

34TH MEETING
NATIONAL BIOETHICS ADVISORY COMMISSION

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OPENING REMARKS

DR. SHAPIRO: Let's call our meeting to order.

We are diminished in numbers but not enthusiasm today.

MR. CAPRON: I thought you would say talent.

DR. SHAPIRO: I do not know if I would go that far but I think we do have an important agenda.

As you know, most of our time today will be spent dealing with issues in the international research agenda. We have a number of guests and colleagues who have joined the Commission for today's discussion.

Dr. Killen is here and Ruth Macklin, whom you all know, Alice Page is next to her up here, and will be presenting to us this morning very shortly.

Just a number of very quick announcements. Unless the National Airport stays closed or something like that I need to fly out late today and so I will not be here tomorrow. I will ask Eric to take over the session because we have some important work tomorrow, too. I hope I will be able to be here for most of today's discussions.

Second, I am going to ask Eric to just

1 perhaps lead us in a few minutes discussion regarding
2 our next stage priorities and how we might go about
3 thinking about them. I do not think we are going to
4 choose them today. I have just gotten that memo. I
5 just want Eric to refer to it. There are not enough
6 of us here today in any case to resolve that issue but
7 I think we ought to get started on that and we will
8 perhaps spend five or ten minutes on that before going
9 on to a discussion of the draft outline with Ruth and
10 her colleagues.

11 So, Eric?

12 EXECUTIVE DIRECTOR'S REPORT

13 DR. MESLIN: Right. First of all, for the
14 folks who are here, as you know the Report on Human
15 Biological Materials was sent into the President and
16 it is up on our web site. It is being printed now and
17 copies will be available in a short period of time as
18 soon as our printer gives us the last deadline. I
19 know everyone is anxious to get copies of that report
20 but it is on the web and hard copy will be available
21 shortly. Everyone knows that the Stem Cell Report was
22 delivered to the President, a statement was released,
23 a copy of which is on your table and is available to
24 the public. The Executive Summary of that report is
25 also on our web site and a manuscript prepublication

1 draft of the full report is available for any of the
2 media who are here.

3 Please see Pat Norris to at least indicate
4 your willingness to obtain one. And if there are any
5 other public members here who wish to receive a copy
6 of that manuscript version you will be able to do
7 that.

8 And we hope to have that published and on our
9 web site fairly soon. By "fairly soon," I mean within
10 the next couple or three weeks. Again all of that
11 depending on GPO publication.

12 Harold asked me just to briefly discuss a
13 memo that I have handed out for you and obviously you
14 have not had a chance to read regarding possibly
15 priority setting. As you know, we are waiting to hear
16 about the official extension of the Commission which
17 we expect we will learn the fate of very shortly and
18 all signs are that this is going to happen fairly
19 soon. So rather than waiting for that news we have
20 begun the process of establishing a proposal for
21 setting priorities and that is on your table folder.

22 Largely what the memo says, and you can read
23 it at your leisure and we can talk about it over e-
24 mail as well, is that I am suggesting that the
25 Commission take on a somewhat more systematic approach

1 to establishing their priority projects over the next
2 two years knowing full well that it is possible that
3 we could be asked for advice on particular topics. It
4 is always a good idea to plan prospectively for how
5 one wants to go about doing business.

6 So in addition to the International Project
7 which you will hear about for the rest of the day and
8 the proposal in your briefing books for producing an
9 annual status report on human subjects protections the
10 proposal for your consideration is that we contract
11 out for a couple or three or four background papers
12 that are systematic in their approach to a number of
13 topics that have been on our agenda or have been
14 mentioned by Commissioners or even by the public which
15 is part of our executive order.

16 There are two background papers that are in
17 process now. One being undertaken by Stu Kim, who I
18 will ask to just indicate himself. Stu has joined our
19 staff to help prepare a background paper on issues
20 related to gene patenting and intellectual property
21 matters. We will not talk about it at this meeting
22 but just to let you know that that is under way. The
23 gene patenting issue was contained within the
24 executive order and I certainly felt it was
25 appropriate that we give the Commission an opportunity

1 to decide whether they wish to write a report on this.

2

3 And rather than simply discussing it, the
4 proposal is to give you at the December meeting, again
5 assuming there is a December meeting, assuming there
6 is an October meeting, this background paper and a
7 number of others for you to carefully review, and then
8 to make an informed choice about which next projects
9 you wish to take on.

10 That is probably all I need to say at the
11 moment if there are any questions or comments.

12 DR. SHAPIRO: I take it -- was this a memo
13 handed out at the meeting here today?

14 DR. MESLIN: Yes.

15 DR. SHAPIRO: All right. Well, no one has
16 had a chance to really think about this carefully but
17 we might come back to it later in the day if there is
18 time in and around lunch hour sometime. If you do get
19 a chance to scan it this morning at least give Eric
20 some initial feedback. As I said, we are not going to
21 make any decisions today on this issue.

22 Larry?

23 DR. MIIKE: It is just that if we are going
24 to go through this process we need to reach closure on
25 it by the end of this year otherwise we will never get

1 it done.

2 DR. SHAPIRO: No. I think we need closure on
3 it this fall, right?

4 DR. MIIKE: Yes.

5 DR. SHAPIRO: Absolutely.

6 DR. MESLIN: The proposal that I am
7 suggesting is that you would have at your December
8 meeting three or four of these background papers that
9 you have had a chance to review and at that meeting we
10 would decide which of the projects that would be put
11 on the agenda knowing full well that the International
12 Project is being worked on at this point so the
13 decision would be made before the end of the calendar
14 year.

15 DR. MIIKE: But we would be limited to those
16 three areas. We would be limited to those 3 areas?

17 DR. MESLIN: No. I take your point.
18 Certainly at the October meeting or even by e-mail if
19 you think projects other than those that we flagged
20 here would warrant a background paper, by all means.
21 The only thing that would limit us is budget. We
22 could have as many of those background papers as you
23 would like to see. Right now there are four that are
24 being proposed and there could be others.

25 DR. SHAPIRO: Any other questions or comments

1 with that?

2 MR. CAPRON: Well, the only thing missing
3 from this document is anything about the current work
4 on human subjects and I assume that is just an
5 oversight. It is not a report which is finished but
6 it is a report which has a series of probable
7 manifestations.

8 DR. MESLIN: What I have said in the first
9 paragraph is that this does not include the
10 International Report or the Comprehensive Report,
11 Annual Report on the State of Human Subjects
12 Protections described in Tab 3. So my intention was
13 to say knowing that we may be doing something on human
14 subjects issues, which is already in the briefing
15 book, here are other topics.

16 MR. CAPRON: It would just seem to me
17 advisable that to the extent that there were two
18 topics that really gave rise to the Commission, the
19 human subjects growing out of the Radiation Panel and
20 the gene patenting growing out of the senatorial
21 interest, particularly Mark Hatfield's interest, the
22 three areas that -- I mean, if other people outside
23 the Commission looked at this, the three areas that
24 have been identified come from requests from the White
25 House, discussions among ourselves for the other two.

1

2 We ought to give some indication that we did
3 not ignore the charter when we picked topics and the
4 human subjects thing has proven to be a very large
5 topic. It has branched in various ways and it is one
6 where I think our existence can already be credited
7 with some internal responses even though we have not
8 reported about those in anything more than a cursory
9 fashion.

10 DR. SHAPIRO: That is quite right.

11 Any other comments or questions?

12 Okay. Thank you.

13 So please review this and any further
14 comments you have, and I think there will be quite a
15 lot of discussion on it between us and in between
16 meetings as we try to focus this down to fill out our
17 agenda for the next two years.

18 As Eric indicated just a moment ago, our
19 short-term agenda, that is the ones immediately ahead
20 of us, of course are on aspects of human subjects and
21 the international research. Those, I would agree,
22 will be taking most of our attention in the next four
23 or five months.

24 Okay. Thank you very much.

25 Let me welcome Dr. Burke. Thank you very

1 much for being with us today.

2 DR. BURKE: My pleasure.

3 DR. SHAPIRO: We have been look forwarding to
4 hearing from you for a while.

5 Let me now turn the discussion over to Dr.
6 Macklin, whom all of you know -- so I am not going to
7 give you any long introduction, Ruth. You will excuse
8 me for that because I think all of us know you so
9 well. But let me say once again, however, how pleased
10 we are with the help that you are giving us on this.
11 And I think judging the draft outline, at least my own
12 view of the draft outline, we are going to have a very
13 exciting report when this project is done but, Ruth,
14 let me turn it over to you.

15 ETHICAL ISSUES IN INTERNATIONAL RESEARCH

16 DISCUSSION OF PROPOSED DRAFT OUTLINE

17 DR. MACKLIN: Thank you very much. I am
18 pleased to be here and Alice Page and I will be
19 together responding to your questions and comments in
20 this first session.

21 We are going to give a very brief overview of
22 the two documents that are relevant to our work today.

23 These are the memos sent out to all the Commissioners
24 at Tab 2A, a four-page memo, and Tab 2B is the 13-page
25 draft outline.

1 Those of you who were at the July meeting in
2 Cambridge saw a very different outline and in response
3 to the Commissioners' suggestions and a subsequent
4 meeting that the international consultants had, we
5 radically altered the outline, added new material and
6 responded to most, I believe, perhaps not all of the
7 suggestions for changes, additions and so on.

8 You will see both in the memo, and my
9 apologies to those of you around this table who had
10 not received these materials before because we are not
11 going to walk through the memo or the outline,
12 assuming that you have had a chance to look at it if
13 not certainly to memorize it but at least to look at
14 it.

15 So let me say a few words about the draft
16 outline and what lies behind it and a couple of words
17 about the work plan and then turn to questions and
18 comments and suggestions.

19 First a word about the order of chapters in
20 the outline. The order of the chapters that we
21 propose is not in the order of importance of the
22 topics. Every topic is important. The reason that
23 order was chosen was essentially for a logical flow of
24 material so we can elucidate that or explain it a bit
25 more later on. One of our international consultants

1 asked -- posed the question: "Why did you put
2 informed consent first, is it because you believe that
3 it is the most important topic?" And the answer is,
4 "No, not because it is the most important topic but in
5 a sense it introduces a lot of the items that will
6 come later." It is almost a stand alone topic and as
7 you will see when we move into the subsequent chapters
8 there is kind of a logical flow so that is just to
9 explain why we chose that order.

10 A second point is just a matter of a reminder
11 and emphasis. When we met and had our brief
12 discussion in Cambridge in July the question of global
13 justice was raised and the question whether there
14 should be a separate chapter in this report on global
15 justice or whether the theme of global justice should
16 be woven through the report throughout and there
17 seemed to be a consensus.

18 There were not any votes taken but a
19 consensus that since many of the items that arise in
20 international collaborative research raise questions
21 of justice, obligations, distributive justice, even
22 compensatory justice for past wrongs that this report
23 would emphasize at various points the themes of global
24 justice.

25 Another point about the outline as it now

1 stands is you may -- some may find there to be an
2 imbalance or over emphasis in the examples on
3 HIV/AIDS. We hope to -- I will take the blame for
4 that since it is one of the areas that I know the best
5 and knew the best before I started working on this
6 project and beginning to work on the draft outline.
7 We certainly intend to correct what may be an
8 imbalance although -- and the question arises at
9 various times, the phrase, I believe, is "AIDS
10 exceptionalism," whether or not things that come up in
11 AIDS research should be unique or should be thought of
12 as unique to HIV/AIDS research or whether the
13 questions and criticisms and controversies should be
14 seen as extending to all other forms of research.

15 We will correct the imbalance when we have
16 more material and we will have some testimony from
17 international researchers at subsequent meetings so if
18 anyone is worried that the report seems too -- the
19 draft outline seems too heavily weighted with examples
20 or with a focus on HIV/AIDS we recognize that and we
21 will try to correct -- as I say, correct the imbalance
22 and welcome suggestions that anyone might have for
23 other examples in other diseases or other forms of
24 research.

25 A final point about the outline, at various

1 points the outline mentions other international
2 documents and, in fact, quite a number of them are
3 here in this -- I mean, I doubt if everyone got to
4 read it thoroughly but one of the -- one of our plans
5 in the work plan is to do a thorough going analysis
6 and comparison of the international -- both the
7 international guidelines comparing and analyzing them
8 with the U.S. federal regulations and taking a look at
9 some other countries' ethical guidelines or
10 regulations to see -- essentially to have a thorough
11 comparison and see where there may be gaps or holes in
12 the U.S. federal regulations that are addressed by
13 other countries or international documents. That is
14 part of the work plan and will find its way into one
15 of the chapters.

16 However, having said that, as I think
17 probably most everyone knows, both the Declaration of
18 Helsinki and the CIOMS document -- that is the red
19 book, the ethical guidelines -- International Ethical
20 Guidelines: Council for International Organizations
21 of Medical Sciences. Both of those documents are
22 currently undergoing revision.

23 We do not plan to enter the fray in a sense -
24 - that is taking up the debates in the draft documents
25 that have been produced both for -- well, for the

1 Declaration of Helsinki and the one that is in process
2 for CIOMS. I mean, that should not be the work of
3 this Commission.

4 On the other hand, we may be slightly
5 hampered by the incomplete or ongoing process, that is
6 if we refer to those documents in the report and this
7 Commission's report will be complete, I have good
8 reason to believe will be completed before the process
9 of revising those international documents is
10 completed, so we will have to, I think, be cautious in
11 what we say since we do not want our report to be out
12 of date in one year if Helsinki is radically changed.

13
14 On the other hand, we want to show some
15 deference to those international documents because
16 other countries pay more attention to the
17 international documents than -- international
18 guidelines than they do to the U.S. federal
19 regulations. So that is a comment about those two.

20 So what we -- did I omit anything, Alice?

21 MS. PAGE: We were going to mention a couple
22 of the other studies that we looked at, the TB and the
23 breast cancer studies, and if anyone had any other
24 ideas to please bring them to our attention.

25 DR. MACKLIN: Okay. This was back on the

1 other point.

2 MS. PAGE: Yes.

3 DR. MACKLIN: The imbalance so to speak.

4 The outline does mention a couple of other
5 examples that are -- with articles in the published
6 literature. They are referenced. That is one that is
7 a -- was a TB study in which a medication -- let's
8 find the outline and just point to where it is.

9 Chapter 2. Right.

10 Some of the same questions or possibly
11 criticisms that arose in the HIV placebo controlled
12 maternal to child transmission studies, that is the
13 criticism of withholding a proven medication or
14 something that is available in the United States but
15 not in the country where the studies are being
16 conducted, those same questions could be raised and,
17 indeed, have been raised in the placebo controlled
18 trial of TB prevention among HIV positive individuals
19 in Uganda. This is on page six in Chapter 3 of the
20 outline.

21 So that is one example and there are -- there
22 is an article in the literature and then there are
23 letters to the editor so that is another example.
24 Again even though the individuals are HIV positive the
25 study was not an HIV study. It was a TB prophylaxis

1 study.

2 And one other example that we referenced was
3 a breast cancer study. Now much of the criticism or
4 comments and controversy that surrounded that were --
5 took place within a single IRB, not raised to the
6 level of a national or international debate. The
7 article that is relevant here is the one by Love and
8 Fost in the reference list at the back.

