was one of those special
18 interest lobbyists, and I think he was quite surprised
19 at the answer, I said "Yeah, I think it's very special
20 to advocate for health care for seniors and for the
21 economically disadvantaged."

22 So, we thank you for the opportunity today to
23 come here and learn a little bit more about our
24 industry, and we look forward to working with you in
25 trying to make these hearings and their outcomes a

1 success. Thank you.

2 (Applause.)

3 MR. MOREHEAD: Good morning. I'm Dave Morehead
4 from Columbus, Ohio. Our goal this morning obviously is
5 to describe or paint the picture of the current --
6 today's hospital market. From OhioHealth, I would like
7 to do that by describing for you who we are, what we've
8 done and tried to do, and the challenges we face.

9 Now, what I intend to do is to describe for you
10 a particular regional hospital network. Because of the
11 pastoral setting of Ohio, it's going to include both
12 urban and rural hospitals. The system is intended to
13 provide appropriate services at appropriate locations,
14 but at the same time, to reduce as much as possible the
15 inconvenience that is required when a patient cannot
16 receive the appropriate medical services in their home
17 community, and must, in fact, go to another site for
18 that care.

19 It is a system designed to serve the individual
20 patients, but also the communities where those
21 facilities are located. Let me begin by telling you who
22 we are. I'm going to design or outline for you the
23 framework or the infrastructure that exists. This is a
24 map of southern and central Ohio, where we're located.
25 This depicts the location of seven member hospitals and

1 six affiliated hospitals. It covers 46 counties in
2 southern and central Ohio, a land mass in our service
3 area of about 22,000 square miles.

4 Now, that land mass, in perspective, is about
5 the same size as the State of Rhode Island, or the State
6 of West Virginia, and for you international
7 cartographers, it's about the same size as Costa Rica
8 and slightly smaller than the country of Ireland. It's
9 a big area.

10 Now, we are made up, as you can see, of many
11 sized hospitals, hospitals that are eclectic in many
12 ways, that have a lot of different characteristics, a
13 high variation. For example, our flagship hospital
14 located in Columbus, Riverside Methodist Hospital,
15 45,000 admissions a year, with 1,000 beds. In 1999, it
16 experienced and posted the fifth largest number of
17 discharges of any hospital in the United States.

18 Contrast that to Doctors Hospital in
19 Nelsonville, less than a 1,000 admissions a year, a
20 50-bed, critical-access hospital. Considerable
21 difference.

22 We also have other variations in our offerings.
23 In terms of breadth, two of our seven member hospitals
24 are staffed predominantly by osteopathic physicians, and
25 five by allopathic physicians. Although some education

1 occurs at every hospital, from a medical standpoint, the
2 three hospitals in Columbus provide training for 350
3 residents and for over a 1,000 medical students who
4 rotate through our facilities on an annual basis.

5 And because, as you can suggest from the size
6 that I've already mentioned, in our urban area,
7 Riverside, the larger hospital, accommodates about 1.2
8 million citizens, whereas in Nelsonville, the smaller
9 hospital, 9,700 patients. Considerable variation in
10 what we do. And when we look at our model, it's much
11 like a universal or at least a comprehensive model,
12 because of all the activities and the facilities that we
13 provide. Now, we, like others, have responded to this
14 shift, and it is a legitimate and expected shift in the
15 provision of inpatient services to outpatient settings,
16 or ambulatory settings.

17 This is a map of Columbus, we have depicted the
18 little blue dots, which represent about 13 ambulatory
19 facilities strategically placed throughout Columbus
20 which provide the services to those persons who live
21 within each of those areas.

22 The 13 ambulatory centers represent about one
23 half of the ambulatory centers that are extant in
24 Columbus, and that number, roughly half, really is
25 consistent with the market share that we have earned in

1 Columbus.

2 Now, I described some numbers and some facts to
3 you, but that's not nearly important as what we're
4 trying to do; that is, what are we trying to accomplish
5 with a regional hospital network? And let me state it
6 again: We are attempting to develop a series of both
7 urban and rural hospitals which will serve the needs of
8 the community and the individual patients who live
9 there, allowing us to provide the services, appropriate
10 services, which are appropriate for that rural location,
11 but also to reduce as much as possible the inconvenience
12 and the hardship when a patient must leave a smaller
13 community and go to the big city for the care that's not
14 available locally.

15 Now, let me go in a little bit more detail,
16 because part of our network includes not only the urban,
17 but also its ambulatory facilities in urban areas and
18 the rural regional hospitals. In terms of our urban
19 capabilities, we have three primary hospitals located in
20 Columbus. Each of those hospitals provides community
21 services, but it also offers some special services.

22 One of our hospitals is a level one trauma
23 center, a truly fantastic operation. This group has led
24 the efforts to develop a true trauma network for the
25 state of Ohio. Riverside has developed an incredibly

1 robust heart cardiovascular center, and we are told that
2 they accomplish more heart casts and EP procedures than
3 any other hospital in the world. The osteopathic
4 hospital has been a referral site for osteopathic
5 physicians for over 40 years.

6 In terms of our urban ambulatory centers, some
7 of them are single service, some of them are multiple
8 services, and they provide such things as ambulatory
9 surgery, imaging, urgent care, rehabilitation, radiation
10 therapy. Again, the notion is to take the services
11 close to where the patients live.

12 And finally, our rural regional hospitals, and
13 that is a key. And the key is that the rural hospitals
14 provide the focus, it provides the capability for us to
15 continue communication and cooperation with the
16 communities themselves, but also the physicians that
17 practice there. We're able to take services to the
18 rural communities which are appropriate for those areas
19 as they are developed. And we're able to communicate
20 with them about what new services are available at the
21 regional referral centers.

22 Now, I know, and I recognize even as a
23 physician, who knows a little bit about antitrust, that
24 there's been a lot of concern from regulators'
25 standpoint about mergers and acquisitions. I want to

1 tell you two stories that have occurred in our system,
2 instances in which hospitals have had to be salvaged by
3 the system, hospitals that would have, in fact,
4 disintegrated had it not been for system input.

5 The first story I'm going to tell you begins
6 about 20 years ago. There were three disabled hospitals
7 in one community, two of those were days from
8 bankruptcy. They were going bankrupt because of some
9 imprudent investment in those days. The system came in,
10 it was embryonic system at that point, came in, made a
11 loan to those two hospitals, and over the next 15 years,
12 worked with the community in a very painful and a very
13 slow process of converting those three disabled
14 facilities to one very robust one, which today competes
15 not only with other hospitals in the area, but across
16 state lines as well.

17 Like proud parents, we are really pleased that
18 that hospital recently won the Ohio award for
19 excellence, the first hospital in Ohio to do that, and
20 also was surveyed recently during the Baldrige cycle.
21 They did not win; I predict they are going to win later.
22 It's a great hospital.

23 The second instance that I'm going to describe
24 for you is a foundering hospital 15 years ago in
25 downtown Columbus. Poor strategy, poor management,

1 unable to meet their financial obligations. The system
2 brought in a new management team. Over eight years,
3 that team turned their operations around, and in doing
4 so, it preserved a high-quality trauma center and
5 sustained an essential inner-city resource.

6 I might add, another inner city hospital, within
7 two miles of this one, has closed -- gone bankrupt.
8 They did not have any system associations.

9 Now, I make it sound or I'm trying to make it
10 sound very positive, and it is, but we also have a lot
11 of challenges, some that Ralph has already mentioned to
12 you. Personnel is -- they're hard to find, they're
13 expensive. The costs are escalating. Not only are
14 things expensive, new technology, but reimbursement is
15 always delayed compared to when the new technology is
16 available. We have drug eluting stents that are due out
17 in another couple of weeks. The reimbursement will not
18 be appropriate for quite some time, until that
19 happens...

20 Salaries, one hospital has offered or announced
21 a 30 percent raise for nurses over the next three years,
22 10 percent a year. That's really hard to live with.
23 Shrinking reimbursements, we're at death-hold
24 discussions with our largest managed care plan at the
25 moment. They don't want to pay us what it costs to

1 provide the care.

2 And many other kinds of challenges that we face.
3 Let me tell you the one, though, that really is giving
4 us a lot of trouble, and that is the relationships with
5 the physicians. Physicians are so stressed for these
6 same reasons that we have trouble, because they no
7 longer are able to volunteer two or three hours of their
8 time a week to do quality efforts, or to work on
9 committees. And, in fact, it's very, very difficult for
10 physicians now to survive. A lot of distrust, a lot of
11 difficulty with us doing the quality work that we need
12 to do.

13 So, what I've tried to do is to say, this is who
14 we are, this is what we've accomplished, and what our
15 intent is, it's not been easy. I don't want to whine,
16 but we have a lot of challenges that we need to do, and
17 we appreciate the opportunity of telling our story.
18 Thank you.

19 (Applause.)

20 MR. HYMAN: You can either sit there or come up
21 here as your preference.

22 MR. RYAN: I'll come up. Good morning. I feel
23 like I could do justice to this group by just saying
24 ditto from our first two speakers and sit down, because
25 they have presented accurately and passionately the

1 situation we're in in the health care industry.

2 I'm Mike Ryan. As you know from my
3 introduction, I'm general counsel for MedStar Health,
4 which is located in Columbia, Maryland, a small
5 community between Baltimore and Washington. That
6 preserves my right to say that I'm a small town country
7 lawyer, and it usually works well for me. So, you can
8 excuse the simplicity of my comments here today.

9 I've been fortunate enough to be a health care
10 lawyer for over 30 years, representing a small hospital
11 in Baltimore County, Maryland, and then through a series
12 of mergers, or actually consolidations, because there
13 never was an effective merger, to become in-house
14 counsel for a four-hospital system and then now a
15 seven-hospital system which spans the Baltimore-
16 Washington corridor.

17 We have three hospitals here in the District of
18 Columbia, we have four hospitals in Baltimore, and they
19 span a variety of types of hospitals. We have a
20 university hospital at Georgetown University. We have a
21 tertiary care center at Washington Hospital Center. We
22 have a specialization hospital, a specialty hospital at
23 National Rehab Hospital. We have four community
24 hospitals in Baltimore. We have teaching programs at
25 all seven hospitals, teaching over 900 residents a year.

For The Record, Inc.
Waldorf, Maryland
(301) 870-8025

1 We have all types of specialties within the system.

2 Ralph mentioned 9/11 in the instance in New York
3 and their involvement. If any of you saw a picture of
4 the burning Pentagon, on 9/11, with a helicopter in
5 front of it, that helicopter was a MedStar helicopter
6 which picked up and transported burn victims to
7 Washington Hospital Center. We're very proud of that
8 picture and what it represents as far as MedStar Health
9 is concerned and its involvement in the community and
10 particularly in regard to trauma.

11 The variety of our hospitals continues. We have
12 two Catholic hospitals in addition to the five lay
13 hospitals, so that adds another element to our variety
14 of things that we have in the system.

15 What I want to do is comment and supplement the
16 remarks of the first two speakers on some of our
17 observations in regard to the competitive marketplace in
18 which the hospitals provide their services. And I'm not
19 speaking about competition with other hospitals, I'm not
20 speaking in terms of competition with health insurers as
21 far as who's going to pay what rates, but competition
22 down on a level that really impacts on how we do our
23 business.

24 The elements have been mentioned before. I'm
25 going to talk about the labor market, I'm going to talk

1 about patients, and I'm going to talk about the
2 technology.

3 The labor market, in brief, everyone is aware of
4 the nursing shortage. I don't know if you understand
5 how critical that is. In some of our hospitals, we have
6 between 20 and 30 percent vacancies as our permanent
7 staff. We have to retain the services of contract
8 nurses on a daily basis. That means that we are
9 constantly involved in recruitment, we are constantly
10 involved in paying the additional premium that you pay
11 for contract nurses.

12 Earlier this year we had an opportunity to have
13 a brief meeting with Commissioner Leary, and we talked
14 at that meeting in terms of some of the relationships
15 between the health care industry and other industries,
16 and there were a couple of references that I thought
17 kind of piqued my imagination, and one was with regard
18 to baseball.

19 Imagine, if you will, that you were the owner or
20 manager of a baseball team that had to field a team for
21 games three times a day, 365 days a year, and you knew
22 that two or three of your players on every day at every
23 game was a free agent. A free agent on a daily basis
24 where you had to go in the marketplace and hire that
25 free agent to play that game that day, or that evening,

1 or that night.

2 That's the situation we're in with our nurses.
3 And the nurses are critical to the health care system.
4 They are -- if you've ever been in a hospital, they are
5 the players who provide the link between the patient,
6 between you, the patient, between myself, the patient,
7 and the rest of the health care team, the technicians,
8 and even the physicians, very often.

9 Critical that we understand that the shortage of
10 professionals, not only nurses, but also other
11 technicians, have a dramatic impact on the cost
12 structure of the hospitals today.

13 Our other important labor pool, and it was
14 mentioned by the last speaker, is the physicians.
15 Physicians are in a time of stress. They are stressed
16 by virtual declining reimbursement rates and increasing
17 expenses. And we in the hospitals rely upon the
18 physicians, obviously, for our patients, for the care of
19 our patients. We are required, as you know, under the
20 Emergency Medical Treatment and Act of Labor Act to
21 provide care for any patient who comes to our hospital
22 and asks for medical care. And we have to rely upon the
23 physicians to be there when we need them. Many of these
24 physicians are not our employees. We have employee
25 physicians at some of our hospitals, we have totally

1 independent medical staff at some of our other
2 hospitals, where these are private practicing physicians
3 who we rely upon to come to the hospital upon our call
4 to provide care for our patients.

5 Those doctors are under stress as a result of
6 the increased incidence of non-insured patients. The
7 doctors know that when they come to the hospital to
8 provide care, there is a relatively low possibility that
9 they will get paid, or a high probability that they will
10 not get paid. We, on the other hand, as a result of
11 restrictions in federal law, are unable to provide
12 monetary compensation for these doctors in many
13 instances.

14 When I make reference to law or regulation, I'm
15 not here to be critical, I'm just saying that as a
16 matter of fact, those restrictions are in place. Here
17 in the Washington area, we are experiencing something
18 else as a result of the high malpractice insurance
19 premiums, and that is the difference between
20 jurisdictions. In Maryland, there is tort reform in
21 place, it's been in place for a good many years, where
22 there's a cap on noneconomic losses. There is no such
23 cap in the District of Columbia.

24 We have doctors who will come to us and say, if
25 I practice in the District of Columbia, my insurance

1 premium is tens of thousands of dollars more than it
2 would be if I moved my practice to suburban Maryland.
3 And yet we need those doctors to stay in the District of
4 Columbia and provide for us.

5 There is no clear way for us to provide
6 malpractice or professional liability insurance
7 assistance to those doctors under the current state of
8 law, and yet they are hurting, they are our life line.

9 Let me speak for a moment, too, about the market
10 related to patients. Our hospitals provide care to
11 emergency departments for six out of the seven
12 hospitals. The rehabilitation hospital does not have an
13 emergency room. By law, we are required to provide care
14 for anyone who comes in the door or anywhere on our
15 campus who requests care.

16 You would think that given that 40 percent or so
17 of our admissions to some of our hospitals come through
18 the emergency department that that would be a good
19 thing. Once again, with a high incidence of uninsured
20 patients, we can find that we have a high incidence of
21 patients who become inpatients for whom there is little
22 or no reimbursement.

23 It creates a substantial drain on the hospital
24 resources. Yet, there is no way that we can avoid those
25 responsibilities and so we provide care. We have had

1 instances, I don't know whether this is local to the
2 District of Columbia or not, but we have had instances
3 where individuals from other countries will come here on
4 a visitor Visa, for the sole purpose of being admitted
5 to a hospital. They are savvy enough to know that the
6 EMTALA law requires us to provide care, and that care
7 can cost hundreds of thousands or millions of dollars.

8 The last thing I would like to comment quickly
9 on is technology. And it's been mentioned before in
10 regard to, and I am going to pick on the cardiac
11 services in regard to the drug eluting stents, which are
12 coming online shortly. Think your way through it,
13 there's two impacts of the stent. One is the intensity
14 for open heart surgery, obviously, is a very high level,
15 meaning the reimbursement level is high.

16 The stent, the use of the stent can eliminate
17 the need for open heart surgery. So, you're reducing
18 the number of cases that you could do of high acuity by
19 the introduction of stents. The early stents, however,
20 had a problem that they would cause a reblockage or a
21 reblockage could occur called restenosis.

22 The new stent, the drug eluting stent, will go a
23 long way, we are told, in reducing the probability or
24 possibility of restenosis, meaning it will be used in
25 more and more instances to replace open heart surgery.

1 So, we are reducing the number of cases we will do, and
2 at the same time we will be paying more for the new
3 stent than we paid for the old stent, as it was
4 mentioned earlier. We're not being reimbursed on that
5 level.

6 So, we have a double hit from this technology.
7 It's great for the patient, it's great for you, it's
8 great for our bosses, and others who need a stent, and
9 that recently happened in our organization, where a
10 blockage was discovered over the weekend, a stent was
11 installed, the employee was back shoveling snow in
12 February, two days later. Great news for us, but hard
13 news for the hospitals.

14 We have in our system hospitals that have been
15 providing care for up to 150 years, and they try very
16 hard to do their very best in providing care at a
17 reasonable cost. I hope, however, that the differences
18 between the health care industry and other industries
19 will be fully considered at the time of any action by
20 the Federal Trade Commission.

21 Thank you.

22 (Applause.)

23 MR. SACKS: Good morning, I am Dr. Lee Sacks.
24 I, too, want to thank the Commission and the Department
25 for holding these hearings and giving me an opportunity

1 to present our perspective. Again, a number of
2 similarities to the earlier speakers, but I want to
3 really try to focus on Advocate Health Care and our
4 marketplace in Chicago, because while there are national
5 trends, there are a lot of things that are local in
6 health care, and uniquely related to the market.

7 You can read my bio, but I think the thing
8 that's important is I'm responsible as chief medical
9 officer for quality and patient safety, as well as for
10 all of our managed care contracting, so I interface with
11 the economic marketplace every day.

12 Advocate Health Care is a faith-based,
13 not-for-profit integrated delivery system with an
14 intense focus on providing high quality, efficient care,
15 and we're sponsored by two church bodies, the United
16 Church of Christ and the Evangelical Lutheran Church of
17 America. Although we're the largest provider of care in
18 metropolitan Chicago, our market share is 14 and a half
19 percent, a very fragmented market on the provider side.

20 For the last five years, we've been ranked among
21 the top ten integrated delivery systems in the country.
22 We have over 200 sites of care stretching all across
23 metropolitan Chicago, including eight acute care
24 hospitals, two children's hospitals, with nearly 3,000
25 inpatient beds. Our hospitals vary from small

1 community-based facilities to large tertiary medical
2 centers that serve diverse populations from the inner
3 city to the affluent suburbs.

4 We have four level one trauma centers out of a
5 total of eight in all of metropolitan Chicago, and with
6 that, the obligation to care for the uninsured and the
7 underinsured who the emergency medical system brings to
8 our door and all the high cost care that they require.

9 We also take care of many HMO capitated lives.
10 Our latest count is 410,000 small community or large
11 community. Our three teaching hospitals train over 600
12 residents and fellows, and produce more primary care
13 physicians than any of the academic medical centers in
14 the state of Illinois.

15 We have nearly 25,000 employees and as such are
16 the second largest private employer in the state of
17 Illinois, an economic engine of itself, and have 4,600
18 physicians on our medical staffs, nearly 2,600 of these
19 doctors are members of our managed care contracting and
20 care management joint venture, Advocate Health Partners.
21 We also have a full-service home health company.

22 Advocate's mission is to serve the health needs
23 of individuals, families and communities. We treat the
24 whole person, mind, body and spirit, with high-quality,
25 efficient health care. Our hospitals and the health

1 centers provide a comprehensive array of services and
2 outreach programs designed to improve the health of the
3 communities. In 2002, we provided over \$28 million in
4 unreimbursed Medicaid services, in contrast to the prior
5 year, when it was \$13 million.

6 Our charity care, healthy communities policies
7 community benefit programs total \$53 million in 2002 and
8 served over a million people. An example of that is our
9 baby advocate immunization reminder program. We have
10 62,000 infants enrolled and it serves to get all of
11 their immunizations done in a timely manner up to the
12 age of two. We've been recognized by the CDC and the
13 local and county health departments for that.

14 Advocate has always had a major strategic focus
15 on what we call clinical excellence. Clinical
16 excellence is the combination of continuous clinical
17 quality improvement and a focus on patient safety. We
18 have a system-wide clinical outcome metric designed to
19 identify the percent of our discharges that meet our
20 needs, which means they're discharged alive, they
21 haven't had a hospital-acquired complication and their
22 admission was not the result of a re-admission for the
23 same diagnosis within the last 30 days.

24 It's an indicator that we look at carefully, we
25 compare our eight hospitals. In 500 of Advocate's top

1 managers have a significant part of their incentive
2 program tied to improving that indicator. We have 11
3 system quality initiatives with measurable indicators,
4 each of which has a physician champion associated with
5 it who is a clinical content expert.

6 And we have a unique ability to incent
7 participation in quality initiatives and adopting
8 innovative technologies through our private physicians
9 through Advocate Health Partners joint venture. In an
10 example of an innovative clinical technology, in the
11 next four weeks, we are going to go live with the EICU
12 program. We'll be the fourth system in the country and
13 the first in the midwest to link all of our adult ICU
14 beds to a central monitoring station and provide
15 24/7/365 intensiveness coverage with sophisticated
16 software.

17 We participate in national efforts to measure
18 and improve quality. This fall we were the second
19 system in the country recognized by the Joint Commission
20 with a certificate of distinction for disease-specific
21 work in asthma and congestive heart failure management.
22 And our community partnerships have done innovative
23 things like bring school-based health clinics to local
24 high schools, improving access to care for adolescents.

25 Now let me talk a little bit about our local

1 market and the payor mix. For Advocate Health Care, 50
2 percent of our reimbursement comes from the government,
3 and when you divide that piece of the pie, 35 percent is
4 from Medicare and 15 percent is from Medicaid. Illinois
5 Medicaid payments rank 46 out of 50 states, and the 46
6 is low, not high. There hasn't been an increase in
7 those payments since the early 1990s.

8 Of the rest of our business, 47 percent is
9 managed care, which means patients whose reimbursement
10 is set by a negotiated contract. And 3 percent are
11 commercial or self-pay. So, it's 3 percent of our
12 business that we have the ability to set the price, and
13 the reality is out of that 3 percent, a large part are
14 self-pay, uninsured, who seek charity care or end up
15 being bad debt.

16 In regards to managed care, today there are five
17 managed care organizations that are the dominant payors
18 for our hospitals. Those five hold 83 percent of our
19 managed care volume, and one of those companies, Blue
20 Cross/Blue Shield of Illinois, has 38 percent of our
21 managed care volume, yet only provides 32 percent of the
22 managed care revenue. You can draw your conclusion.

23 The other four companies are in the range of
24 6 to 16 percent, so none of them are even half the size
25 of Blue Cross/Blue Shield. These same payors dominate

1 the Chicago marketplace with Blue Cross holding a vastly
2 greater market share than any of their competition. In
3 the HMO arena, since 1995, we have witnessed a
4 tremendous consolidation. There were 25 payors in 1995,
5 today there are only ten, and three of them make up 70
6 percent of the marketplace.

7 On the PPO market, again, Blue Cross/Blue Shield
8 has 30 percent of the market in Advocate and across
9 Chicago, and the top five payors in the PPO market bring
10 84 percent of the PPO business to Advocate.

11 We have tremendous competition, there are
12 prominent academic medical centers, as there are seven
13 medical schools in metropolitan Chicago, in other health
14 systems, the Resurrection System, a Catholic system on
15 the north side, Rush System for Health, the University
16 of Chicago, Loyola University, Northwestern Memorial,
17 ENH, three hospitals in the affluent north suburbs and
18 Provina Health. Each of our eight hospitals has one or
19 more strong local competitor hospitals in its primary
20 service area, not to mention the non-hospital
21 competition from ambulatory surgi-centers, imaging
22 facilities, et cetera, virtually all of which are on a
23 for-profit basis and many of which are owned by national
24 chains with access to the public equity markets.

25 We've seen, despite increased volume in

1 outpatient services over the years, a continually
2 eroding market share in outpatient. And based on the
3 reimbursement from managed care companies and Medicare,
4 outpatient floats the ship. It is the profitable
5 business, and that continues to be picked away by this
6 type of competition.

7 Our hospital costs are rising for a variety of
8 reasons. You've heard many of the specifics from the
9 prior speakers. We're seeing unprecedented increases in
10 patient volume, most of our facilities are running at or
11 above full occupancy, certainly Monday to Friday. It's
12 due to an aging population, an increased demand for
13 discretionary procedures. There's fewer roadblocks to
14 health care from health insurers as there has been a
15 backlash to managed care restrictions.

16 All of this leads to the shortages of key
17 workers that you saw in some of the slides earlier,
18 which results in greatly increasing wage inflation and
19 the expense of using agency nurses and paying overtime.
20 What I've taken to tell our managed care payors when we
21 negotiate contracts is volume is no longer a blessing.
22 The last patient in our door is our most expensive
23 patient because we're paying overtime, we're paying an
24 agency three times the usual hourly rate to get a nurse
25 to staff that shift.

1 Increased professional liability premiums. Most
2 of the press has focused on the physician aspect. The
3 hospitals are picking up a disproportionate share of the
4 increased premiums. Our hospital premiums doubled from
5 2001 to 2002, and in addition, we are now self-insured
6 for the first \$15 million for every case with no lid on
7 the number of cases, because nobody wants to provide
8 reinsurance below that level.

9 We're in one of the crisis states and two of our
10 neighbor states have tort reform and we're seeing a
11 migration of physicians into Indiana and Wisconsin, and
12 leading to access problems.

13 Increased supply costs, the need for capital
14 investments, the regulatory burdens. We're dealing with
15 HIPAA right now, we all went through Y2K corporate
16 compliance, mandated health benefits both in terms of a
17 provider, but as well as a large employer driving up our
18 costs of health insurance.

19 Disaster readiness, we haven't seen one extra
20 nickel from anybody for disaster readiness, but we're
21 there if the need arises. And our need to invest in
22 technology and equipment to enhance patient safety.

23 Hospital margins have been declining
24 industry-wide. In 2001, they were slightly above
25 4 percent. For Advocate, it was a record year, 2.59

1 percent. In 2002, our operating margin dropped to 1.8
2 percent, despite significant cost reductions and
3 efficiencies, \$20 million savings from our system-wide
4 supply chain initiative, centralized information
5 systems, administrative services that have taken real
6 dollars in the tens of millions out of our expense
7 structure.

8 Those narrow margins don't allow us to provide
9 the needed reinvestment in clinical operations,
10 facilities and technologies. Outside experts have told
11 us that you need a 5 percent operating margin average
12 year after year to do that. We're not even halfway
13 there.

14 Investment income and philanthropy offset our
15 inadequate operating margin until the year 2000, and
16 probably gave us a false sense of security, but
17 everybody knows what's happened in those arenas, and no
18 longer can we count on that for capital investments.

19 Medicare and Medicaid, we all know what's going
20 on there, and certainly we're not going to see the
21 increases in Illinois Medicaid when the state has a \$5
22 million budget deficit, and Medicare increases are going
23 to be less than the rate of overall inflation, which is
24 way less than the rate of health care expense inflation.

25 And then let me close with a couple of comments

1 about what I'll characterize as unreasonable demands
2 from private payors. In many cases, the payment rates
3 fail to cover the costs or certainly fail to provide the
4 ability to invest in needed capital improvements in
5 patient safety initiatives. They benefited from the 90s
6 before Medicare reductions and with robust investment
7 income, and now they're complaining when they're being
8 asked to pay their fair share.

9 Also, when economic incentives that aren't
10 properly aligned through a clinically integrated
11 organization that's focused on quality, such as our
12 Advocate Health Partners, those incentives can tend to
13 limit care and impact adversely on quality outcomes.
14 The misuse of capitation, the sending patients to
15 freestanding centers, where physicians are investors,
16 and on and on and on.

17 And questionable negotiation tactics from
18 payors. Blue Cross/Blue Shield of Illinois is exempt
19 from prompt payment laws in Illinois because they're
20 magnanimous. They provide what they call UPP, or
21 university periodic payments. Every Friday they wire
22 transfer to every hospital that has a contract an
23 estimated payment based on the average of the prior
24 three months payments. They've been doing this for a
25 long time as a way of keeping some marginal hospitals

1 afloat, especially when interest rates are high.

2 You know, that's not usually an issue for
3 Advocate, but as we headed into our renegotiation for
4 2003, one, in order to negotiate, you have to send a
5 contract termination, otherwise the contract just rolls
6 over in an Evergreen clause, and they win, because
7 there's no increase. The day we sent the contract
8 termination, they sent us a note saying that they were
9 immediately suspending our UPP payments, even though the
10 contract said they needed to continue until year end.

11 We received six and a half million a week in UPP
12 payments. In the six weeks that transpired between that
13 termination and signing the new contract, we were out
14 approximately \$40 million in cash. At the same time,
15 this was the third quarter of 2002, we all know what
16 happened in the stock market, our portfolio went down
17 another 10 or 15 percent, and on September 30th, we had
18 to make a \$50 million cash contribution to our
19 retirement plans to make sure that they had adequate
20 funding. Again, tied to losses in investment income.

21 Suddenly an organization with a billion dollars
22 in assets and a AA bond rating was looking at our day's
23 cash on hand and wondering whether we would be able to
24 renew our line of credit which came due at year end, and
25 it's not a surprise that we capitulated and signed a

1 contract on November 15th. We got an increase, but it
2 certainly was far less than all the pieces that were on
3 the table.

4 And that was a message that was clearly sent to
5 all of the other providers in the Chicago market, if
6 they could deal with the largest one this way, how are
7 they going to deal with organizations that don't have a
8 AA bond rating?

9 Health care is a complex enterprise. I urge all
10 of you to take the time to really understand all of the
11 various market dynamics. Is our delivery system, and by
12 our, I really mean the United States delivery system, is
13 hanging by a thread, and a little push in the wrong
14 direction could cause it to fall apart. It's critical
15 to encourage collaboration and efficiency between
16 physicians and hospitals and between providers and
17 payors so that we can enhance quality and enhance value
18 for our patients.

19 Thank you.

20 (Applause.)

21 MR. SHELTON: Hi, my name is Denny Shelton, I'm
22 the chairman and CEO of Triad Hospitals. We own and
23 manage 49 hospitals in 17 states. We also manage 208
24 non-profit hospitals in 43 states, ranging really from
25 all sizes, rural to those in small cities to urban

1 markets as well.

2 There's been a lot of talk today, and I know
3 there's been a lot documented in recent weeks and months
4 just about the rising cost and the concerns about
5 malpractice insurance and how to handle additional
6 regulatory requirements such as HIPAA and first lines of
7 defense, the growing labor pressures that we see in this
8 industry, but I thought what I would do is try to take
9 an even more macro look at kind of what the state of the
10 health care is in this country.

11 I should tell you that I am a hospital
12 administrator, that's all I've ever done. I've been in
13 health care for 27 years, started as a hospital
14 administrator and been in health care solely as an
15 administrator for 27 years. And when I look out across
16 the country with the organizations and the communities
17 that we work with, you know, I'm concerned about what's
18 going to happen. It's really more of a national health
19 policy. It's really a public policy issue, I think,
20 that we as a country are going to face over the next
21 five years. And something that I don't think that we
22 faced, I know we haven't faced in my lifetime, and
23 probably most of you either here listening today, and
24 that is we are not going to have over the next five
25 years enough beds and physical capabilities to meet the

1 health care needs of people in our country.

2 This is caused by declining capacity, and also
3 because of increasing utilization as our population
4 continues to age, and we all know that 80 percent of
5 that health care dollar is in the last five years of
6 life. When you have that taking place at a time when
7 you have so many hospitals in this country in trouble,
8 it is an alarming issue that I think that the Justice
9 Department and the FTC need to be leery of when thinking
10 about how to help regulate this industry from an
11 antitrust standpoint.

12 Today there are about 4,900 hospitals in the
13 United States, about a third of those hospitals are
14 losing money. About a third of those hospitals are what
15 I call financially distressed, meaning that they cannot
16 recapitalize themselves. They're profitable in the
17 sense that they have positive cash flow, but they do not
18 have enough cash flow to competitively stay active and
19 stay engaged in the communities that they serve.

20 They cannot replace equipment, they cannot
21 upgrade equipment, they cannot expand services, they
22 cannot meet that growing utilization that we're seeing
23 in this country. It's becoming a system of have and
24 have-nots and that's the way I look at it. Most of the
25 people who are sitting here today, including ourselves,

1 are mostly on the have side.

2 We either have a network of facilities or
3 regional organization and we have cash flow that's
4 strong. We have access to managed care contracts or
5 contracts with insurers, and that's really the name of
6 the game in our industry. It's about leverage. You
7 have to have enough access points, you have to have the
8 right facilities where the consumer demands your
9 facility or facilities be in their health plans. That's
10 called leverage.

11 A lot of people don't like to hear that, but we
12 are purely a leverage-driven industry. Either we get
13 the right facilities and services and we network it
14 appropriately and we get leverage with the payors so
15 that they cannot sell a contract in the market without
16 our facilities in their health plan, if we do that, we
17 have great leverage, we become profitable, we become
18 well capitalized and we become one-third of those
19 hospitals in the United States who can effectively
20 compete.

21 Unfortunately, the other two-thirds of the
22 hospitals in this country, and the vast majority of
23 hospitals in the United States, are community-based
24 hospitals. They're not major tertiary or teaching
25 hospitals. They're community-based hospitals. That's

1 the vast majority of health care and that's the front
2 line of defense, providing health care to people in this
3 country.

4 Most of those facilities are in trouble. If
5 they're not making money, if they're losing money or if
6 they cannot recapitalize themselves, if they don't have
7 the right number of facilities, if they can't keep up
8 competitively, they have no leverage. And when they go
9 to contract for services, they bottom feed. They
10 basically are taking whatever rates they can get, and in
11 many cases, they're not even included in contracts,
12 they're excluded.

13 So, they do not have the abilities to replenish
14 themselves and to meet the growing needs of the
15 communities that they serve. They, in essence, are
16 leveraged out, and they do not have the abilities to
17 participate.

18 I expect that what we're going to continue to
19 see is closures and consolidation in this country. I
20 think we're on our way to 200 to 300 hospitals closing
21 in the next year to two years. We're going to continue
22 to see that capacity decrease. I think that's the
23 landscape that we live in. I think there are pressures
24 from a number of different sides, but I'll tell you, I
25 think that this is a critical issue for us in this

1 country.

2 America's community-based hospitals meet the
3 needs of the people in their community, and one of the
4 real problems that we have is that while we're being
5 whipsawed on rates and labor and all these other issues,
6 these cost issues, we're also faced with the fact that
7 we are being put in line to take care of a growing
8 under-insured population.

9 A lot of our people fall through and fall to
10 a net and are captured by Medicaid, but a great number
11 of people in the communities that we serve don't have
12 adequate insurance, or they do not have the abilities to
13 pay for the health care that they are provided.

14 America's community hospitals take care of those people.

15 I know in our organization, a third of our
16 hospitals are sole community providers. If we don't
17 take care of the health care needs of those communities,
18 they don't get health care. So, we have a moral
19 responsibility, a social responsibility to take care of
20 these people, as well as many legal responsibilities to
21 do so as well.

22 We're also being whipsawed by the fact that we
23 have a number of specialty facilities that are cropping
24 up across the United States. Special services, whether
25 they're orthopedics or cardiology or women's services,

1 and the wave, the new wave are short-term-stay surgical
2 hospitals, where people stay one to three days, and they
3 may be 10 to 20 beds, but all of these pressures that
4 are coming, are coming at the expense of those community
5 hospitals. Because when it comes down to it, it's kind
6 of like what Ralph said earlier, is that when somebody
7 needs care for that automobile accident or that gunshot
8 wound or when that woman shows up at our doorstep at
9 3:00 in the morning with no prenatal care and is looking
10 for help and nobody has ever seen the lady and knows
11 nothing about the condition of the child, the community
12 hospital is taking care of those patients.

13 And what's happening is, is the better paying,
14 selective patients are being usurped off into these
15 specialty facilities, and it is adversely affecting that
16 two-thirds of the facilities that are already in
17 financial trouble. It has an effect on all hospitals,
18 but I am greatly concerned about the two-thirds of the
19 facilities in this country that are losing money or
20 financially distressed, and they cannot afford to lose
21 that paying business.

22 Now, whether we like it or not, we are also --
23 people don't like to use the word leverage, people also
24 don't like to use the word "cost shift," but we are an
25 industry of cost-shifting. We have to have paying

1 patients to cover the bills for the people that we take
2 care of that we don't get paid for, and now in the
3 growing under insured population that cannot pay for the
4 full bill for services that they receive.

5 So, to be able to have an organization come in
6 and stay open 9:00 to 5:00 Monday through Friday, and
7 take care of the paying patients and do a good job, it's
8 not a question of quality of care or services, but we
9 are killing America's community-based hospitals. I sit
10 here and I tell you that because I put our organization
11 in the one-third. We're the haves, and we are able to
12 spread our risk across a broader geographical base, and
13 so I have hospitals that lose money, I have hospitals
14 that make money, but I spread that risk across a broader
15 base.

16 The majority of hospitals in the country don't
17 have that luxury. They do not have the abilities to
18 spread that risk. They serve a limited geographical
19 area, and if they fall into the have-not category, or
20 even into the have category and they're sucking off
21 business into these specialty facilities, it is killing
22 those hospitals.

23 And what we're going to have in this country,
24 and I have said this for the last six months to a year,
25 is over the next five years, we're going to end up not

1 being able to take care of my mom and my sisters and my
2 kids and yours. We're not going to be able to do it,
3 because American hospitals are not going to be
4 financially able to grow, expand, and to meet that need.
5 And the need is not the usurping of those specialty
6 high-paying services, it's meeting those fundamental
7 health care needs that we as Americans have come to
8 expect and to demand. And we want health care on
9 demand.

10 So, we have got to address killing off these
11 hospitals. And if you amount to have competition in
12 marketplaces, I can tell you, I'm working in five
13 markets right now with the two-thirds that I just
14 mentioned, Fairmont, West Virginia, Irwin, North
15 Carolina, Palmer, Alaska, Eugene, Oregon. I'm working
16 with markets across the country, non-profit
17 organizations that are financially going down the tubes
18 because they cannot compete with what they face in their
19 local marketplaces. And in many of those markets, you
20 want competition. You want at least two or three
21 healthy health care providers, and that's what's at risk
22 if we don't do something.

23 I'll tell you this: I was up on the Hill about
24 two weeks ago, and I was talking with several
25 legislators about we can't keep going back to Congress

1 and asking for more money, but what we can do is ask for
2 some relief in terms of making sure that American health
3 care system is strong and competitive, and these are
4 some of the things that you could look at. I think you
5 need to be looking at specialty facilities and services,
6 who owns them, how do they work, and what are they doing
7 to kill the infrastructure of American hospitals, and
8 too, I think you need to be looking at making sure that
9 certain health care facilities are not punished by not
10 having leverage with the insurance companies and truly
11 becoming nearly bottom feeders or at least asking for a
12 hand-out from the insurers just to stay in a health
13 plan.

14 And I think that those are real issues that need
15 to be addressed. And I know you guys are looking at
16 some of these things and you've got some other meetings
17 coming up where you are going to address some of these
18 issues. I am fascinated by Little Rock, Arkansas. I do
19 business in Arkansas, I think Little Rock is a great
20 case study for you, and I think that's going to be very
21 revealing.

22 I will tell you a story that I was contacted by
23 a couple of businesspeople in Little Rock about two
24 weeks ago, very prominent business people, who are
25 concerned about having only one health care system and

1 one major insurer in their marketplace, and wondering
2 how they're going to be -- how is there going to be
3 competition in that market. This was an unsolicited
4 call from businesspeople, worried about what's going to
5 happen in their markets. I'll be interested to find out
6 how your look at Little Rock happens.

7 Let me just close by saying that we need to
8 protect American hospitals. We need to protect this
9 health care system, and the first line of defense are
10 our community-based hospitals, and I think these are
11 issues that need addressing and are worth our attention,
12 and that's why I'm pleased to be here today to at least
13 make my thoughts known.

14 Thank you.

15 (Applause.)

16 MR. HYMAN: I think what we're actually going to
17 do is take about a five-minute break, and then we'll
18 bring up the speakers that are next on product market.
19 The members of the hospital panel that are able to stay
20 and wish to participate are welcome to do so, and then
21 we'll continue in about five minutes.

22 (Whereupon, there was a brief pause in the
23 proceedings.)

24 MR. HYMAN: We would like to start again, if
25 people could take their seats.

1 We're going to continue now and the way we're
2 going to do this is to go from my right to my left. And
3 first up is Carol Beeler, who is Vice President of
4 Operations with Health Inventures and is speaking on
5 behalf of the Federated Ambulatory Surgery Association.
6 Seated next to her is Seth Sacher, who is a principal at
7 Charles River Associates and an alumnus of the Federal
8 Trade Commission, and then Jack Zwanziger, who will bat
9 clean-up, so to speak, who as professor at the School of
10 Public Health at the University of Illinois in Chicago,
11 and also a well-known scholar on the areas we're going
12 to be talking about, which we're now going to turn to
13 defining product markets for hospitals. Seth and Jack
14 will have a longer period of time with which to speak
15 than the individual participants from this morning, and
16 then we'll kick around the subject of defining product
17 market hospitals. The trains here run on time, so we
18 will break at noon for an hour and a half for lunch and
19 then commence promptly again at 1:30.

20 Carol?

21 MS. BEELER: Thank you. Good morning. I am
22 Carol Beeler, Vice President of Operations for Health
23 Inventures, a company that develops and manages
24 ambulatory surgery centers, known commonly as ASCs. In
25 1984, I joined the industry as a nurse manager, and over

1 the last two decades have moved from my clinical care
2 provider to a manager.

3 Today I oversee 12 surgery centers providing
4 more than 65,000 procedures a year, all of whom take
5 Medicaid patients. I am here today as past president of
6 the Federated Ambulatory Surgery Association, or FASA,
7 the nation's largest association of ASCs. FASA is a
8 full-service association representing the interests of
9 surgery centers, their employees, and the physicians who
10 provide the services.

11 Most importantly, we strive to represent the
12 interest of patients who have their surgery performed at
13 an ASC. To enhance the quality of surgery centers, FASA
14 was a founding member of the first ambulatory
15 accrediting body, started the first nationwide
16 benchmarking project and more recently developed a
17 program in which staff can pass an examination and are
18 recognized for their expertise in the operation of
19 surgery centers.

20 It is a privilege to share with you some basic
21 information about this industry. Comparatively
22 speaking, the surgery center industry is quite young.
23 The first multispecialty ASC opened in Arizona in 1970.
24 After an anesthesiologist heard from his neighbors about
25 how much they were having to pay for relatively minor

1 surgical procedures.

2 That anesthesiologist set out to develop a model
3 of health care delivery that was safe and
4 cost-effective, which became the first surgery center.
5 Today, there are more than 3,300 facilities providing
6 services in all 50 states. More than seven million
7 procedures were performed in 2002. Stated most simply,
8 ASCs are facilities that provide surgery not requiring
9 overnight stay.

10 There is a great deal of variety in surgery
11 center organization, structure and services provided.
12 Some are small, with only one operating room, while
13 others are quite large, with more than eight operating
14 rooms. The average ASC has three operating rooms. The
15 average annual volume is between 3,000 and 4,000
16 procedures. Most are locally owned and small
17 businesses.

18 FASA data indicates that 61 percent have 20 or
19 fewer employees. The industry is almost equally divided
20 between those centers that provide services in only one
21 specialty, called single-specialty ASCs, and those that
22 provide services in many specialties. Half of the
23 services provided in surgery centers last year involved
24 two medical specialties, ophthalmology and
25 gastroenterology. Orthopedics and gynecology are other

1 specialties that make significant use of surgery
2 centers.

3 Although a few surgery centers are owned by
4 hospitals, physicians have some degree of ownership in
5 most ASCs. Some are totally physician-owned, others are
6 physician joint ventured partners with private or
7 publicly traded companies, still others are
8 physician/hospital joint ventures. Hospital investors
9 are either for-profit or not-for-profit.

10 In facilities totally owned by physicians, one
11 physician may have complete ownership or a number of
12 physicians may each have a percentage. Being an
13 investor is not a prerequisite to performing surgery in
14 a surgery center. In fact, in most successful ASCs, a
15 significant volume of procedures are performed by
16 non-investor physicians.

17 Such physicians are attracted to this
18 environment by high quality care, patient satisfaction,
19 convenience and efficiency. Like all health care
20 facilities, ASCs and their surgeons are subject to
21 federal and often state antikickback laws.

22 To encourage physician investment, the inspector
23 general of HHS established an ASC safe harbor saying,
24 "Our regulatory treatment of ASCs recognizes the
25 department's historical policy of promoting greater

1 utilization of ASCs because of the substantial cost
2 savings to federal health care programs when procedures
3 are performed in ASCs rather than in more costly
4 inpatient or outpatient facilities."

5 Ambulatory surgery centers provide a safe
6 environment for the performance of surgery. To receive
7 Medicare payments, the facility must be certified by
8 Medicare. This is based in part on the physical
9 inspection of the premises, either by a state surveyor
10 or a private accrediting body.

11 Medicare certification requires compliance with
12 comprehensive set of standards concerning surgery,
13 staffing, medical equipment, provisions for transference
14 of patient to a hospital in case of emergency, and all
15 requirements of state law. Collectively, these
16 requirements are called conditions of coverage.

17 Like hospitals, surgery centers are primarily
18 regulated by the states. Many state regulations mirror
19 the Medicare condition of coverage. Independent of
20 external controls, ASCs have made a concerted effort to
21 enhance those elements of patient safety in order to
22 re-assure patients and physicians when they have some
23 type of trepidation about receiving and providing
24 services at the surgery center.

25 Active physician participation and ownership and

1 management contribute significantly to the quality of
2 services. Surgery centers have very low rates of
3 infection, complications, and medical errors. Data from
4 liability insurers show ASCs have a low instance of
5 claims.

6 In addition, ASCs increasingly seek
7 accreditation from one or more of five bodies that
8 accredit ambulatory service centers, such as joint
9 commission and the Accreditation Association of
10 Ambulatory Health Care. These accrediting bodies
11 require that the facility maintain standards that go
12 beyond the requirement of state regulation and Medicare
13 conditions of coverage.

14 Surgery centers continue to seek this additional
15 seal of approval to demonstrate to the public the high
16 quality being delivered. In response to the questions
17 posed by this hearing, surgery centers often compete
18 directly with hospitals in the provision of outpatient
19 surgical procedures, just as hospitals compete with each
20 other.

21 Many procedures that 30 years ago were so
22 invasive as to require overnight or a stay of several
23 days in the hospital now can be provided by an ASC.
24 This has come about as a result of development of new
25 technology and techniques for both the surgery itself

1 and anesthesia so that patients can be discharged
2 shortly after surgery.

3 The outpatient surgery market has three
4 competitors: Ambulatory surgery centers, hospitals, and
5 physician offices. However, the extent to which the
6 same services are offered in different settings varies
7 greatly. For example, a single-specialty ophthalmology
8 ASC will compete with a hospital outpatient department
9 for this one specialty. A multispecialty surgery center
10 will compete with a hospital outpatient department more
11 extensively.

12 But this is not the complete picture. Surgery
13 centers also compete with hospitals in respect to some
14 procedures that are now performed on an inpatient basis.
15 For example, many hospitals provide rotator cuff repair
16 and laparoscopic removal of gall bladder on an inpatient
17 service. Throughout the country, service centers have
18 excellent results in providing these procedures.

19 ASCs may face significant barriers to competing
20 on an equal footing with hospitals. Many health
21 insurers will not cover surgical services provided by
22 surgery centers.

23 We are also aware that some hospitals negotiate
24 with managed care companies to discount their price for
25 their inpatient services in return for exclusive

1 contracts for the outpatient surgery services. Economic
2 credentialing or the use of economic criteria unrelated
3 to the quality of care or professional competency in
4 determining an individual's qualifications for initial
5 or continuing medical staff membership or privileges has
6 been used by some hospitals to deny or restrict medical
7 staff membership or privileges to those physicians
8 associated with a competing ASC.

9 Such activity is contrary to the whole purpose
10 of physician credentialing. The assurance of quality of
11 care.

12 Finally, state certification of need laws are
13 intrinsically anticompetitive and have been used by
14 interested parties in a number of states to restrict
15 competition in the outpatient surgery market.

16 In closing, the ambulatory surgery industry has
17 thrived in the United States because it has provided
18 quality surgical care at a reasonable cost with a
19 commitment to customer service. This success has
20 occurred despite having to overcome significant
21 obstacles. The industry has played an important role in
22 providing incentives to move surgery from an inpatient
23 to an outpatient setting, improving health, increasing
24 patient productivity, and saving costs.

25 Surgery centers will be able to continue to

1 compete with hospitals and reduce the aggregate cost of
2 surgical services, as long as the health care insurers
3 cover their services and as long as insurers do not
4 enter into exclusive contracts for surgical services
5 with one or more hospitals.

6 Thank you for this opportunity to speak to you
7 today.

8 (Applause.)

9 MR. SACHER: In my talk this morning, I am going
10 to focus on three general issues. First, I want to
11 focus on some general conceptual issues in hospital
12 product market definition, and for those of you that are
13 not antitrust practitioners, the standard product market
14 definition that has been used in most hospital cases has
15 been to define some kind of cluster of inpatient
16 services. And then I want to ask two basic questions,
17 and I'm going to address those questions, I don't know
18 if I'm going to answer them, but I'm going to address
19 issues in those questions.

20 First, is that standard product market
21 definition too narrow? Is there some reason to expand
22 that definition to incorporate other kinds of providers
23 or other kinds of services? And then I want to ask the
24 converse question, is that standard product market
25 definition too broad? Is there some reason to break

1 apart that cluster?

2 There are numerous complexities involved in
3 applying the guidelines to hospital services. Well, I
4 guess most antitrust practitioners in the room are
5 going, well, duh, there's always complexity involved in
6 product market definition, but I think when it comes to
7 hospital mergers and health care matters in general,
8 product market issues are something of a forgotten
9 issue.

10 Geographic market, tons of people are addressing
11 that issue, particularly because so many of the cases
12 have turned on geographic market definition.
13 Competitive effects is always a hot issue in any kind of
14 merger. Efficiencies is the other hot issue. People
15 don't think too much about product market because
16 product market has been kind of settled, as we'll see in
17 a moment of the health care merger decisions that are
18 out there. However, I think there are still a lot of
19 subtleties in hospital product market definition, and as
20 the Commission and the Department seek to reinvigorate
21 its hospital merger enforcement program, I think it pays
22 to be aware of those and not be too complacent regarding
23 those issues.

24 Where does this complacency stem from? I think
25 there are basically two sources. One is the fact that

1 hospitals are multiple service providers. I think there
2 are two ways of looking at that, it's not really
3 appreciated in court decisions or in the literature,
4 which I will go into in a moment. And the other is the
5 idea of consumer heterogeneity. Again, the consumers
6 that patronize the hospital have very different medical
7 treatment needs, and then of course there is the issue
8 that bedevils all health care antitrust, the fact that
9 the people receiving the service are not necessarily the
10 people paying for the service.

11 Getting back to the issues of hospitals being
12 multiple service providers, providing numerous services.
13 As I said, I think we can look at this in two different
14 ways, and there has been some confusion, I think, in the
15 literature, and in court decisions. On the one hand, a
16 hospital combines a whole bunch of inputs in producing a
17 particular output. It takes diagnostic tests, drugs,
18 medical devices, ancillaries, room and board, combines
19 all those inputs to produce some kind of medical
20 service, and in that sense, it's combining a bunch of
21 multiple goods into one output.

22 On the other hand, there's also numerous
23 services in that the hospital provides numerous kinds of
24 treatments. Treatments for heart disease, cancer,
25 obstetrics, orthopedics, what have you.

1 How to deal with this fact that hospitals are
2 multiple service providers, that they deal such a
3 multiplicity of services, and the proposed solution, the
4 solution that has been generally used, is the idea of a
5 cluster market, that somehow we're going to combine all
6 these different services, all these different treatments
7 into one cluster market, which has generally been
8 defined as some form of acute care inpatient services.
9 And there basically have been two rationales for that.

10 Again, one is the concept of complementarities
11 in demand and/or supply, and I think that this rationale
12 is valid when you tend to look at a hospital product
13 markets in terms of the hospital's combining a bunch of
14 services to produce a particular input. In that case,
15 the monopolist provider, the hypothetical monopolist,
16 which is used in the market definition exercise, can
17 raise prices 5 percent of that bundle of services, and
18 the payor is not going to go out and source -- is not
19 going to source nursing and room and board and
20 diagnostic tests from a whole bunch of places. So, in
21 that sense, I think it's quite valid to consider a
22 hospital cluster market when you're talking about a
23 cluster of inputs to produce a given output.

24 On the other hand, when you tend to view a
25 hospital as being a combination of all these different

1 treatments, a hospital providing, you know, again, heart
2 disease, obstetrics, et cetera, et cetera, I think that
3 idea of complementarity and demand of supply holds a
4 little less rationale, a little less weight.

5 First of all, these things are not demand-side
6 substitutes. A patient seeking heart treatment cannot
7 substitute obstetrical treatment for that. Someone
8 seeking orthopedic treatment cannot substitute a gall
9 bladder operation. So, in that sense, it's not
10 necessarily valid. And then of course on the other
11 hand, it might be valid from the supply side, the idea
12 that a hospital that is providing a certain group of
13 services can very easily substitute in providing another
14 group of services.

15 But that may not always be the case, that's very
16 much an open question and perhaps something that our
17 panelists, our actual practitioners can address later
18 today, but it's not always clear to me. Okay, if you're
19 talking about a disease, perhaps if a hospital is
20 skilled at treating one kind of disease, it may be
21 fairly simple for them to substitute into another
22 disease, maybe they just have to purchase a different
23 array of antibiotics.

24 On the other hand, if you're talking about a
25 hospital that does not treat cancer, there may be some

1 very real capital investments involved in switching into
2 cancer treatment. Again, these things are going to be
3 very fact-specific, but to the extent that maybe our
4 panelists can make any kind of general statements about
5 those, those would certainly be useful.

6 On the other hand, the complementarities
7 argument may have some rationale when you take the
8 viewpoint that the actual payor is not the patient. In
9 that case, there may be some kind of a rationale for
10 this argument of using the cluster market based on
11 complementarities in demand, in that case, the payor may
12 be seen as contracting over this whole range of
13 services, and since he has to contract for this whole
14 range of services, he can't really break apart the
15 cluster. And that might be one rationale for arguing
16 for a cluster market. And my coworker Greg, who is
17 going to talk this afternoon, has written about that and
18 argued about that in other contexts as well.

19 Again, that is also, I think, going to be a
20 fact-specific issue that you're going to have to
21 address. To what extent is that actually the case? To
22 what extent do payors in a particular region have to
23 contract over the entire cluster? To what extent are
24 they able to break apart that cluster? And again, I
25 think there are other sessions that are going to be on

1 contracting issues, and this is certainly one to
2 address, to one extent, can people break apart the
3 cluster, to what extent are they breaking apart the
4 cluster and how can we address those issues.

5 The other rationale for using the cluster market
6 is one of analytical convenience. The idea here, again,
7 is that it's just there are so many different individual
8 services, how to deal with those, that there might be,
9 you know, we can economize on scarce enforcement
10 resources, all of the work of the Commission, the
11 Department, I know there are particularly a lot of times
12 when those resources are scarce, and I think that this
13 argument holds water to the extent that competitive
14 conditions throughout the cluster are the same.

15 If patient flows for the various services, the
16 various demand-side services that people come in and
17 use, if those are similar throughout the cluster. If
18 the Herfindahl index, which is what we use to measure
19 concentration, what we use to measure the number of
20 competitors in a particular market, if that is similar
21 throughout the cluster, then this analytical convenience
22 argument is definitely a valid one, but again, I think,
23 and I am going to talk about a little bit more later, in
24 some work I have done with Louis Silvia, who is
25 assistant director in the Bureau of Economics, that

1 again is a very much empirical or fact-specific issue
2 that has to be addressed.

3 I know the people in the cheap seats probably
4 can't see this, but this is just a table that I
5 reproduced from my paper with Louis Silvia, and even
6 people that hated the paper seemed to really like this
7 table, so I figured I will include it here. And
8 basically it goes through and just lists all the major,
9 or actually all the hospital merger decisions taken by
10 the agencies that have actually reached the courts, and
11 just lists briefly, summarizes some of the product
12 market issues that were involved in each of those
13 decisions.

14 I think it's kind of neat, because it actually
15 shows, you know, as I said at the beginning, there was
16 this sort of standard product market definition, and
17 that this is some kind of cluster of inpatient services,
18 but in actuality, there actually has been something of
19 an evolution of that definition over time.

20 If you actually look at some of the earliest
21 decisions, the AMI decision and the HCA decision, the
22 actual product market defined was not acute care
23 inpatient services but all hospital services. They
24 actually included outpatient services provided by
25 hospitals, but not outpatient services provided by

1 freestanding ambulatory surgery centers.

2 And if you read the decisions, actually there's
3 some kind of statement in there that since the hospitals
4 competed on this whole cluster, that you somehow
5 included the whole cluster. And then if you look at the
6 HCA decision, there's actually some discomfort on the
7 Commission's part with that, and they kind of say, well
8 perhaps maybe inpatient should be a separate market, but
9 we're going to go with the ALJ's decision on this for
10 now.

11 Then there's, of course, the Carillon decision
12 and the Roanoke decision, and that, of course, stands
13 apart because that is the only decision to actually put
14 outpatient care services into the market, it stands
15 alone on this.

16 And then we kind of chug along for a while and
17 we reach this acute care inpatient services market, and
18 that seems to be the standard market definition for
19 several cases. But then if you look at some of the most
20 recent cases, there's actually been a further evolution.
21 There has actually been a tendency to break apart the
22 cluster somewhat, to divide it from an overall acute
23 patient services product market to -- let me step back.
24 There also is a one, like an overall acute care
25 inpatient services market, but then there's also been a

1 tendency to define within that a primary care inpatient
2 services market. I think that's most clear in the
3 Butterworth decision, but certainly has played a role I
4 think in about four of the last five major merger cases
5 that have actually been brought by the agencies that
6 have reached the courts.

7 Again, the idea here being that there are
8 different propensities to travel for some of the
9 services within that cluster, that people will travel a
10 great distance for some services, but not those services
11 that are only within the primary care inpatient services
12 cluster. So, there actually has been something of a
13 tendency to move towards breaking apart the cluster in
14 some recent decisions, or some recent cases brought.

15 Just by way of looking at some background now, I
16 just want to address the first of my two questions. Is
17 the standard hospital product market definition too
18 narrow? I think the first major question that has to be
19 addressed there is one of outpatient services, and as we
20 saw a second ago, outpatient services, with the lone
21 exception of the Carillon decision, have always been
22 excluded from the product market in all cases, and
23 generally, although sometimes the parties will try to
24 bring outpatient services into the market, even
25 sometimes the defendants in the cases will concede that

1 outpatient services are not a part of the product market
2 in hospital merger cases.

3 Again, the seminal decision, the seminal case
4 talking about why outpatient services are excluded is
5 Judge Posner's decision in the Rockford case, in which
6 he says that, yes, there has been this evolution over
7 time where many services that formerly could be provided
8 on an inpatient basis are now being provided on an
9 outpatient basis, but the reason that they're shifting
10 from an inpatient venue to an outpatient venue is not
11 because of these small kind of noncost justified price
12 increases that are the concern of antitrust but rather
13 because of technological change, that once a particular
14 service can actually be performed on an outpatient
15 basis, it will be. It will quickly switch from the
16 inpatient forum into the outpatient forum. The economic
17 pressures, the managed care payors, the government
18 through its public payors, will force that procedure
19 from the inpatient venue to the outpatient venue, and
20 that there's not really a margin of decision between the
21 two.

22 Again, I guess we can have our panelists and
23 others address that, that certainly seems to be
24 something the Commission is interested in, to the extent
25 that still holds water, that's certainly something that

1 has become very standard in product market definition
2 cases. In hospital merger cases.

3 Secondly, other exclusions that -- other kinds
4 of providers that have been excluded, include nonacute
5 care patient providers. Here I think about let's say
6 rehabilitation hospitals, nursing homes, chronic disease
7 hospitals, and these have generally been excluded on the
8 basis of there being: A) little demand side
9 substitutability, people with the acute care needs in a
10 hospital certainly could not turn to these to satisfy
11 their needs; and B) the idea of little supply side
12 substitutability as well.

13 The idea that -- and particularly I guess
14 Certificate of Need laws would be a major barrier in
15 most cases, even if these hospitals had much of the
16 infrastructure in place, Certificate of Need laws would
17 certainly be a major barrier for them.

18 Another exclusion is that of veterans hospitals
19 and active military hospitals. Again, here, if we're
20 looking at anticompetitive behavior among private
21 hospitals, the extent of the patient base that consists
22 of patients that could switch from these private
23 hospitals to a veterans hospital or an active military
24 hospital is just too small to really defeat that
25 hypothetical price increase that we talk about.

1 Is the standard hospital product market
2 definition too narrow? I don't think so, personally. I
3 don't think that -- at least the evidence that we've
4 seen suggests expanding that product market to include
5 the outpatient services or the other exclusions. Just
6 stepping back to on outpatient services a little bit,
7 when I was here at the Bureau of Economics, we certainly
8 looked for any kind of economic evidence, any kind of
9 economic literature on substitutability between
10 outpatient services and inpatient services, and I think,
11 you know, there were some papers circling around the
12 bureau from like 1969, 1971 that addressed the issue.
13 There really isn't a lot of research out there that I
14 know about on the issue, and certainly it's much --
15 certainly something that would be very called for.
16 There are papers that you can kind of maybe surmise that
17 they kind of look at some kind of general issues
18 surrounding substitutability of outpatient for
19 inpatient, but there's not really much literature really
20 addressing the issue.

21 Is the standard hospital product market
22 definition too broad, and one issue there is that of
23 specialty acute care hospitals. I heard our panelists
24 this morning talking a great deal about specialty
25 hospitals. They do come up from time to time in the

1 cases that are considered by the Commission. These
2 include things like women's hospitals, children's
3 hospitals, and in many cases they have been included,
4 but it definitely presents challenges for the standard
5 inpatient cluster approach.

6 You know, if I'm just going to include all of
7 those beds, all of the women's hospitals beds, it might
8 be a large hospital, it might make a merger that -- it
9 might make concentration not look particularly high, but
10 on the other hand, it may be very high in terms of
11 particular services that are outside the scope of what
12 that women's hospital or that children's hospital can
13 actually provide.