9 It was a 1977 article that recounts a breast
10 cancer trial that was being proposed in Vietnam and
11 most of the questions that arose there were not in the
12 trial design but rather in what could be disclosed to
13 subjects and the researchers -- the researcher and
14 others in the country where the trial was to be
15 conducted wanted to withhold a lot of information that
16 would normally be required to be disclosed to the
17 subjects.

18 So those are just two other examples and we
19 will look for many more.

20 Yes?

21 MS. KRAMER: Ruth, somewhere during the past
22 few months there was a reference to -- there was some
23 criticism leveled about a hepatitis study that was
24 done in Senegal. It was a study done leading up to
25 the development of the hepatitis vaccine.

1 DR. MACKLIN: I do not know that and I hope
2 someone can speak to that.

3 DR. BURKE: I know a bit about it but I do
4 not -- the specific question is?

5 MS. KRAMER: Questions were raised about the
6 ethical standards under which those studies were done,
7 too. I am sorry I do not remember any more about it.
8 I just remember having read something about it.

9 DR. BURKE: It has been called into question
10 before. Those were done about 15 or 20 years ago.

11 DR. KILLEN: Are you looking for controversy
12 or are you looking for examples of problems?

13 DR. MACKLIN: Well, that is a good question.
14 We are not looking for controversy per se but we are
15 looking for -- and I think this fits in pretty much
16 into the assessing risks and benefits. We are looking
17 for examples that would fit a certain description,
18 namely research that either could not be conducted or
19 approved in the U.S. for whatever reason but where
20 research -- for whatever reason, good or ill -- and
21 where the research is being conducted or has been
22 conducted, and I would like to say fairly recently
23 rather than something much older because we can, of
24 course, all point to all kinds of things that took
25 place in this country years ago where what is required

1 is an assessment of why they could not be done here,
2 why they are being done elsewhere, and could be doing
3 else -- the conduct of the trials outside the U.S. be
4 justified. I would say that is the kind of example.

5 DR. KILLEN: Yes. We certainly will be able
6 to help a lot in that. We have -- the NIH has many,
7 many studies that probably could be put under that
8 rubric.

9 DR. MACKLIN: Okay. Good. Well, we will --
10 we are in the process, I think, of trying to gather
11 that information.

12 Well, what we would like to turn to now in
13 the discussion is a couple of very broad questions
14 that we would like the Commissioners to respond to
15 about the outline and for that matter the work plan,
16 the way in which we hope to proceed.

17 And the questions are, first, what, if
18 anything, is omitted from this outline? That is to
19 say are there gaps? Are there holes? Are there
20 things? Are there whole topics? I do not mean
21 specific items but whole topics or areas of
22 international collaborative research that is omitted?
23

24 Alternatively, what is in here that should
25 not be in here? Namely one of the Commissioners

1 commented in response to the outline, "This is very
2 ambitious." Well, if it is too ambitious, if it is
3 not do-able perhaps there is something that should be
4 or might be deleted or removed or at least set aside
5 until we see how the work goes.

6 Another question is in the memo where we
7 outlined the work plan we have listed individuals and
8 groups that have been written to or will be written to
9 in the course of the work of this project. For
10 example, the deans of all the schools of public
11 health. Also there is a contact that is being made
12 with CEO's of some industry and others that you will
13 see. Are there any groups or individuals or
14 categories of groups or individuals that are not
15 mentioned here that you think could be helpful to
16 write to either to try to obtain some information from
17 them or perhaps to testify at one of the meetings?

18 So with those questions -- yes?

19 DR. MIIKE: The deans that you wrote to, were
20 those schools of public health? Why schools of public
21 health if we are dealing with clinical -- basically
22 clinical research? It seems to me those were the
23 wrong deans to poll?

24 DR. MACKLIN: Well --

25 MR. CAPRON: It is not wrong, not

1 sufficiently broad.

2 DR. MIIKE: Yes.

3 MR. CAPRON: Yes.

4 DR. MIIKE: Because it seems to me that they
5 would not know the kinds of projects and clinical
6 studies that are being done overseas that -- that is
7 just not that field.

8 DR. MACKLIN: I think some of them do
9 actually get --

10 DR. BURKE: I happen to be on the faculty of
11 a school of public health and I have done lots of
12 trials internationally and I know Al Sommer has spent
13 his entire career in the international health arena so
14 it might not apply to some of the deans of schools of
15 public health but at least others I know are very
16 expert and are probably the best people to choose.

17 DR. MIIKE: Well, that may be true but I am
18 just asking a basic question about why deans of public
19 health or is there some other group?

20 DR. BURKE: I am sure there are other people
21 who might be expert as well.

22 DR. MACKLIN: Probably not versus but I mean
23 that is a suggestion that maybe we should think
24 farther --

25 MR. CAPRON: Yes. I was going to come at

1 that from a slightly different point of view. There
2 are some schools of which Yale is one which you went
3 beyond the school of public health to the department
4 head of epidemiology but besides having been on the
5 faculty of Yale, I have been on the faculty of Penn
6 and USC, neither of which has a school of public
7 health but in each case has excellent people in
8 preventive medicine and epidemiology. I mean, I think
9 the people at USC are some of the strongest people in
10 cancer epidemiology in the country and I do not know
11 on the international side but I would agree with Larry
12 that many medical schools will have faculty who have
13 been involved in drug development trials.

14 You are also meeting, as I understand it,
15 with the PhRMA people and I assume that that will link
16 you into the studies that are sponsored by
17 pharmaceutical companies perhaps without U.S. academic
18 collaborators but directly with collaborations abroad.

19
20 And I think, as Larry's suggestion, we need
21 to look at that development but I certainly thought
22 that as -- maybe Dean Sommer's reply, which is the one
23 that you highlighted, I do not know if you have heard
24 from others, was unusual. But, I mean, Johns Hopkins
25 has an age-old reputation for its excellence in

1 international health and the people there who have
2 been involved with the international efforts to
3 eradicate smallpox and so forth and so on.

4 So I saw no question that this was not a good
5 list but an incomplete one.

6 DR. MACKLIN: Yes. Thank you for these
7 suggestions. This is a question, not a comment. I am
8 wondering whether writing to deans of medical schools
9 will be a fruitful approach rather than trying to
10 identify individuals who have --

11 MR. CAPRON: Yes.

12 DR. MACKLIN: -- that is the researchers
13 themselves.

14 MR. CAPRON: But you could ask the deans or
15 their -- if they have directors or vice-deans for
16 research just to pass your letter along to those who
17 have had projects that involve international
18 collaboration, and I think it is possible -- I mean,
19 it will go in the trash can at some point but in some
20 places they would recognize the value of this
21 particularly because it is an invitation to inform our
22 process with experience that people have had not just
23 with the controversies that have made it to the pages
24 of the newspaper, and I think it is important.

25 The first chapter you have here talks about

1 or will talk about the value of -- for the world's
2 health of this process of international collaboration
3 and this would be an invitation to those who wish to
4 participate with us by giving us examples.

5 DR. SHAPIRO: Dr. Killen?

6 DR. KILLEN: Just a thought. The -- a link
7 to the academic world that is involved in this that is
8 broader than just the schools of public health would
9 be through the Fogarty Center at the NIH, which would
10 have links more to people or might have categories of
11 folks that have a lot of experience that goes beyond
12 that realm. It would be a broader net of the academic
13 world.

14 DR. SHAPIRO: Larry?

15 DR. MIIKE: I am beginning to feel sorry that
16 I even mentioned it now because it seems to me that
17 this might not be an area we want to put much more
18 effort in it since you have got a huge plate to fill
19 right now.

20 DR. MACKLIN: I think we would -- we should
21 focus on what the goal is of contacting individuals.
22 I mean, the first letter sent out to the deans was
23 more information gathering. If we want to cast a much
24 wider net and, of course, the industry is critically
25 important -- if we want to cast a much wider net I

1 think we have to ask why.

2 I mean, sometimes one can look for too much
3 information and then have it and then not know what to
4 do with it so unless we think there are real gaps that
5 will -- there will be gaps in the report if we do not
6 cast the net more widely. We have to think what the
7 goal is.

8 DR. SHAPIRO: Bernie, then Alex, and then
9 Eric.

10 DR. LO: I wanted to shift the discussion a
11 bit from the point Larry raised about who we are
12 contacting to sort of the goals. As I read through
13 that, and I certainly agree with Harold, it is very
14 thoughtful and I think it is really going to be a very
15 important and exciting report. There are two areas
16 that I would like to see us really focus more
17 attention on.

18 One is of how to resolve some of the
19 conflicts that either are in the literature or are
20 being identified by the empirical contractors who are
21 working with us. I read their reports. Over and over
22 again there were examples of problems with informed
23 consent where people do not have a western concept of
24 science and disease. You know, the issue cries out,
25 well, how do you conduct a trial and get anything

1 resembling informed consent where there is such a
2 basic discrepancy in sort of what causes disease and
3 how you treat disease.

4 There seemed to be alluded to examples of how
5 that apparently was done somewhat well by the
6 investigators and I think for the sake of balance and
7 also for the sake of being constructive it would be
8 really helpful to try and highlight creative
9 constructive solutions to these dilemmas because my
10 sense is that some of them are philosophical
11 conundrums and some of them get worked out by sort of
12 finding a way to explain things that seem to make
13 sense in the language and the culture.

14 So I think that in addition to the very
15 dramatic front page stories it would be nice to get
16 some sort of day-to-day success in the trenches so to
17 the extent that we are looking for information I would
18 like to see us collect more examples of sort of
19 dilemmas that were well handled that sort of are no
20 longer dilemmas because the investigators managed to
21 figure a way to do this well.

22 My second area that I would like to see us
23 put emphasis on are a different set of diseases than
24 what is usually given attention. It seems to me a lot
25 of the tensions in this area come from the fact that

1 there are studies -- there are conditions that are of
2 great interest to the U.S. and other development
3 countries where for all kinds of reasons it is
4 considered desirable to do studies on those conditions
5 in developing countries even though those may not be
6 the most important or the most treatable or the
7 highest impact conditions in those countries.

8 So I think, you know, a lot of the dilemmas
9 with AIDS is from the fact that we are really testing
10 things that are probably going to have more impact in
11 the developing country -- developed world than the
12 developing countries.

13 It seems to me that another dilemma is there
14 are all kinds of diseases that are very prevalent
15 which are sort of under researched for a whole host of
16 reasons and it probably is unlikely that without
17 significant input from developed countries' scientists
18 that there will be a lot of dramatic progress made.

19 I think as we talk about justice -- I mean, I
20 think just to focus on why -- what are we going to do
21 for breast cancer and diseases like that in the
22 developing countries, it is only part of the picture.

23 What are we doing for things like malaria which are -
24 - you know, do not really exist as public health
25 problems here but are really terrible problems

1 elsewhere in terms of the amount of effort that we
2 encourage in research and the types of collaborations.

3

4 Is there some way to kind of get more U.S.
5 expertise to bear on problems that are primarily
6 problems in developing countries and really have very
7 little impact in this country and, therefore, do not
8 have the kind of commercial drivers to carry out that
9 kind of research?

10 So those are just some thoughts I would like
11 to see us pay more attention to.

12 DR. SHAPIRO: If I could just ask a question,
13 Bernie. I think the latter point that you made of the
14 few points that you made, that is an issue really of
15 the shape of the scientific agenda if you like is one
16 way to describe it. And I understood your point to
17 say that we might try to think or make recommendations
18 or something regarding that, regarding just what it is
19 we spend our time on, or did I misunderstand your --

20 DR. LO: Yes. I mean, I think that is
21 certainly one question. The second thing is I think
22 that the types of dilemmas, ethical dilemmas in the
23 conduct of research that come up in trials where there
24 is no concern about exploiting the Third World
25 subjects and scientists because we are really gaining

1 information that is going to be most valuable to us do
2 not necessarily apply but there may be other dilemmas
3 that come up in that situation that we are just not as
4 familiar with.

5 DR. SHAPIRO: Alex?

6 MR. CAPRON: I wanted to address the topic
7 that Ruth had raised a moment ago about why we are
8 engaging this. Unlike academic research it seems to
9 me part of the reason that we would engage in a
10 process of broader inquiry would be to put people in
11 the relevant community on notice that this is a topic
12 that over the next year we intend to put out a report
13 about and obviously groups like the Fogarty Center
14 that have all the international contacts, including
15 the American collaborators, the pharmaceutical
16 companies will learn fairly early on but it would seem
17 to me advantageous that people in academic centers
18 around the country who are doing biomedical research
19 that takes them into collaborations abroad be aware of
20 this.

21 Now most of them have busy lives and will not
22 interact with others or whatever but as a public
23 Commission it seems to me we have an obligation to
24 make it known to people who do not necessarily follow
25 what is going on here in Washington that this is

1 afoot. It may give -- yield the benefits that were
2 inherent in the first of Bernie's comments that we
3 would get examples that would be useful to
4 understanding means of dealing with these dilemmas at
5 something other than simply a philosophical level but
6 it also serves the value that people will not be
7 surprised by our report's existence. I mean, whether
8 they agree with its conclusions or not.

9 I think that as a public Commission we have
10 that obligation. It is unlikely it seems to me given
11 my experience with this that we will be flooded with
12 more materials than we can possibly deal with. If we
13 get a lot more I think it is up to the executive staff
14 to figure out what resources are available to
15 encompass that. Obviously the two of you cannot alone
16 handle a flood of responses but I think that is
17 important.

18 I hope -- I want to end this comment and I
19 hope we will have a further chance. Bernie was
20 getting us into some further substance and I do not
21 want to comment on that yet but I hope we will have a
22 chance to get back to it.

23 DR. SHAPIRO: We will come back to that.

24 Trish?

25 PROF. BACKLAR: I was struck, Ruth, and I

1 thought that you had done a wonderful job. I want to
2 say that publicly. I said it to you privately.

3 I was struck as I read through the material
4 that you had prepared and that the researchers had
5 brought of some similar kinds of problems that we have
6 in this country that go on in the research in under
7 developed countries and I am hoping that we will not
8 let that slip by. You actually make some mention of
9 it but I want to make certain that we do address it.

10 One of the things, of course, is the
11 therapeutic misconception, which is a global
12 misconception -- globally misunderstood aspect in
13 people getting involved with research but the other
14 was extremely important and that was that people --
15 the benefits of the research often do not reach the
16 people who are the subjects.

17 And certainly when we were looking at issues
18 in our capacity report, the people who were subjects
19 of research for mental disorders, often they would be
20 not -- the benefits of the research, the medication,
21 would not follow them afterwards.

22 So that is two things that I think are
23 important.

24 DR. MACKLIN: May I respond?

25 DR. SHAPIRO: Yes, please do.

1 DR. MACKLIN: I do not want to respond to
2 everything.

3 DR. SHAPIRO: Yes, absolutely. No.

4 DR. MACKLIN: In fact, it is a very important
5 point and we are going to have to struggle with just
6 how to bring that into the report. That is the
7 report could explode in size if for many of the topics
8 raised we start exploring or giving examples of
9 similar problems in this country especially since we
10 have got the other agenda, that is the project that
11 Jonathan Moreno is doing. That may be a good place to
12 dovetail the two and to see from what we find in the
13 international setting what some of those same problems
14 and issues are in this country.

15 I mean this was noted a number of times by
16 our international consultants, too, and we are going
17 to have to struggle. We do not want to -- well, it
18 may be a problem if we have to bring many of those
19 examples in because then the report will lose focus
20 but it is -- I take your point and we will have to
21 find a judicious way to handle that issue.

22 PROF. BACKLAR: And one of the things that is
23 so interesting in such a problem that remains in both
24 places is where do you get the resources. I saw all
25 the way through this gap between resource -- the need

1 for resources and the expectations of the populations
2 who are being studied.

3 And I do not know a solution to that but I --
4 the issue of resources, Harold, is something that I am
5 hoping that you will have some input on.

6 DR. SHAPIRO: Okay.

7 Larry, do you have a question and then I will
8 go back to Alex.

9 DR. MIIKE: Yes. This perhaps can be
10 answered better by Drs. Killen and Burke but I was
11 thinking that getting back to your examples rather
12 than picking on particular diseases that might raise
13 issues, it seems to me an obvious area would be in
14 multicountry international studies where you have the
15 same -- basically same research going on where you are
16 going to deal with all the different issues depending
17 on the countries. And it seems to me that there would
18 be an easier way of teasing out some ethical questions
19 because you obviously are going to have no problem in
20 this country but terrible problems in another country
21 even with the same protocol.

22 DR. SHAPIRO: Alex, and then Eric?

23 MR. CAPRON: Well, I am not clear where we
24 are in the discussion but it seems as though we are
25 going into the substance of the discussion and I have

1 a point which is a direct follow-up on the point that
2 Trish just raised.

3 DR. SHAPIRO: Okay. Let's focus on this
4 question we started out with here and finish with that
5 one.

6 MR. CAPRON: Okay.

7 DR. SHAPIRO: And then we will go on to some
8 others but why don't you make your comment?

9 MR. CAPRON: Well, I am happy to wait if you
10 would prefer -- well, let's resolve the other one
11 here. I can wait.

12 DR. SHAPIRO: It seems to me on this issue of
13 who to contact and so on that the point that Alex is
14 made is quite right. There is -- beyond your needs as
15 a researcher we have an obligation as a Commission to
16 let people who might be interested in knowing what we
17 are doing is let them know.

18 I think that, however, is a job, Eric, for
19 you and the staff to figure out the best way to do
20 that and not to burden you with that. That is a much
21 larger group than you need to consult. So I think it
22 would be helpful if we sort of split this into two
23 where you can contact who you believe to be the most
24 knowledgeable people to answer the kinds of questions
25 you have specifically.

1 MR. CAPRON: But I thought that this list
2 that we have here was a list of people that Eric had
3 written the letters to; isn't that correct?

4 DR. MESLIN: The list of the people that are
5 there are the first set of those who we have already
6 written to and it is not an exhaustive list.

7 MR. CAPRON: No, but I mean that was -- that
8 was not -- all of the burden was not on Ruth. It is
9 just that the results may inform --

10 DR. SHAPIRO: No, I understand that.

11 MR. CAPRON: Yes.

12 DR. SHAPIRO: And so I think that is an issue
13 that, Eric, you in consultation with Ruth, you can
14 just think about who it is --

15 MR. CAPRON: Right.

16 DR. SHAPIRO: -- that might have some
17 interest and might want to know, as Alex said before,
18 so we do not surprise relevant people or at least it
19 will be their fault if we surprise them. We will
20 surprise them no matter what but I mean people get too
21 much mail but at least we have to make an effort to do
22 that.

23 And then we have the more focused effort that
24 you have. Let me focus on that question, that is who
25 to contact that might have knowledge who can

1 contribute to this. Schools of public health,
2 obviously deans of medical schools or other people at
3 medical schools and elsewhere would be useful.

4 I have a question which came up in another
5 connection, namely do we have any reason to believe
6 that there are nonprofit organizations outside of
7 universities that are sponsoring and/or conducting
8 research of the kind that you are interested in and
9 whether that is a trivial number, which is not worth
10 our attention, or whether that is a significant
11 number, that is, for example, a foundation just to
12 take an example?

13 I do not know. Perhaps colleagues here do
14 know.

15 MR. CAPRON: Rockefeller.

16 DR. SHAPIRO: And then the question is
17 whether those might be sources of interests because as
18 I looked over the material in our briefing book which
19 lays out what NIH is spending, of course it raises the
20 obvious question what are the private companies
21 spending, and that is something we will try to get a
22 hold of. But then there is this other set of agencies
23 and I have no idea myself what the volume of that is,
24 whether it is large and interesting or small and
25 uninteresting. I just do not know but it just may be

1 a source that you want to look at.

2 Yes?

3 MS. PAGE: In response to your question I
4 know that the -- several of the consultants are
5 putting together lists for their projects and one of
6 the lists they are putting together is a list of
7 applicable foundations and not-for-profits so we are
8 hoping to draw from their list.

9 MR. CAPRON: Jack, is the Gorgus (?) Center
10 still in business?

11 (Simultaneous discussion.)

12 DR. KILLEN: The Gorgus Center per se is not
13 but there are research outposts, if you will,
14 supported all over the world.

15 MR. CAPRON: I mean that was a federally
16 associated center.

17 DR. KILLEN: But that is again by the
18 Fogarty. The Fogarty link here is really critical.

19 MR. CAPRON: Yes.

20 DR. KILLEN: And asking them for help
21 figuring out who to contact.

22 DR. MACKLIN: We are in constant and ongoing
23 touch with them and I see Rob Eiss (?) sitting back
24 there so we will -- they have been very helpful to us
25 and we, in turn, are hoping to be helpful to them and

1 work together because they are exploring a lot of the
2 same issues.

3 DR. SHAPIRO: Eric?

4 DR. MESLIN: Just a quick suggestion to try
5 and answer the who should we call, it really came up
6 from, I think, Larry's very good question of why
7 public health. You may find it easier to answer that
8 question if you give us some feedback as to whether
9 the type of studies that you think this report should
10 focus on -- Larry mentioned clinical trials as opposed
11 to preventive medicine studies would be an appropriate
12 focus of the report.

13 You have not read fully, I appreciate, the
14 priority setting suggestions memo that I sent around
15 but one of the suggestions is that there may be so
16 much international research that this report might
17 best focus on clinical trials that are conducted or
18 sponsored in other countries and leaving aside the
19 "public health research" projects for another study.

20 There may be so much overlap that it is
21 indistinguishable.

22 Rather than simply asking should we write to
23 deans of medicine or public health or nursing or
24 pharmacy or health administration, which we can write
25 to all of them for all of the reasons that you have

1 suggested as we have written to heads of national
2 bioethics advisory Commissions in other countries or
3 international bodies. So there may be either from our
4 speakers today or from Commissioners a sense that the
5 type of study or the areas of investigation can help
6 focus the report more than simply to whom should we
7 write letters.

8 DR. SHAPIRO: Ruth, what is your view of
9 that?

10 DR. MACKLIN: This particular point?

11 DR. SHAPIRO: Yes.

12 DR. MACKLIN: I guess my view is we want to
13 take all suggestions and I mean I do not have a
14 priority here but whatever might yield the most
15 fruitful information for us and I think here we are
16 relying both on the consultants and on Donald and Jack
17 who know a lot of this area is probably the best way
18 to --

19 DR. SHAPIRO: Perhaps we can discuss not only
20 that specific point but two of the other issues you
21 raised that have to do with the ambition of the report
22 and what is omitted, both of which focus on the
23 agenda, the report itself, and perhaps we can now
24 focus on those issues.

25 I think, Alex, you had -- did you have some

1 comments you wanted to make?

2 MR. CAPRON: I had comments on what is a
3 central issue that is raised here that ties in with
4 the global justice question.

5 DR. SHAPIRO: Yes.

6 MR. CAPRON: Is this the appropriate time?

7 DR. SHAPIRO: Absolutely.

8 MR. CAPRON: On page 3 of the outline you --
9 the first paragraph begins with a discussion of what
10 you call four overarching ethical requirements.
11 Three of them are the substantive requirements and the
12 fourth is the requirement for independent ethical
13 review and actually I would say that all four are
14 aligned in the Belmont Report, which talks about IRB's
15 as well in passing, but it is really on the third one
16 that I wanted to address your attention.

17 You go on in the bottom of the page and over
18 to the next page to draw out four questions which then
19 become the focus of the subsequent chapters. One from
20 each of these three -- the three central ethical
21 principles or requirements that underlie research.
22 And it seemed to me that the first two statements of
23 the requirements and, therefore, the questions that
24 grow out of them were pretty straight forward.

25 The third one you describe as the requirement

1 of distributive justice. I do not think that is what
2 the federal regulations require but maybe they ought
3 to. They require the equitable selection of subjects
4 and unlike if one consent and an appropriate ratio of
5 benefits of risk, which as I say I think are well
6 reflected here, transmogrifying equitable selection of
7 subjects into a fair distribution of benefits and
8 burdens of research is a big step.

9 Now it is -- I am not raising this as
10 something we ought not to do. I am raising it as
11 something which connects us back to what Eric and
12 Harold mentioned before, which is our comprehensive
13 report and our re-examination of the basic tenets of
14 the Common Rule because when equitable selection of
15 subjects was written I think what was in people's
16 minds was closer to one of the points that Hans Jonas
17 made in his famous 1967, '69, published finally in
18 '69, Daedalus article where he talked about the --
19 sort of the idealized hierarchy of subjects would be
20 starting with the researchers who are the best
21 informed about research and then people who are in a
22 position not only to know a lot but to make -- have a
23 lot of free choice working one's way down to those
24 people who are, in fact, or at the time were
25 disproportionately represented among the people who

1 were, in fact, research subjects, that is to say
2 people going to public hospitals or to public clinics,
3 people dependent upon their physician or the health
4 system for their care and with very little choice and
5 often very little understanding that they were
6 entering into a situation in which they were research
7 and teaching material as people then said.

8 And saying that that was not going to pass
9 muster and that there was a notion of being fair in
10 the selection of subjects was the focus. That is a
11 good focus. It is one we probably have not fully
12 achieved. Saying that if you have been in research
13 you are now owed some obligation by those who
14 conducted the research for your future care is a
15 different concern.

16 Now obviously if you select people, all of
17 whom, have free access to the health care system and
18 can afford anything you come up with, it is not an
19 issue, so if you were using Jonas' ranking you would
20 not have a problem but you see my point.

21 And it is to the extent that this is, as it
22 were, misstated that it ties it more directly into the
23 global justice issue and I have, therefore, a
24 suggestion about this. Either that right at this
25 point -- at the top of the page you correctly state

1 what the thing is and then when it comes to the
2 question perhaps we say this question, you know, sort
3 of -- you know, this requirement hints at or could
4 provoke this broader question of being fair but in a
5 way this report offers the opportunity by raising
6 questions of what would be -- what is equitable in the
7 bigger sense into this and it is the same way that
8 Bernie separated his points.

9 If you do studies abroad that you could just
10 as well do here, if you study contraception in Puerto
11 Rican women and develop the pill in Puerto Rico and
12 then bring it back to Scarsdale, you have a question
13 about the equitable selection of subjects in part
14 simply because the population is going -- is less able
15 to make choices for all those reasons and, in part,
16 maybe because maybe they will not be able to get
17 access to it and likewise with AIDS vaccines or
18 whatever you are doing.

19 But if you say that raises this question of
20 the long-term relationship between the process of
21 discovery and then the fair access to the drugs
22 afterwards you are raising a question which is
23 provoked by that but it is different and which then
24 does move it seemed into the question that Bernie is
25 raising which is where do you choose to spend your

1 money, how do you select the topics in the first
2 place.

3 I, for one, do not think that our report
4 probably should get into other than noticing that in
5 the world at large our efforts at achieving this kind
6 of microjustice as to any particular project may seem
7 odd if the Health Minister of Mali is saying, "My real
8 problem is malaria or river blindness or some other -
9 cysticercosis/cystinosis -- I mean some other much
10 bigger killers than what you are here to study." And,
11 you know, this seems like dancing on the head of a
12 pin, some of the refinements you care about when you
13 are not making money available for research on what to
14 me are the world's big killers.

15 I mean that would be a question that we could
16 raise. I do not think we can address in this report
17 on the actual process of carrying out these studies on
18 the larger question. We can raise it as a connected
19 question and as a question that puts these issues into
20 perspective.

21 I do not think we can say this is how the
22 research agenda of United States companies or the
23 Fogarty Center or NIH should be set but, I mean, I am
24 trying to raise two or three points here both about
25 greater candor about where we are starting from and

1 then maybe being willing not in some unnoticed fashion
2 but very obviously to take the leap and say maybe
3 point three, the equitable selection of subjects,
4 needs to be changed even in the U.S. to ask these
5 broader questions.

6 DR. SHAPIRO: Yes, Ruth?

7 DR. MACKLIN: Yes. I have actually -- it is
8 a -- I do not disagree at all with your analysis when
9 you say the U.S. federal regulations do not deal with
10 this requirement of distributive justice and this is
11 not to defend what is here but to explain.

12 The Belmont Report includes this concept. It
13 does talk about the beneficiaries of research, not
14 just the equitable selection of subjects but that the
15 people who are selected as subjects should also be
16 beneficiaries. So that goes beyond the selection of
17 the subjects in the trial.

18 This -- the question as posed here and as
19 restated at the top of namely --

20 MR. CAPRON: Page 4?

21 DR. MACKLIN: Yes, the top of page 4. Where
22 is page 4? Right. What is owed to research subjects
23 during a trial and after the completion of research is
24 not quite rightly in our federal regulations. It is,
25 however, something that is elucidated and elaborated

1 in the CIOMS document and in something called -- you
2 will have to help me here -- the interim guidelines
3 from the MRC that is a more recent document than the
4 guidelines by which the MRC that governed our research
5 -- they have kind of inserted something as interim
6 meaning probably they are going to revise the whole
7 thing. They also address the question is what is owed
8 to research subjects.

9 MR. CAPRON: Right.

10 DR. MACKLIN: So that question here is not
11 meant to flow from our federal regulations.

12 MR. CAPRON: I know. I see -- I did not
13 state what my starting premise was, which I thought
14 reflected the Commission's discussion before you
15 joined the project about a year-and-a-half ago or
16 something when we were going through this. Maybe the
17 last time Jack was here.

18 We had to ask ourselves are we writing a
19 CIOMS document? Are we writing -- what are we doing?
20 Why are we doing this topic? And I thought that we
21 said, "Look. Both the FDA and the department and
22 everybody else who is concerned with the Common Rule
23 start off with a set of regulations. American
24 researchers have to comply with those regulations.
25 Are there problems in those regulations which make

1 compliance difficult? Are there gaps in those
2 regulations which allow research to go forward with a
3 blind eye towards important considerations?"

4 In other words, taking our regulations as the
5 starting point we are supposed to be under our charter
6 addressing issues that have a direct federal impact
7 and here was what I thought was a direct federal
8 impact.

9 And so I agree with you. The topic here and
10 the way of looking at it is not new either to our
11 federal government or to these international documents
12 but to the extent to which the Common Rule departs
13 from those documents.

14 I think we need to be more explicit in
15 showing what the starting point in the Common Rule is
16 and where further thought has led us because one of
17 the recommendations that we may be coming up with is
18 the need for the change. It is not just general
19 guidelines. I mean, the CIOMS document, and as one of
20 the people who were involved with writing it and so
21 forth for CIOMS, it is a document that I think is
22 valuable but it is not a binding document on anybody.