14 On the other hand, perhaps you decide to exclude
15 them, perhaps you consider a merger to be problematic
16 based on high concentration levels, but then there might
17 be issues to consider about payors, what can payors do?
18 Can they discipline the hospitals by perhaps shifting a
19 large percentage of the patients that they currently
20 send to these broader acute care hospitals to some of
21 these specialty providers.

22 So, there are definitely challenges involved in
23 acute care hospitals, challenges to the standard broad
24 product market approach that have to be considered.

25 And then, the heart of what I want to talk about

1 is just the overall hospital product market definition.
2 Is there some reason to perhaps break apart that cluster
3 to look at narrower treatments within that broader
4 cluster? And I'm going to talk about some work that I
5 again did with Louis Silvia back in '98, and looking at
6 that particular issue.

7 And, again, definitely we're looking at things
8 that are not demand side substitutes. These different
9 kinds of treatments are not demand side substitutes, and
10 as I said before, they might not even be supply side
11 substitutes. So, what does disaggregation necessarily
12 mean? What can it possibly mean for the market?

13 And what Louis and I did, we focused on two
14 regions in California, San Luis Obispo and Sacramento.
15 We tried to get two different types of regions, San Luis
16 Obispo was an area with small hospitals, I believe there
17 were about -- there were five hospitals, four
18 independent players, and this area is of particular
19 interest to people here at the Commission: A) because
20 it was the subject of a consent in 1997; and B) because
21 it was also the subject of the Commission's very first
22 hospital merger decision in the AMI decision, in which
23 that involved the same two hospitals in both instances.

24 So, what we did is we looked at how the analysis
25 might have differed if the standard cluster was used and

1 if various categories within the cluster were used. And
2 then we just looked at Sacramento, this was an area that
3 had larger hospitals offering a broader range of
4 services, and there we didn't consider any particular
5 merger, but just looked at how concentration and patient
6 flows might differ between the cluster and as opposed to
7 the individual service categories.

8 The data is from 1993, it uses OSHPD data, the
9 California Office of State Health Planning &
10 Development. As many of the health care practitioners
11 in the room know, California has wonderful data. A very
12 disproportionate percentage, probably, of health care
13 studies in this area take place or are focused on
14 California because California does have such wonderful
15 data for doing these kinds of analyses.

16 The hospital cluster was disaggregated using
17 Zwanziger service categories, Professor Zwanziger wrote
18 a paper, and in that paper, they broke -- they took the
19 DRG, the kind of standard classification system used by
20 many payors, used by Medicaid payors to classify
21 patients, they looked at the various DRGs within a
22 hospital, and basically saying that each of these DRGs
23 was a demand side market unto itself, there wasn't
24 really substitutability from the patient side among the
25 DRGs, is there any way that we can group those into some

1 kind of broader groups.

2 And what they did is they looked at -- they
3 emphasized the physician as the key input to the
4 hospital treatments. They said if a physician can treat
5 a particular -- if a physician can treat a particular
6 group of DRGs, then let's combine that into one service
7 category, and again, it was the least specialized
8 physician that could treat a particular group of DRGs.
9 So, if I'm a general practitioner and a general
10 practitioner can treat at least 40 DRGs, let's combine
11 those 40 DRGs into one service category.

12 If it's a heart surgeon, this heart surgeon can
13 treat ten different -- it's the least specialized
14 physician that can treat these ten DRGs, let's combine
15 those into another service category. And again,
16 Professor Zwanziger can correct me, I don't think he was
17 advocating these as being necessarily distinct markets
18 by any means, just I think it was a useful
19 categorization and certainly one that we relied upon for
20 our paper.

21 And, again, it's not necessarily clear that just
22 because a physician can treat these different DRGs that
23 a hospital can substitute between those as well. But
24 again, it's just a marker and it's very useful for our
25 purposes. And, again, I'm not advocating these as being

1 particular product markets either, I don't know what the
2 answer is to that.

3 The first observation that emerged from our
4 analysis is that the -- it took a -- not a very large
5 amount of these service categories to get to a very high
6 percentage of the hospital's admissions. In San Luis
7 Obispo, it took 17 of these service categories to get to
8 91 percent of the hospital admissions. In Sacramento,
9 it took 18 of these categories to get to over 90 percent
10 of the admissions as well.

11 Again, that was an interesting finding, and I
12 think it's something that, again, that further
13 consideration would be wise. This suggests, to me at
14 least, that part of the analytical economy argument for
15 having the cluster market may be somewhat misplaced. I
16 don't think 17 or 18 categories is necessarily
17 overwhelmingly burdensome, especially I think if some of
18 the kinds of antitrust cases that are brought nowadays
19 that are so data intensive, Staples and even the recent
20 cruise mergers investigation, I think that, you know,
21 those kinds of things are certainly not beyond the kind
22 of analytical power that we have here in the Bureau of
23 Economics or in the economists in the Economic Analysis
24 group over in the Department to handle.

25 Also interesting was that basically about the

1 same categories of both accounted for the top 90 percent
2 of admissions. There was a couple of exceptions,
3 certainly in both obstetrics was by far and away the
4 largest, and then I think it was followed by general
5 surgery, and orthopedics.

6 So, what do we do? We compare patient flows and
7 concentration for the entire cluster and for these top
8 Zwanziger service categories. I want to point out, as
9 I'm sure we'll come across later this afternoon,
10 numerous types of evidence are used in merger matters to
11 assess geographic markets. Patient flow data is one of
12 those inputs, and basically there are two kinds of
13 ratios that people look at, and Elzinga and Hogarty, who
14 wrote the seminal article on this back in the
15 mid-seventies, they have some fancy names for it, I
16 won't trouble you with those now, I'll just call them
17 the outflow ratio of the patients in a particular area
18 that received hospital treatment, how many stayed in the
19 area to obtain that treatment.

20 In-flow rate, of the hospital services provided
21 by hospitals in a particular area, how many were to
22 patients that reside in that particular area. If these
23 ratios are above 75 percent, Elzinga and Hogarty would
24 say that it is weakly -- the particular area can be
25 weakly categorized as an antitrust market, if both of

1 these are above 90 percent or if the average of both of
2 these is above 90 percent, the area can be strongly
3 categorized as a geographic market. So, again, the
4 rationale for that is never made clear, but it has
5 something that is definitely one input into geographic
6 market definition.

7 Again, I don't expect the people in the cheap
8 seats to be able to see this, but we compared these
9 patient flows in San Luis Obispo, we hypothesized three
10 different markets that were considered in these markets,
11 a city of San Luis Obispo market, the entire county, and
12 the county of Santa Maria, adding a little area that the
13 defendants argued should have been included that would
14 have added several hospitals.

15 The city markets really didn't meet any of the
16 Elzinga and Hogarty criteria in any of the categories at
17 the cluster level or at the individual service level
18 categories and basically it was because the inflow ratio
19 was too low. Too many people were coming from outside
20 the city and using the city hospitals.

21 When expanding it to the county, which is the
22 market that was accepted by the Commission, and the
23 courts in the earlier decisions, we see that the Elzinga
24 and Hogarty was not strongly satisfied, but certainly is
25 satisfied. But interestingly enough, while it is

1 satisfied at the cluster level, for about four of the
2 Zwanziger service categories (ZSCs), which accounted for
3 about 22 percent of the admissions, the weak criteria
4 were not met. And this was mostly because the outflow
5 ratio was too low, that people were seeking these
6 particular services outside of the county. So, there
7 was definitely some variability in the underlying
8 patient categories.

9 Just looking at that for Sacramento, as with
10 Sacramento, the city did not meet the Elzinga and
11 Hogarty criteria. The county did. And in this case,
12 the Elzinga and Hogarty statistic seemed to have amassed
13 even more variability. In this case, for about seven of
14 the 18 categories, which represented about 25 percent of
15 admissions, the criteria were not satisfied. Mostly
16 this was because the inflow criteria were not met, again
17 meaning that too many people were coming to hospitals
18 within the county from outside of the county, and in
19 both San Luis Obispo and Sacramento, to the extent that
20 the Elzinga and Hogarty criteria were not met for
21 particular services, this seems mostly to be for the
22 higher level services, things I think most practitioners
23 would categorize as higher level services, but there was
24 one category, GM miscellaneous, which does not seem to
25 easily meet that.

1 Again, we looked at the Herfindahl statistic,
2 which is kind of the measure of -- kind of a basic
3 measure of how competitive a particular area is, if it's
4 zero, that's great, that's very good, that's very
5 competitive. If it's 10,000, that means it's a
6 monopolist. And in San Luis Obispo, definitely there
7 was high concentration throughout -- throughout the
8 cluster, but there was a great deal of variability in
9 the underlying categories, suggesting that these
10 hospitals, that there was some variability between the
11 hospitals in terms of their specialization, that they
12 weren't all providing the same services.

13 On the other hand, for Sacramento, we had a fair
14 amount of uniformity throughout the cluster for
15 Herfindahl, fairly well represented the HH is at the
16 Zwanziger service level categories, and just that
17 observation emerged.

18 So, that was basically what we did. Again, we
19 looked at how many service categories were needed to get
20 to a large percentage of the hospital's admissions. We
21 looked at the patient flows at the cluster level and at
22 the individual service category levels, and then we
23 looked at the Herfindahl statistic at the cluster level
24 and at the individual patient level, and basically these
25 were the observations that emerged. We found that the

1 disaggregated approach involved relatively few inpatient
2 categories. We found that Sacramento seemed to have a
3 fair amount of variability in the patient flow
4 statistics between -- within the cluster as opposed to
5 the cluster overall, much less so in the concentration
6 statistics; but in San Luis Obispo, the opposite seems
7 to be the case. In San Luis Obispo, there seems to be,
8 again, a fair amount of variation in the Herfindahls,
9 but the patient flow statistics were fairly well
10 represented by the cluster.

11 What does it all mean? I think it means the
12 cluster can mask details in the underlying demand side
13 markets. What does that ultimately mean for the
14 reinvigorated enforcement programs of the Commission and
15 the Department? I'm not sure it has any predictable
16 effect on whether or not a particular practice or
17 transaction will be viewed as anticompetitive. On the
18 one hand, statistics at the cluster level that do not
19 appear problematic may mask anticompetitive issues in
20 the underlying categories.

21 Just because it looks problematic at the cluster
22 level doesn't mean that there might not be problems
23 underlying that, so it's something that the Commission
24 has to be aware of in its enforcement mission.

25 On the other hand, issues in the underlying

1 categories might complicate a case that looks
2 problematic at the cluster level. I think if you've got
3 a strong prima facie case at the cluster level, if
4 you've got high Elzinga and Hogarty statistics, if
5 you've got high concentration, I'm willing to bet that
6 there's at least a fair amount of services in the
7 underlying cluster where you're also going to find the
8 Elzinga and Hogarty statistic is high, then
9 concentration is high, but it's going to complicate your
10 story. You're going to have to look at some additional
11 issues. Can payors break apart that cluster? What are
12 the contracting practices like in that particular area?
13 So, it's something that we have to do a little bit of
14 extra homework just to make sure that there's nothing
15 like that going on.

16 Concluding thoughts? I'm sorry, my concluding
17 thoughts are questions, rather than answers, and I know
18 the Commission invited us here for answers, but I'll try
19 to answer them to some extent as I go along.

20 One observation, again, was that we found that
21 it didn't take a heck of a lot of services to get to a
22 large percentage of the hospital's admissions in these
23 two particular areas. Is there anything we can say? Is
24 there any way we can find out if that's generally the
25 case, that we can perhaps just look at a limited group

1 of services? Something I think would be amenable to,
2 you know, just general anecdotal evidence or actual
3 research that could be found out.

4 One question here that I'm sure is troubling
5 those of us that or those of you that are in charge of
6 reinvigorating the enforcement program, okay, great,
7 Sacher, you found some area of variability, but we're
8 not just going to always have the data to look at that.
9 You know, California is great. California has got all
10 this wonderful data, but not every state does that, and
11 we've got some really troubling things on our plate here
12 and we're not going to have that kind of data.

13 Well, I mean, it's one thing to think about what
14 to do, but maybe I would argue that maybe there is
15 always information available to address those issues.
16 Again, it may not be this nice, neat, state data that
17 you get in a little CD-ROM and you put it into your
18 computer and write a little status program and get your
19 answers one, two, three. Maybe it's going to be the
20 kind of messy data that you're getting and dealing with
21 a lot more now in these kinds of cases that you're
22 bringing, the cruise cases and again the Staples cases.
23 So, again, maybe the data is out there and maybe you can
24 get it. And of course it's all kinds of -- it's not
25 just data that goes into finding geographic markets.

1 Three, can rules of thumb be developed for when
2 concentration and patient flows at the cluster level
3 accurately represent concentration and patient flows for
4 services within the cluster? Again, we looked at two
5 different kinds of areas. How representative are they?
6 Are there rules of thumb, you know, based perhaps on
7 urban areas, rural areas, types of hospitals, the
8 providers that are there. Maybe sometimes, you know,
9 you can just blow this off.

10 And one thing I left off here, I think, another
11 wide open issue that definitely calls for more research
12 is to what extent can supply side substitutability
13 justify aggregating across the cluster. Again, I'm not
14 saying that those particular service categories that we
15 looked at would necessarily be antitrust product
16 markets. Maybe the ones you've already been using in
17 cases like the Butterworth matter where a primary
18 inpatient services cluster is the right one, and
19 actually I think the article by Dr. Zwanziger actually
20 implies that, because they actually advocate
21 agglomerating up these Zwanziger service categories into
22 bigger or broader categories.

23 So, in conclusion, even though, you know,
24 product market definition is not the hot topic, I think
25 there are definitely things that the health

1 practitioners are going to have to be aware of as we
2 look at, again, hopefully at hospital merger
3 enforcement, and not to be complacent and to take these
4 kinds of issues -- give these kinds of issues serious
5 consideration and to make sure that you're aware of
6 them.

7 Thanks.

8 (Applause.)

9 MR. ZWANZIGER: Thank you. I want to thank the
10 Commission for inviting me here. I really appreciate
11 the opportunity to present my thoughts on these areas.
12 I was starting to gather my thoughts. I realized what a
13 theme this issue of antitrust enforcement has been in my
14 work for a long period of time. In fact, looking back,
15 I found an editorial that I wrote in 1989 for the Wall
16 Street Journal which said -- which was entitled, A
17 Dangerous Concentration in Hospital Markets, so there
18 are perpetual themes as we go along in health care
19 policy.

20 One of the issues that I did want to explain is
21 that if you really are focused solely on product market
22 definition, then this will be a somewhat disappointing
23 talk, because as I discussed with the staff earlier, I
24 really am more interested in the geographic side, and
25 they assured me that as long as I did spend some time on

1 product market, I would be allowed to continue on.

2 Okay, let me get to the point right away and
3 then we'll try and support some of these statements. I
4 think that, you know, and this was one of the issues
5 that I raised in the editorial in 1989, is that the
6 concern that I had is that the Elzinga-Hogarty approach
7 really is poorly suited to hospital markets. I
8 understand that there are no prices, so we do have to
9 look at patient origin data, but the problem is that
10 Elzinga-Hogarty does not recognize the underlying
11 heterogeneity on the supply side, and especially on the
12 demand side, and we'll talk a little bit more later on
13 about what the sources of that heterogeneity are.

14 And as a result, the product markets that -- the
15 markets that result are too large and they do not
16 accurately reflect the actual empirical effects of the
17 mergers that are taking place.

18 All right, let's go back to sort of how I get
19 there. The first thing I would want to say is -- and I
20 think this is empirically pretty strongly supported,
21 that selective contracting by managed care plans has
22 promoted possible price-based competition, and that
23 prior to that, that the source of competition was really
24 nonprice, quality-based, cost increasing competition.

25 And, therefore, and I think this should also be

1 relatively uncontroversial, therefore part of the
2 antitrust enforcement effort must be to protect this
3 capability of selective contracting to function
4 effectively.

5 Now, this third part probably is not quite as
6 uncontroversial, and therefore, market definition as
7 part of an antitrust analysis must assess how this
8 transaction would affect selective contracting.

9 All right. Now, going back to sort of the basic
10 issue that antitrust -- that managed care plans have to
11 do, when they put a network together, they have a
12 fundamental trade-off which they have to deal with, and
13 that deals with what is the value of each hospital to
14 the network that they -- and ultimately to their
15 beneficiaries? And therefore they have to trade off the
16 access of services, the travel time that patients
17 prefer, quality perceptions, and low prices. And all of
18 those are factors that they have to use when they put
19 together a provider network.

20 Now, one of the things that's important to
21 realize is that if you have an individual hospital in
22 your network that wants a somewhat higher price, because
23 they have some desirable characteristic, such as the
24 fact that they dominate a particular part of your
25 market, then you're likely to give that, because if you

1 actually go through the calculation, you know, hospital
2 services are 30 percent of your total premium dollar,
3 you know, that one hospital may be less than 10 percent
4 of your hospital market.

5 So, once you go through the calculation of the
6 difference between a 5 percent and a 10 percent price
7 increase to an individual hospital, it really probably
8 doesn't pay if you're going to alienate part of your --
9 an important part of the market in which your
10 beneficiaries reside.

11 All right, why don't we get to hospital products
12 to actually, you know, pay for my invitation. What I
13 want -- I think it's important, and this is really the
14 area where I have done some work, is looking at the
15 inpatient side. And it's important to recognize that
16 the bulk of hospital revenues are still on that side of
17 the market. And that, in fact, recent trends suggest
18 that that part is starting to grow again.

19 So, where for a long time the inpatient part was
20 shrinking, absolutely, that trend seems to have been
21 reversed, and as time goes on, I would expect that the
22 aging of the population and increasing severity of the
23 diseases that they're treating would mean that this is
24 going to be a stable growing part of hospital services.

25 Now, again, I'll go through this quickly,

1 because Seth has been kind enough to go through this.
2 If you look at different ways of splitting up these
3 services, if you look, then you come up with basically
4 50 different categories if you look based on supply side
5 consideration.

6 Now, if you look on the patient side, it becomes
7 even more disaggregate, again, as Seth said. I think
8 from the plan point of view, they don't look at it quite
9 that finely, and they probably look at primary,
10 secondary and tertiary centers. In fact, you know, we
11 have looked at some data looking at contracting
12 patterns, and it does suggest that, in fact, that is the
13 way they view things.

14 So, for example, in every market that we looked
15 at, where there is a tertiary center, then every plan,
16 without exception, had at least one tertiary center in
17 their network. So, I think that, you know, this is not
18 coincidental. I suspect that that's because they really
19 regard having one tertiary center at least is an
20 important part of their ability to compete effectively.

21 On the outpatient side really, I'm reluctant to
22 spend very much time, because I haven't done very much
23 work, and this is purely sort of my impression, but I do
24 think that there probably is a distinction between the
25 primary care, the ED, to a secondary degree, and the

1 primary clinics from the specialty clinics, where the
2 primary clinics really provides more of a service to
3 vulnerable populations, and the specialty clinics
4 probably less. And, you know, is much more competitive
5 with some of these outpatient facilities that we've
6 talked about.

7 Now, why don't we -- and actually it does make a
8 difference, and the way we calculated the Herfindahl,
9 I'll get back to, but if you look, if you just have all
10 of the inpatient services aggregated as a single
11 service, versus the three, it doesn't make much of a
12 difference of the Herfindahl, but if you actually go all
13 the way to the 48, then it really does make quite a
14 difference, and that suggested that this may be a
15 problem if you try to do that.

16 Now, just to make it clear, the source of this
17 data is National Medicare Discharge Data. So, in some
18 of the categories like obstetrics, obviously it's going
19 to be totally unrepresentative of the general
20 population.

21 All right, why don't we get to sort of an overly
22 simplified view of patterns of hospital markets. As you
23 look at -- if you look at patient origin data and you
24 trace through where they get their patients, then you
25 see this, you know, this obviously simplified view where

1 they're partially overlapping service areas from which
2 they get their patients.

3 Now, the point of -- the point of that is that,
4 you know, this becomes incredibly messy in urban areas
5 where you have two-dimensional overlapping, some are
6 much bigger, some are much smaller and so on. So, what
7 does that mean? It means that when you try to define
8 hospital service markets, then it becomes difficult
9 because you start noticing that there's overlapping
10 markets, and you could argue that that doesn't really
11 matter, that you would have arbitrage across markets,
12 and so therefore you would have this huge unified market
13 that antitrust analysis tries to create.

14 Now, the problem is that that assumes that a
15 patient is a patient. Okay? It's saying that, you
16 know, if a patient comes from an area to a hospital,
17 then we're going to count them all equally. It doesn't
18 really reflect the fact that patients choose hospitals
19 for very different reasons, and it doesn't -- it does --
20 now part of that is really the product market issue.

21 So that if you have product markets, maybe
22 you'll be able to distinguish some of these things where
23 people travel further for more complex tertiary services
24 for more basic services they would want to go -- they
25 would want to stay in a more local area. But even in

1 those cases, it doesn't deal with unmeasured severity
2 differences.

3 So, for example, you have a patient who has a
4 pretty simple hospital service needed, but they're a
5 complicated patient because they're highly diabetic,
6 because of other complications, and therefore they have
7 to travel quite a ways to a tertiary center to actually
8 take care of the service. It doesn't measure
9 differences in patient preferences, so some patients are
10 much more willing to travel really long distances
11 because of quality differences that they perceive, or
12 because of religious affiliation.

13 So, no matter how you deal with that, you're
14 going to have this sort of -- this squishiness that
15 you're going to have to deal with when you come to
16 hospital markets. And as a result, when you do the
17 Elzinga-Hogarty approach, you're going to see these
18 patient flows in and across boundaries that suggest that
19 these really are very large markets.

20 Now, the problem is that, you know, that
21 doesn't -- those size markets are really incompatible
22 with a lot of our knowledge about, for example, the fact
23 that patients really do not want to travel very far. I
24 mean, any study of patient choice of hospitals finds
25 that travel distance is by far, by far, I mean, you

1 know, if you've done these studies, you see how much
2 bigger travel distance is as a selection criteria than
3 any other thing that you can put into that model.

4 And, in fact, we see that managed care
5 contracting really reflects that preference, because
6 there have been several studies, including mine, that
7 looked at how has travel distance been affected by
8 managed care contracting. Now, you would expect that if
9 it wasn't really an important factor, then managed care
10 contracts would require people to travel a lot further.

11 Now, surprising, if you look in California, over
12 a period of time when managed care penetration went from
13 about 20 percent to about 90 percent, the average travel
14 distance almost did not change, no matter what the level
15 of the competitiveness of the market. Now, that
16 suggests that there's a very strong preference for the
17 local hospital, and that's something that the
18 Elzinga-Hogarty analysis totally misses when they create
19 these huge markets.

20 Now, so how would we approach this? This would
21 be, I agree, a totally different way of viewing it, but
22 the thing that we would say is, because of the fact that
23 we're dealing with managed care contracting, and the
24 fact that they have to satisfy the needs of their
25 beneficiaries, then what they have -- what you should

1 start with is looking at what are -- in as small
2 geographic area as possible, what are the actual
3 hospital alternatives that are available to these
4 patients, and how competitive are these alternatives?
5 And practically speaking, because of the way the data
6 is, we use zip code areas as being our unit of analysis.

7 The second aspect that we would suggest is that
8 you really have to create hospital-specific markets and
9 hospital-specific measures of concentration, okay? And,
10 you know, important to say that, because, you know,
11 Elzinga-Hogarty has become sort of sanctified, but it's
12 really a theory which is supposed to connect these
13 concentration measures and these measures of actual
14 behavior. I mean, what Elzinga-Hogarty markets, as any
15 markets in this analysis are supposed to do, is to say
16 this is a prediction as to how these actors will behave.

17 Now, what we found is, you know, and this is the
18 most clear-cut cases, the paper that Len Melnick and I
19 published in 1992 in the Journal of Health Economics,
20 that in fact, if you put side by side the
21 hospital-specific measures of concentration, and counter
22 based ones, which are generally actually a little
23 smaller than the Elzinga-Hogarty one, then the
24 hospital-specific measures of concentration are much
25 better empirical behaviors of price differences.

1 And what that suggests is that you really do
2 have to go back and say, what is the meaning of going
3 through these mechanical Elzinga-Hogarty calculations if
4 in the end you end up with a measure which doesn't
5 really predict what prices are going to look like? And,
6 you know, if you think about it, it makes a lot of
7 sense, because what you're really saying is if you have
8 these huge markets, then every hospital within that huge
9 market has the same concentration level that they're
10 acting under. When they contract with the managed care
11 plan, that's clearly not true.

12 Now, in terms of the description of how we would
13 approach it is being published in several of the papers.
14 I don't want to go into the details, but the point of it
15 is that then you would be able to calculate a
16 Herfindahl, which is the weighted average for the
17 service area that each hospital serves. So, you would
18 end up with a hospital-specific measure of the
19 Herfindahl.

20 Now, you could then generalize that for either
21 actual or proposed mergers to see what the effect of the
22 merger would be on measures of concentration. And just
23 to give you a sense of how that -- using again national
24 Medicare data, that if we started looking at what are
25 the Herfindahls over time, you can see that there has

1 been some increase in actual hospital level
2 concentration, forgetting about the fact that these
3 mergers have taken place, just because I think of
4 closures.

5 So, you have some increase in concentration, but
6 by 2001, you have a very substantial increase in
7 concentration, because of this increase in this merger
8 activity. I think just to go back to this issue of
9 systems, there's clearly, you know, there's a lot of
10 anecdotal stuff in the newspapers about the impact of
11 mergers. There have been some papers that have been
12 published. I think the results are really inclusive in
13 the sense that there's a lot of variation. Part of that
14 is because of definitional differences, part of that is
15 just because analytical approaches were somewhat
16 different.

17 I think that, you know, clearly, this is where
18 the researcher in me says that more research is needed
19 and, you know, obviously we are going to look for some
20 agency that's willing to fund it.

21 Just a couple of final points. There is a lot
22 of variability which I suspect really exists at the
23 strategic level as to how -- you know, the other thing I
24 would say, this is preliminary data, I'm not willing to
25 be cross examined on the numbers here, so, but I think

1 that they are pretty close to being right.

2 There's a lot of differences in terms of how
3 systems affect the competitiveness of member hospitals.
4 So, this one is, for example, the one in a relatively
5 small MSA where it has had a fairly small effect on the
6 HHI. If you look at Cleveland, Cleveland system, you
7 have a much larger urban area, and yet it's resulted in
8 a huge increase in the relative concentration of the
9 markets, because I suspect that if you looked at these,
10 if you disaggregated the hospital-specific markets, of
11 the hospitals in there, they're tightly clustered. And
12 there's a lot of overlap in the services in the
13 geographic areas and service areas that they serve.

14 One last point, managed care by itself does not
15 result in cost savings. There has to be an
16 interrelationship between the managed care and between
17 hospital competitiveness. If you have concentrated
18 markets, then managed care will not provide substantial
19 savings.

20 Thank you.

21 (Appause.)

22 MR. HYMAN: I would like any of the hospital
23 witnesses that would like to participate in the
24 roundtable to come up. We had hoped that at least one
25 or two of them would still do that.

1 MR. HEYER: I thought I would start by trying to
2 help Professor Zwanziger cover his travel expenses by
3 asking a question that links some of his discussion more
4 tightly to product market. He got a lot into the
5 Elzinga-Hogarty issues, and I was wondering whether it
6 might be fair to analogize the Elzinga-Hogarty test's
7 flow data, let's say, for the geographic markets, to
8 perhaps concluding that when it comes to product market,
9 if we saw 10 percent or 15 percent for a particular DRG,
10 let's say, being handled outpatient, rather than
11 inpatient, it might under the logic of the
12 Elzinga-Hogarty spirit suggest that outpatient is in the
13 same relevant market with inpatient.

14 MR. ZWANZIGER: Well, you know, DRGs are only
15 assigned generally for inpatient services. You mean
16 sort of --

17 MR. HEYER: Let's say a same sort of procedure,
18 right. And I would be interested in hearing from Ms.
19 Beeler, also, whether there do, in fact, seem to be lots
20 of procedures that have a nontrivial amount of provision
21 in both inpatient and outpatient at one and the same
22 time, maybe getting into what Professor Posner was
23 suggesting that it's either all one or all the other.

24 MR. ZWANZIGER: Well, I guess, you know, I'm
25 reluctant to go in that direction. I think to the

1 extent that you do observe that, I mean, I think that
2 there's a couple of hypotheses you could make. I mean,
3 one is that for whatever reason, the people in that
4 market are sort of slow in adopting state-of-the-art
5 technologies. I think part of it might be a technology
6 adoption issue.

7 So, for example, you know, we were talking
8 about, you know, cataract surgery. So, at one point it
9 was not inpatient, now it's not outpatient. I think
10 that if you have a cataract surgery that's not inpatient
11 now, then there's generally something very different
12 about that patient.

13 And, you know, it may not appear obviously just
14 from the secondary data, it will show cataract surgery,
15 same procedure as the outpatient, but no patient would
16 be operated on as an inpatient unless there were
17 something seriously wrong with them and that the
18 outpatient facilities didn't really feel comfortable,
19 they thought it would be too risky to actually treat the
20 patient that way.

21 MR. HEYER: So, in that sense, a similar
22 criticism might be made as is made in the geographic
23 context of just saying something is in or out based on
24 some fraction of people seeming to use one.

25 MR. ZWANZIGER: I think that there is a period

1 of time where both types of services would coexist, you
2 know, so as -- but, you know, as surgeons become
3 comfortable with different ways of dealing with it, then
4 I think, you know, I mean it's amazing, if you look at,
5 for instance, defibrillators, you know, those are the
6 things that if you go into an arrhythmia, that shock your
7 heart back into. So, if you go back eight, nine years,
8 it was a major operation to implant the defibrillator,
9 and now it's done on an outpatient basis. And I don't
10 think that very many patients would want to have their
11 chest cut open, you know, because you can actually do it
12 now where, you know, where that's not necessary.

13 So, I really do think that these are more
14 deterministic than sort of competing.

15 MS. BEELER: I agree. We'll use cataract
16 surgery, 95 percent done on an outpatient basis today,
17 but those are done on an inpatient basis because the
18 patient has another disease level. I think the move
19 from inpatient to outpatient clearly has been changes in
20 technology, changes in anesthetic agents, changes in
21 pharmaceutical agents, and look forward to seeing more
22 and more of that development.

23 MR. HYMAN: Yeah, this is for Mike and I think
24 to a lesser extent, I think, for Ralph, and it's more of
25 a geographic market question than a product market

1 question, but I think you can speak to each of those.
2 The question would be in your negotiation with payors,
3 to what extent does sort of the distance of the patient
4 population from a particular facility enter into
5 discussions about what will be included in networks or
6 is it sort of you offer a -- you have to take all of the
7 individual hospitals? And I guess the sort of related
8 point is they already know how far they can push people
9 so there isn't much negotiation about that. I would
10 just ask the extent to which any of this enters into
11 your contract negotiations.

12 MR. RYAN: Not very much. And because we have
13 our hospitals in two geographic areas, one of which in
14 Maryland is covered under the health services cost
15 review commission, so that there are fixed rates for --
16 each hospital has fixed rates, and those, I guess in
17 Maryland, because we have rates and we're not
18 negotiating rates with managed care companies on
19 individual bases, there is some geographic. They want
20 to have -- they want to make sure that they have
21 geographic coverage of the hospitals, but I think that's
22 about the extent of it there.

23 Here in the District of Columbia, where there
24 are fewer hospitals, we do have more of geographic
25 leverage I think by having a very large tertiary

1 hospital in the university hospital that they want to
2 have in their systems.

3 As far as where the patients come from, they are
4 attracted based upon the services we offer, and the
5 managed care companies have to take those into
6 consideration. Washington Hospital Center has a very
7 large heart institute, Georgetown, of course, is
8 associated with Lombardy cancer center. Washington
9 Hospital Center also has a cancer center, so those are
10 attractions. And Union Memorial in Baltimore, we have
11 the upper extremity hand center, which is widely known
12 as a trauma center and also a referral source for a
13 large geographic area. So, those things are taken into
14 consideration, but they're really specialty things.

15 And most of those, I'm having a hard time
16 identifying with all the antitrust conversation. One
17 part of me says I would like to have an HHI as high as
18 possible, because it sounds to me like I've got a lot of
19 leverage, just below the threshold of the Justice
20 Department, obviously, but, you know, in our experience,
21 and Ralph probably -- well, he's got a specialty
22 hospital, but my experience is the patients are
23 controlled more by the physicians, and some patient
24 preference, but an awful lot by physicians and their
25 referral patterns. And this comes home to us frequently

1 when a program which we will have helped develop around
2 a particular physician shows great shrinkage when
3 someone else recruits that physician away. And it's
4 almost an automatic thing.

5 So, when you're doing your statistics on a
6 hospital, you're doing your statistics on a pile of
7 bricks and mortar with a group of physicians that happen
8 to be there at any particular time that can show
9 significant change by the transfer of a couple of
10 physicians.

11 Example, we opened a heart surgery program at a
12 hospital in Baltimore several years ago, and brought up
13 to that hospital a physician from Washington Hospital
14 Center, where they have very large heart program. We
15 estimated and anticipated 200 or 250 cases in the first
16 couple of years. By the end of year two, they were at a
17 run rate of around 500 cases.

18 This particular physician in his reputation and
19 his service to the public and his quality of service
20 built that program from basically zero to a thousand
21 cases in less than five years. So, it's really
22 physician related in our institutions.

23 MR. ANDREW: I'm not directly involved in the
24 contracting process, but I would certainly agree with
25 the comments made both by my colleague from the

1 ambulatory surgery association with respect to the shift
2 in venue from inpatient to outpatient and the reasons
3 therefore, and similarly predict there will be even more
4 of the same.

5 With regard to Dave's comments, I, too, am not
6 really into all the nomenclature of the antitrust
7 business, jokingly we originally thought that HHI was a
8 kind of hospital health index of some sort, and so, you
9 know, a high index has to be a great thing. But that's
10 only because I know that a minus 10 percent negative
11 margin is not a healthy hospital index.

12 With respect to patient origin, there are just
13 enormously different markets that relate to the
14 specific -- what you would sometimes say DRGs, but on
15 the outpatient side we say APCs, ambulatory payment
16 classification system established by Medicare, and that
17 is, in simple English, if you are doing a standard
18 cataract, then geography and locality, people do come
19 from, you know, neighboring communities. There are only
20 11 specialty ophthalmology hospitals in the country, two
21 of which are in New York, and therefore, when you're
22 treating Graves disease, when you're treating, you know,
23 a very specific disease entity with significant
24 specialty, then Dave's comments are that's
25 physician-driven.

1 I mean, they go and they look, whether it's on
2 the Internet or it's through a local network affiliation
3 for a referral, for a specialist in that, in spacial
4 plastic reconstruction of, you know, after a severe
5 trauma or accident of restoring the, you know, the
6 orbital bit, those patients come literally from across
7 state lines and in some cases, only 3 percent, but from
8 across the country.

9 So, they sort of fall outside of the other
10 analysis. It's not dissimilar to your earlier comments,
11 gentlemen, on, you know, obstetrics and gynecology
12 admissions versus other more specialized medical cases.
13 The same is true, I think, in the specialty care.

14 MR. BERLIN: Yeah, I'll pose this question to
15 the two remaining hospital representatives, but I think
16 the point was made by Mr. Shelton. He called on the
17 antitrust agencies to address the hospitals' lack of
18 leverage in negotiating with health plans. I assume
19 that hospitals would want greater scrutiny of future
20 health plan mergers and consolidation, but my question
21 is, what about the existing status quo? Do either of
22 you two gentlemen, and I'm sorry to follow up with a
23 point somebody else made with a question to you, but
24 would you have the specific recommendation to resolve
25 the current situation or the lack of leverage, if you

1 see that, that's existing right now, vis-a-vis hospitals
2 versus health plans?

3 MR. ANDREW: I think these issues are all in
4 their infancy, and obviously are headed for the
5 courtroom, among other places, as to what are the
6 boundaries with respect to the -- what some have
7 described as extortionist or other tactics of the health
8 plans. You know, if there's economic incentive on the
9 credentialing side, for which hospitals have been
10 criticized, rightly or wrongly, then certainly there is
11 going to be a sort of review in the very immediate
12 future, whether you can summarily cancel the contracts
13 of physicians if they send their patients to hospital,
14 and per the aforementioned comments, we think on some of
15 the quality control issues, those are going to go right
16 to the court to say, well, we're not going to pay for
17 the pathology to look at it to see whether a specimen is
18 really deceased or not. You know, I don't think that
19 that's going to stand up to public scrutiny.

20 So, I don't certainly have the answers in the
21 short run, because I think this whole area is in flux,
22 or if it's a cop-out to say it depends, but I believe
23 that there will be some new definition.

24 I just heard a variety of people, you know,
25 giving a very important overview, and while that says

1 the hearings on health care and competition, I find most
2 of the focus to be on hospitals. Now, maybe that's
3 because that's just this particular session, but I
4 haven't heard about the, you know, dozens or whatever of
5 retrospective reviews of these health mergers. I mean,
6 it was Aetna, then it was Aetna/U.S. Health Care, then
7 it was Aetna/U.S. Health Care/Prudential. Now you put
8 those three together, and the marketplace has changed,
9 at least in New York I can say that matter of factly.

10 MR. RYAN: I'm not directly involved in the
11 managed care negotiations, but we seem to have a
12 sufficient number of managed care companies here that we
13 do have some competition still.

14 MR. HEYER: One other question that I would like
15 to get Seth involved, also, and also for Jack, you did
16 some looking in your studies and your work at what the
17 change in concentration might be, if you looked at
18 cluster markets versus if you looked at individual
19 procedures. Getting at whether that makes any
20 difference, other than we get to put down different HHIs
21 in our memos of whether to investigate, is there any
22 evidence as to what the relationship is between HHIs,
23 whether for cluster markets or for individual
24 specialties, and the actual performance of the
25 marketplace?

1 MR. SACHER: Sure. I mean, there's certainly
2 literature out there that relates concentration to
3 prices, and --

4 MR. HEYER: In hospitals or in subspecialties?

5 MR. SACHER: Hospital matters, and generally I
6 think it looks at kind of overall hospital prices that
7 might be measured for a particular managed care plan,
8 what their kind of contracting rates are, or maybe just
9 some kind of overall charges measure. There's
10 certainly, I think they've generally found that
11 competition matters in hospital markets, that there are,
12 you know, some kinds of price increases with that. Of
13 course you can always call into question these kinds of
14 studies, ours is called into question quite often.
15 Market definition is an issue with those, and other
16 kinds of econometric issues come into play.

17 And if I might do a plug, there's a great paper
18 by Sacher and Vita which actually looks at a case study
19 of one particular merger, an even better methodology of
20 looking at one particular merger, and doesn't give -- it
21 kind of obviates the need for some of this market
22 definition and did find actually some significant price
23 increases.

24 MR. HEYER: And what was the range, I mean, that
25 one you probably know a fair amount about, but I don't

1 know whether you could generalize to other studies as to
2 where you tend to get these effects. It's presumably
3 not going from ten to nine competitors, presumably you
4 didn't look at merger to monopoly, that would be a
5 little more obvious, you might get an effect. I was
6 wondering where you --

7 MR. SACHER: We did, we found very substantial
8 price increases where it was basically a three to two or
9 maybe even two to one kind of situation. I think some
10 of the -- again, I'll let Dr. Zwanziger and those other
11 experts here, I think, I mean, you might be looking at
12 four to three kinds of mergers, getting 10 percent kinds
13 of price increases and maybe the drop of one or
14 something of that nature rings a bell.

15 MR. ZWANZIGER: We didn't really find any. We
16 looked for thresholds, but generally we found that, you
17 know, that a continuous, you know, concentration measure
18 was appropriate and, you know, there would be, you know,
19 there would be price increases at every stage --

20 MR. HEYER: So, it wasn't clearly driven by,
21 say, two to ones, you could maybe remove those and you
22 would still see an effect you're saying?

23 MR. ZWANZIGER: No, in fact, we actually tested
24 to see if you -- if it makes sense across the whole
25 range, and it did. It seems pretty uniform, actually.

1 Going to your initial question, I've never done
2 that comparison. I've never actually sort of -- the way
3 we did looking at county-based versus these
4 hospital-specific market as to which one would be a
5 better predictor. I've never done one which is, say,
6 all discharges and the 48 service category base, so I
7 don't know what the comparison would be.

8 MR. HYMAN: This question is for Carol. I mean,
9 in the earlier panel, there was, I think, not
10 invariably, but a significant number of concerns by
11 almost I think every panelist about the competition from
12 new entrants, both specialty hospitals and the
13 ambulatory surgery centers, and I wanted to give up the
14 opportunity to respond to that directly, especially
15 because words like "unfair competition" and
16 "cream-skimming" were used, and so I would just like
17 you, if you could, to just say a few more words on that
18 subject.

19 MS. BEELER: Sure, I would be glad to. First,
20 on the cream skimming, if you look back to when Wally
21 Reed started the first ambulatory surgery center, in his
22 article, that's been going on, you know, that comment
23 has been going on since 1972. We take healthy patients,
24 there is no doubt, and I think that indeed the
25 reimbursement should be, some day, somehow, that the

1 reimbursement is for the acuity of the patient. If the
2 patient is ill and belongs in the critical unit of the
3 hospital, then that's what the reimbursement should be.
4 If indeed it is a well patient that happens to need
5 surgery, then I think that's what the reimbursement
6 should be. And that's what's happening in the surgery
7 centers. We're looking at fairly healthy patients,
8 class ones, twos and threes, and with that we've been
9 able to decrease the cost of surgical care for those
10 patients.

11 Now, the one part I will contradict is, I do, in
12 my centers, do Medicaid patients. If a physician
13 approaches me and it's to do an indigent patient, we do
14 do indigent patients. So, I think that reputation and
15 just taking the cream of the crop, is somewhat unfair.

16 MR. HYMAN: And if I can just follow up with
17 that. Ralph, you commented unfavorably on the proposal
18 to pay at the lower of the rate as long as the same
19 service was being performed in multiple locations. But
20 it is an acuity adjusted in either direction at this
21 point. So, I guess the question is, if it were acuity
22 adjusted in some fashion, would you be equally
23 unfavorable to an approach of paying at the lowest rate
24 that the services could be obtained from whomever, or
25 does this implicate your larger question about public

1 goods?

2 MR. ANDREW: Well, I think it definitely
3 implicates the larger question about public good. I
4 think that acuity should be taken into account, we do it
5 in the classification of many other things, except that
6 we don't often look at these secondary comorbidities and
7 so on to which Carol has alluded. I think that the
8 notion of competition or when Crane had said, you know,
9 you could expect to have almost a 20 percent lower cost
10 in a freestanding ambulatory surgery center, many came
11 to the hospital and said, is this true, is this
12 possible? And I think instead of being defensive, it
13 was, most certainly, I think there were -- there was
14 a -- it was not a great surprise. I think if you just
15 look at the questions that were raised, the issues that
16 were raised this morning about infrastructure and
17 operating 24/7, and, you know, paying extra for the
18 nurses who come in on the late shift who are there
19 for -- and actually if those costs are spread across all
20 procedures and all patients, if you're going to hire
21 social workers to deal with patients' needs upon
22 discharge, then by definition, if you're going to have
23 the anesthesiologist on staff instead of roving.

24 I don't need to go through the whole list or
25 make it again, but I think those things have to be taken

1 into account and then finally, I think we do have the
2 questions that Denny raised at the end, which is what do
3 we want? Do we want to preserve our community hospitals
4 in this country? Especially in areas where they're
5 nearly the only service providers, and I don't think
6 there is any economic model that could suggest if you
7 take whatever the percentage is, two-thirds or 75
8 percent of a particular kind of cases away from that
9 community hospital and do it in another setting, and
10 this applies to physician offices as well, which are
11 even less regulated and there are even bigger questions
12 being raised, especially with regard to plastic surgery,
13 where I think for the first time there have been some
14 quality questions, and I don't question the quality in
15 these other facilities at all.

16 So, I think that we're in that -- currently in
17 that never-never-land where we have to decide what is
18 the value of our community hospital and what do we want
19 to do to preserve it.

20 MR. HYMAN: Well, I would like to thank all of
21 our panelists for an excellent session, and we're going
22 to break until 1:30. There are suggestions for lunch
23 possibilities on the table outside, if you don't know
24 the area. And can I please get a round of applause for
25 all of our panelists.

1 (Applause.)

2 (Whereupon, at 12:01 p.m., a lunch recess was
3 taken.)

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1 AFTERNOON SESSION

2 (1:30 p.m.)

3 MR. HYMAN: I now just want to turn this over to
4 Sarah Mathias, my partner in crime, who is going to run
5 the session on geographic markets.

6 MS. MATHIAS: Actually, I am joined here by Ken
7 Heyer at the Department of Justice antitrust division,
8 so we're actually corunning this, I think, it would
9 probably be the better term. Like David said, welcome
10 to this afternoon's session. We are going to be looking
11 at geographic markets, and hopefully starting the
12 controversy and hearing with some good ideas and
13 ferreting out new ways or better ways or if we already
14 have the right way to look at this to continue with what
15 we've been doing.

16 We plan to go until about 5:00 this afternoon.
17 We hope you can stay with us, although we do understand
18 if anybody wants to dart out quickly after what David
19 just announced. We could spend a lot of time talking
20 about the qualifications of all of our panelists, but we
21 would actually rather spend more time focusing on the
22 issues. So, we do have a hand-out for everyone with
23 everyone's biographies, but I would like to run through
24 our distinguished panelists quickly so that everybody
25 knows who's here, give a short introduction, and then

1 we'll move on with the session.

2 First we have Meg Guerin-Calvert, she's a
3 well-regarded economist and a principal at Competition
4 Policy Associates. Meg has had practice before both the
5 federal antitrust agencies as well as in private
6 litigation.

7 Greg Vistnes is Vice President at Charles River
8 Associates here in Washington. He specializes in
9 economic analysis of antitrust and competition issues.
10 Greg is a recognized expert in the health care industry.

11 Barry Harris is currently a principal at
12 Economists, Incorporated, and has offered expert advice
13 in numerous proceedings involving health care issues.

14 Ted Frech is a Professor of Economics at the
15 University of California, Santa Barbara, and an adjunct
16 scholar at the American Enterprise Institute in DC. Ted
17 has served as a consultant and as an expert witness for
18 both government as well as private parties.

19 Finally, Greg Werden, on my far left, is a
20 Senior Economic Counsel at the Antitrust Division at the
21 United States Department of Justice. Greg has published
22 numerous articles on antitrust policy, including market
23 delineation and hypothetical monopolist paradigm.

24 The agenda for this afternoon is quite simple.
25 We want to listen and then ask a lot of questions. We

1 hope that as we go along, the panelists will feel free
2 to ask each other questions. We do want to have an
3 interchange of ideas here and think that you all are
4 eminently more qualified at least than me to ask each
5 other good, deep questions, and I hope you will feel
6 free to do that.

7 And as we have a lot of speakers, one way that
8 will help Ken and I moderate this and to figure out who
9 should go first, if a lot of people want to speak on one
10 issue, if you just kind of turn your name tent, that way
11 I'll make sure you get recognized. It seems silly, but
12 it's something that has worked in the past for some of
13 our panels.

14 Actually, I would like to start and ask Meg to
15 start off and then we'll proceed in this order.

16 MS. GUERIN-CALVERT: While we're waiting for the
17 fancy technology to actually work, I want to thank Sarah
18 and Ken in particular for moderating the panel. It's a
19 great honor to be on the panel with these other
20 panelists who cover many, many years, if not to date us
21 all, decades of experience working in mergers generally,
22 but particularly in the health care area on today's
23 topic, defining geographic markets.

24 And just to give you my perspective is that
25 while I think there is a great deal that is unique and

1 specific about health care and hospitals in particular,
2 the same kinds of principles and the same kinds of
3 fact-intensive analysis that is used in all other
4 industries is the approach that I think works best for
5 analyzing competition and the effect of particular
6 transactions in the hospital industry.

7 What I would like to do, after having talked
8 with Sarah and David Hyman, is to give a brief overview
9 of the issues that we're going to be talking about
10 today, which I know my colleagues are going to be
11 talking about in much greater detail, as well as in the
12 discussion.

13 What's the controversy? As you can see laid out
14 on the FTC/DOJ website, there really are three basic
15 kinds of issues that are in controversy. First of all,
16 what are the principles of market definition that should
17 be applied and that are being applied in the hospital
18 area? Second, what are the relevant empirical tests or
19 the ways of testing those particular hypothesis,
20 hypotheses relative to facts and data, and then
21 obviously one of the reasons why we're here as well
22 looking at this issue is, what have been the results of
23 that application, not only in work before the agencies,
24 but particularly in the courts.

25 And to go to the first one, the principles of

1 the market definition, and I'll get into this in
2 somewhat more detail, one of the most interesting issues
3 that I think arises in the hospital context is why isn't
4 the automatic default that we're going to be applying
5 the same basic principles of the merger guidelines that
6 we apply in every other industry? Why is it even an
7 issue?

8 The second and a related one is critical
9 analysis, which I know Barry Harris, since he authored
10 it, or coauthored it, will be talking about probably a
11 great deal, is a useful analytical tool for market
12 definition and analysis in a merger context that, again,
13 gets applied in a lot of industries. It has been
14 applied in the health care industry, but it's much more
15 controversial there than in any other area.

16 And then lastly, what about Elzinga-Hogarty
17 analysis? It's a particular mode of market definition
18 which has been used extensively in the hospital area,
19 much less so recently in any other industry area, other
20 than as a way of organizing information and presenting
21 information. It however is at the center of controversy
22 in hospital geographic market definition.

23 On the one hand, large group of people say, it's
24 too static, it's too plaintiff-oriented, it gets you
25 markets that are way too small. By the same token,

1 there's another group of academics and individuals who
2 say, no, it ends up making it too broad, it's
3 overinclusive, you've got this problem that there are
4 hosts of patients who actually won't move who are silent
5 and will not travel. And it's actually a problem of
6 being too inclusive.

7 So, where do we go? Another area of controversy
8 is the test. There is not consensus as to what the
9 relevant tests are. How one evaluates consumer choice
10 among competing hospitals, among competing physicians.
11 There's not even consensus on who are the relevant
12 customers in the principal or agents that are acting on
13 their behalf. There's controversy about that, that
14 affects the decision making.

15 What is most central is that there is not a
16 consensus on what the key factors are that discipline
17 hospital pricing and what the mechanisms are that are
18 being used today in today's environment to drive and
19 constrain hospital pricing, and that sets the terms of
20 competition by which hospitals are competing with each
21 other, not only on price, but on quality, to attract
22 more patients to fill up more beds, and as a result to
23 be able, at a minimum, to break even.

24 So, there's an issue as to what the tests are.
25 There's also an issue as to how they're being applied,

1 and one of the most controversial areas is how payor
2 testimony and payor actual behavior is being evaluated
3 by the courts as well as by the agencies and the
4 parties, and then lastly, there's a great deal of
5 controversy as to whether transactions data. There are
6 these enormous data sets that tell you historically
7 where every single patient in every zip code in an area
8 in a state went for health care and exactly what service
9 they bought.

10 There's a lot of controversy over how useful
11 those data are for evaluating hospital markets, whether
12 it's product, but particularly geographic.

13 So, that sets out two major elements of the
14 controversy, what the principles are, how you apply the
15 tests, what data you use, but the biggest controversy is
16 probably the results. And I would say the broad
17 question is have the courts actually used the right
18 principles, have they used the correct tests, and as a
19 result, are the results that they have reached, their
20 decisions, are those sound?

21 And there's a lot of controversy and claims that
22 what the courts have done is messed up somewhere, found
23 markets that are too broad, included too many hospitals
24 that are too distant to be relevant as competitors for
25 the merging hospitals.

1 So, what I would like to do to set up the
2 discussion for others is to say, what at least are the
3 common questions that we can all agree on that should be
4 examined to see where the issues, where the differences
5 are. I think the first and most important is what
6 principles of market definition should apply to hospital
7 mergers, and should these be any different from those
8 that are applied in other industries?

9 What data and information are actually available
10 there, and then how are the courts and everyone else
11 doing in terms of applying those principles to the
12 facts? I would say in terms of the principles, where I
13 would come out is to say, one ought to use the merger
14 guidelines. It's a sound analytical framework that has
15 been tested, not only in the health care area, but in a
16 number of other areas.

17 In the hypothetical monopolist paradigm, which
18 I'm sure Greg Werden can speak to much more elegantly
19 and correctly than I will, so I will defer to him on
20 that, but that is an analytical tool for both product
21 and geographic market that works very well and should be
22 applied to the hospital context.

23 I think the most important thing in terms of
24 applying those principles, though, is before one can get
25 to geographic market definition, you have to have

1 identified what the product of concern is. And I think
2 this is actually accounting for about 50 percent of the
3 differences or the disagreements about the outcome of
4 the analysis, because there has not been an agreement or
5 a consensus as to what the product or the services are,
6 which specific inpatient service or group of services is
7 at issue in the merger.

8 And then secondly, what is the mechanism,
9 premerger, by which the price and the quality and the
10 innovation in that service or service is disciplined.
11 How is it that hospitals are constrained prior to the
12 merger? And if you understand both of those elements,
13 identify the product, identify the mechanism, then it's
14 much more straightforward to be going on and looking at
15 geographic market.

16 In terms of product market, again, I think it is
17 looking basically at the services that are being
18 purchased and consumed. If you do it right, you end up
19 with basically having identified all possible suppliers
20 of that product or products in an area that could be
21 relevant, the geographic market question, then, is,
22 which ones of those are relevant to the analysis of the
23 merger, and to constraining the merging parties?

24 Some will be, some won't be, the task of
25 geographic market is to decide which of those belong in

1 and which of those belong outside.

2 The next two slides, what I've done is just
3 briefly set out what approach is set out in the merger
4 guidelines to analyze geographic market. And
5 essentially what it is is a hypothetical monopolist test
6 that essentially says that all of the suppliers who
7 would be necessary to constrain a small but significant
8 and nontransitory increase in price are those that
9 should be included in.

10 And it said more eloquently, at another section,
11 in terms of posing it very specifically as a
12 hypothetical monopolist, to determine that if in
13 response to the price increase the reduction in the
14 sales of the product at that location would be large
15 enough that the hypothetical monopolist that you set up
16 initially, producing or selling that firm would not find
17 it profitable to impose such an increase in price, then
18 you have to add in the next best supplier. And keep
19 doing that until you can answer the question in the
20 negative.

21 And as I'm sure Barry is going to talk about
22 somewhat more so, one of the principles that gets used a
23 lot in terms of deciding what is enough? How much is a
24 sufficient amount of business to be lost so as to make
25 that price increase unprofitable, who you need to

1 include in, who you don't need to include in, is the
2 critical loss analysis?

3 The reason why I wanted to just touch on it
4 briefly is that in the hospital case, if you're starting
5 with the merging hospitals, and looking at where they
6 draw their customers, their patients from, who are all
7 of the patients and the customers that are filling up
8 their beds and what do they need to do in order to
9 maintain profitability?

10 That's your good starting point for identifying
11 who are the other hospitals that are capable currently
12 of attracting away patients from any or all parts of the
13 service area of the merging hospital or hospitals?

14 And again, this is not anything new, in terms of
15 looking at basic kinds of facts and information. The
16 guidelines that set out that one ought to look at what
17 buyers have done in the past, which other hospitals are
18 they using, or have they used, when prices or quality or
19 other factors have changed? What do we know about the
20 business decisions of the sellers, including the merging
21 parties and others, and what do we know about the
22 ability of individuals to switch among buyers?

23 Let me jump very quickly, because I think this
24 is the heart of what we're going to be talking about
25 today. One of the key elements of data and facts is

1 where does the merging hospital get its patients from?
2 One of the facts that I have found over and over again,
3 and I have worked largely in a lot of urban markets, is
4 that a very large proportion of merging hospitals'
5 patients come from areas that are as close to or closer
6 to other hospitals.

7 Not all of a merging hospital's patients come
8 from the center city or the zip codes right around it.
9 They typically get, perhaps, 40, 50, or in some cases,
10 as much as 60 or 70 or 80 percent from a given area
11 immediately surrounding them, but in the vast majority
12 of fact patterns, particularly those involving urban
13 areas, they are getting very large proportions of
14 patients from outside of the core area of a city,
15 particularly if they are located in the downtown area.

16 This shouldn't come as a surprise to any of us,
17 because in almost any product that we look at, whether
18 it's banking services, whether it's other kinds of
19 retail operations, consumption patterns and business
20 patterns for suppliers, it is often the case that they
21 are successful and profitable primarily by selling not
22 only to people who are sitting right next door to them,
23 but people that they are able to attract away from more
24 distant firms to come to them.

25 And what I would mention in brief part is the

1 data that hospitals look at to identify where they are
2 getting patients from is the patient flow data. They
3 look in great detail as to exactly how many patients
4 they're getting, from which areas. They are also
5 looking at how best can they compete for those patients.
6 What are the competitive variables?

7 What I have seen time and time again is a center
8 city, large hospital, puts an outreach clinic of
9 physicians right next door to a large suburban hospital,
10 hoping to divert patients from going to that suburban
11 hospital for OB/GYN services, for general surgery, for
12 elective procedures, to bring them in to fill up their
13 beds, because they simply cannot subsist or survive on
14 the patients that are sitting right next to them in the
15 center city.

16 What other hospitals are used by similarly
17 situated patients? One of the things that we will need
18 to talk about is as you saw in the guidelines, if it is
19 not possible to discriminate against people by their
20 location, then you have to take into consideration that
21 the loss of a patient who is sitting on the outskirts of
22 a city is as important a loss as the loss of a patient
23 sitting right next door to the hospital.

24 While the patient right next door to the
25 hospital may have a lower probability of going somewhere

1 else, it could be as much revenue walking out the door
2 from the far away patient as the close in. And
3 historically, it has been the case that hospitals have
4 not been able to charge a higher price to the person who
5 either sits right next door or who for some reason
6 really wants to go to Washington Hospital Center, really
7 wants to go to Georgetown, and even with a 50 percent
8 price increase, would never switch to Sibley or to
9 Suburban or to other hospitals.

10 So, what, then, are the mechanisms by which
11 payors can take advantage of the fact that there might
12 be: A) some patients who do not have these strong
13 preferences who are more on the margin among various
14 hospitals that are in the network; and B) the fact that
15 there may be some hospitals that are offering much
16 better and lower prices. Do they have mechanisms and
17 how much does it take to discipline their pricing?

18 Let me kind of highlight here something that I'm
19 sure we'll be talking about a lot, is that in analyzing
20 those last two questions that I have posed, some people
21 argue that patient origin data is fundamentally not
22 usable, that it has all sorts of problems and you can't
23 use it, that there aren't mechanisms for steering,
24 payors cannot divert patients, the only game is to keep
25 people in the network or kick them out, and that payors

1 have not accomplished what they need to accomplish.

2 Let me briefly go through what those myths are,
3 and where I think some of them can be fairly readily
4 dispelled. First, the concern is, if you look at
5 patient origin data, it's small numbers. It's very few
6 patients, most of them are people who were visiting
7 their Aunt Minnie, got in an automobile accident, ended
8 up in the ER, and so they are not relevant to the
9 merger, or they may have other idiosyncratic patterns
10 that are not representative.

11 Briefly put, I think all of those are workable
12 and dealable with, first of all, you can very easily
13 exclude ER visits from the data. Second, this is very
14 far from small numbers. Other than banking, where there
15 is a huge wealth of deposit flow data, patient origin
16 data are enormous databases.

17 When I worked on a case in California, the
18 relevant number was that there were about 18,000
19 patients, a huge proportion of which actually traveled
20 to and used other hospitals. So, it was not a
21 conclusion that depended on whether or not it was three
22 patients doing something or ten patients doing
23 something. Fortunately for economists, the analysis can
24 be based on hundreds, if not thousands, of patients
25 making choices.

1 Again, different fact patterns have different
2 assessments. There are definitely fact patterns out
3 there where what the data show is that the vast majority
4 of people are using just the merging hospitals, and that
5 there are very few, if any other choices available to
6 them, so it can be used effectively to show problems as
7 much as it can do to show alternatives.

8 The second area is that somehow patients should
9 be treated somewhat differently from other consumers of
10 other products, that somehow we should be focusing
11 somewhat more so on consumers who state these very
12 strong preferences for, as I mentioned earlier, I want
13 to go to Georgetown hospital. That's true in every
14 industry. There are people who, due to their physical
15 location or their personal preferences, are highly
16 unlikely to be the customers on the margin between
17 various suppliers. But this is an industry where there
18 are increasingly a lot of customers on the margin.

19 And then a last point that I want to mention,
20 because it comes up very often, is that somehow the
21 patients who are coming in from the suburbs, passing by
22 five, six, eight, ten, 15 independent hospitals to go to
23 one of the merging parties somehow are different from
24 their neighbors who for the same service decided to go
25 to the hospital next door or the hospital five miles

1 away.

2 Again, I think as we get into this discussion
3 today, what we will see is that comparable to many
4 industries, it actually is not the case when you
5 evaluate the evidence that somehow those customers are
6 not representative of what could happen in the event or
7 the kinds of choices that could occur on the part of
8 payors or consumers in response to threatening price
9 increases.

10 And so, very quickly, let me also say that one
11 other problem that comes up is a concern that patient
12 origin data do not have prices in them, and so as a
13 result they're not usable. They are, nonetheless, data
14 that are routinely used by hospitals, and that you can
15 use to do natural market experiments to see when a
16 hospital has expanded with outreach clinics and tried to
17 attract patients in, what happened? When a payor tried
18 successfully to steer patients away from one hospital to
19 another for a specific service, what happened? You can
20 use the data even without prices to do natural market
21 experiments and to test whether or not sufficient
22 numbers of patients can be shifted.

23 This next one, and I think I will try to wrap it
24 up here, is probably the single most important
25 difference among people working on hospital mergers as

1 to the definition of markets and the competitive effects
2 of mergers. As to whether or not the primary way in
3 which discipline is exerted on a hospital is including
4 them in the network or excluding them from the network,
5 or whether there is some additional mechanism to divert
6 sufficient sales so that competition can be protected.

7 And I think this is a central question that
8 we've heard in the panels already, and I commend the FTC
9 for having these panels, because so much has changed.
10 If you looked at health care markets even just five
11 years ago, the vast majority of payors were using a
12 mechanism to play offests of hospitals against each
13 other.

14 Consumers were willing to have very narrow
15 networks, and so the name of the game was you either
16 give me a good price, and in exchange I will give you
17 certainty of large volumes so that you will be happy to
18 give me a discount. And one hospital would stay in, the
19 other hospital would go out, that was the primary
20 mechanism by which prices were determined.

21 That's no longer a relevant world in most of the
22 cases, because what we have now is that consumers are
23 demanding choice. And if you go to virtually any market
24 in the United States, what you have is virtually every
25 payor has almost every hospital in their network. If

1 they do that, how, then, are they constraining choices?
2 They no longer have this in/out tool, so what they have
3 is mechanisms to move enough patients on the margin to
4 enough lower cost hospitals so as to make it
5 unprofitable for the hospital to charge too high a
6 price.