23 It is used very widely now because many countries
24 were looking around for a document to guide this
25 international collaboration and so forth but the

1 federal regulations are binding documents on people
2 who receive federal funds.

3 Do we think that this broader view of justice
4 needs to be more explicitly incorporated? That is I
5 guess where I would stand. I do not -- what I am
6 saying is I do not think we can do that just sliding
7 along into it. I think we have to confront the fact
8 that the Common Rule takes this fairly narrow view of
9 what justice is, which is the equitable selection of
10 subjects.

11 DR. SHAPIRO: Let me make a comment on this
12 that also relates to the question of the ambition of
13 this report. While I think the point that Alex makes
14 that we ought to be explicit about where we are
15 dealing with something that is not yet incorporated in
16 the Common Rule and may never be and so on is a very
17 useful one and I think would help ground the
18 discussion, however I really cannot see how we could
19 have this report without in some way -- and I do not
20 know -- raising these broader issues they are really
21 so critically important.

22 MR. CAPRON: Well, I agree.

23 DR. SHAPIRO: They are very much related in
24 my own mind to informed consent because what you owe
25 someone -- I mean, that is a premise. It is not a

1 fact. You may not owe them anything depending on the
2 situation that has developed and what the informed
3 consent was and maybe they are paid or unpaid and
4 there are all kinds of issues. I am a little bit
5 worried about going too far because it is a huge
6 subject. Distributional justice is extremely
7 important but very difficult and so that in terms of
8 just the ambition, not -- we should find some way to
9 put a bound on it in this area because that can lead
10 us anywhere.

11 The issue that Bernie raised, which is also
12 related, that is what does the scientific agenda look
13 like, and where are we spending our resources, is also
14 related to this issue. Also a very, very difficult
15 issue. We cannot -- I mean, not that we cannot.

16 It would be very difficult for any group like
17 this to take the whole scientific agenda and say we do
18 not think it is properly allocated and it ought to be
19 allocated in this way. That is a tough, tough issue.

20 We can raise it. We can discuss it. We can
21 highlight the issues that it raises but in terms of
22 just the ambition that we have, I am referring to that
23 part of your question, we should be somewhat modest as
24 to where we can come out there. That is all at least
25 in my judgment.

1 Bernie?

2 DR. LO: To follow up on what I think is a
3 very useful discussion that Alex started, I think the
4 main point should be that we should be very clear both
5 in our own minds and in the report to separate out
6 what is part of the regulations and what is part of
7 sort of the international bioethics consensus that is
8 emerging.

9 And it seems to me that if we look sort of to
10 the end product, the types of recommendations that we
11 are going to come out with, I think there are some
12 recommendations which have to do with given that these
13 are the current recommendations, current regulations,
14 there are some problems with how they are implemented
15 in practice and some solutions to how -- some
16 recommendations to how to better resolve those issues
17 and that is why I raised the first point about trying
18 to get some more practical, you know, on the field --
19 in the field on the ground guidance.

20 I think there are other issues where we want
21 to signal we are not happy from an ethical perspective
22 with the way these current regulations are and we want
23 to raise the questions as has been raised in the
24 Belmont Report and now increasingly being raised by
25 these other national/international Commissions that we

1 need a broader conception of justice and I think, you
2 know, we may want to recommend -- well, it seems to me
3 one of the recommendations can be that somehow we need
4 to broaden our view of justice from that which Alex
5 described as being part of the current regulations,
6 this broader view.

7 And then there are other issues I think we
8 just want to signal we are concerned. We are
9 disturbed. There are huge issues, I think, of the
10 larger issue of distributive justice in the scientific
11 agenda. We may just say someone else ought to study
12 it and the NIH ought to look at it or the other
13 Commission or something. But I think if we sort of
14 try and clarify for ourselves the types of
15 recommendations, I mean, which we have done in our
16 other reports, some things we have said this ought to
17 be changed in the regulations, others have said given
18 the way the regulations are they ought to be
19 interpreted this way or they ought to be this way, and
20 these are other issues that someone else ought to take
21 care of and we are just saying for the record other
22 groups ought to take care of them.

23 But I think the grounding -- the sine qua non
24 is that we are very clear as to what is a regulation
25 and what we would like to see in sort of an ideal set

1 of regulations that we could rewrite but all
2 throughout our existence we have recognized we cannot,
3 unfortunately, go back to a clean slate. We sort of
4 have to start with what is there.

5 DR. SHAPIRO: Could I -- let me make a
6 comment, Ruth, and then ask a question in a somewhat
7 different area, really just a question of fact.

8 One is going back to the ambition. I mean,
9 one of the things that worried me about the first
10 draft, which is not in the second draft and,
11 therefore, I thank you for it, has to do with some of
12 the historical cultural evaluation of these societies,
13 which seemed way beyond what we could accomplish.
14 Very important but way beyond what we could do so I am
15 really very appreciative of the work you have already
16 done to make this something we could really manage in
17 the time we have.

18 With respect to -- I do not know whether to
19 call it omissions or not -- there is a reference, I
20 think it is on page 2, you referred to an article, I
21 think, in the New England Journal or somewhere, which
22 is a comment that the rate of increase of work in this
23 area by the for-profit organizations is increasing
24 rapidly. Something like that.

25 And you gave a reference -- the reference at

1 least when I looked it up did not have any facts
2 behind it. It was an insertion.

3 MR. CAPRON: Right.

4 DR. SHAPIRO: And the question I have is how
5 important is it for us to really try to get at least
6 the best estimate we can of what is actually
7 happening. I do not whether the parameter we are
8 looking for is dollars or whether it is number of
9 human subjects or number of projects or other ways you
10 might -- other metrics you might use.

11 MR. CAPRON: We got that information already.

12 DR. SHAPIRO: On NIH.

13 MR. CAPRON: No, on government versus private
14 and I thought --

15 DR. MESLIN: We had some of it in Elisa's
16 work.

17 MR. CAPRON: Yes, didn't we get some of it
18 from Elisa? I am sorry.

19 But I agree with you, Harold. Troy Brennan's
20 article is just a bald assertion with no
21 substantiation.

22 DR. MACKLIN: Well, we are -- just to -- I
23 mean, he is one of the individuals whom we are going
24 to invite to provide some testimony.

25 DR. SHAPIRO: Yes.

1 DR. MACKLIN: So if he has something behind
2 his bald assertion then he should tell us.

3 DR. SHAPIRO: All right. And if he does not
4 I think we need to get that together to the best -- to
5 the extent that we can. I mean, I know this -- we are
6 not quite sure just how the data is kept. I am sure
7 that the NIH has its data and so on, I am not worried
8 about that but whether these firms -- private firms
9 do, whether nonprofit or other nonprofit organizations
10 that are not government sponsored, whether they have
11 information, I just do not know but it seems to me
12 that we need to at least get our hands on what is
13 available.

14 DR. MACKLIN: What would be the best source
15 of that? I mean, Elisa Eiseman's project is going to
16 give us a fair amount of hard data. Can we ask her to
17 say a word about that now?

18 DR. SHAPIRO: Elisa, you can say what you are
19 going to put together.

20 DR. MACKLIN: Do you have a microphone?

21 DR. EISEMAN: Well, I was hoping to present
22 some more of this afternoon so I will try to be brief
23 this morning but the tables that are laid out kind of
24 show you what I am trying to do. Most of the
25 information that we have so far deals with federal

1 funding of research abroad and that is because that is
2 the easier numbers to get my hands on right now but we
3 do plan on getting information from the pharmaceutical
4 industry as well as private foundations and to try to
5 get a more global view of what the United States is
6 funding in these areas but not just looking at funding
7 but trying to also get more information than just
8 numbers.

9 So questions like Alex was talking about,
10 what types of research are we funding, is it all AIDS
11 research, is it malaria research, and that is the type
12 of information that I am going to present more this
13 afternoon.

14 DR. SHAPIRO: Great. Okay.

15 Okay, Alex?

16 MR. CAPRON: Ruth, I had a question if this
17 is the appropriate time to raise it. On page 6 at the
18 top a sentence appears and then you come back to this
19 with the same sort of brush of the hand, back of the
20 hand later, you say, "Care and treatment normally
21 available to the majority of the population in a
22 country has been termed 'the standard of care,' a
23 phrase adapted from an entirely different context with
24 a different meaning all together. This report
25 questions the use of that phrase as it is

1 systematically ambiguous and misleading in an ethical
2 analysis of international research."

3 Can you elaborate a little bit on what that
4 means?

5 DR. MACKLIN: Yes. Well, here again I have
6 to take the blame because this is one of my pet peeves
7 and I let my voice speak here in this and others have
8 heard this before about I am happy to say that our
9 colleague, Alice Page, when she and discussed this and
10 her background is in law and public health, agreed
11 with the -- I guess the transporting of this term from
12 the other context.

13 Now what is the other context? The other
14 context or the context -- and you can correct me if
15 this is mistaken but it is clearly somebody, whom we
16 all know, George Annas (?) has written about this, and
17 I know from the other context. The context is
18 malpractice and the showing that has to be made in
19 order to convict a physician or to claim or to show
20 and demonstrate that a physician has been guilty of
21 malpractice by pointing to the "standard of care."
22 Did the physician in his behavior that harmed the
23 patient depart from or fall below the standard of
24 care? So that is the original context.

25 I do not know when or by whom or how this

1 term has now crept into the international research
2 conversation but I can tell you the first time I heard
3 it. This is just an autobiographical remark. It was
4 about four or five years ago, four years ago roughly
5 when a research from the CDC who was designing and
6 beginning to conduct the placebo controlled AZT trials
7 came with the problem or the dilemma that he saw,
8 namely we are withholding from people or giving them a
9 placebo, "is this wrong because we know this stuff
10 works in some other way and we believe that the short-
11 course works. I mean, that is what he said.

12 MR. CAPRON: Right.

13 DR. MACKLIN: This was an informal
14 conversation.

15 And he said, "One thing that could justify
16 doing it is what is the standard of care in the
17 country and if we are not going to fall below the
18 standard of care..." which in this case is no care
19 basically for pregnant women, this was in Thailand,
20 "...then..." he said, "...maybe we can provide an
21 ethical justification."

22 Now as I say that was the first time that I
23 heard it. Since then it is in all of the arguments
24 and the literature. The question here -- I mean there
25 are two questions. One is one cannot -- can one

1 simply take a term that has meaning and application in
2 an entirely different context, namely malpractice, and
3 use it as a justification in another context without
4 further analysis or further elucidation?

5 There has been no analysis and there has been
6 no -- essentially no justification for why a term like
7 "standard of care," which has to be demonstrated in
8 some way in the courtroom in the malpractice situation
9 is now being used to describe essentially no
10 treatment, no care, no access to care in a lot of
11 developing countries. So that would be the way it
12 would be elucidated and questioned and there are other
13 -- there might be other ways of describing what is
14 relevant here in asking the question of -- and that is
15 the question, what is owed to people, to research
16 subjects in a trial.

17 MR. CAPRON: Yes, and I would prefer to see
18 us ask the latter question because I am not as
19 convinced as you are that the term is being misused
20 here. I mean if you put it in the following way: If
21 a Thai researcher were practicing medicine -- if a
22 Thai researcher or a person who did, indeed, practice
23 medicine and did not deliver the same care that a
24 person would get at Montefiore or Mt. Sinai in New
25 York, would that person be departing from the standard

1 of care? The answer, I think, would be no, not in
2 Thailand.

3 Now if that person is now engaging people in
4 research, why isn't it relevant to ask the same
5 question? And if it is relevant it is not because the
6 term "standard of care" is being misused or is being
7 used out of the right context, it is because there is
8 another question which says basically if I am coming
9 in to develop something for my people, if I am the NIH
10 or for my profit if I am a pharmaceutical company, do
11 I have some greater obligation towards the people who
12 are aiding me in this process than a local physician
13 would have if he or she were simply taking care of the
14 person according to the standard.

15 I mean, the big movement in the United States
16 and the reason "standard of care" actually was an
17 important concept was that for a long time we had a
18 locality rule, which exactly recognized that the care
19 you got in Woburn, Mass. may not be the care you got
20 in Boston, or maybe Woburn is not far enough out but
21 somewhere further to the west, and precisely because
22 people in that community did not have access to the
23 same resources and so forth. And if you wanted that
24 other care you would have to go to the medical school
25 in Boston to get it or, you know, come out of your

1 locality.

2 And then in time people say, "No, all doctors
3 in the United States are really practicing according
4 to the same standard and get educated at national
5 medical schools, have access to the same literature."

6 It is still true that if the hospital does not have a
7 particular piece of equipment and it is not wrong to
8 perform care without that equipment, you cannot say
9 the absence of the equipment was wrong but, you know,
10 the basic standard of care is going to be a national
11 one but it is not an international one.

12 We have to recognize that and the question
13 is, is the research context enough to provoke us to
14 say that is unjust but I do not think we are going to
15 get to that result by saying, well, it is somehow a
16 misapplication of the phrase "standard of care." That
17 does not seem to me -- I mean --

18 DR. MACKLIN: I guess one other --

19 MR. CAPRON: -- it strikes me as a quibble on
20 the side that does not get to the heart of the issue.

21 DR. MACKLIN: Yes. Well, maybe it is a
22 quibble. I mean, I do not like verbal quibbles but I
23 think terminology is important. I think there is an
24 inherent ambiguity in the word "standard" and again
25 this will sound to some like a quibble. A standard

1 can mean what is standard or what is normally done,
2 you know. In other words, that is standard of care.
3 Or a standard can mean we do not -- it can mean what
4 is the -- what standards do we hold people to? That
5 is as a bench mark. Now those are two very different
6 notions for asking what is normally done.

7 MR. CAPRON: But we derive the one from the
8 other is the point. Including in the malpractice
9 context that is all it was, all you had -- it was not
10 as scientific a process as you have described. You
11 simply needed a credible expert.

12 DR. MACKLIN: Expert.

13 MR. CAPRON: On each side saying the standard
14 of care is X. Well, what is your source for that?
15 Well, this is what we in the community do. You know,
16 maybe -- have you read Cecil's book. You know, open
17 to page -- what does it say to do there? I mean,
18 these are the kinds of things that establish the so-
19 called standard of care.

20 And it -- you know, it was not as though
21 someone came in being able to recite anything that had
22 much of any empirical basis. I mean, it is only now
23 with the development of practice guidelines that we,
24 in fact, have much of any empirical support for
25 anything that is done in medicine. You know, 90 some

1 percent of common medical practices have never been
2 validated in terms of any controlled study or
3 anything.

4 So I think you are over stating what the
5 origin of it was. The standard of care really was
6 standard care. What is standardly done? That is
7 where we got the so-called standard to which people
8 would be held and I think it is no different here. So
9 I really would like to see us address the ethical
10 issue and not have that quibble over whether the term
11 is slightly different in this context or not.

12 DR. SHAPIRO: Trish?

13 DR. BACKLAR: But it seems to me, Alex, as
14 though Ruth is really wanting to say that there is no
15 standard of care in certain places and wants to make
16 it very clear that when you use the words "standard of
17 care" it does not mean that there is something there.

18

19 Am I wrong?

20 DR. MACKLIN: I think that is right. The
21 question is can one refer to -- I mean, without
22 playing verbal tricks -- the absence of care as the
23 standard of care.