7 That can happen in round one, in which a
8 hospital that risks that diversion says, I don't want to
9 risk it, and therefore I will give a significantly low
10 price so that I don't risk that diversion, or in round
11 two, if they have been foolish enough to set too high of
12 a price and the diversion has occurred, then in round
13 two they go ahead and lower price.

14 So, that, I think, is very important. I think
15 with respect to Elzinga-Hogarty, how I would include on
16 that is that I think it's an interesting and a useful
17 way to organize the data, but I think that there are so
18 many issues and so many problems, if it is the only tool
19 that is being used, that it blurs everyone's vision as
20 to who really are the competitors and the alternatives
21 that matter. You can get different answers depending on
22 where you started, you can get different answers
23 depending on how you sort the zip codes. It's
24 fundamentally a static analysis, and so as a result, in
25 and of itself, it leads to circumstances in many cases I

1 think we have all seen where one party says that the
2 market basically has a tight ring around a set of
3 hospitals, and that there are these hospitals that are
4 on the outside of that ring that somehow are going to be
5 excluded from the market because they fail to have a
6 high enough current amount of usage by patients from
7 within the market to be regarded as relevant to include
8 in under the Elzinga-Hogarty test.

9 And I think in that context, it is inconsistent
10 with the guidelines, which is a much more dynamic view,
11 which is to ask, what would happen to whom plausibly
12 could some patients be diverted, because in most of
13 these markets, we're not looking at just diverting to
14 one hospital, but to many. And I would note that in
15 general, what the courts have done is to treat the
16 Elzinga-Hogarty analysis in hospital cases fundamentally
17 the same way that they have treated it in other cases,
18 which is as a tool, but not necessarily the be-all and
19 the end-all.

20 So, what's the bottom line? In my experience
21 looking back for today through all of the cases,
22 including the seven cases that have been discussed at
23 some length in this proceeding, in these hearings, as
24 well as the other cases, what it appears to me is that
25 the courts indeed have been applying the standard

1 principles of the merger guidelines to the salient
2 facts. They have been posing the questions as to where
3 are consumers going, where are payors moving patients
4 to, who do the hospitals in their documents regard as
5 competitors, and in particular, to me, one of the most
6 interesting facts is that what has come out in
7 litigation is that it is at that point that the
8 strategic plans of the competing hospitals become
9 available to everybody. And in all of the cases that I
10 have been in, those strategic plans show that the
11 competing hospitals have a number of strategies for
12 taking patients out of the merging parties' beds and
13 putting them into theirs.

14 So, the inclusion of the specific hospitals has
15 been based primarily on actual facts. And I think
16 there, in particular, what the courts have found is that
17 the payors have -- the facts have shown that payors have
18 actually in many cases done something different than
19 they claimed. Most of the testimony of the payors has
20 been we need to have these hospitals in our network.

21 As I mentioned, that's perhaps necessary to
22 putting a patient in those beds, but it's not sufficient
23 to give those hospitals market power over prices. If
24 you can move enough people away from them, then the fact
25 that they needed to be in the network is not enough to

1 give them power over price.

2 And I think the other part that is important in
3 that circumstance is that what the courts historically
4 have found is that they do not need to get to the issue
5 of do people need to be moved from right next door to
6 the hospitals, to these hospitals 80 miles away to
7 discipline pricing.

8 It is oftentimes enough to move hospitals
9 from -- patients, rather, from 20 miles away, from the
10 other hospitals, to discipline the pricing because the
11 merging hospitals are so dependent on those. But I
12 think if you look at the cases where the government won,
13 there are two fact patterns that are different: One is
14 where there were not enough patients to shift to make a
15 difference. The dynamics and the facts of the
16 marketplace were such, or where you had a compelling
17 coordinated effects story. And that's, I think, the
18 Chattanooga case, where there was a case that was put
19 forward that there could, indeed, be post-merger
20 coordination that the court found convincing.

21 That has not been prevalent in any other recent
22 cases, and usually what the courts are finding is that
23 they don't buy unilateral effects, and basically come
24 out to saying, we have so many hospitals, so many that
25 can be turned to, they have independent incentives, they

1 have excess capacity, it's enough to discipline.

2 In conclusion, each case, as with every industry
3 we work on, is going to be fact-specific. And there
4 will be cases where applying the basic principles of the
5 merger guidelines, using all of the messy facts, the
6 data, the documents, and applying them to the specific
7 facts of the case, is going to get to a result where it
8 says the merging parties have market power, or
9 coordination is possible, and identifying the terms of
10 coordination. But there will also be, as in most other
11 industries, a very large number of cases where there is
12 not going to be that compelling story and there will be
13 sufficient competition.

14 Thanks.

15 (Applause.)

16 MS. MATHIAS: Thank you, Meg. Next we'll hear
17 from Greg Vistnes.

18 MR. VISTNES: Well, thank you very much. I'm
19 going to be talking about the same thing everybody else
20 is talking about, geographic market, and I want to cover
21 in a sense the whole panoply, first of all talking about
22 the theory of competition, and how that affects or
23 relates to geographic market definition, then talk a
24 little bit about the empirical evidence that goes to
25 geographic market, talking both about some of the

1 academic studies that have been done and a little bit
2 about loosely called merger retrospectives.

3 And I'm going to start out first with the
4 theory. And I guess probably the best introduction to
5 it is for a long time I've been a little bit confused or
6 puzzled as to how to be looking at some of these
7 hospital mergers the government has been looking at. On
8 one hand for a long time I've heard and read and even
9 participated in some of the cases the government has
10 brought against hospital mergers and thought, boy, these
11 arguments and this evidence really sounds very
12 compelling. It looks like it's right.

13 And then on the other hand, I hear a lot of the
14 evidence and the facts and the arguments made by the
15 hospital parties themselves, and I have to admit, I
16 can't dismiss this evidence, I can't dismiss the fact
17 that hospitals look very carefully at patient origin
18 data. I can't dismiss the fact that hospitals very
19 clearly care about outpatient clinics and all sorts of
20 evidence that fairly looked at does indicate, in some
21 sense, very broad geographic markets for hospitals.

22 And so, there's been a lot of confusion on my
23 part, at least, as to how do you reconcile these facts,
24 how do you reconcile the arguments between them. And I
25 think part of the answer, at least what I will put out

1 for you folks to consider, is that there may be in a
2 sense two theories going on, or two types of
3 competition. And these two types of competition may in
4 a sense, people may be talking about different types of
5 competition. The government may be talking about one
6 type of competition, where the government is saying this
7 hospital merger may reduce competition, and the
8 geographic markets associated with that competition may
9 be, in fact, relatively small.

10 The hospitals may, on the other hand, be
11 focusing a little bit more on a different type of
12 competition, and the evidence that they present is
13 equally correct, but it's focusing on a different type
14 of competition, and it may well be that to some extent,
15 at least in my view, that the two sides are talking a
16 little bit past each other, and that understanding the
17 two types of competition, we can at the very least
18 reconcile the types of evidence that are put before the
19 Court, hopefully in future cases, if it goes to the
20 court, whether we're talking about the courts or the
21 ultimate decision makers at the agencies, it can help
22 them understand how to evaluate these two different
23 types of competition.

24 So, the competitive framework that I want to
25 introduce is the notion that hospitals really compete in

1 two different stages, and that these two stages of
2 competition are going to be a little bit different from
3 each other. The first stage of competition is going to
4 be focusing mainly on the hospitals somehow trying to
5 get into health plans, whether it's an HMO or PPOs,
6 trying to get in their health plan work to be a
7 preferred provider.

8 The principal element of competition, or at
9 least a very significant element of competition, to get
10 into that customer's health plan will be price. They're
11 trying to make themselves attractive to the health plan.

12 Once they get into the network or even if they
13 don't get into the network, there's a second stage of
14 competition. And that second stage of competition is
15 trying to get the individual patients. And the form of
16 competition, the means of competition at that patient
17 level of competition will be very different. It can
18 take the form of perhaps outreach clinics, it can take
19 the form of advertising, trying to make themselves
20 popular to the individual patients.

21 And while both of those levels of competition
22 are interrelated, and each of the types of competition
23 will affect both the levels, they're going to affect it
24 differently. And so the ultimate conclusion about
25 market definition or effects may well differ between

1 those two. The two stages of competition are going to
2 differ potentially in some very important areas. Who is
3 the "customer" from the antitrust perspective, what are
4 the means by which the hospitals compete? As I said,
5 the hospital geographic markets, and as I said, the
6 evidence, the relevant evidence as to all of these
7 factors, may be a little bit different between the two
8 stages.

9 So, let me focus first on the first stage of
10 market definition, and here what I would propose is that
11 when the hospitals are competing, say, who's in the
12 network, who is out of the network, the customer from
13 the antitrust perspective is the health plan, it's not
14 the individual patient, but the health plan. And the
15 health plan is trying to figure out who do I put in, who
16 do I take out. And the prices the hospitals offer are
17 being constrained by that decision. Who's going to go
18 in the network and also once you're in the network, how
19 many patients you end up getting.

20 And the geographic market definition, as Meg was
21 saying, should be driven, principally if not
22 exclusively, by the Merger Guidelines. Their question
23 is would a plan end up diverting enough patients to
24 alternative hospitals in a different region in the event
25 of a price increase, as to make that price increase

1 unprofitable.

2 And I could go at great length as far as some of
3 the details of that question, for example that the
4 market definition needs to focus not on patient
5 locations but instead on the hospital locations. The
6 location of the patients is important, but it's an
7 indirect element, and secondly, I would strongly urge
8 that folks focus on what the Guidelines talk about. Is
9 a pricing increase by not all of the hypothetical
10 monopolist hospitals, but any or all, including a subset
11 of those hospitals, because that can dramatically
12 impact, I think, the answer as to proper geographic
13 market definition.

14 So, when we're focusing on plans, as the
15 customer at this first stage, the first question is,
16 what do plans want? Well, hospitals would probably say
17 something very differently than an economist might say,
18 but essentially what plans want is they want a
19 marketable product. They're going out in the community
20 and they're trying to compete. And they're competing on
21 saying, hey, guys, sign up with me, my plan is a good
22 plan for you guys to be enrolling on. They're saying
23 that to the individuals, they're saying that to the
24 employers who are choosing health plans. And the
25 hospital network is an important part of what any health

1 plan offers. The health plan wants to offer a hospital
2 network that's attractive, not to an individual patient,
3 not to every single enrollee, but to a big class of
4 potential customers.

5 As far as what is a marketable hospital network?
6 Well, there are a bunch of different factors. One is,
7 you don't want it to be too expensive, because that's
8 going to drive your product out of the market, it's not
9 going to be price competitive. You want hospitals that
10 are in some sense attractive to your potential
11 customers, the enrollees, that is you may want the
12 specialty hospitals that people care about, if you've
13 got a children's hospital in town, that may be an
14 important hospital to have in there. You'll probably
15 want, and I'll call it local hospitals, because the
16 question is still how local is local? And you probably
17 want hospitals with good reputations. That's how you're
18 going to sell your product.

19 You probably want hospitals that are included by
20 the physicians in your network. It doesn't do much good
21 for your network if your physicians don't admit to the
22 hospitals in your network because that just upsets
23 everybody. And you also probably don't want confusing
24 access rules to the hospital. If you have rules that
25 say, well, you can only go to this hospital under these

1 certain circumstances, it ends up confusing enrollees,
2 enrollees go to hospitals they're not allowed to go to,
3 but they thought they were allowed to and it creates a
4 lot of ill will.

5 Now, faced with a price increase, if we take the
6 previous slide, the underlying objectives of a health
7 plan, a health plan faced with a price increase from
8 whether we're talking merged hospitals or from our
9 hypothetical monopolist, faces a trade-off. They either
10 have to pay higher prices, basically accept the higher
11 prices, or somehow they try to get patients away from
12 those higher priced hospitals. And they can do it in
13 several different ways.

14 One is, as Meg was saying, they can absolutely
15 drop the hospital from its network completely, and
16 that's a fairly Draconian solution. Alternatively, they
17 may be able to divert patients, keep the hospital in the
18 network but use certain instruments or mechanisms to
19 send some patients away to other hospitals. That's the
20 form of price discipline the plans can bring to bear.

21 And the health plan in trying to choose between
22 these two options, is going to say, which one is going
23 to leave me with a better plan? Am I better off just
24 selling the same plan I used to sell but with a higher
25 price, or should I, in fact, somehow offer potentially a

1 less attractive plan, because either it has these
2 diversion techniques or not what the hospital folks
3 want, but it's a lower priced plan. Well, that's going
4 to be the issue as to whether or not they divert
5 hospitals, that's fundamentally going to be deciding
6 what the geographic market is, what are health plans
7 going to do?

8 Two issues associated with these choices. One
9 is when a hospital price increase is imposed, the impact
10 on the plan, and that's the marketability of the plan,
11 may be relatively limited. The hospitals are only one
12 component of the health plan's total price. Secondly,
13 the price increase may only be a five or 10 percent
14 price increase, it's only five or 10 percent under the
15 market definition test. And secondly, typically a
16 plan's premiums are going to be -- whether it's
17 community-based or for an employer who is doing self
18 insurance, those single hospitals won't be the full
19 population of hospitals. You can end up having effects
20 where a 10 percent price increase may ultimately only
21 impact the premium by say half a percent or less. So,
22 that's going to be one option facing the plan, well, do
23 I want to increase my premium by a half a percent, and
24 the alternative is if I do, and the hospitals impose
25 these diversionary tactics, my product may be less

1 attractive. Which one do I want to do?

2 Well, let's focus on the possible diversion
3 strategies that the plan may have in order to get
4 patients away from the hospitals imposing the price
5 increase. And I've listed a few of the possibilities.
6 There are as many possibilities as imagination can have.
7 But I think these are probably the most commonly
8 discussed. One is, the health plan can simply drop the
9 hospital. Again, the Draconian solution. Secondly, a
10 health plan can end up diverting patients by adding
11 additional hospitals to the plan and in a sense diluting
12 the number of patients who go to the merging hospitals.
13 Given more choice, more patients are likely to say, hey,
14 I won't go to the merging hospitals anymore, I'll go to
15 this newly added hospital.

16 Possibility of backfire on that one, as much as
17 it may reduce patient volume in all the network
18 hospitals and so all the other network hospitals may
19 say, hey, if we're not getting as many patients, we're
20 not giving you as good a price.

21 The plans may create incentives for the patients
22 to switch hospitals. There's a real possibility. The
23 incentives may be things along the lines of, we'll
24 reduce your copay by \$100 if you go to this other
25 hospital. That would be the carrot form of an

1 incentive. You can use the stick form as well as
2 saying, well, gee, if you go to the merged hospitals,
3 you're still entitled to go there, but we're going to
4 charge you an extra \$150. And lots of other financial
5 incentives that you can think of.

6 Similarly, you can create financial incentives
7 for the physicians to divert their patients to other
8 hospitals. You may put them under some sort of a risk
9 sharing contract, where the physicians pay more out of
10 pocket for the higher prices, you may threaten the
11 physicians with dropping them from the network, you may
12 impose penalties on the physicians for using
13 higher-priced hospitals. There's lots of possible
14 mechanisms.

15 And again, these diversions can be absolute, or
16 they can be partial diversion. I would stress that with
17 all these diversionary tools, that in the particular
18 hospital merger you're looking at, in the particular
19 market that you're looking at, careful distinction has
20 to be made between could and would. All of these
21 diversionary tactics could be imposed, and they could be
22 extraordinarily effective at diverting patients, but it
23 gets back again to would the customer go that route.
24 And that's going to get back again to how is it going to
25 impact the profitability of the plan, how will it impact

1 the marketability of the plan, and that's going to vary,
2 market to market, and it's going to vary between the
3 hospitals that you are considering at possible
4 alternative hospitals.

5 All these strategies will differ in
6 effectiveness, the financial cost and the enrollee
7 acceptance of the plan.

8 Running through some of these quickly, again, I
9 would point out that even some of these diversionary
10 tactics can be financially costly to the plan. So, when
11 they're considering, do I want to divert patients in
12 order to avoid a price increase, well one of the factors
13 is if I give my patients carrots, basically bonuses to
14 use other hospitals, well, that's coming out of my
15 pocket, am I ultimately going to be saving any more
16 money by giving bonuses for folks to be using other
17 hospitals, than just saying to heck with it, I'm going
18 to pay the hospital's higher prices. And much of the
19 answer here will depend on can the health plans
20 effectively, I'll call it target, or discriminate
21 between their enrollees.

22 A lot has been said in other cases about there
23 being customers or the marginal patient who might be
24 very indifferent between using the merging hospital
25 versus a hospital outside the market. And certainly, if

1 those individual patients could be given bonuses to go
2 to another hospital, that tactic might be a very
3 effective one for diverting, but working it through a
4 little bit further, and the health plan is saying, well,
5 gee, I'm going to give all of these patients \$100 if
6 they use the hospital outside of this arbitrary
7 geographic market, what's the health plan going to do
8 for all the patients who are already using that hospital
9 outside the market? Is it going to tell the coworkers,
10 one who is on one side of the hall, one who is on the
11 other side of the hall, one guy who is always using the
12 hospital outside the market, the other guy who is being
13 incented to go outside the market, that one of them gets
14 the \$100 bonus and not the other?

15 If they can't distinguish, and maybe they can,
16 but if they can't, then you create the seeds for unrest
17 by discriminating between these two folks, or
18 alternatively, you've got to give this big financial
19 carrot to people who are already using that hospital,
20 it's just sort of a massive outlay of financial
21 expenditures.

22 Financial sticks, imposing penalties on folks
23 for using the "wrong hospital," that may be costly in
24 terms of enrollee dissatisfaction, and the other factor
25 is when you're considering diversion to another

1 hospital, it seems obvious, but oftentimes not checked,
2 you've got to make sure that other hospital you're
3 diverting folks to is cheaper than the one you're trying
4 to divert them away from. It's not always going to be
5 the case. Especially if you're trying to divert them
6 with the lure of sort of a high prestige hospital,
7 saying, you know, travel the extra 50 miles, because
8 ah-hah, then you get to go to the university hospital.
9 The university hospital may be more expensive than the
10 merging hospitals. So, you need to at least be careful
11 of that.

12 Diversion techniques may be unpopular. Again,
13 it depends on how you're trying to divert patients, and
14 how far you're trying to divert the patients. You need
15 to be careful about how diversionary techniques are
16 going to affect patient/physician relationships. And I
17 think it's probably fair to say that it's easier to get
18 an enrollee to change hospitals if they don't have to
19 change their physician, than trying to get them to
20 change both as well.

21 So, looking at fact patterns like physician
22 overlaps may be a relevant piece of the evidence on
23 geographic market definition, as well as, again, asking
24 and requesting, gee, even if the -- excuse me, even if
25 the physician doesn't currently have privileges at the

1 other hospital, would they be willing to, trying to get
2 into the issues of would the patient -- would the
3 physician be willing to drive, whether it's ten miles or
4 50 miles a day on daily rounds. Alternatively if
5 they're in a group practice, can they share the rounds
6 and reduce that burden?

7 All of the answers to these questions, I think,
8 will potentially vary dramatically market to market. In
9 some markets these diversionary techniques can probably
10 be extremely effective; in others, perhaps not.

11 Moving then to the second stage, patient
12 competition. This is once the health plan has derived
13 its network of hospitals, what do hospitals do then?
14 Well, here, price competition is of really very little
15 importance. Patients don't care what price a health
16 care plan is paying for a different hospital, they're
17 saying, hey, is it in network, is it out? What's my
18 copay, what's not my copay? And so the price
19 competition has very little effect.

20 Instead, what the hospitals are doing is here
21 they, at least my sense is, there is much more scope for
22 targeted patient competition. That the hospital is
23 going to say, ah-hah, here are some patients maybe in
24 another town or a specific community where we can really
25 target our competition, try to get those patients,

1 without really impacting competition in other areas.

2 Here's where I think evidence, for example, of a
3 hospital opening an outreach clinic 50 or 100 miles away
4 is very clearly evidence of competition between those
5 two hospitals. The hospital is saying, hey, I want to
6 try to get some patients over here by offering my
7 outreach clinic, by offering, you know, whatever it is
8 to get the patients over there.

9 That doesn't necessarily impact, or at least
10 significantly impact, the first stage competition, the
11 price competition for the health plan, but it is a very
12 real way where an individual hospital can try to get
13 additional patients into its hospital.

14 Other forms of this non-price competition, at
15 the second stage, will include, for example, as I said,
16 the physician or the hospital staff, the outreach
17 clinics, things like image, community appeal,
18 advertising, all sorts of this competition are ways in
19 which hospitals do try to steal hospitals from other
20 hospitals potentially far afield.

21 I think it is particularly here that the
22 discharge data, or what's sometimes called the patient
23 origin data, may be particularly relevant. As I said,
24 it's very clear. Hospitals do look at this stuff. It's
25 a little bit facile to argue, as I am sort of to say I

1 have at times in my past, that hospital discharge data
2 is completely worthless. These guys look at it a lot,
3 they pay a lot of money. But the question is what is
4 the relevance for what type of competition?

5 And I think in terms of second stage
6 competition, trying to figure out, gee, where are we not
7 drawing any, for example, OB patients? Where are all
8 our rival hospitals getting the Hispanic population
9 going to? Trying to figure out sort of the strengths,
10 the weaknesses and the opportunities. The patient
11 origin data very clearly can help them address that.
12 They can say, well, one of the reasons we're not getting
13 any admissions from zip code 12345 is we don't have any
14 patients there. Come on, guys, let's try to get some
15 patients in that zip code.

16 That's an effective means of this inner-hospital
17 second stage competition, may have very little impact at
18 the end of the day on how health plans can divert
19 patients back and forth in response to a price increase.

20 So, comparing the two stages, I would emphasize
21 that you really are focusing on two different customers
22 with two different objectives, and because of that, the
23 competition, the means of competition, the effects of
24 mergers, and the market definition may very well differ.
25 Again, prices are going to be -- or are a key element of

1 this first stage competition, very little effect on
2 second stage competition. A lot of forms of non-price
3 competition may be very important for second stage
4 competition, but yet have only limited impact on first
5 stage competition, and again, because of that, the
6 relevant evidence in trying to assess the competition at
7 the two stages may be very different.

8 Implications are that geographic markets may
9 differ, as I said, the effects of the merger may differ
10 between the two stages of competition. There may be a
11 big effect at one stage, but not the other.

12 I would put forth that in the government's
13 efforts, they don't need to have to show an effect at
14 both stages of competition. Showing a diminution of
15 competition at just one stage of competition should be
16 sufficient, absent efficiency considerations, to warrant
17 challenging a merger. And if it's true, as I tend to
18 think it is, that the government has been focusing
19 primarily on the first stage competition, then even if
20 the evidence is compelling that second stage competition
21 is vigorous and will be largely unaffected by a merger
22 and the geographic markets at the second stage are very
23 large, I would suggest that the government's challenge
24 for first stage effects is still warranted.

25 Now we're going to move to the empirical

1 evidence, and I am going to go quickly over this, just
2 because it tends to be a lot dryer and more dull and
3 economists have enough strikes against them without
4 going into dull data without being charged as being
5 dull.

6 I think most of the empirical work, the
7 research, tends to be supportive of narrow geographic
8 markets and limited competition between hospitals.
9 There are three pieces of work that I think go to this
10 most directly. One is a piece that I have co-authored
11 with Bob Town that's in the journal of health economics.
12 There are a couple of working papers done by a series of
13 folks by Cory Capps, David Dranove, Mark Satterthwaite
14 and I think Shane Greenstein have all been involved in
15 some empirical research. And also, most recently,
16 although I haven't had time to look carefully at it is
17 some work by Marty Gaynor and Vogt, and his first name
18 is Bill, Bill Vogt.

19 All of these papers, I think, tend to confirm
20 that markets seem to be relatively limited, that
21 hospital competition tends to be relatively limited,
22 that mergers will tend to have -- can, not all mergers,
23 certainly, but you can certainly tend to have merger
24 effects in many cases, even in urban hospital mergers.

25 Especially with regard to what does this mean

1 for market definition, relying on patient origin data?
2 To me, patient origin data almost always ends up giving
3 very broad geographic markets. Geographic markets in
4 which especially in urban contexts, merger related
5 effects would be very implausible. So, to the extent
6 these studies are suggesting that even urban mergers,
7 and I'm talking about mergers in the Los Angeles, San
8 Diego and Chicago areas, are suggested to have price
9 effects. I think it calls into significant question
10 whether or not large geographic markets have
11 plausibility associated with them.

12 I'm going to skip over -- I was going to talk a
13 little bit about my own paper a bit, but let me skip
14 that and finish up with a discussion of the FTC's merger
15 retrospective. First of all, I applaud the FTC for
16 doing it, I think it's an extraordinarily useful,
17 hopefully not just an exercise, but study. I would say
18 it's a long time coming, but certainly well worth the
19 wait, and I look forward to seeing the results from it.

20 I think it offers significant opportunities to
21 learn. I have my expectations as to what it will show,
22 but I am going to be extremely interested to see if I am
23 going to be wrong all the years. I am going to be
24 particularly interested in seeing to what extent the
25 patient diversion tactics and strategies, I should call

1 them strategies, of health plans, have ultimately proven
2 themselves effective.

3 I think it's very important to see the merger
4 retrospective as a test to see all of these counter
5 strategies by the health plans that have been offered
6 up. Are they -- do they fall in the camp of would or
7 could? I suspect it's going to be in the camp of they
8 could do these diversionary tactics, but in fact they
9 haven't. And I think in large part, this comes from my
10 anecdotal sense, from at least a few hospital mergers,
11 where we've heard that the hospital mergers have, in
12 fact, led to some significant post merger price
13 increases, despite court findings that the geographic
14 markets are extremely large and that there is, in fact,
15 a lot of competition remaining out there.

16 And I think if post merger effects are found by
17 the FTC's merger retrospective, then I think one of the
18 most important uses of that finding will be really to
19 position the agencies for saying, hey, these strategies
20 that have been put forth in the past for saying why
21 geographic markets are, in fact, really very broad, you
22 need to second guess those. You need to reconsider
23 those strategies as being effective diversionary
24 tactics, because we see price effects. How can those
25 price effects have taken place if, in fact, the markets

1 are as large as have been postulated, if these patient
2 diversion strategies are as effective as have been
3 postulated.

4 So, again, closing up, it's very obviously a
5 very fact-intensive and market-specific question as to
6 whether or not these diversionary strategies are
7 effective, and I certainly don't mean to be suggesting
8 that they are never effective or that they are rarely
9 effective. I think in some markets, they are probably
10 very effective. But I think it needs to be questioned
11 very carefully as to how broadly those claims of patient
12 origin strategies, in fact, hold up in every market.

13 Thank you.

14 (Applause.)

15 MS. MATHIAS: Thank you, Greg.

16 Barry?

17 MR. HARRIS: A couple of preliminaries. One is
18 this is the first time that I have appeared at an FTC
19 proceeding since I spent four days being cross examined
20 by Rhett Krulla, so if any of you know Rhett Krulla, you
21 will know that this was much more pleasant than the last
22 time that I was involved in one of these. The second
23 thing, as Meg suggested, there's a certain similarity
24 between the talk Meg gave and the talk I'm about to
25 give. Meg and I have been working together on and off

1 for 20 years, so I suppose that's not a big surprise,
2 but I'll just read you the first paragraph of my notes.

3 There appears to be a perception that geographic
4 market definition has been controversial in recent
5 hospital cases. This controversy stems in part from the
6 broad geographic markets identified by the courts in
7 some of their recent cases. While the scope of the
8 geographic market may vary from case to case because of
9 different fact patterns, broad geographic markets are
10 often the natural consequence of applying the merger
11 guidelines when the merging hospitals have broad service
12 areas and cannot price discriminate based on the
13 residential location of their patients.

14 So, sounds fairly familiar. So, what I've been
15 doing, and I was listening to Greg with one ear, but
16 with the other ear I was kind of crossing things out on
17 my outline, and what I think I will try to do since so
18 much of what I had planned to say was already said very
19 clearly by Meg, is go through certain specific points
20 and in a sense just adopt her testimony or her
21 presentation.

22 First thing is, just to -- maybe this is putting
23 the cart before the horse, but let me tell a story about
24 broad geographic markets. Roughly ten years ago, I
25 worked simultaneously on two hospital mergers, and I

1 apologize to Greg Werden, I told this story at a
2 conference we were at together about two, three months
3 ago, but one was in Manchester, New Hampshire, and one
4 was in Pueblo, Colorado, and both involved merger of the
5 only two hospitals in a city.

6 It turns out that the Department of Justice was
7 looking at Manchester hospital merger and they let that
8 through and the Federal Trade Commission was looking at
9 the Pueblo hospital merger and that was challenged. In
10 Modern Health Care, which I presume most people here
11 read, wrote an article about this, and the nature of the
12 article was the two different antitrust agencies have
13 very, very different standards for analyzing mergers.

14 Well, the reality was, in Manchester, New
15 Hampshire, that was a -- they had a broad -- relatively
16 broad service area, and while there was not a whole lot
17 of competition for the patients that lived in downtown
18 Manchester, there was a lot of competition for the
19 patients that lived in the rings outside of it. And I,
20 from memory, I would say 50, 60, maybe 70 percent of the
21 patients clearly had choice, actually lived closer to
22 other hospitals, even though they provided a good chunk
23 of the service area for the Manchester hospitals. And
24 why that wasn't part of the decision making process, my
25 presumption is Justice let that through because it

1 concluded that these other hospitals competed for enough
2 of the Manchester patients to make it unlikely that the
3 merger would harm competition.

4 By contrast in Pueblo, I've never been to
5 Pueblo, but I'm told that it is surrounded by mountains
6 and plains and there's not much of a population outside
7 of Pueblo. So, when you looked at patient origin data,
8 what you saw was, is that Pueblo got its patients from a
9 small number of zip codes, and when you looked at each
10 of those zip codes, the Pueblo hospitals joint share in
11 those zip codes were in excess of 90 percent, time after
12 time.

13 So, I went in and I helped the lawyers I was
14 working with on the Manchester matter, because in my
15 mind the economics said that the market should be
16 extended. By contrast, I never went in on the Pueblo
17 matter, and apparently the FTC agreed with me, they
18 brought that case, and as I understand it, the merger
19 never took place.

20 And, again, it came down to the facts of the
21 case. So, there's no notion that patient origin data
22 always provides broad markets, or that -- and I'll get
23 to that, that critical loss type analysis always
24 provides broad markets, it depends on the facts of the
25 case. And these are two stark examples, but the same

1 types of things show up in other matters.

2 Now, before I get specifically to geographic
3 market, one thing that has to be said, and that is the
4 concept of geographic market only makes sense when it's
5 used in conjunction with a properly defined antitrust
6 market. Now, Meg, and I think Greg as well, identified
7 antitrust market for you, but it basically consists of
8 the group of providers who, if they acted collectively,
9 could profitably raise price or would profitably raise
10 price.

11 They want to exercise market power. They're
12 raising a price above competitive levels. But what that
13 means is, you need a mechanism by which to do that. It
14 can't be a lot of hand waving and saying, these are only
15 two of a small group of hospitals, and therefore it's a
16 problem. You have to focus your analysis on a way in
17 which the market power is going to be exercised.

18 Let me give two examples that get a lot of use,
19 I think, in the analysis of hospital mergers. One is
20 the so-called cluster market. Well, my experience is
21 that no one's ever been able to define a cluster market.
22 It's sort of an unspecified group of services that
23 hospitals offer. Underlying it is some notion of
24 economies of scale or scope, but they never tell you
25 what the services are. It's just that hospitals have to

1 provide a cluster.

2 Well, it may be true that you can raise the
3 price for people getting obstetrics or people who need
4 heart surgery, but you can't raise the price for some
5 unspecified cluster of services. So, if there are
6 services in which there's a lack of competition due to a
7 merger, well then that's where you focus. But the
8 notion of a cluster market where the services are
9 unspecified makes no sense. It may come in the back
10 door when you're identifying who are the parties that
11 are participants in the market, and that may or may not
12 be true. You may or may not need to offer a variety of
13 services in order to be a provider of obstetrical
14 services. You may or may not need to have a variety of
15 services to be a provider of cardiac services.

16 That's an empirical question, but the market
17 itself focuses on the demand side, and that's for the
18 specific service.

19 The same problem exists with regard to the
20 so-called anchor hospital theory, where the logic is
21 managed care plans need a specific -- a small group of
22 specific hospitals to anchor their network. There's two
23 things wrong with that. One is empirical, and that is
24 that nowadays, as Meg said, most hospitals are in most
25 networks, so that notion, I don't think, any longer

1 applies. But I think the more important reason is
2 there's no mechanism, bar none, in which you can
3 exercise market power as an anchor hospital.

4 And what do you mean by an anchor hospital? You
5 have the quality OB service or you have the quality
6 cardiac service. Well, then, that means that you can
7 raise the price of cardiac services or obstetrical
8 services. You need a mechanism in which to exercise the
9 market power.

10 The one difference, the one exception to what I
11 just said, though, I've never, ever seen this, would be
12 if the so-called anchor hospital kept their prices that
13 they charged when patients actually come in the front
14 door at competitive levels, but that said, you want me
15 in your network, give me \$1 million up front.

16 That would be a mechanism by which an anchor
17 hospital could extract -- exercise market power, but by
18 actually affecting the individual prices of services,
19 no, because you still must compete with those services.

20 Let me move to the second category that Meg left
21 open for me. And that ultimately comes to the mechanism
22 by which you're going to define the geographic market.
23 Let's assume you have the product market taken care of,
24 let's use obstetrics, just as the example. Well, the
25 guidelines definition of a market, again, asks the

1 question, is a price increase going to be profitable?
2 And that naturally leads to the notion of critical loss.

3 And, again, to understand why that is true,
4 let's go back to the definition of what you mean by a
5 market. It's the group of competitors that could
6 profitably raise price. What's the logic behind that in
7 well, if you can profitably raise price, you're not
8 going to lose too many of your patients, so the
9 competition that takes place involves the group of
10 hospitals within the market.

11 Okay, how do you answer the question of whether
12 or not you can profitably raise price? Well, think what
13 happens when you raise price. Presumably, some people
14 are going to leave and some are going to stay. Well,
15 again, let's use the frequently used 5 percent price
16 increase as an example, and the key here is when you do
17 critical loss, you want to ask it for the range of
18 prices. There's nothing special about a 5 percent price
19 increase or a 10 percent price increase. But let's just
20 use the 5 percent price increase as the example.

21 When you raise price by 5 percent, you're going
22 to lose some patients, and you want to know, is that
23 enough patients to make this 5 percent price increase
24 unprofitable? Well, for those patients who stick
25 around, with a 5 percent price increase, profit goes up

1 to reflect the higher revenues. Costs haven't changed.
2 But what happens to the profitability affected by the
3 patients who leave?

4 Well, when a patient leaves, you lose the
5 revenue you would have received at the lower price, but
6 all that is not profit. You would have had costs to
7 serve this patient. So, the cost of the patient leaving
8 is the difference between the revenues you would have
9 collected and the cost it would have taken to serve
10 these patients.

11 Well, so, how do you go about finding out just
12 what is the critical loss? You're looking for the
13 number of patients that balance these two numbers. The
14 increased profit for people who stay, the lost profit
15 for people who leave.

16 Well, you need two different numbers in order to
17 do that. One is the size of the price increase. The
18 second number is something very specific to the market
19 you're dealing with, and that is what is the variable
20 cost associated with serving the patients who are
21 leaving?

22 So, that has two aspects to it. One is
23 obviously what's the cost, but there's a time aspect to
24 it and there's a quantity aspect. When I and people I
25 work with have gone out and tried to estimate variable

1 costs of hospitals, we always seem to get a number
2 that's fairly similar, and that is the variable costs
3 lead to a contribution margin of roughly 60 percent.
4 I've seen it as low as roughly 40 percent, I've seen it
5 as high as roughly 70, 75 percent.

6 But what does that mean and why is that true?
7 Well, you have a contribution margin of roughly 60
8 percent, which means you have low variable costs,
9 because there's so many fixed costs in hospital
10 services. You obviously have the building, you have the
11 equipment, but a big source of fixed costs that
12 sometimes get counted as variable, but in the real world
13 are fixed, is there's a lot of labor, human service
14 costs that don't vary in a hospital.

15 In an obstetric ward, you have nurses, and I
16 think you need four of them, and it doesn't matter if no
17 one comes in the front door, that is fixed, at least in
18 the range up to roughly 15 -- a census of 15 babies in
19 the OB ward.

20 When you work through this, and find out that
21 the contribution margin for hospitals runs 50, 60
22 percent, what you learn is that the critical loss
23 associated with the 5 percent price increase is only
24 about 7, 8, 9 percent. What that means is that if you
25 lose as few as 7, 8, 9, say 10 percent of your patients,

1 a 5 percent price increase is unprofitable.

2 Well, where this leads to the broad geographic
3 markets is, and goes back to what Meg said, you ask
4 where does the hospital get its patients from? Well, it
5 gets it from throughout its service area. It doesn't
6 get it from the downtown, it gets it from throughout its
7 service area. And it risks losing patients anywhere in
8 that service area. And you cannot, as a hospital, I've
9 never seen this, and I don't know how you would do it,
10 you cannot price discriminate based on residential
11 location.

12 So, what happens? The hospital has to worry
13 about losing patients throughout the service area, and
14 if there are enough people outside of the downtown who
15 are presumably a two to one merger is going to matter,
16 and not matter, but it's going to be less choice there,
17 then the people on the outside of the downtown area
18 that's going to be the tail wagging the dog and it's
19 going to prevent those hospitals from exercising market
20 power.

21 In terms of defining geographic markets, a
22 critical loss analysis has two steps: One is what I
23 just defined, which defines the critical loss, what is
24 necessary? How many patients can you lose before a
25 price increase becomes unprofitable? The second step

1 involves actually calculating how many patients will
2 leave.

3 Now, typically let's say in a non-hospital
4 market, just to pick a market out of the area, we'll say
5 cruise lines, you can often get data that includes
6 prices, includes quantity, and you may be able to define
7 the quality of the service relatively well. And that
8 type of data lends itself fairly well to a more formal
9 econometric type of work.

10 That doesn't play out very well with hospitals.
11 I have never seen data sufficient for a specific
12 hospital to do very good econometric work. There are a
13 host of articles out there that do look at these sorts
14 of things, but if you read the articles carefully, they
15 often, in a sense, define away the results. Sometimes
16 they'll define the elasticity and tie it to market
17 share. You see this in some kind of simulation models.
18 While it may or may not be tied to market share, that's
19 a fact to be learned, not to be assumed.

20 So, how do you go about answering the question
21 will enough people leave? Well, we've heard, again,
22 from Meg, and from Greg, you look at patient origin
23 data. Well, the way I prefer is to look at patient
24 origin data. Let's look at the merging hospitals
25 service area, but not broadly, as in the Elzinga-Hogarty

1 test. The Elzinga-Hogarty test goes, and it's basically
2 a summary of what's going on throughout the service
3 area.

4 It asks how much outflow exists and how much
5 inflow exists, but it never asks the question for
6 specific patients or groups of patients. And there's a
7 lot of danger of gerrymandering when you're dealing with
8 Elzinga-Hogarty, and as Professor Elzinga has mentioned,
9 it tends to be plaintiff oriented, it tends to define
10 markets that are too small.

11 And there's two Elzinga-Hogarty tests, a weak
12 one and a strong one. The problem with the weak one is
13 that they think the standards are 75 percent. What that
14 means is 25 percent of the patients in a sense aren't
15 even being considered, and when you think going back to
16 what I talked about with critical loss, that you only
17 need a diversion of 8, 9 percent, in typical
18 Elzinga-Hogarty analysis, you're not even addressing the
19 question. You can pass an Elzinga-Hogarty test and you
20 still have enough patients who you aren't analyzing,
21 they alone could prevent a price increase from being
22 profitable.

23 So, what I would prefer to do rather than
24 relying on aggregate data like in the Elzinga-Hogarty
25 test, I think the way to use patient origin data is to

1 go zip code by zip code. And, again, this should be for
2 a specific service, obstetrics, cardiac, whatever. And
3 the advantage of going zip code by zip code is you learn
4 when you do that that you're looking at a zip code, and
5 this zip code is located halfway between -- just to pick
6 a merger out of the air -- halfway between Poplar Bluff
7 and Cape Girardeau in Missouri. Well, it may be that
8 Cape Girardeau and Poplar Bluff are 70 miles apart from
9 each other, but there's a town halfway between that
10 provides substantial patients to the Poplar Bluff
11 hospitals, and people there not only could, but already
12 do, exercise choice.

13 So, the way I have used patient origin data in
14 the past is to look at each of these zip codes, ask the
15 question, do enough people already exercise choice for
16 the same services, and if so, I would call that zip code
17 a zip code that is an at-risk zip code, meaning if you
18 raise price, they're at risk of going somewhere else.

19 Do this zip code by zip code, and then think of
20 it as putting a little check next to zip codes in which
21 there may be problems for the hospital to exercise
22 market power. And at the end of the day, go add up
23 those zip codes and ask yourself the question are there
24 enough patients who are exposed, who are at risk, that
25 if you try to exercise market power, it would probably

1 be unprofitable.

2 You want to make sure you're not going to say if
3 the critical loss, let's say is nine, if there's 9.1
4 percent of the patients in these at-risk zip codes that
5 it's an extended market, it doesn't mean they're all
6 going to leave, but if you learn, as we learned in
7 Poplar Bluff, that roughly, say, 40 percent or 50
8 percent of the patients come from at-risk zip codes, and
9 you only need ten, then what you're saying is, if only
10 one in four or one in five of those patients who live
11 where people are already using other hospitals, actually
12 exercise this choice, well then that alone will
13 discipline the hospitals.

14 Since my time is short, let me just jump ahead
15 to the notion of incentives for using specific
16 facilities. And again, it's been covered by both Meg
17 and Greg, but I guess to have maybe one and maybe two
18 points to add to that. Number one is, and I hate to be
19 honest, I haven't completely thought this through, it
20 was a reaction that I had when I was listening to them.
21 But it seems to me if you're going to bring a case, you
22 need -- if you're the government or if it's a private
23 case -- you need to have some kind of mechanism by which
24 the managed care plan or the patient is going to have a
25 reason for changing hospitals. Because if you don't

1 have this kind of mechanism to create incentives for
2 patients to go to different hospitals, well, then it
3 suggests, I think, that you don't have the competition
4 in the first instance.

5 And that is, the merging hospitals are not
6 competing. If there's no sensitivity to price, or no
7 sensitivity to quality, at the patient level, well
8 they're going to go to the same prices even after you
9 raise your prices. Of course you get into the problem
10 of, you know, what stops you from raising price? You
11 have the Cellophane type problem. But you need -- there
12 has to exist a mechanism by which patients can choose
13 between hospitals, and that same mechanism can exist
14 that exists between the merging hospitals, can exist
15 between the merged hospitals and the hospitals outside
16 of the merged area if the patients are willing to go
17 there.

18 Which brings me to my last point, and that is
19 what are the mechanisms? Well, people have -- I mean,
20 historically, we've had those mechanisms, and it's not
21 just in or out of networks, although we do have HMO
22 plans and PPO plans and point of service plans, all of
23 which have networks, but as Meg points out, those
24 networks are getting more and more filled with almost
25 everybody.

1 Well, there are other plans that use copayments,
2 differing copayments and differing deductibles, and
3 actually we observed that in Poplar Bluff, and that was
4 one of the things that I testified in Poplar Bluff that
5 I testified to. But we also have newer things that have
6 been talked about for a long time but are becoming much
7 more popular. There's tiered plans, there's cafeteria
8 plans. And the essence of these, while they change from
9 instance to instance is, I'm a managed care plan and I'm
10 going to sell my broad product to an employer. Let me
11 use my own firm.

12 We were given health care plans, and we're using
13 Blue Cross/Blue Shield of the national capital area, but
14 and the firm's picking up a basic policy. I don't
15 remember now, I made the choice months ago, I don't
16 remember what's in the policy, but there were five or
17 six or seven alternatives that we as employees had to
18 pick up other plans that were more inclusive.

19 And if, as a result of a merger, some plans
20 priced themselves too high, the only -- it's a
21 relatively easy matter to just have one more tier and
22 have those hospitals in the higher-priced tier. And
23 those patients, or those subscribers who are willing to
24 use the higher-priced hospital, well, they're going to
25 sign up for the higher-priced tier and pay for it

1 themselves. Again, I left that out. If I want the
2 higher-priced tier, I pay a surcharge. So, if you want
3 the higher-priced tier with the hypothetically higher
4 priced merged hospitals, you now have to pay the money
5 itself. It's like any other market. The patients in
6 that world will sort themselves out.

7 Let me just give you two clues, and then I'll
8 turn over the podium. There are two recent articles,
9 there's been a host of these articles, many of which are
10 in Modern Health Care, but two recent ones which I have
11 just seen in the last two weeks. One is in a journal
12 called Health Services Research, this is the February
13 2003 edition, and it's called "An Empty Tool Box:
14 Changes in Health Plan Approaches for Managing Costs in
15 Care." And let me give you my email address, and if
16 you -- I can give you the site if you ask, it's
17 harris.b@ei.com.

18 And the last cite is in a -- I won't call it a
19 journal, it's in a magazine called Medical Economics, if
20 anyone reads Medical Economics, and I hope I don't
21 insult anybody, it's not economics like in the American
22 Economic Association, it's more like if you have a
23 successful medical practice, which kind of car do you
24 want to buy or what kind of stereo system do you want,
25 but from time to time they do have interesting articles.

1 And this appeared in the March 7th edition of it and
2 it's called "What's the Fallout of Patient's Pay," and
3 it's sort of a chatty article, but it runs through a lot
4 of the mechanisms, the tiered mechanisms, different
5 kinds of cafeteria plans, et cetera, that can be used to
6 affect choice in this way.

7 Anyway, just to sum up quickly is, I agree that
8 the merger guidelines provide a very robust mechanism by
9 which to define markets and to analyze the exercise of
10 market power. And I haven't seen anything in doing this
11 for a long time, I'm not sure I may be the oldest person
12 on this panel, that suggests to me that health care
13 markets in general and hospital markets in particular
14 cannot be analyzed under the principles outlined in the
15 guidelines.

16 Thank you.

17 (Applause.)

18 MS. MATHIAS: Ted?

19 MR. FRECH: I'm working on a project on
20 Elzinga-Hogarty tests and market share in hospital
21 markets for our coming issue of the antitrust law
22 journal with Jim Lagenfeld, and so this conference came
23 at a perfect time. The paper is not far along, but I've
24 done a lot of background work sort of getting up to
25 speed, and that's sort of the basis for a lot of what

1 I'll say.

2 First, just sort of general background, mergers
3 in health care and hospitals in particular are really
4 booming. And in a recent paper, a paper by Dranove and
5 three other guys, he said there were a thousand mergers,
6 hospital mergers in the seven years between '93 and
7 2000. And the antitrust agencies have been remarkably
8 restrained and have only challenged a few of these
9 things. And in the early period, up until '93, they
10 almost always won, and then as most of you know and some
11 of you have been involved with, since then, the FTC and
12 the DOJ or zero for six, and the state of California
13 lost a really important one in the Sutter health case.

14 So, there has been an enormous U-turn in the way
15 these things have been treated in the courts. And I
16 think the biggest source of this, intellectually, this
17 U-turn, is the treatment of geographic markets. So, I
18 think in terms of what really has leverage for the
19 courts, this is the most important session. And I'll
20 discuss some of the reasons I think why the courts'
21 ideas of geographic markets have expanded so much in
22 recent years. And I'll also, along the way, give the
23 impression which is certainly true that I don't think it
24 makes sense that they have expanded in recent years.

25 So, the earlier cases, hospital markets were

1 almost always considered local, and one of the classic
2 statements of this is by Dick Posner in the Rockford
3 Memorial case, which the 7th Circuit affirmed a decision
4 to enjoin a merger of the two biggest hospitals in
5 Rockford, Illinois. And Posner wrote, and this is a
6 famous quote, so I am going to read the whole thing, and
7 I'll tell you in a minute why it's famous.

8 So, Posner says, "For the most part, hospital
9 services are local. People want to be hospitalized near
10 their families and homes, in hospitals in which their
11 own local doctors have hospital privileges." And in
12 doing this, the court upheld a three-county area, with a
13 radius of about 30 miles, explicitly rejecting a
14 ten-county area.

15 Now, this has become a famous quote, because it
16 hasn't been followed, and it marked the way the law
17 didn't go. Now, obviously the older antitrust tradition
18 was following this quote, and this quote sort of is a
19 culmination of it, in looking at these markets as quite
20 local.

21 Also, most of the economic research on hospital
22 competition has looked at these markets as quite local.
23 And typically used things like SMSAs, single counties,
24 smaller areas than counties, sometimes pure distance
25 measures have been used, and the distances used have

1 been commonly in the ten to 20-mile range.

2 If there's a trend in the research literature,
3 it's towards smaller geographic markets, not bigger
4 ones. In the more recent models, particularly the ones
5 using logit approaches have suggested areas that are
6 definitely smaller than counties. And there's this
7 paper by, I should mention all of them, I guess, Capps,
8 Dranove, Greenstein and Satterthwaite. It's forthcoming
9 in the Antitrust Bulletin. Greg Vistnes and Robert
10 Town's paper in the Journal of Health Economics are
11 examples.

12 More recent cases are going absolutely the
13 opposite direction, the opposite of the original legal
14 tradition and the opposite of the research tradition.
15 And the markets have gotten, I would say, remarkably
16 big. In the FTC versus Freeman Hospital in Joplin,
17 Missouri, hospitals as far away as 54 miles away in
18 Springfield, Missouri, were considered to be in the
19 market. So the market was considered to be 17 counties.
20 In U.S. versus Mercy Health Services, the market around
21 Dubuque, Iowa, was expanded to include hospitals 70 to
22 100 miles away.

23 Now, so this is really a radical change. It's
24 hard to exaggerate, it's so radical. So, what are the
25 arguments that have been accepted that have led to this?

1 Well, I think there's a few of them that have been kind
2 of too casually and uncritically accepted by the courts.
3 One of them is that managed care has led to people being
4 willing to travel much farther in response to small
5 price changes. And this is the way the courts
6 distinguished what they were doing from Rockford.
7 Because obviously the government brought up the Rockford
8 case and Judge Posner's very sharp statements about it.

9 So, they distinguish it by saying, well, now we
10 have aggressive managed care that's going to send people
11 all over the place geographically in response to price
12 changes, price differences. If this argument were true,
13 it should have left some empirical evidence in terms of
14 actual distances traveled. They should have gotten much
15 bigger over time, and they should have been -- they
16 should be greater for managed care customers than
17 others.

18 Some research, some of which has been done by
19 Lee Mobley and me, some of which has been done by Jack
20 Zwanziger, and some by Morissey and White, has shown
21 this not to be true. And I want to show this in some
22 detail, partly because it comes out really nice in
23 graphs, and partly just to show that I think basically
24 Posner had it right.

25 Here's the cite of our paper, the citation part,

1 which will also work for focusing. Here's just the
2 summary of the distances. You can see it's from the
3 California OSHPD data, which is this absolutely enormous
4 data set. In our biggest version, we were running
5 regressions of over a million observations.

6 So, you can see the mean distance traveled in
7 1984, kind of back in the old days, in terms of old
8 antitrust, we were a little less than six miles for
9 either managed care or nonmanaged care. This is for 15
10 counties kind of in the middle of California.

11 In '93, after this huge growth of managed care,
12 the distances have gone up a very little bit. They're
13 still quite sure, and you can get some idea of the
14 distribution from the percentiles, but the distribution
15 graph came out so nicely, so I'll show you the actual
16 distributions.

17 That's just the distribution of people by
18 distance traveled for HMO patients in the early period,
19 and you can see you get to -- well, 15 miles, that's
20 really minor. The people are just not going very far.
21 Okay, that's supposed to be the old days.

22 Look at this HMO patients in '93, there's almost
23 no difference. In fact, there's a version of this paper
24 that we presented at the American Economics Association
25 meetings a couple of years ago where we had the exact

1 same scale, and my co-author, Lee Mobley, could flip
2 these things up and superimpose them exactly, and you
3 can see the differences are actually minuscule. Now, I
4 practiced that for hours and I could never do it. So,
5 I'm not going to try it. It's a coordination issue.

6 Now, for non-HMO patients, in the old days, not
7 much traveling. Slight -- very -- almost the same as
8 HMOs. Then in the new days, it's almost the same. That
9 is, people just aren't going very far. And this
10 includes some counties that have big distances, have
11 easy wintertime travel.

12 So, the managed care revolution did something,
13 but it didn't lead people to travel further and it
14 doesn't lead people to travel longer distances than
15 people who aren't in managed care.

16 So, that, I think, just didn't work. It's an
17 argument the courts accepted and it just isn't right.
18 Or if it's somehow left, it left no traces in the world,
19 in the observable world, which I find hard to
20 understand.

21 The next thing was a critical loss analysis that
22 was suggested by Barry Harris and Joseph Simons in his
23 1989 article. And the idea there is you start from
24 perfect competition, and you have a hypothetical
25 collusion of all the sellers in what's called a

1 candidate market. And the critical loss is the sales
2 loss that would just defeat a price increase, just make
3 it zero profit.

4 Then you compare the critical loss to the
5 expected actual loss. And if the expected actual loss
6 exceeds the critical loss, then you're not going to make
7 money from raising the prices with this hypothetical
8 collusion, and that means the candidate market is too
9 narrow, and needs to be broadened out.

10 As typically implemented, this approach is
11 problematic and tends to produce implausibly large
12 market areas. And Ken Danger, who is in the room with
13 us, and I wrote a paper in the Antitrust Bulletin, it
14 was published in the Antitrust Bulletin, in a small
15 symposium. There's also a paper there by Jim Lagenfeld
16 and Wenqing Li, so I'm not going to go into that --
17 well, anymore, really.

18 But the predicted actual loss is an important
19 part of the way this is really implemented. And that's
20 implemented by what are sometimes called contestable zip
21 codes or at-risk zip codes, were just described, or
22 sometimes overlapping service areas. And the courts
23 seem to have gone along with this pretty completely.

24 In FTC versus Tenet, the 8th Circuit blessed
25 Barry Harris' analysis, this was looking at the merger

1 of the only two general hospitals in Poplar Bluff,
2 Missouri, and Harris defined a contestable zip code as a
3 zip code where over 20 percent of the customers migrated
4 somewhere else, and found that 25 of the 31 zip codes in
5 the service area were contestable in this sense, and
6 then he argued that these customers were willing to
7 travel to other hospitals in response to small price
8 changes.

9 In California versus Sutter, the District Court
10 used a similar logic, but the term used here was
11 overlapping is service areas, but it's fundamentally the
12 same concept. And she again interpreted overlapping
13 service areas as meaning people would easily travel to
14 defeat a small price increase.

15 So, those are two arguments that have been
16 accepted by the courts, I think too easily. The third
17 one is Elzinga-Hogarty. I think that's the biggest
18 cause of expanded markets. The test proposed by Elzinga
19 and Hogarty. Now, patient flows have historically been
20 used in antitrust cases, going back to the very first
21 ones. They're based on the loose idea that a geographic
22 market should be sort of self-contained.

23 The Elzinga-Hogarty approach takes that kind of
24 mechanically and literally, and this is sort of odd,
25 because market flows are not closely related to market

1 definition and economics. And the Elzinga-Hogarty test
2 takes a logical leap from some arbitrary level of
3 migration, either in-migration or out-migration, to the
4 idea that consumers would respond to small price
5 differences.

6 Now, there's nothing in the economic analysis to
7 justify this leap. And we have actually two of the
8 people who have criticized this in the literature, Greg
9 Werden and Greg Vistnes here, but you can see their
10 papers in more detail on why this is a logical leap, why
11 there's a gap in this.

12 So, I think using patient flows as a background
13 issue, you know, one thing to look at as part of an
14 antitrust case makes perfect sense, using it as sort of
15 an up or down bright line test doesn't make sense, and I
16 think that's how it's been taken.

17 Elzinga-Hogarty starts with in-migration, the
18 area responsible for some arbitrary percentage of sales,
19 sometimes called LIFO. This arbitrary percentage was
20 originally in the first article 75 percent, later it
21 became 90 percent for a strong market and 75 percent for
22 a weak market.

23 Hospitals sometimes call these areas their
24 service areas or their catchment areas. Well, you can
25 get to these lots of different ways, but three main

1 ways. They come from first ranking geographic areas, by
2 one of three criteria. It's usually zip codes, because
3 that's where the best data we can get usually, ranked by
4 distance from the hospital, by the total number of
5 patients from that zip code, who use the hospital, or by
6 the hospital's market share within that zip code.

7 So, whichever way you do it, you add up the zip
8 codes until you get to 75 percent. Say if you're doing
9 the 75 percent level one.

10 As the paper with Jim Lagenfeld will
11 demonstrate, although we're not at the point of being
12 able to do it yet, it makes a lot of difference which
13 one you would use. It's not -- it's very sensitive to
14 these things.

15 Further, the second method -- sorry, the --
16 yeah, the second method, the method by absolute numbers,
17 especially likely to give you noncontiguous market
18 areas, market areas with gaps and holes. Now, this is
19 not literally impossible in terms of the economics, but
20 it does kind of constrain common sense to have gaps in
21 your markets.

22 Also, ranking zip codes by the number of
23 patients usually gives the largest market areas. In
24 particular, it picks up distant zip codes because
25 they're very large. The hospital may not get a very big

1 share from some distant zip code, but if it's a really
2 big zip code, by the accident of how they're drawn, will
3 be swept into the market area. And that's why you get
4 noncontiguous areas easier.

5 So, for example, a zip code that has 20,000
6 people, that's 40 miles away, might get included if the
7 hospital gets 50 patients from there, whereas ten zip
8 codes that are closer that only have a thousand people
9 each, might send 40 people each, they would get
10 excluded. So, that's how you get the gap.

11 Further, these distant zip codes that are large,
12 and this has to do with the history of zip codes, they
13 tend to be in cities where there's a hospital. So,
14 you're particularly likely to pick up a hospital by
15 ranking it this way.

16 And the courts have gone along with this, this
17 level of detail, in the recent cases. In California
18 versus Sutter, the judge explicitly endorsed it, saying
19 the method of ordering zip codes by actual numbers of
20 patients more accurately reflects the importance of a
21 zip code to the area from which a hospital draws its
22 patients.

23 In FTC versus Freeman, the District Court again
24 approved the method of building up the service area by
25 including zip codes according to the number of patients

1 each one contributes.

2 So, so far we've only been dealing with
3 in-migration, then there's out-migration, that's another
4 part of it, the other part of it, called little out from
5 inside, or LOFI, and if we are looking at a 75 percent
6 Elzinga-Hogarty model, then you would see if you have 75
7 percent of the people within the service area, who live
8 within the service area, are going to your hospitals.

9 So, less than 25 percent out-migration. If you
10 find that to be true, you have in Elzinga-Hogarty terms
11 a weak market, 75 percent market.

12 These tests often suggest market areas that are
13 improbably large, and even more so using 90 percent, of
14 course. And so I'm going to give you some thoughts on
15 why Elzinga-Hogarty markets tend to be so large. One is
16 that some customers migrate from small towns to larger
17 cities for idiosyncratic reasons, which we heard about
18 earlier today. Higher quality, more sophisticated
19 services, family connections, things like that.

20 So, some migration, especially in this
21 predictable hierarchical direction from the small towns
22 to the big cities, so more sophisticated hospitals,
23 would unlikely be price sensitive. This is where the
24 logical leap of the Elzinga-Hogarty test is most clear.
25 It's the migration, especially in this pattern, this

1 hierarchical pattern, Elzinga-Hogarty is implicitly
2 assuming if you see a lot of that migration, those
3 people are price sensitive.

4 So, this indicates that Elzinga-Hogarty is
5 especially problematic for hospital markets, which is
6 kind of curious, because that seems to be the biggest
7 area of application for it.

8 One indicator that something is wrong with
9 Elzinga-Hogarty is that sometimes it can't be satisfied,
10 indicating that markets will just keep expanding
11 forever. What happens here is, as you expand the area
12 to get to a high enough percentage to call it a service
13 area, you keep picking up more hospitals, and that keeps
14 making it more difficult and you have to expand it some
15 more.

16 According to Barry Harris' report in FTC versus
17 Tenet, this was true in that case, even at the 75
18 percent level, that they just could find no cut-off for
19 Poplar Bluff. Now, this doesn't make economic sense.
20 Poplar Bluff hospitals compete in some geographic
21 market. We may have trouble fixing the boundaries with
22 any accuracy, but it competes in some geographic market.

23 Now, let me make a few comments on some other
24 problems. One is there are special problems with these
25 flow-based measures in urban areas. It's especially

1 difficult to find a boundary. It's very helpful, in
2 actual cases, if there are natural boundaries, bridges,
3 farmland, things like that, separating sellers.

4 In a metropolitan area that's more amorphous, at
5 least at the level of detail that we can really
6 understand. It's hard to find the boundary. But it
7 seems clear that hospitals at one end of Los Angeles are
8 not competing -- are not seriously constraining the
9 decisions of hospitals at the other end. It's very hard
10 to fix where the boundaries would be in there.

11 Another issue is the question of who's making
12 the choice, and that's Greg Vistnes' point about the two
13 stages of competition. This used to have a simpler
14 answer when I first started doing this stuff, because
15 there wasn't managed care. And then obviously the
16 consumers were deciding because the unmanaged care just
17 wrote a check, wherever you went, it wasn't -- I call
18 those the bad old days.

19 Well, this survives today, only in Medicare,
20 which is kind of like a prehistoric fossil that's
21 somehow been preserved. In the good new days, there are
22 two levels. There's managed care deciding if you're in
23 the network and then there's the competition among the
24 hospitals in the network that Greg has talked about, and
25 who has written about the most, and I would recommend

1 that you look at his work.

2 This bifurcation of choice leads to a couple of
3 problems in market definition. One is that if you look
4 at competition to get in the network, you'll typically
5 get a smaller market, as Greg has said and written
6 about. This also suggests that how managers of plans
7 see the market is really important. The second thing is
8 that actual patient flow data from which we do the
9 Elzinga-Hogarty and any other patient flow analysis
10 typically reflects a world where there isn't the first
11 stage competition in an active sense.

12 And what I mean by that is that the networks
13 don't change very fast. So, we get a few years of
14 patient origin data, we're going to be picking up only
15 the second stage of competition in a period where there
16 were very little changes in the networks.

17 Let me get an example of this from this paper by
18 Vistnes and Town, where they had proprietary data,
19 wonderful data, from two HMOs in Los Angeles. One over
20 a three-year period, one of them that averaged 51
21 hospitals only added two hospitals and dropped one.
22 That big of a network. The other one, a slightly
23 smaller network, had 34 hospitals, and over that period
24 it added four and dropped two.

25 So, what this means is our patient flow data

1 only reflects the second stage competition. The first
2 stage competition moves more slowly in a sort of more
3 jumpy way, and you would have to have a really long
4 panel and know in detail who was in what networks to be
5 able to get that kind of information from that data,
6 which typically doesn't happen.