24 MR. CAPRON: No, the absence of particular
25 modalities, Ruth. I mean, certainly if you were to

1 say that a person with HIV in a country that does not
2 have access to antiretrovirals goes to the door of a
3 hospital and they just say, "You do not have a
4 disease, go away, you are not relevant to the health
5 care system," as I gather things are done at the level
6 of care taking but they do not involve the
7 antiretrovirals because they are not available in that
8 country.

9 Now what -- that is separate. That is an
10 empirical statement, the standard of care there. As I
11 understood it, the real origin of this was that the
12 declaration of Helsinki talks about something that is
13 much more exalted. It talks about -- what is the
14 phrase? "The best --"

15 DR. MACKLIN: "The best proven diagnostic --"

16 MR. CAPRON: -- proven diagnostic and
17 therapeutic methods." And there was the hang up
18 because that certainly had a reference. It sounded
19 like there was a global looking out for the best
20 practice. And if I came from the United States to do
21 research and the best therapeutic modality was this
22 set of antiretrovirals, how could I turn a blind eye
23 and say, well, they just do not happen to be available
24 here. Well, bring them with you, Mr. Researcher.

25 And that it seemed to me is where that

1 tension comes up but again it is not helped by -- I
2 mean, there is a standard of care. You could go -- I
3 mean, as I say, take -- put a Thai doctor on trial for
4 not giving the antiretrovirals and the Thai doctors
5 would come into trial and say the standard of care in
6 our community does not include those antiretrovirals.
7 They are not standard of care here. You are not
8 falling below good medical practice in this country
9 when you fail to do that. Acquitted. No malpractice.
10 And it seems to me that is the same common reference
11 point.

12 DR. MIIKE: I think we know what the issue is
13 so why don't we just stop quibbling about it?

14 DR. SHAPIRO: Bette?

15 MS. KRAMER: You know, maybe all we need --
16 maybe all we can do really is to provide a discussion
17 of the issue. I just -- what I focused on as I read
18 through this material and granted I do not have the
19 background that Alex has but -- and I read it quickly
20 but it is a sentence beginning in number 6 where it
21 says, "Arguments invoking the standard of care have
22 been used to justify providing no treatment to
23 subjects." And that was -- that is where I -- that
24 was where -- what I focused on as possibly the misuse
25 of the term, that it was an effort to absolve the

1 researchers from doing anything.

2 DR. SHAPIRO: Well, I think there are two
3 issues here and we will have -- we should get on to
4 another subject here. One is whether there is benefit
5 if one thinks about it carefully to replacing the term
6 "standard of care." I guess we will have to think
7 that through. Maybe there is. I do not know what the
8 answer is.

9 Then there is the issue, I think, we all
10 agree on, namely that what is owed to the human
11 subjects is a critical issue and I think we all agree
12 on that, and let's just see what happens as you think
13 this through a little more.

14 Let me ask another rather simple question, a
15 fact. You referred before to the current revisions
16 underway of CIOMS and Helsinki. And I have heard very
17 -- maybe -- I have heard some various estimates of
18 when that process will continue.

19 So Bob Levine in a meeting we had at the
20 University of Virginia gladly said, "Oh, five, eight
21 years," referring to Helsinki. And so that seemed so
22 far away that one did not have to worry about the
23 issue you raised.

24 But do you have a better since of that? He
25 was not, I do not think, making a serious remark. He

1 may have just been exasperated or something at that
2 point.

3 DR. MACKLIN: I think the -- from what I
4 understand, the time table is constantly under
5 revision.

6 DR. SHAPIRO: I see.

7 DR. MACKLIN: Bob Levine was, indeed,
8 exasperated since he is working on both -- the drafter
9 of both documents and has met with some opposition at
10 various meetings. The -- let me say something about
11 CIOMS because I have the most recent information about
12 that.

13 There is a draft of a revised CIOMS. There
14 was originally to be a meeting in December. That was
15 -- has now been postponed to March, mid-March of the
16 year 2000. And the process that is now underway is
17 Commissioning background papers that will then be
18 available at that March meeting which will include a
19 much larger group than a group that was convened by
20 CIOMS as the steering committee that was looking at
21 the original draft.

22 This is now going to be a much larger open
23 conference and background papers are being
24 Commissioned so at that meeting, which is now going to
25 take place in the middle of next year, that seems like

1 the beginning of a process since it relies on
2 Commissioning papers, having a large meeting, getting
3 some comments and feedback and then taking the next
4 step after that. So the endpoint is not in sight but
5 given the nature of the process I think it is fair to
6 predict that that will go on.

7 Helsinki, the drafts of Helsinki that had
8 been prepared by Bob Levine and discussed at numerous
9 meetings of the Ethics Committee of the World Medical
10 Association, those talks stalled or those meetings
11 stalled on the distinction between therapeutic and
12 nontherapeutic context, not on the issue that is of so
13 much concern: global justice and what is owed to
14 research subjects, and what is owed to them
15 afterwards, but on the best proven diagnostic and
16 therapeutic method and some other revisions that are
17 troubling to very many people.

18 But on this distinction, which may look like
19 it is not a very important distinction to some people
20 and I think Bob Levine has argued fairly persuasively
21 that it is time to abandon that distinction and there
22 are some inherent contradictions.

23 But if the individuals who have the authority
24 within the World Medical Association to say -- have
25 the authority to say, "I am sorry, we are not going to

1 accept this. We want to retain the distinction."

2 They are stalled on that issue.

3 The most recent development that I have heard
4 about from several individuals, although there is not
5 an official report, was a meeting co-convened in
6 London on September 3rd and 4th by the British Medical
7 Journal, and the Ethics Working Group of the Royal
8 Society. There were several coordinating European
9 groups. Groups from the U.K. and from Europe. And
10 the discussion -- I mean, that was a discussion that
11 was essentially focused on the proposed revisions, on
12 the draft revisions of the Declaration of Helsinki.

13 At that meeting, among other comments, was an
14 urging on the part of some people that the World
15 Medical Association, which is a consortium of national
16 medical associations, no longer owns the Declaration
17 of Helsinki and that the process -- this was several
18 people that have said this -- the process of its
19 revision or its -- well, I guess revision -- should go
20 beyond not only a small group of individuals but
21 should actually go beyond the organization that has
22 been the primary or sole organization.

23 Now that would, if adopted, take this even
24 farther since it would not be under the purview of the
25 World Medical Association, which might be able to

1 convene its ethics committee and then have votes at
2 its national assembly but then would require an
3 entirely new step. Who then owns it if not the World
4 Medical Association any longer?

5 So perhaps Bob Levine's exasperated comment
6 of five to eight years might actually have some
7 validity given what has transpired really quite
8 recently as a matter of only two weeks ago.

9 DR. SHAPIRO: Larry?

10 DR. MIIKE: You made a comment earlier and
11 you said that depending on when these things come out
12 our report might be obsolete in a year. I do not
13 understand those kinds of comments at all because
14 these are not one trumping the other. These are
15 parallel voices and they all stand alone. If your
16 earlier comment holds true then our report on stem
17 cells is useless because the AAAS came out before we
18 did and the NIH came out before we did. So I think
19 that as long as we put out a decent report that it
20 will stand alone regardless of what these other groups
21 do.

22 DR. MACKLIN: Yes, I agree. I perhaps did
23 not specify what I meant. That is, I only meant if we
24 are going to reference what is stated in other -- as a
25 mere reference, not necessarily to agree or disagree

1 or adjudicate but if we are to say, "by way of
2 comparison here are the various international
3 documents, other national guidelines and so on, and
4 here is what they say" we will just be wrong about
5 what they say if it changes drastically. So it was
6 really a point of reference of citing a document that
7 is current that could at some point change.

8 MR. CAPRON: Another way of looking at that,
9 Larry, is on page 9. The paragraph begins, "The NBAC
10 report will have to say here at some point whether it
11 recommends adding some such statements to the U.S.
12 regulations or whether it is acceptable simply to
13 continue to omit them." And then you go on and say
14 you would have to give a justification for the
15 omission because the international guidelines cover a
16 certain point.

17 But certainly one response, not one I am
18 necessarily recommending, but one response would be to
19 say some of these international concerns will have a -
20 - will not actually be implementable domestically.
21 That is to say, if we came up with some sense that the
22 world-at-large thought that when developed countries
23 went to under developed countries then there was some
24 obligation for those who sponsor the research to have
25 some ongoing role in the provision of the research

1 product to the country or something. You might say,
2 well, that is internationally.

3 But when Merck develops a drug in the United
4 States for Americans it does not then become obligated
5 to make sure every American has free access to the
6 drug and so we will leave that out of the U.S.
7 regulations and we will have a provision, however, in
8 the U.S. regulations that researchers doing research
9 internationally are expected to comply with applicable
10 international guidelines.

11 Now doing that would say, well, when they get
12 out there they will face whatever those guidelines are
13 and so if they change out of an international
14 consensus that some requirement is important, so be
15 it. And we do not have to incorporate that in the
16 U.S. guidelines. So that would be one way in which we
17 take account of it. We recognize that the standards
18 are themselves going through a change internationally
19 but we do not have to know exactly the point that they
20 are added when we finish our report.

21 And it may be that is a way of dealing with
22 perhaps the most difficult issue, which is this
23 expansion beyond equitable selection to the whole
24 question of what does justice mean to the population
25 that has been studied.

1 DR. SHAPIRO: You have a comment in the
2 outline, I do not remember exactly where it is,
3 related to this issue of justice. It was -- I could
4 not make up my mind whether this was just an after
5 thought or you really had something in mind which I
6 could not quite grasp and that is compensatory
7 justice. You said that that might be something like -
8 - you made a comment it might be applicable or it
9 might be interesting, and so on. And I just want to
10 know whether you would like to say a word or two more
11 about that. I mean, it is a very tough issue like all
12 these issues, but I could not get a sense of what you
13 really had in mind here.

14 DR. MACKLIN: Perceptively you could not get
15 a sense because I am ambivalent. I discussed this --

16 DR. SHAPIRO: I am quite satisfied with that
17 actually.

18 DR. MACKLIN: On the one hand -- I mean,
19 compensatory justice would work something like this:
20 There have been past wrongs of various sorts, past
21 omissions, indeed exploitation of perhaps more years
22 ago than recently, and the question whether some
23 compensation is owed to countries or developing
24 countries, however we put it, for past wrongs is a
25 question at least to raise.

1 Now taking it further than raising the
2 question puts us into a very difficult and different
3 debate. I mean, it really in a way revisits an
4 affirmative action type of analysis. So I did not
5 want to omit mention of it but I have no firm view
6 about whether it is well beyond what we could
7 reasonably include in this report or whether it -- at
8 least the report requires some mention of this because
9 it is another and a different notion of justice, one
10 that is applied in other contexts in other
11 connections.

12 Possibly the best single example in the
13 research context is the payment to the survivor or few
14 survivors or families of the survivors of the
15 Tuskegee. I mean that was a move of compensatory
16 justice in a very direct way and it was money. It is
17 also a question that the Radiation Committee faced and
18 addressed and could not agree on. I mean, there were
19 some on the committee who thought there ought to be
20 some form of compensation that went well beyond an
21 apology to people who had been wronged or even if not
22 harmed by the radiation experiment.

23 So it was against that context of other -- in
24 other research areas that I raise the question but
25 perceptively, Harold, you did detect a little

1 ambivalence on my part.

2 DR. SHAPIRO: Thank you.

3 Okay, Alex?

4 MR. CAPRON: I am sorry to have so many
5 questions but it does seem to me that -- I -- one of
6 the most interesting issues here is the whole
7 risk/benefit calculus and I wanted you to respond to a
8 hypothetical that I think is relevant to your chapter
9 3.

10 Suppose that a researcher in a poor country
11 were to want to do research, perhaps even research of
12 the type that Troy Brennan highlights in his critical
13 thing about the Helsinki Declaration, which is in the
14 materials here, his New England Journal piece, and
15 that was not being presented to the Harvard School of
16 Public Health to its IRB but simply to the X, Y, Z
17 country local medical school IRB where the absence of
18 care was something -- whether it is a standard -- I do
19 not want to get into that standard argument -- the
20 absence of care in the sense of a medical
21 pharmaceutical intervention was, indeed, the standard
22 at the time or was what was happening at the time.

23 Is that different than the same research
24 being proposed by Dr. B instead who comes from the
25 Harvard School of Public Health and wants to come in

1 and do the research?

2 Is the risk/benefit ratio affected, in other
3 words, by who is doing the study or only where it is
4 done, do you think?

5 DR. MACKLIN: Well, certainly I would not
6 argue -- I do not know if someone might -- but I would
7 not argue that it is who is doing the research because
8 it is a separate and separable question.

9 MR. CAPRON: With what sponsorship I mean as
10 well. In other words, not just was he hired -- were
11 they both to be hired by the same company to do --

12 DR. MACKLIN: You mean the local -- the host
13 country researcher is doing things --

14 MR. CAPRON: It is not a host country
15 anymore. He is simply a researcher.

16 DR. MACKLIN: Yes, right. Within the
17 country.

18 MR. CAPRON: Within the country.

19 DR. MACKLIN: Yes.

20 MR. CAPRON: Versus becoming part of an
21 international collaborative trial.

22 DR. MACKLIN: Well, I think we probably need
23 to be clearer and it will become clearer especially
24 when we have our -- the meeting here that will draw on
25 the experts in the risk/benefit. What we intended in

1 talking about risk/benefit was essentially the
2 research design and the anticipated or predicted harms
3 that might befall the subjects and the benefits
4 including benefits to -- in the way it is usually
5 understood not only as to the subjects, the
6 participants in the trial, but also others after the
7 trial, including whether those benefits would be made
8 available in the host country.

9 So it is a risk/benefit analysis that looks
10 at the research design and the consequences of
11 completing the research. I think your question asks
12 about -- or brings in other factors extraneous to the
13 design but possibly relevant in asking questions about
14 what may be done within a country that might not be
15 done --

16 MR. CAPRON: I did not mean them to be
17 extraneous to the design. What I meant was if you
18 have one of these trials which proposes to study, in
19 effect, the natural course of the illness with no
20 intervention versus some intervention and the no
21 intervention becomes the placebo as it were because --
22 I mean, you might give literally the sugar pill but
23 you are not intervening therapeutically as far as you
24 know with this. And you say, well, clearly in the
25 developed country because there are therapies your new

1 therapy cannot be compared to nothing. This is too
2 dire a disease just to watch it go on.

3 But in the under developed country that is
4 what happens to people and the objection that Troy and
5 others had (and the whole attack on the AZT -- the
6 maternal transmission study) was that it was wrong for
7 people from the developed world to be going in and
8 pretending as though there was no treatment when they
9 had a treatment which they could have brought with
10 them.

11 And I am asking whether, in terms of
12 risk/benefit, whether it is different if the study
13 were done domestically and where the -- it is not just
14 the design of the study in a narrow sense but, you
15 know, let's say the Health Ministry was involved and
16 said, "For our country we are not even going to be
17 studying that fancy regime that is available in the
18 United States because we know our health budget could
19 never afford that regime so we are willing to take
20 greater risks in terms of the type of treatment that
21 will even test out than you would be willing to do in
22 the United States because we would get more benefit
23 even from that maybe not as fully successful but much
24 cheaper treatment."

25 Is it a different issue than if there is an

1 international -- what I am asking is, does the
2 international collaboration color what is ethical
3 within that country? Because I recall -- is it the
4 fellow who was at the AIDS meeting in Washington, the
5 Health Minister from -- is it St. Kitts and so forth
6 or Barbados?

7 DR. MACKLIN: Trinidad and Tobago.

8 MR. CAPRON: Trinidad and Tobago.

9 DR. MACKLIN: He is not the health minister.
10 He is a researcher there.

11 MR. CAPRON: A researcher there.

12 DR. MACKLIN: Yes.

13 MR. CAPRON: All right. Sorry.

14 But he was very firm on a view of do not
15 impose your standards as to what is appropriate care
16 and he had carried over into the population's behavior
17 and whether they would comply with a more complicated
18 regime. A lot of questions.

19 But I do not think -- I do not want to begin
20 by assuming that I can dismiss those as just self-
21 interested -- a view from someone who wants to carry
22 on research in that country. I have to say, well,
23 there is a different risk/benefit ratio in a country
24 that is very poor in terms of the risks they are
25 willing to take to get a benefit that would not be

1 seen as that beneficial in our country.

2 DR. MACKLIN: Well, but in the -- whether or
3 not it is -- I mean, it is a hard question to answer
4 because there are many points to address. I do not
5 see that on an analysis of the risks and benefits that
6 it makes a difference who is conducting it or
7 authorizing it. There is a different question raised
8 by the comparison of these two and that is whether or
9 not there are different obligations in an
10 international trial where people can afford to provide
11 something in the trial versus what the obligations are
12 as decided by a Ministry of Health.

13 I mean this becomes a question of what
14 outside agencies, organizations or individuals can
15 impose on decision making within a country. I mean
16 that is a critical question. Surely if the research
17 is being done by the Ministry of Health with its own
18 resources there is no international body or group or
19 guideline that could affect that but the risk/benefit
20 ratio of the study design would be the same regardless
21 of who it is that is sponsoring it or has the economic
22 means. The difference is the economic means.

23 MR. CAPRON: You do not think it is
24 risk/benefit then?

25 DR. MACKLIN: I do not think so.

1 MR. CAPRON: Okay.

2 DR. SHAPIRO: Bernie, and then I have a
3 comment.

4 DR. LO: It is always hard to keep from
5 jumping into substantive issue when what I think we
6 are really supposed to be doing is talking about the -
7 - sort of the outline and the structure and the plan.

8
9 I think that one of the problems with these
10 debates is depending on how you frame the issue you
11 come out with a different answer and, you know, there
12 has not been a lot of attention given to the
13 pertinence of the research question or I could also
14 frame an analysis that research is unethical unless it
15 poses a question that is of pressing importance and is
16 going to have significance and affect the health of
17 people in decisions about medical care.

18 If you are asking a question, which is
19 irrelevant to what is going to happen to health care
20 in the country in which the subjects reside, you could
21 argue that there are ethical concerns about doing a
22 study that will have no pertinence to future health
23 care.

24 So I think just to focus -- the problem with
25 all this is you have to look at lots of different

1 issues and if we are only focused on justice or only
2 focused on risk/benefit it looks different than if you
3 look at other things and it is going to be hard, it
4 seems to me, as we do our analysis to sort of present
5 the coherent picture of the whole study as opposed to
6 just different sort of takes on it.

7 DR. MACKLIN: A very quick point about that.

8 I just want to call your attention to this and then
9 maybe at some other point you can comment that some of
10 the same -- in the outline some of the same -- I do
11 not know whether to call them issues but the same
12 themes or topics are addressed in chapter 3 on
13 risk/benefit and in chapter 4 on what is owed to
14 subjects. This follows directly from Bernie's -- from
15 your observation.

16 And in chapter 3 they are raised with a focus
17 of risk/benefit analysis. In chapter 4 some of the
18 same items are raised by focusing on justice. I mean,
19 I am just -- it was just an observation that if you
20 can enlighten us on how best to do it, that is we are
21 not talking about the whole trial but that is why
22 chapter -- we have chapter 3 flowing into chapter 4
23 that is revisiting the risk/benefit questions where
24 the aim in chapter 3 is to focus on how to make that
25 analysis and what is the appropriate way to make the

1 risk/benefit analysis whereas chapter 4 takes some of
2 those same questions and frames them in terms of
3 justice so any guidance you can give us on how to do
4 that.

5 DR. LO: Again, sort of trying to think in
6 terms of outlines that in a sense are preconceptions
7 that we assume hold for a trial before we begin the
8 analysis of respect for persons and beneficence and
9 justice and they are traditionally stated as the
10 scientific merit and validity of the study and we
11 often view that, as you know, qualifications of
12 investigators and rigor of the design.

13 Part of that is that the research question is
14 ripe for that kind of study. It is a meaningful
15 question. It is a significant question. We are not
16 wasting, you know, people's time in a trivial study
17 that has no impact and it seems to me it is the level
18 of the posing of the research question that a lot of
19 these issues can also be examined where I do not think
20 they have really necessarily been examined up to now.

21 DR. SHAPIRO: You know, one of the -- we are
22 going to have to break now in a few seconds because I
23 do not want to keep our guests waiting longer than
24 scheduled but an issue just as I review this outline
25 and I look at the literature that surrounds this whole

1 topic, the issue -- addressing the risk/benefit issue
2 now.

3 A lot would be clarified in my own mind if it
4 was always clear when someone was raising risk/benefit
5 whether they are raising that as if they were
6 considering the people involved in the trial and
7 asking what the risk/benefit ratio is for them vis-a-
8 vis asking what the risk/benefit ratio is for some
9 larger group of concern, the country, the world,
10 somebody else.

11 And it is my observation that it is often
12 extremely unclear as I read various articles. I am
13 just never sure which risk/benefit ratio they are
14 talking about and -- not always, I am often not sure
15 and that makes a very big difference to, for example,
16 asking -- answering the question that was just raised
17 by Alex and Bernie and others.

18 So I hope as we get through this that we try
19 to bring as much clarity to our own analysis. We
20 cannot change other people's analysis on that issue.

21 Well, let me suggest --

22 MR. CAPRON: Could I ask --

23 DR. SHAPIRO: Yes.

24 MR. CAPRON: -- one more thing. It is a
25 procedural point. You describe your plan with the

1 order of the chapters that will be addressed at the
2 next meetings, chapter 3, 4, 2, 5, 6. I want to
3 suggest to you that our experience with prior reports
4 indicates that it would be a major impediment to
5 having this report done when you predict if we only
6 get to chapter 6 on recommendations at the end of four
7 prior meetings which have looked substantively.
8 Neither we nor you are tabula rasa on this. Clearly
9 you have already indicated some conclusions you have,
10 a few of which I hope you will modify or just --

11 (Laughter.)

12 DR. MACKLIN: Do you want to know what those
13 are?

14 MR. CAPRON: Hit the delete button on
15 standard of care. But anyway --

16 (Laughter.)

17 MR. CAPRON: -- but it would be helpful, I
18 think, for us to begin well before that fifth meeting
19 on this topic to see where the recommendations might
20 be headed, topics, you know, get some guidance for us
21 early on and then begin to give us some language
22 because we need time to chew it through and obviously
23 we will continue to rework those and it is not as
24 though the things -- the sessions on the other topics
25 that come after we see a recommendation are proforma.

1 DR. SHAPIRO: Well, colleagues, if we could
2 assemble. I would like to get the meeting underway.

3 Ready, Trish?

4 We are very fortunate this morning to have
5 two people to address us who have long and extremely
6 distinguished histories in this area and that is Dr.
7 Burke and Dr. Killen have both been here this morning
8 listening to our discussion and as Dr. Burke said just
9 a moment ago to me he was just bursting to get into
10 this discussion and restrained himself most of the
11 morning.

12 (Laughter.)

13 DR. SHAPIRO: So now is his chance.

14 I really welcome you here and thank you very
15 much for taking the time to be with us today.

16 Dr. Burke, you have got about a half an hour
17 and also for Dr. Killen about a similar amount.

18 I understand you are both going to be using
19 either slides or overheads.

20 DR. BURKE: That is correct.

21 DR. SHAPIRO: Okay.

22 So those of us sitting at this end either can
23 -- depending on how you feel you can either turn
24 around or sit elsewhere. I am going to sit at the
25 other end.

1 Thank you very much and welcome.
2 DONALD S. BURKE, M.D., JOHNS HOPKINS SCHOOL
3 OF HYGIENE AND PUBLIC HEALTH
4 "EXPLICIT RISK-SHARING" AS A FRAMEWORK FOR ANALYSIS
5 OF INTERNATIONAL HEALTH RESEARCH ETHICS

6 DR. BURKE: Thank you very much.

7 (Slide.)

8 I do not pretend to be an expert in
9 bioethics. I am an infectious disease physician and
10 have worked in international health for my entire
11 career, most of which has been involved in vaccine
12 development in the international arena. I spent 23
13 years in the U.S. Army working for the Army Medical
14 Research and Development --

15 (Fire alarm test.)

16 DR. BURKE: I have spent the last two years
17 at Johns Hopkins University.

18 MR. CAPRON: Say the magic word.

19 DR. BURKE: "Bioethics."

20 (Laughter.)

21 DR. BURKE: I lived for six years in
22 Thailand. I know Thailand quite well. It is sort of
23 a second home to me. Two years ago during the
24 controversy about the AZT in Thailand my daughter was
25 doing her master's degrees in Cheng Mai and so I had

1 firsthand opportunity to discuss the problem with her
2 because she knew many of the participants in those
3 trials.

4 I am going today to speak about explicit
5 risk-sharing as a framework for analysis of
6 international health research ethics. I wear two hats
7 here.

8 One in my position from Johns Hopkins where I
9 have been involved in some teaching and Ruth and I had
10 an opportunity this summer to co-teach in a course on
11 research ethics that Nancy Kass was running and so we
12 had a chance to talk about these issues and it was a
13 wonderful opportunity for me.

14 I also work for the International AIDS
15 Vaccine Initiative, a group that has tried to promote
16 international AIDS research on vaccines, as a senior
17 science advisor and I have been with that organization
18 since its founding a couple of years ago.

19 (Slide.)

20 What I am going to do today is try to present
21 to you some -- what I think are some relatively simple
22 models for looking at north-south interactions in
23 international health research. I will present six
24 models of the way I think that people have looked at
25 this kind of research and I will call them, as shown

1 there, the south only problem, the south passive, the
2 south exploited, the south piracy, the north-south
3 limited partnership and the north-south full
4 partnership.

5 I will point out to you that not only are
6 there risks that are taken by the individual
7 participants in the trial but there are risks taken by
8 everybody who participates in such a trial and that
9 there are benefits that accrue. As Dr. Shapiro
10 pointed out I think we need to be clear exactly about
11 what risks and what benefits we are talking about if
12 we are going to make sense out of distributive justice
13 and any risk/benefit ratios.

14 And that I think that this body rather than
15 saying that these are too difficult to deal with
16 really should embrace this area and say that there are
17 ethical issues in all of these interactions that need
18 specific attention and specific guidelines. I would
19 find them helpful.

20 (Slide.)

21 The first model is the -- what I call the
22 "south only" problem and I have chosen, as Dr. Lo
23 pointed out, malaria as an example. Now malaria is
24 not a serious problem in the United States at all and
25 although there is basic research that is done, largely

1 supported by the National Institutes of Health and
2 some to the Department of Defense, the U.S. industry
3 is simply not involved in malaria.

4 There is no intention to make products on the
5 part of U.S. industry. There is no investment in
6 malarial drugs and no investment in malaria vaccines.

7 So what happens is although basic research occurs,
8 very little movement has occurred in this field. You
9 can argue about whose responsibility it is to set the
10 scientific agenda that includes malaria but these are
11 the facts.

12 (Fire alarm test.)

13 DR. BURKE: Apparently the magic word is
14 "facts" and I will avoid it in the future.

15 (Laughter.)

16 (Slide.)

17 The second model is the "south passive" model
18 and, in fact, I think this is the most -- one of the
19 most common, that is that there is a health problem
20 that is common to both the north and the south and
21 examples would be hemophilus influenza, pneumococcus,
22 rhode (?) virus, a lot of things that vaccines have
23 been developed for.

24 (Fire alarm test.)

25 DR. BURKE: And basic research has been done.

1 Human trials, for the most part, done in the north.
2 The technology has been produced, in this case
3 vaccines against these diseases. The technology has
4 been deployed in the north with good effect
5 essentially eliminating some of these diseases but
6 there is an additional 10 to 15 to 20 year time period
7 before there is a trickle down and the technology is
8 deployed in the south.

9 (Slide.)

10 The third model is what I will refer to as
11 the "south exploited" model and in this case although
12 the health problem is common to north and south and
13 basic research is invested in the north, human trials,
14 because they are simpler, are done in the south and
15 the benefits of that go to technology production and
16 technology deployment in the north and then again we
17 still have a 15 to 20. In this case an example would
18 be the hepatitis B trials where they were done where
19 there was not an immediate benefit. There was
20 subsequently a benefit in that hepatitis B has been
21 deployed in many countries in the developing world but
22 it has taken that 10 or 15 years for that to occur.

23 (Slide.)

24 The fourth model is the one where the south
25 now -- the countries -- developing countries are

1 trying to find ways to solve the problems for
2 themselves if there is not particular interest in
3 producing the technology for the developing countries.

4 Some of the developing countries, India, China and
5 others are in the health arena beginning to --
6 depending on your point of view -- pirate the
7 technology.

8 The southern countries, of course, feel quite
9 legitimately that with the WHO regulations that this
10 is a compulsory licensing that they can invoke in
11 their own countries like on the AZT in South Africa
12 but depending on your point of view, if you are the
13 United States Department of Commerce, you feel
14 otherwise. In the vaccine arena I do not know any
15 good examples of this but the AZT production in South
16 Africa is probably the simplest example that most
17 people are familiar with.

18 (Slide.)

19 None of those are very good examples of the
20 way things should be. All of those are examples of
21 the way things should not be. So what we have been
22 struggling with is how can we set up interactions so
23 that we have partnerships between the north and the
24 south where we solve our common problems. I speak
25 here from the point of view of the International AIDS

1 Vaccine Initiative.

2 We have consciously thought about this, about
3 how can we solve a problem where AIDS is a serious
4 problem, both in the United States and the developing
5 countries, and we have consciously set about to
6 develop partnerships between the north and the south.

7 The question is, what can each party bring to the
8 solution of the problems? So what we have agreed is
9 that we have tried to develop vaccines that are
10 tailored to the countries in the south.

11 For instance, a C-clade HIV vaccine because
12 that is the virus type that is prevalent in South
13 Africa. We are investing to make a vaccine that is
14 most closely structured so that it can work in South
15 Africa and we expect the South Africans, in return, to
16 participate in this in the human trials. The deal is
17 that if we do have a technology that is produced, that
18 we will get it deployed in the south as quickly as we
19 can, and we have promised to our South African
20 colleagues that we will do that.

21 Maybe a better example would be the case of
22 the Vax-Gen trial in Thailand of a gp120 AIDS vaccine
23 where the basic research was done. There are now
24 ongoing Phase III trials of that in Thailand and there
25 is literally a written agreement between the company

1 and the Ministry of Health in Thailand that there will
2 be every effort made to produce the vaccine so that it
3 can be deployed in Thailand.