7 Another thing that I want to talk about briefly
8 is price data. You know, in a sense, people will say,
9 well there's no price data in hospital markets. Well,
10 in a sense, that's actually backwards. The problem is
11 there are millions of prices. There's too many prices.
12 Okay, first there are thousands of services that are
13 individually priced on the fee for service side, and the
14 definitions aren't even perfectly standardized.

15 The second point is a typical hospital will have
16 at least tens, and maybe hundreds of payors with
17 different prices. Not only that, the prices -- they're
18 not only different, the very bases of the price, what
19 gets priced, is different. You'll have charges, fee for
20 service, you'll get discounts off of charges, that's two
21 things that can happen. You get price per admission,
22 DRG system, like Medicare, and you might think, ah-hah,
23 now we have something that's comparable across different
24 payors, but different payors have different outlier --
25 different ways of dealing with outlier groups in that

1 system.

2 Medicare's adjustment is largely based on
3 charges, which is a very poor design, it leads to
4 gaming, and most recently, Tenet was sort of found to
5 have been gaming that massively by charging very high
6 list prices.

7 Then there's the other way prices can be defined
8 is per day, per diem charges. That's really tricky,
9 because the same per diem rate really means different
10 prices with different populations. So, if your group
11 has, say, younger healthier people with the same per
12 diem as another group, your prices in effect will be
13 different.

14 Further, per diem systems also have outlier
15 payments, at least the ones I've seen. And they're all
16 different. The way they do that is all different. So,
17 we've got -- it's not that we don't have prices, but
18 that we have too many prices.

19 So, just in conclusion, I would say the
20 scientific literature and the early court cases had
21 hospital markets as being pretty small and pretty local.
22 The courts have made a tremendous U-turn, I think, from
23 uncritically accepting some arguments that I have just
24 tried to outline, and I think the intellectual idea
25 behind it is they want to create a bright line with an

1 Elzinga-Hogarty test or a contestable zip codes or
2 something like that, and there just isn't such a thing.

3 So, I will leave you with that, maybe
4 depressing, thought.

5 (Applause.)

6 MS. MATHIAS: Thank you, Ted, and next we have
7 Greg Werden.

8 MR. WERDEN: Well, there hasn't been much
9 disagreement today, so I thought I would start with a
10 little disagreement. Ted talked about radical changes
11 since Posner's Rockford decision and attributed some
12 causes to that. I want to start by disagreeing a little
13 bit with his analysis of why things changed.

14 In the first place, I think the main change is
15 that Posner wrote that decision, the HCA decision, and
16 since then we haven't had Posner. I think that accounts
17 for a lot. Secondly, I think the main cause is the
18 application, in some cases, the erroneous application,
19 of the hypothetical monopolist paradigm, which was not
20 really applied much at all in the earlier era. And I
21 want to disagree that the use of the Elzinga-Hogarty
22 test was a prime mover here.

23 The Elzinga-Hogarty test was used in the earlier
24 cases, it was used less successfully, perhaps, but I
25 don't think it's been used all that successfully in the

1 more recent cases either, although it has been used. I
2 don't think the courts have relied on it that much. In
3 one of the cases where the FTC lost, it was the party
4 relying on the Elzinga-Hogarty test, I think wholly
5 inappropriately, and Barry is nodding his head, he was
6 on the other side, and the court didn't -- the court of
7 appeals didn't go for it much either.

8 What everybody has agreed on, although Ted
9 didn't actually weigh in on this, is that the right
10 approach is the hypothetical monopolist paradigm, or the
11 merger guidelines. I certainly go for that. I've been
12 writing about the hypothetical monopolist paradigm for
13 25 years now. If you do the math, you'll see that's
14 well before the 1982 merger guidelines were released,
15 and I have been criticizing the Elzinga-Hogarty test on
16 the basis of hypothetical monopolist paradigm since
17 1978. So, nothing I say will be all that new or
18 different, unfortunately.

19 What has changed a little bit is that the
20 hypothetical monopolist paradigm tends to be applied in
21 a quantitative way. More quantitative in some cases
22 than others. And the typical application involves the
23 use of what I call the standard formula. These are the
24 critical elasticity demand formula and the critical
25 sales loss formula.

1 And there's two variants on each of these
2 themes, there's the profit maximization calculation and
3 the break-even calculation, which is, in fact, the only
4 one that has been referred to today. Up until now.

5 The critical elasticity analysis is fairly
6 straightforward. It hasn't been mentioned, but it's
7 basically the same thing as critical loss analysis, just
8 a slightly different way of looking at things. There's
9 the profit maximization version of the calculation that
10 asks: "What is the maximum elasticity demand a profit
11 maximizing monopolist could face at the premerger prices
12 and still want to increase price by some significant
13 amount, for example, 5 percent?"

14 The break-even version of the calculation asks:
15 "What is the maximum elasticity demand the monopolist
16 could face at premerger prices and still not experience
17 a net reduction in its profits by a given price
18 increase, say 5 percent?"

19 Critical loss calculations, the two variations,
20 again. The profit maximization variation in the
21 calculation asks what the maximum reduction,
22 hypothetical monopolist could experience in quantities
23 sold and still sustain a -- want to sustain a given
24 price increase. And the break-even version asks what is
25 the quantity sold that the monopolist could lose and

1 still not experience a net reduction in its profits.

2 There are some potentially important differences
3 between these two. I say potentially, because in
4 practice, there probably isn't much. The calculations
5 that implement the hypothetical monopolist paradigm in
6 the merger guidelines are the profit maximization
7 calculations, but unfortunately they are sensitive to
8 the unknown shape of the hypothetical monopolist demand
9 curve.

10 The break-even calculations are quite close to
11 the profit maximization calculations if you look at
12 small price increases and you have high margins, which
13 are fairly normal circumstances. And the critical sales
14 loss calculation is the one calculation that's
15 independent of the shape of the demand curve, which is
16 nice, that's one less thing to speculate about or argue
17 about.

18 I don't need to go into these slides, but I
19 described all these calculations, they're simple
20 algebraic formula for implementing each of these
21 calculations for linear demand curves and for isoelastic
22 demand curves. As I said, the shape of the demand curve
23 matters. These are the demand curves for which we have
24 these handy-dandy formula. Those were critical
25 elasticity, these are critical loss calculations.

1 You see here in the last column here the
2 break-even critical sales loss calculation is the same
3 for linear and isoelastic demand curve. The reason for
4 that is that that's the one calculation that's
5 insensitive to the shape of the demand curve.

6 Now, as has been mentioned, there's some recent
7 literature on problems in applying these calculations,
8 ways to go wrong. I refer to these as pitfalls in
9 applying the formula, because I don't think there's
10 anything inherently problematic in this analysis, but
11 there are ways that one can go wrong in trying to apply
12 it.

13 First, typical applications posit small price
14 increases, but profit maximizing monopolists might
15 impose a large price increase, as might the merger, and
16 that can be a real issue in hospital mergers, and I'm
17 going to talk about a case where it definitely was a
18 real issue.

19 Second standard formula presumed constant
20 marginal cost and no avoidable fixed cost, but that
21 isn't necessarily the case, and it's not necessarily the
22 case with hospitals.

23 And third, standard formula implicitly assumed
24 proportionate increases in all of the prices. In
25 hospitals we have a lot of prices. But profit

1 maximization may involve highly disproportionate price
2 increases, so these handy-dandy formulas really don't
3 quite give you the right analysis. Probably they don't
4 go far wrong, but they can.

5 Now let's talk about some actual cases. The
6 critical loss type analysis has been used in a lot of
7 hospital merger cases. There are three cases that in
8 which there are interesting, noteworthy applications of
9 this analysis, beginning with the FTC versus Tenet, a
10 case in which the District Court accepted the FTC's
11 contention that the relevant market was limited to a
12 50-mile radius around Poplar Bluff, but the Court of
13 Appeals did not.

14 While the Court of Appeals did not specifically
15 endorse critical loss analysis, I think it's fair to
16 read the court as having been persuaded by it. It did
17 reverse the District Court, it did reject the FTC's
18 market, and it did hold that there were practical
19 alternatives for many Poplar Bluff consumers. There's
20 no doubt in my mind that the court was influenced by the
21 critical loss analysis.

22 The second case I want to talk about, one of the
23 Department's cases, Mercy Health Services, this is the
24 Dubuque Hospital merger case. As you can see by the
25 citation, the Court of Appeals opinion was vacated as

1 moot when the hospital merger was called off, because we
2 managed to drag the thing out long enough so that they
3 couldn't keep the merger together, so we chalked that up
4 as a victory for truth, justice and the American way.
5 Bottom line is all that matters.

6 Now, this case is interesting in a lot of ways.
7 For one, there were three different critical loss
8 analyses in this case. If you read the District Court
9 decision, there's actually three sections that do
10 critical loss analyses, three different critical loss
11 analyses postulating different price increases.

12 The defendant's preferred analysis, and these
13 numbers may sound familiar from Barry's talk, was to
14 impose a 5 percent price increase for which the
15 break-even critical loss was 8 percent, and for which
16 they were able to argue, my God, 8 percent, of course
17 they're going to lose more than 8 percent of their
18 patients.

19 But that's not the only analysis the court used,
20 although it did kind of like that analysis. And it's an
21 analysis that doesn't have much to do with the theory of
22 competitive effects in the case, because what the
23 Department of Justice argued was that the merger would
24 eliminate managed care discounts, which were pretty good
25 size. So, a 5 percent price increase is way out of the

1 range of the postulated competitive effects in the case.

2 And the court did consider price increases sort
3 of in the range the government was talking about, but it
4 actually did the math wrong and still didn't consider
5 price increases that were as big as the ones the
6 government was alleging.

7 The court figured for these larger price
8 increases the critical loss would be in the 20 to 35
9 percent range, the right number, which is in our court
10 of appeals brief, but not otherwise in the case, is 46
11 percent. That's the break-even critical loss for the
12 price increase the Department of Justice actually
13 alleged in the case.

14 You may notice 46 percent isn't very close to 8
15 percent. And so it makes a whopping difference which
16 one of these analyses you use, and it wouldn't be all
17 that hard, I think, for the Department of Justice to
18 convince the trier of fact that they're not going to
19 lose 46 percent of the patients, even though we couldn't
20 convince him that they weren't going to lose 8.

21 So, the level of the price increase postulated
22 makes a big difference, it seems clear to me that the
23 price increase you should consider in a case is one that
24 has something to do with the competitive effects theory
25 of the case. In this particular case, 5 percent didn't

1 have anything to do with our competitive effects theory.

2 On more or less that same subject, we have
3 California versus Sutter Health Systems. This case has
4 been mentioned several times. A hospital merger
5 challenged by the state of California, also
6 unsuccessful. Interesting case in that a major point of
7 contention between the litigants was whether there was
8 some magic about the 5 percent. And I don't know
9 exactly how, but the defendants convinced the court
10 there was.

11 As far as I'm concerned, this is the most
12 serious and clear-cut error ever made by a court in
13 applying the hypothetical monopolist paradigm. It's
14 also inconsistent with precedent in the 9th Circuit
15 which previously had held that there wasn't any magic to
16 the 5 percent. In the FTC's Olin case, in order to
17 affirm the FTC's alleged market of pool sanitizing
18 chemicals in that case, it was necessary to use a larger
19 price increase, and the 9th Circuit said, okay, no magic
20 to the 5 percent. But apparently nobody knew that in
21 this case, because nobody did their homework.

22 What the 5 percent had to do with the
23 competitive effects theory in that particular case, I
24 don't know. I don't know a lot about the facts of this
25 case, maybe there was some reason in the context of that

1 case to use 5 percent. But in general, there is no
2 magic to it, and certainly, contrary to what the court
3 said, the guidelines don't say that's the number you
4 should use. They plainly don't.

5 The guidelines ask whether a hypothetical
6 monopolist would raise price at least 5 percent. And
7 there's a lot of numbers bigger than 5 percent that are
8 at least 5 percent.

9 I think it's useful to talk about an actual
10 example. It's a hypothetical, but it looks a lot like
11 some of the real cases. In fact, it looks a lot like
12 the world as Meg described it in their second or third
13 slide, although I've got a little more specific.

14 I've got two hospitals in some small city out
15 there on the prairie merging. These hospitals serve
16 10,000 patients from the city, and these patients aren't
17 easily shifted to other hospitals. These two hospitals
18 also serve 5,000 patients from the region, don't worry
19 about what the region is, just a defined term here. But
20 these 5,000 patients are from outside the city.

21 And these are different patients. They're more
22 easily shifted to other hospitals. And I want to assume
23 that geographic price discrimination is infeasible,
24 several of the speakers have suggested that it is, I
25 think that's a pretty good assumption, at any rate, I'm

1 going to make it.

2 Now, how could you apply the Elzinga-Hogarty
3 test here in well, for starters, the Elzinga-Hogarty
4 test says that the market has to be bigger than the
5 city, because the LOFI percentage is only 67 percent.
6 What that means is that only two-thirds of the
7 hospital's discharges are to the city, and that's not
8 enough, even under the so-called weak version of the
9 test, which by the way Elzinga-Hogarty detracted in a
10 subsequent article, so it's nonexistent.

11 You don't have to worry too much about what LOFI
12 means exactly, it's "Little Out From Inside," and you
13 don't have to pay much attention to the curious
14 convention that discharges of patients are treated as
15 shipments in the application of the Elzinga-Hogarty test
16 to hospitals. I don't know who's responsible for that,
17 but it was done in the earliest applications to
18 hospitals that I encountered.

19 So, we already know that the market is bigger
20 than the city by the LOFI test. To figure out how big
21 it is, we have to add some more facts, so I will throw
22 in some more. The in-region hospitals outside the city,
23 there are some scattered out there, as there always are
24 in real cases, annually serve 5,000 patients, all from
25 within the region, but outside the city.

For The Record, Inc.
Waldorf, Maryland
(301) 870-8025

1 Hospitals outside the region get 7,000 patients
2 from inside the region, a thousand of which are from the
3 city. Now we have all the numbers we need for the full
4 Elzinga-Hogarty matrix, and we can conclude that the
5 market is larger even than the region, because the LIFO,
6 "Little In From Outside," is only 74 percent in this
7 case, which means the region hospitals account for a
8 little bit less than three-quarters of the patients
9 discharged to that region.

10 So, the Elzinga-Hogarty test says big market.
11 Now, as several of the speakers have mentioned, this is
12 typically what happens when you apply the
13 Elzinga-Hogarty -- when I have seen the Elzinga-Hogarty
14 test applied in hospital cases. One interesting
15 difference of opinion we've heard today is that several
16 speakers said the Elzinga-Hogarty test tends to produce
17 very large markets, and several said it tends to produce
18 small markets. Well, my experience is it produces very
19 large ones. At least if you use the 90 percent, which
20 generally is used. I constructed that example, so it
21 didn't make any difference whether you use 75 percent,
22 80 percent, 90 percent.

23 It turns out in the Rockford test it made a huge
24 difference whether you used 88 or 90 percent, huge
25 difference. And it's hard to explain why the 90 percent

1 is right and the 88 percent is wrong.

2 Okay, now let's talk about what I'll call a
3 naive application of critical loss analysis. I want to
4 emphasize that it's a naive application, because you can
5 apply this correctly and get the right answer, but you
6 can also apply it incorrectly and get the wrong answer.
7 And, in fact, I think that's done quite a bit.
8 Sometimes on purpose.

9 Now, in order to do this, we need a margin,
10 Barry talked about that, and I'm going to postulate 50
11 percent, which is in the range Barry said is true for
12 hospitals. The numbers I've seen, like the numbers
13 Barry mentioned, tend to run slightly bigger than 50
14 percent, but 50 is a nice, round number.

15 This gives us a break, even critical loss, for a
16 5 percent increase of 9 percent. So, the argument would
17 go, they only have to lose 9 percent of their patients
18 when they raise price 5 percent to make that price
19 increase unprofitable.

20 Now, how many would they actually lose? That's
21 the hard part, and the interesting part of the
22 calculation. The way I have postulated the numbers, if
23 they were to lose even a little less than a third of the
24 at-risk patients, patients from outside the city but
25 inside the region that are going into the merging

1 hospitals, then the actual sales loss would exceed the
2 magic 9 percent. So, this naive critical loss analysis
3 says the relevant market has to be larger than the city.

4 Now, what's the right application of the
5 hypothetical monopolist paradigm? Well, it's what I
6 call modeling the hypothetical monopolist. Of course,
7 the naive critical loss analysis is a model of the
8 hypothetical monopolist, but it's an overly simplistic
9 model with some unreasonable assumptions. That's why I
10 call it naive.

11 If you want to be more explicit about modeling
12 the hypothetical monopolist, then you have to be more
13 explicit about the assumptions that are being made. And
14 you have to start making some explicit assumptions about
15 what cost curves look like and things like that.

16 So, I'm going to assume constant marginal costs
17 and I'm going to assume that all of the fixed costs are
18 unavoidable, which is the usual kind of assumption, and
19 typically a fairly reasonable one. And it's the
20 assumption that is embedded in the critical loss
21 analysis anyway, so there I'm not departing any from the
22 naive analysis.

23 But these assumptions now allow us to construct
24 the hypothetical monopolist marginal cost curve from the
25 margin. One piece of data, the margin, and these

1 assumptions give us the cost curve.

2 Now what are we going to do on the demand side?
3 Well, as I said, these calculations are sensitive to the
4 shape of the demand curve, so we have to make an
5 assumption there, and I'm going to assume linear demand,
6 tends to be a fairly conservative assumption, but I
7 don't want to defend it, it's just an illustration. And
8 I'm going to assume that each of these two patient
9 groups have linear demand. Remember I have the patients
10 from inside the city and I have the patients from inside
11 the region but outside the city. Two different patient
12 groups, each with linear demands.

13 And now that I've assumed this, I need very
14 little more in order to construct the hypothetical
15 monopolist demand curve. I need to know something about
16 the premerger elasticities and demand of these two
17 patient groups, and I'm just going to make up some
18 numbers consistent with the stylized facts. I'm going
19 to say that the patients inside the city have highly
20 inelastic demand and postulate a demand elasticity of
21 0.25. And I'm going to say that the patients outside
22 the city but inside the region have very elastic demands
23 and postulate a demand elasticity of 6.

24 Now, what I have assumed is enough to fully
25 model the hypothetical monopolist and to calculate the

1 post-merger price in this case, because the hypothetical
2 monopolist is, in fact, the merged firm. And under
3 these assumptions, the merged firm would raise price by
4 175 percent. That is, by the way, more than 5 percent.

5 And, so, this isn't very sensitive to whether 5
6 percent is the magic number, use 10 or 15. 175 percent.
7 Notice that this is way out of whack with what we got in
8 the Elzinga-Hogarty test, and what we got in a naive
9 application of critical loss analysis. So, what's going
10 on here?

11 This is, in fact, a graph of the profit function
12 of the hypothetical monopolist. And it has this double
13 peak, because we've added together two demand curves,
14 created a kink demand curve as the aggregate. The kink
15 gives you some double peaked profit function, and
16 depending on the assumptions being made here, either of
17 these kinks could be the global maximum. But given the
18 numbers of patients I have assumed from in the city and
19 outside the city, and given the elasticities to demand,
20 it turns out that the global maximum of the hypothetical
21 monopolist profit function is way up on the inelastic
22 segment of its demand curve. Its profit-maximizing
23 equilibrium is to give up all of these patients that
24 were migrating in from the outlying areas and just jack
25 the price up to the patients who aren't going to go

1 away. It will serve a lot fewer patients, but it will
2 make a lot more money.

3 Now, go back to the critical loss analysis and
4 ask, well, what went wrong? And the answer is, we only
5 considered a 5 percent price increase. Had we
6 considered any price increase between 31 percent and 319
7 percent, doing the break-even analysis, we would have
8 found that the price increase was profitable. And I
9 didn't do a slide for this, but we can also do a
10 revisitation of the Elzinga-Hogarty analysis, and what
11 that would say is that the patient origin data is indeed
12 useful, because knowing how many patients are from
13 inside the city and how many patients are from outside
14 the city, that's useful.

15 I use that information in my analysis. But it's
16 not enough. It critically matters what the elasticities
17 of demand are for these patient groups, which, in fact,
18 I wrote in an article in 1978, so I'm not saying
19 anything different today and you need to know that. You
20 need to at least know something about that, or speculate
21 something about that, in order to apply the hypothetical
22 monopolist test.

23 Here, I also have a graph of the critical loss
24 analysis. This is a graph that considers price
25 increases all the way from zero to 400 percent, and you

1 can see that the actual sales loss, this kinked curve
2 here, lies below the break-even critical sales loss for
3 this broad range of price increases from 31 to 319
4 percent, but for these small price increases below 31
5 percent, you see that they're unprofitable, as are the
6 really big ones, higher than 319 percent.

7 So, the moral of the story is if you're going to
8 apply the hypothetical monopolist paradigm, you have to
9 take some care, think carefully about what the facts of
10 the case are, and not blindly apply formula, even if
11 those formula are perfectly reasonable in certain
12 contexts, you have to consider the context of the case.

13 A few more notes on the application of critical
14 loss analyses or the hypothetical monopolist paradigm,
15 whichever you prefer. Barry talked a little bit about
16 how you go about thinking on these margins in these
17 cases, and it's an important subject I want to touch on
18 for a moment, as well. I don't think quite enough
19 attention has been devoted to it in a lot of these
20 cases. I don't think we at the Department of Justice
21 have devoted enough attention to it in some of our
22 investigations. But there is something to be said here
23 about how to do it right, and what to think about,
24 conceptually, in deciding what the right concept of the
25 margin is in a particular case.

For The Record, Inc.
Waldorf, Maryland
(301) 870-8025

1 First of all, the relevant cost concept is
2 avoidable cost. Just like in the predation context,
3 it's not useful to think in a sterile way about fixed
4 and variable costs. What is crucial is to think about
5 the relevant experiment. What costs would be avoided if
6 the hypothetical monopolist raised price by some amount
7 and therefore lost some patients? And what is that
8 going to depend on? Well, it's going to depend on how
9 big that price increase is, and it's going to depend on
10 how big that elasticity of demand is and therefore how
11 many patients are lost and it's going to depend on the
12 time period over which you do the analysis, because some
13 costs may be avoidable over a longer period of time and
14 not over shorter ones.

15 These things you have to think about. And you
16 also have to think about some other institutional
17 details on how the product is sold and things like that,
18 because that may actually define what costs are avoided
19 in a particular context.

20 And some important issues, I put this in the
21 context of hospitals, so some of the ones that have come
22 up in other cases I didn't put on the list here, but I
23 think all of these are important in hospital cases.
24 First, there is the possibility that fixed costs can be
25 avoided, and I noted about ten minutes ago that I think

1 this possibility comes up in hospitals. And it comes up
2 in the form of shutting down some capacity. A whole
3 hospital might be shut down, that's not unknown. And
4 more likely, a department or a floor of a hospital might
5 be closed down.

6 If you do that, then you save staffing costs and
7 other costs for that department or that floor. These
8 are costs that probably would have been considered fixed
9 costs in a simple kind of costing analysis, but they're
10 avoided for this large change in output that you might
11 get after the merger.

12 Secondly, there is the question of essentially
13 opportunity costs in economic terms. And the way that
14 comes up in hospital mergers is to ask whether some of
15 the capacity that's currently being used for whatever it
16 is we're talking about, which is probably some kind of
17 inpatient acute care services, could some of that
18 capacity be diverted to other profitable uses. You
19 might switch an entire hospital to non-acute uses, I
20 have actually seen that happen. And of course you might
21 switch some beds to non-acute care uses.

22 If you can do that, and make revenue on those
23 other uses, then that revenue has to be taken into
24 account in thinking about margins.

25 And, finally, you have to think about what is

1 the margin being earned on the patients that are being
2 lost. The hospitals may earn very different margins on
3 different patients. For example, they have managed care
4 patients and non-managed care patients. And they may
5 have more favorable terms in some managed term contracts
6 than other managed care contracts.

7 You have to give some thought, you may not be
8 able to figure it out, but you have to give some thought
9 to what the margin is on the patients that would
10 actually be lost. It is perfectly possible that the
11 margins are so drastically different on different
12 patients, that you get very different answers, and it
13 may very well be that they lose the most or least
14 profitable patients in a particular case.

15 So, it's something that merits some
16 consideration. Thank you.

17 (Applause.)

18 MS. MATHIAS: Thanks, Greg. We're actually
19 going to take about a ten-minute break and then we'll
20 come back for a moderated roundtable, give everybody a
21 chance to breathe.

22 (Whereupon, there was a recess in the
23 proceedings.)

24 MS. MATHIAS: I hate to interrupt all the great
25 conversations that are going along, but this has been

1 about a ten-minute break, and let's keep moving on. All
2 right, Ken is going to open with the first question or
3 two and then I'm going to follow on and then we'll open
4 it up to the panel to ask questions of each other.

5 MR. HEYER: I had one question I wanted to raise
6 for the -- I don't know, I don't want to necessarily
7 characterize people as camps, but one question for Barry
8 and Meg and one question for Greg.

9 For Barry and Meg on the -- leaving aside Greg's
10 point about how maybe you have some inframarginal
11 customers who are inelastic, let's say we were just
12 talking about how plausible it is that you might lose 8
13 percent or 9 percent given a 50 percent margin. Do you
14 think it inherently plausible that you would lose that
15 large a share, or does one, and can one, actually go out
16 there and test for whether eight percent would leave?

17 And the reason I ask is because 8 percent seems
18 to people, well, it's not all that much, but when you
19 think about the elasticity that is implied by that, you
20 know, it's a nontrivial elasticity to lose 8 percent for
21 a 5 percent price increase. And, you know, with 50
22 percent margins to begin with, it's not obvious that the
23 hypothetical monopolist would have such a large
24 elasticity of demand.

25 So, that's sort of my question for Barry and

1 Meg. And then for Greg, on the point about this kind of
2 inelastic marginal group, I think the example you put up
3 did a pretty persuasive job of demolishing the naive
4 critical loss analysis, and by implication maybe the
5 Elzinga-Hogarty test as well, but I was curious as to
6 how one might try, in practice, to get at whether there
7 was this inelastic group that's inframarginal, given
8 what people say regarding patient flows, why shouldn't
9 we think that that inframarginal group is closer to a
10 six elasticity than a 0.6 elasticity? So, anyway.

11 MR. HARRIS: I mean, the answer in a sense is
12 almost tautological, and that is it's not clear that
13 they will move. Something is keeping them there, the
14 interesting question is whether or not it's just the
15 merged hospital, you know, the two merging hospitals,
16 vis-a-vis each other, or is it a broader group. So, in
17 that sense, you're trying to understand, you know, how
18 the elasticities stack up against each other. Is it
19 just the merging hospitals or a small group of hospitals
20 that are going to cause this.

21 I don't know that there's any magical way of
22 doing it. Ted Frech said that there's a multitude of
23 prices. What I think he means is there's a multitude of
24 kinds of prices, but what it does, it does make formal
25 econometrics in a merger context very, very difficult.

1 There are these papers, the academic papers, that
2 purport to do this kind of analysis, but again, if you
3 dig deeply into it, you find out that, as Ted said, they
4 sort of predefine the market, that's number one, and
5 they frequently have rules that tell you what the
6 elasticity is, and that's usually what cases are
7 litigated over.

8 So, I find these papers to be enormously helpful
9 for understanding what things look like and
10 understanding how health care works, but I don't find
11 them to be particularly useful in something that you
12 could use in a specific case.

13 So, what this means, and I think in the
14 practical world is, you go back to the usual questions:
15 What shows up in the documents? The documents don't
16 make something correct, but if the documents are strong
17 in some ways, they give you a notion of what the world
18 looks like. You go to testimony, and that can be
19 important, but I always hold out that testimony just
20 like documents can be wrong, and that's why we have
21 cross examination.

22 There was one employer or two employers in the
23 Poplar Bluff case who testified strongly that none of my
24 employees could ever use anyone other than the Poplar
25 Bluff hospitals, and it turns out that the Poplar Bluff

1 hospitals accounted for something like 30 percent of
2 where his employees went when he was actually cross
3 examined.

4 So, you use testimony, but you use it carefully.
5 And, you know, anything else you can use, I mean, you
6 use the patient origin and you use the usual set of
7 circumstances. Meg had a long list of the kinds of
8 things that she has used, and I agree, but I don't think
9 there's anything magic. I think you take what you have
10 and you try to answer the question. But I do think,
11 again, it would be nice to do something, some informal
12 econometrics, but I've never seen a situation with
13 hospitals where that's possible.

14 MS. GUERIN-CALVERT: I think just to add on to
15 that, and probably one of the things and why doing
16 retrospectives are helpful, but even more so having
17 hearings like this to understand what the nature of
18 current competition is is even more valuable, is looking
19 first of all as to what happens in a premerger context
20 in the particular marketplace, and also what is
21 happening in other marketplaces as to not only what are
22 the mechanisms that induce people to move that are
23 actually already employed, and/or already threatened.
24 Because in many cases that I have seen, in premerger
25 context or in marketplaces in which there is not a

1 merger going on, the mechanism by which pricing is being
2 disciplined is the threat to move patients.

3 And I think it's also particularly important to
4 recognize that in the vast majority of marketplaces,
5 it's not just the merging hospitals that have the 50 or
6 the 60 percent margins, it's all of the hospitals.
7 These are fundamentally high fixed cost firms, and I
8 think there it's understanding to Greg Werden's point,
9 what is the evidence or the facts on the relative
10 elasticities of demands of the patients for one and both
11 of the merging parties relative to each other as well as
12 relative to other hospitals.

13 Our stylized fact fits a certain number of
14 cases, two hospitals, center city, everybody else, you
15 know, 50, 60 miles away. Many of the most interesting
16 cases and the ones that are getting studied are ones
17 where you have a hospital every mile and a half. And
18 where you have very tough battles among hospitals. And
19 it's I think as useful to look there to see
20 fundamentally to answer your question, what is the
21 plausibility that some number of patients who
22 historically have been going to the merging parties, one
23 or both, could likely be induced to go elsewhere.

24 And I think, as Barry says, you don't
25 necessarily have the pricing information, you need to

1 grub around in the documents and the data to see what
2 has actually happened.

3 One of the examples that came up in the
4 Sutter/Summit case, in a similar example in the Long
5 Island Jewish North Shore case, is that there were, in
6 each of those cases, very good solid community hospitals
7 within five miles of the merging parties who had been
8 the beneficiaries of very substantial diversion by one
9 or more payors in the past.

10 But I think you have to hold it up and check to
11 see, could it happen, and not assume that it could
12 happen.

13 MR. WERDEN: Obviously it can be difficult to
14 pin down what the elasticities of any of these patient
15 groups are, particularly so because of the complex way
16 these markets are organized. There's a lot in what Greg
17 Vistnes was talking about with which I completely agree,
18 and obviously in a market organized in this complex way,
19 thinking about elasticities of demand is a problem, and
20 estimating them even a bigger problem.

21 But people have tried to do that sort of thing
22 and it might work out that you can estimate a choice
23 model with some kind of coefficient on travel cost, and
24 of course if you can't do any of that, then there's the
25 old fallbacks, employer testimony, managed care

1 testimony. The economics will get you far enough to
2 identify which patient groups you want to talk about the
3 elasticities for, and how big those elasticities have to
4 be before you don't have a localized market.

5 And then at least you have a yardstick to hold
6 the testimony up to. And then you can explore what the
7 likely reactions of managed care plans and employers
8 would be to postulate price changes, not necessarily
9 across the board price increases, but various strategies
10 that might actually occur after a merger, and then you
11 do the best you can.