4 This is -- you might argue that this looks an
5 awful lot like the exploited model and, in fact, one
6 of the Thai investigators at the meeting in Geneva was
7 asked whether or not he -- whether or not he felt
8 Thailand was being exploited by Vax-Gen in this
9 process and his answer was that no, in fact, he
10 thought that Vax-Gen was being exploited by Thailand.

11 The reason was it was a high risk venture for the
12 company and for them to go into the trial there was
13 much at stake as well with a low probability of
14 success.

15 (Slide.)

16 The last model now is what I will refer to as
17 the "north-south full partnership" and here it is do
18 the basic research, do trials both in the north and
19 south, wherever the disease is most prevalent and the
20 answers can be obtained the fastest, and then to
21 produce the technology not only in the north but in
22 the south. There are several discussions with India
23 about the possibility if any vaccines are effective,
24 whether or not they can be produced off shore at
25 cheaper cost. And then the idea would be that these

1 technologies could be deployed north or south.

2 So there are, I think, six models here. What
3 I am trying to impress on you is that for most of the
4 diseases that are common in the developing countries
5 if they are common to both north and south there is a
6 10 to 20 year time frame before they get deployed to
7 the south and if they are not present in the north
8 then they do not get -- then it does not happen at
9 all. So, the notion that there is exploitation of
10 people on these diseases is, I think, a bit misguided.

11 (Slide.)

12 So how do we get to foster these
13 international health research and development
14 partnerships? I think that our common goal is that we
15 want the technologies to be deployed in the south and
16 the problem we face with this is how do we construct
17 these product development teams, these partnerships
18 that are going to promote the technologies?

19 Well, we have found it useful to try to
20 identify the risks for all of the parties that we want
21 to bring to the table and then to have them all
22 negotiate the benefits as they seem them for
23 themselves and for the others and you would be
24 surprised how infrequently this happens where there is
25 an understanding of all the parties to the agreement

1 about what are the perceived risks and benefits to the
2 other parties to the agreement.

3 (Slide.)

4 So who are these parties that when you put
5 together a research consortia in developing countries?

6 I have been engaged in this -- in several of these
7 for vaccines. We did this for Japanese encephalitis.

8 My colleagues did this for hepatitis A for trials in
9 Thailand and we have been doing it for AIDS vaccines
10 now and we run into the same general sets of
11 perceptions of risks.

12 The research partners in the north,
13 particularly industry partners, are obviously
14 concerned about financial losses and liability. For
15 many of these diseases, tuberculosis, malaria, HIV,
16 they are not guaranteed money makers at all. In fact,
17 there is a high probability there will be a loss for
18 many of the diseases.

19 There is some concern about liability.
20 Industry also has opportunity costs, meaning that
21 things that are in the pipeline might get backed up
22 because of the production of the lower priority
23 products. And there is concern by industry that there
24 will be political pressure for them to make these
25 available freely in the future because of the

1 perceived need and the perception of justice.

2 The scientists in both the north and the
3 south put their professional prestige on the line.
4 Nobody wants to back a loser. Don Francis is a
5 scientist who has committed to making a company, Vax-
6 Gen, to test the concept and most people think he is
7 foolish. I happen to disagree. I think that this --
8 I think he is courageous on this issue because he is
9 testing a concept but he has put his professional
10 prestige on the line and no one else would do it. So
11 there is a risk there.

12 There are also the politicians that are
13 involved in the developing countries. Invariably the
14 political opposition accuses the persons who agree to
15 participate in studies with lackey-ism. I have seen
16 it in virtually every country so far as it quickly
17 becomes a political issue. The politicians have to
18 risk their future loss of trust in case things go
19 wrong. It is not a simple matter for politicians to
20 agree to do trials in their country.

21 And then lastly we will get to the individual
22 research subjects who do have their personal health
23 and potentially their social involvements at risk as
24 well.

25 But the point here is that when we talk about

1 the risk/benefits there are many parties to these that
2 need to be put together and from the point of view of
3 someone who has tried very hard to put together
4 research consortia, to ignore the risks that are taken
5 by these parties and to ignore the risk/benefit ratio
6 that all of these have to face I think is focusing on
7 only one very narrow part of the overall equation.

8 (Slide.)

9 To highlight some of the risks that are
10 involved -- this is the cartoon that appeared in one
11 of the Thai-English dailies the very day after I had
12 my very first discussions on the possibility of AIDS
13 vaccines with the Thai Ministry of Health. It is in
14 1991. This was well before any trials actually
15 occurred and I was as discrete as I could possibly be.

16 I did not talk to anybody other than the Ministry
17 officials and I am sure that this was motivated by the
18 political opposition.

19 (Slide.)

20 In the same newspaper about three years later
21 there was another cartoon. This time showing the AIDS
22 having knocked out mankind with the medical researcher
23 there counting out the years, 1980, '81, et cetera,
24 '93, '94, implying that medical research was
25 indifferent to the needs of Thailand and that they

1 were not taking action. So over the course of a
2 three-year time span -- and I think this reflected the
3 national opinions as well -- first the worries about
4 exploitation, and then the worries that there was not
5 sufficient action, and finally the accusations of
6 indifference.

7 (Slide.)

8 So I apologize for this being a fairly
9 simplistic and quick overview but I thought it would
10 be useful to put it in what I thought were fairly
11 stark terms for the committee. So the summary here is
12 that all the partners have to take risks. They are
13 not trivial risks for any of the parties, not only the
14 participants, the medical participants, but you would
15 be surprised how much courage it takes on the part of
16 all of these parties, not only the scientists but also
17 the companies, the politicians as well as the
18 participants in the trial. And I find it very helpful
19 if all of the parties who are trying to work together
20 towards a common objective understand the risks taken
21 by others.

22 (Slide.)

23 So I will summarize here that this explicit
24 risk-sharing approach as a framework for analysis has
25 some conclusions that the old "south exploited" model

1 I think is outmoded frankly when you have these
2 pressing health concerns like HIV or malaria or TB in
3 the developing country. We have people in those
4 countries asking us, they want us to participate with
5 them, and we want to be able to do something about it.

6 The notion that this is exploitative is, I find, a
7 little difficult and I think that perhaps we need to
8 broaden the definition of what is the role for
9 ethicists in looking at some of these problems.

10 I think we need to foster these north-south
11 partnerships as a means to solving international
12 health problems. The notion that the only way at
13 times that we can justify international research are
14 when we cannot do it at home I do not think is a good
15 model. I think that we should be -- that this is a
16 positive thing, that when we do reach out to
17 cooperative international health research, as long as
18 it is understood that the benefits need to accrue to
19 all parties that are involved but to start with the
20 premise that it is somehow tainted if it is -- if it
21 could be done at home rather than done abroad I think
22 is probably just starting at the wrong place and you
23 may want to relook at that as your framework.

24 The third item there, the risks taken by the
25 partners in international health, they should be

1 explicitly defined. I find, as Dr. Shapiro pointed
2 out, I find that in many of the arguments that this is
3 not very well done and I think that we could sharpen
4 our conclusions if we sharpened our definitions.

5 And then lastly that the -- I ask you, and
6 forgive me if I am a bit presumptuous here but I
7 wrestle with this on a daily level -- that I would ask
8 you to help me do this and the way to help me do this
9 is to say, can we devise guidelines that are not
10 strictly focused on the medical participants
11 themselves but guidelines that are a little broader,
12 that do encompass all of these parties because these
13 are difficult issues and I would ask you not to, as
14 was suggested, limited your scope but I think that in
15 the -- that you can do considerably greater good if
16 you help us follow some guidelines because, frankly,
17 we do not have them now and we need them.

18 (Slide.)

19 I have got some simple reading materials
20 here. The Economist had a wonderful issue just a
21 couple of weeks ago that had several articles on this.
22 There was a nice article in the British Medical
23 Journal that came out after I had prepared these
24 slides on north-south research partnerships. And I
25 recommend a book on the whole politics of the politics

1 of International Health: The Children's Vaccine
2 Development. And then the organization that I work
3 with, the International AIDS Vaccine Initiative, our
4 web site is shown there and I recommend it to you
5 because there are a number of good links there as
6 well.

7 Thank you very much for your attention.

8 DR. SHAPIRO: Thank you very much. That is
9 very helpful. We have a few minutes for any comments
10 and/or questions.

11 Let me just ask one or two myself. First of
12 all, I mean it is appropriate to point out that there
13 are risks taken by lots of people but somehow I feel -
14 - my reaction to that was that industry sort of knows
15 all about this. That is what they do every day. They
16 do not need our help in thinking about their risks.
17 And pretty much the same thing is true of scientists,
18 they know what risks they take. And probably true of
19 politicians, although I am less able to say in that
20 area.

21 But that leaves research subjects and it
22 seems to me that there is some asymmetry here. These
23 are not all of the same standing or all of the same
24 nature.

25 DR. BURKE: True.

1 DR. SHAPIRO: Could you say something about
2 that or how you think about that?

3 DR. BURKE: Yes. I think that definitely is
4 true, that there still is in terms of power
5 relationships an understanding that certainly the
6 participants in the trial are at a disadvantage and
7 they do need to have some greater assurances and
8 greater protections but I do not think that needs to
9 be exclusive and my point here is just to point out
10 that many people assume that the companies are out
11 there waiting to do the trials in the developing
12 countries. In fact, they are not because in their own
13 risk/benefit analysis they are not interested.

14 So our job is to help change their own risk-
15 benefit equations and that I have been surprised
16 regularly when I have conversations with people who
17 are generally fairly knowledgeable who assume that
18 there are companies out there who want to make AIDS
19 vaccines and are going to exploit the countries in the
20 process of making those AIDS vaccines. Nothing could
21 be further than the truth. They are not particularly
22 interested and they are not about to exploit and we
23 need to engage them simply because their own
24 risk/benefit equations are different so we need to
25 recognize that. I want explicit recognition not on

1 our part and not on the part of the companies.

2 DR. SHAPIRO: The partnerships you have
3 talked about all have the kind of health problems
4 shared. It is sort of that first square, it is right
5 on the line there, meaning that a problem both exists
6 in the north and the south. But it may be quite rare
7 when -- even though the problem exists both in north
8 and south. Its order of magnitude of its important is
9 the same.

10 How do you think about these partnerships
11 when the order of magnitude of a problem, although
12 shared, is just very, very different in the south and
13 the north?

14 DR. BURKE: I may -- I will have to think
15 about that but my initial reaction is that that does
16 not change my opinion very much. My opinion would be
17 that if the problem can -- if it is a serious health
18 problem anywhere that just because it is international
19 should not present an obstacle to getting the problem
20 solved. I do not see that as an inherent barrier.

21 I do not see that, you know, my living in
22 Washington and working in Nebraska is any different
23 than living in Washington and working in Thailand.
24 That if we have the same problems present in both
25 places and if they are done in an ethical way then I

1 want to get the problem solved by the means that I can
2 do that and make sure the benefits are available to
3 both parties.

4 DR. SHAPIRO: If you just take one of your
5 categories, let's say politician risk, this surely
6 must be impacted by the nature -- the size of the
7 problem they are trying to help deal with. The
8 problem in Nebraska is very small and very large in
9 New York. The risk of the problem is entirely
10 different.

11 DR. BURKE: Yes. It certainly would factor
12 into the risk/benefit equation for all parties that
13 are involved is if -- even the individual participant
14 if it is a greater risk in their community is much
15 more likely to become engaged in it.

16 But from my point of view should I think
17 about this in a different way just because it is
18 international? I do not think that that really is the
19 issue.

20 DR. SHAPIRO: Alex?

21 MR. CAPRON: I want to thank Dr. Burke very
22 much.

23 It seemed to me that with the kinds of
24 tweaking that you were just doing, Harold, about where
25 on that dotted line the problem falls that the basic

1 setting out of these six models you have I think
2 really does help thinking and I have no idea whether
3 you have published this elsewhere or whether that
4 article -- I mean, the other people that you --

5 DR. BURKE: No.

6 MR. CAPRON: -- but I hope that with your
7 permission to the extent that Ruth finds it helpful in
8 the process, I really think it -- something like this
9 makes it accessible to people. The model, the "south
10 exploited," which is sort of what -- the purpose of
11 these other five is to show in relation to that
12 stereotype.

13 The other comment is to follow on this
14 question of the risk/benefit ratio because I think I
15 agree with our chairman that it is, of course,
16 relevant for many of the considerations as to whether
17 or not the research will go ahead where different
18 people see the risks and benefits. But within the
19 context of human subjects research the risk/benefit
20 ratio that we are most concerned about is as it
21 relates to the research subject and the issue it seems
22 to me is in the United States a decision was made that
23 informed consent is not the only criterion for
24 acceptable research, that we, in effect,
25 paternalistically impose upon the research process a

1 requirement of IRB review that looks at the
2 acceptability of a project as to whether a group of
3 well informed outsiders of mixed competency, some
4 scientists, some nonscientists, et cetera, view the
5 risk/benefit ratio as falling within an acceptable
6 range and when it does not supposedly the research is
7 not going to go forward even if there would be people
8 lining up who say, sure, do it on me.

9 And it seems to me that one of the questions
10 that arises in the international context is to what
11 extent do other parties besides just a traditional IRB
12 play a role in that assessment and what range of
13 benefits are counted as well as the risks to the
14 subjects because as I understand the interpretation,
15 sort of the standard interpretation, I stand to be
16 corrected on this, of the requirement of a favorable
17 risk/benefit ratio, the view has long been that you
18 can include benefits to the larger population and to
19 science.

20 In other words, it does not have to be the
21 research subject who stands to benefit more from
22 participating than the risks. That person might agree
23 to accept risks that are greater than the benefits
24 than he or she will derive, but only when people
25 judging it say, yes, this is research that has some

1 probability of producing good broader benefits.

2 And what about the Health Ministry saying,
3 "We have a say in making that judgment before you come
4 in and do research here in our country," et cetera, et
5 cetera. So, I mean, there are other participants that
6 make it more complicated in the international
7 settings.

8 But the question that Harold, it seems to me,
9 is raising was, well, how might one legitimately
10 categorize the range of benefits that would be counted
11 there and in a way the global justice issue comes in
12 here if the country does not have a real prospect of
13 being able in the near term to bring in the product
14 that has been developed.

15 Doesn't that count in whether or not it seems
16 legitimate for them to be saying do the research here?

17 To what extent do benefits to their infrastructure,
18 better trained scientists, equipment left behind and
19 so forth count on the benefit side but it is not the
20 same kind of benefit. It is benefit to other parts of
21 the system that do not help the sick people at all,
22 these sick people, et cetera, et cetera.

23 And these are some of the complexities that I
24 think we are going to have to get into but I would not
25 include whether or not the politician or the

1 researcher feels there is a risk to his or her career.

2 I mean that -- we can note that that goes into the
3 decision whether or not the research will ever get
4 done.

5 DR. BURKE: The reason for having the risk
6 based analysis, that is -- what got me into this in
7 the first place was the question of distributive
8 justice and the claims that if a treatment or a
9 vaccine were studied in a country then it should be
10 made available to everybody in that country, and that
11 always troubled me.

12 I did not quite understand what the principle
13 of that was and then the more I thought about it, who
14 actually is taking a risk such that there is a benefit
15 that comes from that, and trial participants are not
16 really taking a risk for the rest of the country.
17 Some of them do not have any particular interest in
18 another tribal group on the other side of the country.