12 As with these kind of issues, in many antitrust
13 cases, we don't have the kind of evidence that we would
14 ideally like to really pin these things down, and we
15 have to do the best we can with what we have.

16 MR. FRECH: I would just like to add that with
17 some assumptions and some simple theory, we can get some
18 bounds on the elasticities. I was thinking of suppose
19 the 50 percent margin is -- and this is just for the
20 sake of argument, suppose that's really the rate and
21 that's really the relevant margin for hospital decision
22 making. Well, then we know from the inverse elasticity
23 rule that the elasticity of demand at the level of an
24 individual hospital is minus 2. Okay? That's what you
25 get from the inverse elasticity rule. And it's got to

1 be less elastic when you start aggregating hospitals if
2 there are substitutes at all.

3 So, we know it can't be that the whole market at
4 the market level is bigger than two. If 50 percent is
5 really the margin, and that's really the right margin
6 for economic decision making. So, we can get some
7 bounds on it from this kind of real simple aggregate
8 theorizing.

9 MR. WERDEN: I happen to think that that kind of
10 analysis tends not to be very useful. And particularly
11 in this context: The simple calculation that you
12 describe presumes a particular model of competition,
13 which may not be the right model at all. You have to
14 talk about what the right model is before you can draw
15 inferences like that, and here the right model is
16 probably pretty darn complicated, and so it may not be
17 so easy to figure out what the pricing rule would be in
18 that model and what inferences you can draw from
19 margins. And of course there's an awful lot of
20 subtleties in thinking about what the margin is in the
21 first place.

22 So, while thinking along these lines can prove
23 useful, it's a lot of effort, and may, in the end, not
24 get you very far.

25 MS. MATHIAS: I have one question for Meg, and

1 also I want to, after Meg has a chance to respond to my
2 question, if anybody else wants to jump in on that
3 question, they can. I also wanted to recognize that we
4 pulled Jack Zwanziger up to the table, who earlier today
5 spoke some about the geographic markets. We thought it
6 would be useful to employ him on this panel as well, and
7 I think he had some questions or ideas that he wanted to
8 bring to the panel. So, I wanted to recognize that he's
9 at our table as well.

10 And, Meg, for you, if I understood Greg Vistnes
11 correctly, he seemed to imply that you could only look
12 at the first stage of competition, that competition for
13 the health plans to get into the market to determine
14 what's right to weigh. And I was wondering if you agree
15 that you can only look at the first stage of competition
16 between the -- to get onto the plan, or whether or not
17 you need to also look at the second stage. And if I
18 misunderstood Greg, he can correct me.

19 MR. VISTNES: Let me jump in.

20 MS. MATHIAS: Sure.

21 MR. VISTNES: Just to clarify a little bit.

22 What I was trying to argue very quickly is that there
23 are two stages and they should both be viewed as part of
24 figuring out how the market is working, that the first
25 stage the hospital is getting to is trying to get a

1 price, they are competing against each other for the
2 managed care plan. A big part of that is competing to
3 get in the network, but also simultaneously the threat
4 of other forms of diversion. And then secondly, there
5 is the patient level. Look at both of them, assess the
6 relevant evidence for both. It's not that just one of
7 them is important.

8 MS. MATHIAS: Okay.

9 MS. GUERIN-CALVERT: I guess overall, my sense
10 is that I don't think it's appropriate to define two
11 separate geographic markets for the those two levels,
12 and I also think that while as a stylized construct, it
13 is worth looking at, that really here I would agree more
14 with Greg Werden that I think that the appropriate model
15 in which to analyze the factors that drive the pricing
16 decision and the profitability decisions of the
17 hospitals are such that one cannot separate out the two
18 stages.

19 And as again, a very simple way of saying it, is
20 getting in a network is not making a sale. One can be
21 in a network, as a hospital, and not have a single
22 patient show up on the doorstep to purchase any service
23 whatsoever, and get absolutely any revenue.

24 Whether or not a hospital gets revenue, covers
25 its costs, makes a profit, has the ability to raise

1 price above competitive levels, depends completely on
2 whether or not it has the ability to more or less act in
3 a fashion such that it is not significantly constrained
4 or does not risk losing significant patients to other
5 hospitals.

6 And I think Greg laid it out very, very well,
7 that it is the vulnerabilities of risking loss of
8 other -- to other hospitals of patients. That is the
9 essence of whether or not one is going to be able to
10 earn super competitive returns or not. And I think as
11 well that the nature of negotiation is that it is
12 simultaneous that one is looking at what kind of price
13 one is going to offer for all the services in a contract
14 at the same time that one is negotiating to be in a
15 network, but I think the nature of the dynamics in this
16 marketplace are that we see that threats or actual
17 commitments to give or take volumes is what in essence
18 constrains the price.

19 So, I think it's artificial to separate the two.

20 MS. MATHIAS: Jack, did you want to respond?

21 MR. ZWANZIGER: I guess I actually really
22 enjoyed the discussion that I heard this afternoon. I
23 think the one sort of generic issue, and I think all of
24 you, you know, I would be interested to hear your
25 responses. I mean, I think the thing that wasn't really

1 addressed very much was the issue of patient
2 heterogeneity. I mean, I think for example when you
3 look at patients for traveling for long distances, you
4 know, for pretty simple procedures. You know, when I
5 was looking at California data, you know, I was telling
6 Greg Werden, I mean, one of the things that was striking
7 is that you would see people getting a cholecystectomy
8 traveling 150 miles, over 100 miles to go to UCLA
9 Medical Center.

10 You know, I think that, you know, just to see
11 this patient as being very price sensitive, because
12 they're willing to travel so far to get the service, I
13 think, you know, is clearly wrong. I think those
14 patients are probably the least price sensitive of the
15 patients or probably the least price sensitive of the
16 patients in the market. And so I think one of the
17 issues that, you know, and I didn't see much of this
18 really being discussed, is that it may be true that you
19 see zip codes where you have patients dividing and
20 traveling to different areas.

21 But that doesn't mean, it seems to me that, you
22 know, this is a homogenous market in which the patients
23 are dividing up based on small price differences. I
24 think it's much more likely to hypothesize that there
25 may be reasons of tradition, you know, of maybe the

1 particular physicians that they're using, and a small
2 price difference is unlikely to divert them from one
3 hospital to the other. They may have religious
4 affiliations which are determining their choice. They
5 may have quality perceptions which are limiting their
6 choice. There may be issues of, you know, they may have
7 moved from one area to the other and they may be very
8 familiar with that hospital, there may be a long family
9 tradition.

10 I mean, it seems to me to be very simplistic to
11 assume that it's price differentials that are moving
12 these patients around from one hospital -- or may
13 potentially move these patients around from one hospital
14 to the other.

15 MR. HARRIS: Let me just respond two things.
16 One is just anecdote, and a joke of mine is that now
17 that I am almost 55, I do analysis by anecdote, but this
18 goes back to the Dubuque case. It turns out that one of
19 the two hospitals in Dubuque was a Catholic hospital and
20 a non-Catholic hospital, I don't remember the
21 affiliation. I think it was a Catholic hospital, had
22 decided for economic reasons to lower their price. They
23 were going to really compete and they lowered it
24 substantially, 30, 40 percent, and no one moved. But
25 they kept the price down at the lower level.

1 Now, I later was told, and I don't know the
2 truth of this, that Dubuque is a city that's very much
3 divided along religious lines, and the people were not
4 going to change their hospitals. But that demonstrates
5 an important point, and that is, what you're suggesting
6 is important, but it applies to all the different
7 hospitals in the market. It also can apply to the two
8 merging hospitals as well.

9 You can't just assume that small changes in
10 price are going to move people back and forth between
11 the merging hospitals. So, it's a fair point, but it
12 has to be symmetric.

13 The second one is just an observation. Now, I
14 haven't done any of the large kinds of scale studies
15 that you do, I tend to work in individual markets,
16 because I'm more involved with litigation. What the
17 typical pattern, and again, this proves nothing in any
18 particular case, but the typical pattern is that people
19 are going to similarly -- hospitals that look similar.

20 If the outmigration pattern was that instead of
21 flip-flop to Poplar Bluff, instead of going to Poplar
22 Bluff, they were all going to St. Louis, or they were
23 all going to New York, well, that fits your model
24 better. But if these are people who live, I think it
25 was 70 miles between Poplar Bluff and Cape Girardeau, if

1 it's people who live, let's say, 30 miles away from
2 Poplar Bluff and it's 40 miles to Cape Girardeau and the
3 hospitals at Cape Girardeau look a lot like the
4 hospitals in Poplar Bluff, and you can see that in those
5 zip codes, that lots of people are splitting back and
6 forth. Well, it's true you can't say exactly what
7 people are going to do, but it's not a huge leap to say
8 that you're going to get some movement out of those zip
9 codes.

10 So, again, it doesn't quite answer the question
11 how specific you can be with the elasticity, because
12 you're not being specific, but I think when you actually
13 look at individual markets and look at it closely, that
14 is an issue, and it should be dealt with the best you
15 can, but as a general matter, I don't really think it
16 amounts to big numbers.

17 MS. MATHIAS: Jack, did you have a response?

18 MR. ZWANZIGER: Well, the other one, and I think
19 unfortunately from my point of view, most of the cases
20 have really been the kind of examples you've talked
21 about, which are sort of small towns, isolated, you
22 know, a few hospitals. You know, it seems to me from a
23 policy point of view that the kind of cases that I think
24 would be of most interest to me are the ones that
25 weren't litigated, which are ones in urban areas where I

1 would argue that, you know, that there is localized
2 market power, even though these kind of analyses may
3 find it hard to identify that. And I was just
4 wondering, you know, what the thoughts again were of the
5 people on the panel.

6 MR. HARRIS: I don't want to be a monopolist,
7 but again, I will be. I think, again, this gets to some
8 of the things Greg was saying, what's the price
9 increases, is it just a price increase across the board
10 or is it a price increase for different products, or
11 maybe just at different facilities. And while I don't
12 doubt that what you're saying is true, you have to ask
13 what you mean by kind of local market power.

14 Does it mean that after the merger we can raise
15 the price at both of these hospitals? Well, then you
16 have a two to one and that's well defined. Or does it
17 mean maybe that you have -- one hospital has a large
18 service area and the other area has a small service
19 area, so that in effect you can price discriminate in
20 that local area by just raising the price at the
21 hospital with the small service area?

22 It ultimately in my mind comes back to the
23 question, you must have a mechanism and the analysis has
24 to focus on whatever that mechanism is. So, to say that
25 a hospital, an individual hospital, has local market

1 power, is just saying that there's differentiated
2 products. But the interesting question in the merger
3 context is, are these the most similar hospitals, and
4 after they merge, is there a mechanism by which I can
5 exercise market power? Possibly by raising the price at
6 one. Or whatever.

7 MR. ZWANZIGER: Or both.

8 MR. HARRIS: Whatever, it depends on the
9 circumstances, but again, I think ultimately you must
10 have a mechanism.

11 MS. GUERIN-CALVERT: And I think urban markets,
12 Barry and I have an informal allocation, he does the
13 rural markets, I do the urban markets, and --

14 MR. HARRIS: I'll write that down.

15 MS. GUERIN-CALVERT: And we dropped it when I
16 changed. But I think you raise an interesting point,
17 because one of the things that I have been struck by,
18 doing a lot of work in urban markets, and looking at a
19 lot of the hospital documents and information, is that
20 it gets back to Barry's point in terms of what are the
21 services that are arguably the subject of the market
22 power, because oftentimes what happens is that while
23 there may be a city or an area in which the particular
24 hospital or hospitals are located, every few miles are a
25 number of other hospitals, and they go out for quite

1 some distance, and it's very typically the case, as in
2 the Washington, DC area, and it was the case in the East
3 Bay in California, where a very substantial amount of
4 the population growth is coming from the suburbs. And
5 these are people who work in, say, the East Bay, or
6 travel every day over to San Francisco proper for work.

7 And it turns out that if you look down at the
8 individual service level, it's hard to identify some
9 real sense of local market power, even if you measure it
10 even based on shares, that if you look at OB/GYN
11 services, you would find that there were actually a
12 surprising number of people from Oakland, from down to
13 the south, from out in Contra Costa County, who
14 routinely were going to San Francisco in very large
15 numbers, to have normal deliveries. And so I think I
16 would agree with Barry that you really have to look at
17 and identify what is it that might constitute the
18 ability of an individual hospital or the merging
19 parties.

20 The other thing I think we haven't talked about
21 much today, and it's particularly prevalent in the kinds
22 of markets you've described, is what's the mechanism by
23 which price would go up post merger? In urban markets,
24 in the Sutter case, even in the plaintiff's market,
25 there were 13 hospitals of considerable size. In the

1 market as the court found it, it was not dissimilar to
2 the Rockford case. It was basically a couple of
3 counties, with the prospect that it might also include
4 San Francisco, but it had in it about 20 hospitals, all
5 of which were relatively close to each other and to the
6 patients.

7 And what was missing in that story and what the
8 judge found was that there was no coordinated effects
9 story. There was no ability of the two firms on their
10 own to raise price, and there were a number of players
11 in the market, even with the plaintiff's market, that
12 you would have to coordinate.

13 And so I think that would be something that I
14 would raise back to the panel, is in urban markets, what
15 would be the nature of the competitive effects story
16 that one would have to tell to have a concern about
17 coordination among hospitals.

18 MR. ZWANZIGER: Well, I mean, let me try, and
19 then you can shoot me down. I mean, for example, let's
20 say you had -- let's take one stylized story, of a
21 suburb which has two hospitals, okay? And say, I don't
22 know, 50 percent of the patients in that suburb use
23 those two hospitals, and the other 50 percent go to the
24 downtown hospitals, which I think is not unreasonable.

25 Now, I guess sort of the casual story when you

1 talk to managed care plans is that they would look at
2 that suburb and they would say, you know, our network
3 would be incomplete and we would be really disadvantaged
4 if we had no hospital at all in our network from that
5 suburb, because people would really regard it as being
6 limited and a limited access network.

7 And so therefore, if you have two hospitals,
8 then you have the alternative of one or the other being
9 in the network. If both of them merge, even though it
10 would not pass any of these market tests because such a
11 large proportion of patients go elsewhere, there would
12 be a lot of pressure on the plan to sign that entity
13 into the network, and they would be able to extract the
14 price increase as a result.

15 Okay, what's wrong with that story?

16 MS. GUERIN-CALVERT: I guess what I would say is
17 looking at it right now, how is it that in that
18 marketplace right now the managed care plans do get good
19 prices from those two hospitals that are in the suburb?

20 MR. ZWANZIGER: Competition. Because the two
21 beat each other's brains out. It used to be, for
22 instance Santa Monica, which is an example of a market
23 that I knew pretty well. You would have Santa Monica
24 General right next to St. John's, two pretty similar
25 hospitals that were, you know, a mile and a half apart,

1 they would beat each other's brains out when they were
2 negotiating contracts.

3 MS. GUERIN-CALVERT: And I think in a world
4 where there was inclusion and exclusion from networks,
5 that was oftentimes the primary mechanism, I think as
6 Greg has laid out, by which volume discounts were
7 accomplished, because the beating each other's brains
8 out to be the only one in the network, the survivor of
9 that competition gets much greater certainty as to the
10 volume of business that they're going to get, and as a
11 result, more often than not, is willing to give a
12 discount.

13 What's going on in the marketplace right now,
14 though, is that those two suburban hospitals look out
15 there, and every single hospital in the entire
16 suburban/urban area is in the network, they have no
17 commitments from the managed care plans as to what kinds
18 of patient volumes they're going to be getting. And
19 that's, I think, what sets up the competition is the
20 efforts on the part of the managed care plan to try to,
21 to the extent people are willing to commit to lower
22 prices, to move more volumes.

23 MR. WERDEN: But they can still get the same
24 sort of effect in that world, and it can work out to be
25 the simple differentiated product model. The hospitals

1 raised the prices to managed care plans, the managed
2 care plans are going to be able to steer some patients
3 away from them to avoid paying that price as often, and
4 so you're going to get a localized competitive effect,
5 based on how much the managed care plans are able to do
6 in order to steer patients away, and if there are a lot
7 of patients that really want to go to these hospitals,
8 then it's going to be hard to steer patients away and
9 you're going to get a bigger unilateral price increase.

10 I completely agree with what both Meg and Barry
11 have been saying about the importance of figuring out
12 what they were calling the mechanism of a price
13 increase, I would describe it slightly differently, I
14 would say your competitive effects theory. Every merger
15 case should have one, and the market delineation
16 exercise tends to be fairly pointless in some cases,
17 because it doesn't match up with the competitive effects
18 theory, or because the competitive effects theory is
19 done well and it subsumes the market delineation
20 exercise.

21 But certainly you have to think carefully, what
22 are these hospitals going to do to exercise market
23 power, and then everything else you do has to be
24 consistent with what that thought is.

25 MR. HEYER: Greg, I just wanted to ask, maybe

1 you were about to comment, I know you've done a lot of
2 thinking and writing about networks, and maybe Greg to
3 some extent answered it already, but it's been mentioned
4 several times now that because all of the hospitals tend
5 to be in the networks, it seemed as though the
6 implication of that was, well, then, this competition in
7 the first stage isn't an issue anymore, and I was
8 wondering if you agreed with that or how you would
9 characterize it.

10 MR. VISTNES: I don't think that's really right.
11 The fact that all the hospitals are in the network, it
12 still comes back to the issue, what is the threat that
13 the managed care plan has, if one of these hospitals
14 gets out of line? And if you have, in Jack's example,
15 two hospitals across the street from each other,
16 comparable reputation, comparable services, and shared
17 physician staff, then the fact that you have all the
18 hospitals today doesn't mean you couldn't drop one
19 tomorrow, which still means that what may be the
20 principal threat is still, you drop the guy from the
21 network, and enrollees don't care that much anymore,
22 because they keep their doc, they keep the same basic
23 good access to services, but there's always still, even
24 if you do want to keep all the hospitals in the network,
25 even if the world has shifted to a point where real

1 inclusion is necessary, you still have more abilities to
2 engage in these diversionary patient tactics when
3 hospitals are similar to each other.

4 That is, if they have similar physician staff,
5 then it's still easier, especially in California, if you
6 can engage them in the risk-sharing contracts, say, hey,
7 docs, you can admit to either hospital, but it's coming
8 out of your pocket if you admit to the one that's 10
9 percent more expensive, since you're already practicing
10 at the hospital across the street, since you're already
11 sending 30 percent of your patients, why don't you send
12 50 percent of your patients.

13 That can be a very effective strategy, even
14 while retaining hospitals in the network, trying to get
15 the doctors to instead switch their patients not across
16 the street, but across town, or across county or 50
17 miles away, in a lot of cases, maybe a whole heck of a
18 lot more difficult. Not always, if they're part of a
19 huge physician clinic, and I can tell you, well, gee,
20 Mr. Jones, I'm going to admit you to the hospital 50
21 miles away and I'm happy to do that, because my
22 colleague 50 miles away is the one who will visit you in
23 the hospital, so I don't have to go across every day
24 traveling 50 miles a day to see you. That may work, but
25 the health plan still wants to think, and even the

1 doctor wants to think, what's Mr. Smith going to say
2 when he's been coming to me for all these years for care
3 he trusts to me, and then when he's lying in the
4 hospital, he sees Mrs. Jones come up to treat her.

5 Maybe that will work, maybe it won't, it's a
6 hospital-specific case, but you still have that threat
7 value. And that's I think the relevant determinant of
8 the competition that's going on.

9 MR. HEYER: Does anyone else have any other
10 questions or reactions to the various other panelists
11 who were implicitly or explicitly saying anything
12 critical of them?

13 MR. HARRIS: I just have one which is a
14 definitional point, and it's something that Ted Frech
15 said when he gave his Los Angeles example and said that
16 markets were implausibly large because hospitals at the
17 opposite ends of the market probably didn't compete with
18 each other, and I guess I think that's an irrelevancy.
19 I mean, that's too strong. I think it may be an
20 irrelevancy. And the question is, can you find a group
21 of hospitals that can exercise market power.

22 And it may very well be the case that hospitals
23 at the opposite ends of some market don't compete with
24 each other, but they compete with hospitals inside, and
25 you can never define a group of hospitals that

1 collectively could raise price.

2 Now, if you could price discriminate locally,
3 then I would say it was different, but if you can't
4 price discriminate, all that's saying is you can't find
5 a bunch of hospitals. So, I don't --

6 MR. WERDEN: It's not even necessary that the
7 firms at the edge of the market compete with the firms
8 in the middle.

9 MR. HARRIS: I agree, I'm just taking up what
10 Ted said. I think that's an observation that has some
11 value in other contexts, but not in this context.

12 MS. MATHIAS: Ted, why don't you respond?

13 MR. FRECH: Well, I think my point is that there
14 are lots of groups that you could find in that -- say in
15 Los Angeles, lots of groups of sellers that could
16 exercise market power jointly, but there's nothing,
17 nothing is going to leap out at you from patient flow
18 data about it. So, you could think of it in sort of
19 differentiated type competition in general, you know, if
20 you had -- if you're thinking of all the people that
21 make different kinds of cars, maybe a Daewoo you can say
22 is not constraining the price of a Mercedes a lot, but
23 they all kind of compete with their neighbors.

24 But there are lots of groups that you could
25 cordon off, you know, say the smallest companies made

1 the smallest cars, a third of the world, and they could
2 get -- they could raise prices probably 15 percent for
3 five years or something like that until the other guys
4 moved in. But lots of possible groups. It's just
5 really hard with the tools that I think unfortunately
6 become traditional, these patient flow tools, to draw
7 the lines. That's what I think the world is like.

8 MR. HARRIS: Well, I agree that it's difficult
9 to draw lines, but again, you have to go back to first
10 principles and the first principle is the hypothetical
11 monopolist paradigm.

12 MR. FRECH: Yeah.

13 MR. HARRIS: And any variation from that, you
14 better have a reason, and there usually isn't a
15 variation, but just the way the facts fit here, it looks
16 like there's something different.

17 Now, the one interesting thing is I never quite
18 understood how to deal with this, is that example that I
19 gave about Dubuque, that it was absolutely clear at the
20 time of the merger one of the hospitals was not behaving
21 in a profit maximizing way, because if it could lower
22 price 40 percent and nothing happened, presumably it
23 could raise it back and nothing would happen, but they
24 didn't. And I don't know why they didn't behave that
25 way, I don't even have a good hypothesis, but the

1 question is when you -- a broader question is when you
2 observe non-profit-maximizing behavior, sort of where
3 does the hypothetical monopolist paradigm fit into that?
4 I have some thoughts, but they're not well developed and
5 they're probably wrong. So, I'm not going to say it.
6 But it comes up --

7 MR. HEYER: It could be a consulting
8 opportunity.

9 MR. HARRIS: But it shows up, and my guess is
10 it's not quite as trivial as just one story in one
11 place. There's -- it's often something that you should
12 be looking at and looking at the behavior of the
13 market -- of the players in the market, again, I'm
14 repeating myself, but including the merging parties.

15 MS. MATHIAS: I have a quick kind of general
16 question for the panel. We've heard about the problems
17 of using Elzinga-Hogarty, is it something that we should
18 continue employing? Is anyone willing to defend it,
19 or --

20 MR. WERDEN: We can't continue to employ it,
21 because we ceased employing it many, many years ago.
22 We, at the Department of Justice, I think they at the
23 Federal Trade Commission. The private bar still uses
24 it, I think, because it's there. They can get the data,
25 they can do it, hey, why not? And I think probably in

1 some cases it persuades judges. But I think what we all
2 can agree on is all these data can be interesting. No
3 reason not to look at these data. But you can't draw
4 any strong conclusions from it.

5 MR. HEYER: Anyone disagree with that?

6 MS. GUERIN-CALVERT: I basically agree, but
7 differ in one respect, in the sense that I think
8 Elzinga-Hogarty is used, unfortunately, quite
9 frequently. It was used by the FTC in the Tenet case,
10 and it was used by the state in the Sutter/Summit case.
11 And were it used, as Greg said, as an organizational
12 tool, and not as the definitive word on the geographic
13 market stops here, I don't think we would have quite the
14 discussion that we've been having. But I think it is
15 used particularly in the private bar by plaintiffs to
16 draw very narrow markets, and oftentimes using 75 or 85
17 percent as the threshold.

18 Where I would differ a little bit with Greg, but
19 probably also agree with him, is that while we may want
20 to discontinue and the Department has probably been way
21 out ahead of stopping using Elzinga-Hogarty, that
22 doesn't mean that we should throw the patient origin
23 data out with that particular bath water. I think as
24 everyone here has said, it's got some value, it needs to
25 be used carefully, but I can't think of any other

1 industry where we would throw out robust huge numbers of
2 data as economists that show actual usage patterns on a
3 service-by-service basis, over in many cases decades
4 worth of time.

5 So, you know, I think -- I don't think I hear
6 anybody saying that we should ignore patient origin
7 data, but if I did, you know, that's where I think we
8 should all be cautious about that conclusion.

9 MR. WERDEN: My position always is that the
10 descriptive information about the industry is likely to
11 have some uses, and you never know which ones. So,
12 collect it, and look at it, and find out what it's
13 useful for. Patient origin data is descriptive data,
14 you know, description can turn out to be very valuable.
15 Somewhere along the line, it may answer an important
16 question.

17 MS. MATHIAS: Jack, did you have a comment?

18 MR. ZWANZIGER: Just one of the comments or
19 questions actually really for Meg is one of the
20 impressions I have, and haven't had to look at it
21 systematically, is that, in fact, if you look at patient
22 origin data over extended periods of time, they're
23 remarkably stable. I mean, if you look at market shares
24 in hospitals, you know, they're remarkably stable,
25 unless a hospital closed, or I guess less frequently,

1 opened in the area.

2 I mean, what implications would people draw from
3 that? Does that mean that relative prices have been so
4 stable over such long periods of time? I mean, you know
5 there is some information that could be derived from
6 that stability in terms of trying to come up with sort
7 of limits on price elasticities, at least short-term
8 price elasticities.

9 MR. VISTNES: I think if the data allowed, and
10 generally the state collected data doesn't allow, if you
11 knew when there were price changes affecting specific
12 plans, then you could do an explicit test to see do
13 these price changes cause that plan's patients to switch
14 between hospitals. The problem with most of the patient
15 discharge data is it doesn't accurately identify much
16 less which health plan individually patients are, it
17 does a pretty poor job of identifying which are in HMO
18 versus some form of PPO or indemnity. And trying to --
19 you don't even know which hospital's HMO and patients
20 have available for choice.

21 So, unless you have much more specific data than
22 generally available, I guess I'm falling pretty squarely
23 in the camp where the other Greg is, yeah, this stuff
24 can be useful and nice, descriptive overview, but you
25 need to be pretty darn cautious in how you use it for

1 the analytical purposes. Maybe there are some good
2 uses, but be careful where you go.

3 MS. GUERIN-CALVERT: And I think what I've seen
4 is that oftentimes the numbers are so huge, and I agree
5 completely with Greg, the way the data are aggregated,
6 you really cannot distinguish by individual plan, nor by
7 discrete periods of time.

8 What I've seen, though, for example, in the
9 LIJ/North Shore case, as well as in the Sutter/Summit
10 case, what was turned over in discovery from third
11 parties was the actual hospital usage data at the
12 individual plan level for very discrete periods of time.
13 And there you could actually track down the diversion
14 mechanisms, the letters that went out to the physicians,
15 please use this hospital more so than that hospital, and
16 you could see the shifts in enrollees that had occurred
17 in the follow-on period of time.

18 And again, there's all sorts of noise in those
19 data, but it let you look at a definable mechanism and
20 see what the result was.

21 I think the thing that gets difficult, though,
22 as Greg mentioned, is looking post merger. It's unclear
23 whether you would expect there to actually be any
24 diversion. If it was that the threat to divert was
25 sufficient to discipline pricing, then you might not see

1 any diversion whatsoever, and it may not show up at the
2 aggregated data level, and then I think we also need to
3 define what do we mean by price increase? The world
4 that we've been talking about is one in which everybody
5 is in the network, the ability to get huge volume
6 discounts is gone.

7 So, that change occurred simultaneously with
8 some of these recent mergers. We would expect in
9 general the product that's being delivered, more choice,
10 less management, is going to be a more expensive
11 product. Each hospital's price probably has gone up by
12 some, having nothing to do with mergers. And costs have
13 gone up enormously in this industry, so you have to
14 track that, too.

15 But I think you raise an excellent point, it's
16 very hard to estimate.

17 MR. VISTNES: One other sort of follow-up on
18 that, and in that regard, and I think Meg had mentioned
19 earlier, patient origin data can be very useful in the
20 context particularly of natural experiments. If you see
21 a change, then use the patient origin data to see, how
22 did that affect patient flows?

23 So, for example, if one hospital changed its
24 price dramatically or relative to the other hospitals,
25 find out what sort of flow took place. If a health

1 plan, for example, puts its physicians under capitation
2 or some other form of risk-sharing contract, which
3 arguably gives incentives to divert patients to the
4 cheaper hospital, then you can do a time series, find
5 out did that switch, in fact, occur over time? If a big
6 marketing approach took place by a hospital that's
7 alleged to say, ah-hah, here's the implication of
8 competition between hospital A and B. Look to see, did
9 it, in fact, result in 50 patients a month being
10 switched over, or five patients per year?

11 So, in that context, it can be awfully useful,
12 and it goes directly to the heart of the issue of let's
13 let the facts speak for themselves. I think we're in
14 pretty decent agreement, as much as you would ever get
15 five or six economists in agreement on anything, as to
16 some of the theoretical possibilities and the
17 conceptual, this is how the strategies would work. It's
18 more a factual question of to what extent are they
19 implemented, especially on a market-by-market. There's
20 no question that California is going to have more
21 effective, sophisticated, and accepted diversion tactics
22 than a -- well, I won't mention other places, but other
23 places.

24 MS. MATHIAS: Well, I think that we're going to
25 actually end this a little early. I think probably

1 everybody is a little relieved about that. I wanted to
2 particularly thank all of the panelists for coming and
3 participating, giving us so much of your time, not just
4 here, but also thinking about this before you even got
5 here, and it was clear that everybody spent a lot of
6 time and effort, and we really appreciate that. So, I
7 wanted to give a quick round of applause.

8 (Applause.)

9 MS. MATHIAS: And then also wanted to mention
10 that tomorrow morning we will start at 9:15. We will be
11 looking at single specialty hospitals in the morning and
12 contracting practices in the afternoon. And also, just
13 one little bit --

14 MR. HEYER: And we will be taking attendance.

15 MS. MATHIAS: One little bit of consideration,
16 it's kind of like a camp site in here, if you brought
17 something in, we would really appreciate it if you would
18 take it out with you. Thank you.

19 (Whereupon, at 4:48 p.m., the conference was
20 adjourned.)

21 - - - - -

22

23

24

25

1 C E R T I F I C A T E O F R E P O R T E R

2

3 DOCKET/FILE NUMBER: P022106

4 CASE TITLE: HEALTH CARE AND COMPETITION LAW

5 CONFERENCE DATE: MARCH 26, 2003

6

7 I HEREBY CERTIFY that the transcript contained
8 herein is a full and accurate transcript of the notes
9 taken by me at the hearing on the above cause before the
10 FEDERAL TRADE COMMISSION to the best of my knowledge and
11 belief.

12

13 DATED: APRIL 10, 2003

14

15

16 Rita M. Hemphill

17

18 C E R T I F I C A T E O F P R O O F R E A D E R

19

20 I HEREBY CERTIFY that I proofread the transcript
21 for accuracy in spelling, hyphenation, punctuation and
22 format.

23

24

25 Sara J. Vance

For The Record, Inc.
Waldorf, Maryland
(301) 870-8025