19

20 It is really the politicians who are taking
21 the risk and so should we be thinking of this in terms
22 of rewarding the politicians because there will be a
23 benefit to the society for the risks that they have
24 taken as the representatives of those people or that
25 kind of approach where there is a -- being explicit

1 about who is taking the risks and who is getting the
2 benefits.

3 And I have not worked it all the way through
4 but that is at least one way of getting at some of
5 these problems rather than to make these sort of the
6 hand waving notions that there is an obligation and
7 whether or not it is a historical obligation or some
8 sort of distribution of the wealth obligation but
9 another way of looking at it is who is taking risks
10 and who is getting benefits. It is just -- and I am
11 not sure it is any better but it helped me anyway to
12 come to terms with why we were willing to do this kind
13 of thing.

14 DR. SHAPIRO: Well, thank you very much.

15 There are a lot of hands.

16 Diane and then we will go to Bernie.

17 DR. SCOTT-JONES: I have a question about how
18 one would make the decision to do the research in
19 another country. So could you sort of give us your
20 thinking as a scientist how you would decide to do the
21 research outside the United States and then perhaps
22 how you would imagine a private company deciding that
23 they would support research done in another country?
24 What would be the criteria and the lines of reasoning?

25 DR. BURKE: Rather than to deal with that in

1 general I will deal with it relatively specifically in
2 the case of AIDS vaccine trials. We decided that we
3 would work with South Africa, this International AIDS
4 Vaccine Initiative, that we would work there, and the
5 major criteria were that they had such a severe
6 epidemic that we could get answers faster that would
7 be of benefit to them, that there was political will
8 on the part of the people in the country, that there
9 was a sufficient infrastructure that would allow us to
10 do the research, that there were technically competent
11 persons who could participate and to make sure that it
12 works.

13 All of these things would be factors that
14 were positive factors. It would make us less likely
15 to want to do these trials up front in Malawi or
16 Angola or other places where a lot of these things
17 just simply are not true right now. But the idea is
18 to try to forge partnerships to take a group where
19 they believe it is their problem and we believe it is
20 our problem and to try to solve this as fast as we
21 can.

22 If we could do it in the United States in
23 Baltimore we would do it in the United States in
24 Baltimore but if we can get it done faster through
25 international cooperations to both of our benefit then

1 that is what we should do and the notion that it is --
2 that it could be done in Baltimore is not as strong as
3 compelling as can we get it done as fast as we can for
4 the greatest benefit for both parties.

5 DR. SCOTT-JONES: Okay. So could I just
6 follow up and make sure I have heard you. First it is
7 the needs of the people so you identify that the needs
8 of the people in that country were somehow greater
9 than in other places and then the infrastructure that
10 would allow you to do that. Those would be the two
11 questions.

12 DR. BURKE: I was speaking from the point of
13 view of a nonprofit. I was not speaking necessarily
14 from the point of view of a company. A company might
15 not use the same criteria. They may not use the
16 criteria of the needs of the people. They might use
17 the criteria of which is the most expeditious way of
18 solving a problem, of doing the smallest trial with
19 the least amount of cost because if the incidence is
20 high then you do not need to do a 10,000 person trial,
21 you can do a 1,000 person trial.

22 I think those are perfectly legitimate
23 decisions on the part of a company as long as the
24 provisions are there so that there are -- the benefits
25 accrue in proportion to the risks that are taken.

1 DR. SHAPIRO: Bernie?

2 And then -- let me just -- what I hope we can
3 do, I think, Bernie, after your question and the
4 discussion, we will turn to Dr. Killen and then we
5 will have time for questions for both Dr. Killen and
6 Dr. Burke but I want to make sure we give Dr. Killen a
7 chance to make his presentation also.

8 DR. LO: I also want to thank you for coming
9 and making a presentation. I think it is very helpful
10 to sort of try and develop a model for thinking about
11 risks and benefits and it does clarify things. Like
12 any interesting model it raises a lot of questions. I
13 wanted to raise a question and ask you to sort of
14 think through the issue.

15 This falls really on what Alex and Harold
16 were asking about. What are the different kinds of
17 risks and benefits? It seems to me when you -- you
18 very nicely laid out the different actors or players
19 here. They are facing different risks and they get
20 different benefits.

21 Traditionally in ethics -- in research we
22 have thought about different kinds of benefits and
23 there are sort of benefits that are sort of personal
24 and self-centered benefits, whether it is the
25 politicians or the scientists, or maybe even the

1 subjects, and try and distinguish those between
2 benefits that really are sort of patient centered or
3 health centered.

4 So, for example, even as a scientist,
5 certainly part of my decision to enter into a clinical
6 study, clinical trial, are these very pragmatic
7 factors about what is it going to do to my reputation,
8 my career, and whether I am going to get funded and
9 stuff. But in the sort of ethical analysis we like to
10 do we like to also say, well, are there other reasons
11 that sort of are more centered not on me as a
12 scientist but on the population with the disease.
13 Similarly I think with the politicians.

14 So I guess I want to ask you have you sort of
15 thought through how one distinguishes reasons which we
16 all operate on because we are selfish people but
17 somehow in research we want to have sort of the
18 altruistic patient centered reasons also be given more
19 weight. How one sort of takes into account the
20 different kinds of benefits that different actors
21 might gain from participating in a study.

22 DR. BURKE: I do not have a good answer for
23 that. That one is harder than the other kind of more
24 easily to define risks and benefits on the individual
25 level. You could -- I am sure there is a sense of

1 altruism that permeates through all of the players
2 here and that there is also the successful completion
3 of a trial for an AIDS vaccine and the benefits would
4 extend well beyond the individuals that were
5 participants in this particular single partnership and
6 everybody is aware of that.

7 But how you factor that into this kind of
8 risk based analysis I myself am uncomfortable with
9 right now. I do not have a good answer to that one.
10 I know it is there and I know it is across, and I know
11 it smears across all the participants but exactly how
12 that weighs in and how it should weigh in on an
13 ethical framework I do not know the answer.

14 I have a feeling it should. That is what
15 motivates me. I think that I probably do care about
16 my personal scientific career and things like that but
17 I do feel a strong sense of motivation from this
18 altruistic feeling that I am trying to do something
19 that matters to a lot of people but how do I calculate
20 that. I am not sure.

21 DR. SHAPIRO: Okay. I am sure we will have
22 more questions but I really do want to turn to Dr.
23 Killen for his presentation.

24 We are starting a little late but you are
25 welcome to the full half hour. The person who is

1 assigned for public comments will not be able to be
2 here today so we have that extra time to spend on our
3 discussion.

4 JACK KILLEN, M.D., NATIONAL INSTITUTE OF ALLERGY
5 AND INFECTIOUS DISEASES, ETHICAL ISSUES ON
6 INTERNATIONAL RESEARCH FROM AN NIH PERSPECTIVE

7 (Slide.)

8 DR. KILLEN: I want to thank you all for the
9 opportunity to be here this morning. It has been
10 really enlightening and interesting to listen to the
11 discussion and a lot of what I wanted to talk about
12 has already been talked about so I will try to go fast
13 over some of the stuff.

14 I am sort of coming to you from a perspective
15 of the NIH, which you can sort of think of as a hybrid
16 of a sponsor and the public sector. I think that the
17 reason I say that will become evident in a couple of
18 minutes. The thrust of my presentation is going to
19 come out of AIDS and AIDS research because that is
20 what I do but in having spent a lot of time thinking
21 about these issues about international research I do
22 not believe that anything that I say here or talk
23 about this morning is specific to AIDS and that the
24 points and principles are fairly generalizable.

25 I want to just talk quickly about three

1 things. One is sort of objectives and goals of
2 international research. I want to talk about this
3 issue of benefit being multidimensional and finally
4 and most importantly I think what I want to get into
5 is to talk about dilemmas because that is what we are
6 dealing with here.

7 Dilemmas that are complex and inevitable in
8 the context of perhaps unequal distribution of
9 research and health care resources in the world and
10 that the resolution of those dilemmas requires an
11 understanding of the local context in which research
12 takes place and the involvement of many stakeholders.

13 So those are the points I want to make, I hope, in
14 the next couple of minutes.

15 (Slide.)

16 This may be another way of looking at what
17 Don just put up. There is a whole lot of different
18 reasons for doing research in developing countries
19 ranging -- maybe this could be more appropriately
20 called a spectrum ranging on the one hand from an
21 interest in addressing a major health problem in the
22 developing country as the reason for doing the
23 research on the one hand to on the other hand taking
24 advantage of some very practical opportunity that
25 presents itself and there is a spectrum that maybe it

1 goes beyond this but this is a spectrum of motivations
2 for doing international research that perhaps one
3 might worry a little more about exploitation at the
4 bottom than at the top but I find this is a very
5 useful way of thinking about doing research in
6 developing countries.

7 (Slide.)

8 The next slide sort of gets more into where I
9 think we at the NIH are coming from. We believe that
10 our research is more focused on the top end of that
11 spectrum rather than the bottom, not to say that one
12 is better or worse than the other. They are both good
13 but when thinking about public health oriented
14 research we kind of believe that the agenda around
15 ethics and assessing ethics of clinical research needs
16 to take account of this category of research very
17 carefully.

18 This is simply a list of some examples of
19 research to which NIH has contributed in various ways
20 and in various degrees, some a lot, some a little. We
21 could get you a lot more detail if you are interested
22 in this but there have been many studies carried out
23 in developing countries where the goal has been very
24 explicitly to address a health problem in the
25 developing world that has very little relevance to the

1 United States. We could get a lot more information
2 and a lot more examples that I think are very useful
3 in elucidating. I will not go into any more detail
4 about these. Just to mention it and keep this kind of
5 thing in mind.

6 (Slide.)

7 Now I want to use for the next couple of
8 minutes the mother-to-infant transmission studies as a
9 case study. I hesitate to do this. My interest here
10 is not to be defensive. My interest is simply to
11 uncover complexities of the dilemmas and so I hope
12 that what I say is taken in that spirit because that
13 is how we are looking at it. There are dilemmas here
14 and we do not feel like we have a good framework for
15 thinking through the ethics involved.

16 (Slide.)

17 The situation you all know very well. In the
18 United States the epidemic of perinatally acquired HIV
19 is -- has taken a dramatic down turn and, in fact,
20 more recent figures show that the down turn continues
21 even further. This is a direct result of intervention
22 in the treatment of pregnant mothers or using
23 antiretroviral therapy to treat pregnant women to
24 prevent the infant.

25 (Slide.)

1 However, in most of the world the epidemic is
2 exploding in cases completely uncontrolled and the
3 reason for that is very simply that the interventions
4 that are available in the U.S. and other western
5 countries are simply not accessible in the rest of the
6 world.

7 (Slide.)

8 What has happened here, and this gets a
9 little bit to I think what I heard Bernie talking
10 about a little while ago, is that there are two
11 totally divergent research agendas. In the north, if
12 you will, if I can use those abbreviations, the goal
13 is to find more active and better regimens to eke out
14 more incremental progress. In the south the research
15 agenda since the 076 clinical trial results have been
16 very simply to find something that could be put into
17 place and they are completely divergent research
18 agendas.

19 (Slide.)

20 This has resulted in a series of studies. I
21 will not go through the details of this. The 076
22 trial was the original one in the U.S. The Thai study
23 followed on to that. A Petra study. All of these
24 were studies progressively aimed at finding
25 interventions that could be used that were much

1 simpler, cheaper, practical, feasible. They showed
2 results but to date essentially what we have seen is
3 that even though cheaper, more practical interventions
4 have been proven in research they have not been put
5 into place.

6 (Slide.)

7 The most recent development in this has been
8 a study that was carried out in Uganda in 645 HIV
9 infected pregnant women that were randomized in a
10 study that was designed at the time that the
11 controversy around the perinatal transmission studies
12 was erupting. This was originally intended to be a
13 three arm trial that would include a placebo. The
14 placebo arm was dropped at the time that the Thai
15 results were made public and turned into a simple
16 phase -- originally intended to be a Phase II study to
17 find a regimen that might be put up against the
18 simpler Petra regimen to see in a subsequent trial
19 what was best. This was HIVNET-012.

20 (Slide.)

21 Just a couple of weeks ago these data were
22 published and a couple of months ago they were made
23 public. There was actually again an astonishing
24 degree of effect of the simple nevirapine arm which
25 was highlighted on the earlier slide, the details of

1 which were highlighted on the earlier slide, that
2 resulted in about a 45 or so percent reduction in the
3 likelihood of transmission from mother-to-infant with
4 a regimen of nevirapine which is given -- a single
5 dose to the mother orally at the onset of labor and
6 one dose to the baby after birth.

7 (Slide.)

8 The important point here is that this series
9 of studies has generated an intervention that can
10 reduce by approximately half the transmission from
11 mother-to-child and reduce the cost from approximately
12 \$800 per case to approximately \$4 per case. Now we
13 have yet to see whether this intervention will
14 actually be put into place around the world but I
15 think it is illustrative of a line of research which
16 needed to take place which was not generally in the
17 interests of the U.S. even though the implications may
18 have some bearing on what happens in the U.S. There
19 is an entirely different research agenda going on here
20 compared to there.

21 (Slide.)

22 I want to just talk for a minute about
23 benefit and maybe we can come back to this in the
24 questions at the end. We think of benefit as
25 multidimensional. I have made direct and indirect --

1 those two categories which are enumerated a little
2 more on the next transparency. The direct is sort of
3 what we have all been thinking about and talking
4 about. That is benefit to the study participants.
5 Improving health in some way as a result of the
6 research.

7 There are in -- particularly in the case of
8 research in developing countries a number of areas of
9 more indirect benefit which are extraordinarily
10 important if one takes a long view about doing
11 clinical research. One of them is to build research
12 capacity and that includes the people and the places
13 where the research is done. There are parallel
14 improvements in health care that result -- that spill
15 out of research that are not directly a result of the
16 research. The development of independent review
17 capacity for both science and ethics.

18 And finally what Don was talking about
19 before, the business of long-term relationships and
20 trust that get established as a result of research are
21 extremely important.

22 I say this all because on the next slide --
23 (Slide.)

24 -- behind the success of HIVNET-012 and all
25 the other perinatal studies is essentially that, those

1 other benefits of research that lay -- that set the
2 stage for happening. Behind that success was not --
3 was strong political support but also a history of at
4 least 15 years of intense collaborations in a broad
5 area of research in Uganda that had resulted in the
6 development of extensive research capacity in-country
7 and strong local ethical review that permitted HIVNET-
8 012 to take place. HIVNET-012 could never have taken
9 place without the benefits that had accrued to
10 research before.

11 Now I do not mean to argue that those should
12 justify things being done that are wrong by any
13 stretch of the imagination but I do think it is a
14 dimension of benefit that is perhaps more important in
15 thinking about research in developing countries than
16 here.

17 Finally, ,let me just try to shed a little
18 bit of light on the next -- the last point which is
19 this business of dilemmas. I think the point that
20 they are complex and inevitable is, I hope, obvious.

21 On the next two slides, which I think -- skip
22 the next one and go to the one that talks --

23 (Slide.)

24 Well, there was before this one a series of
25 criticisms of the mother-to-infant transmission

1 studies. The justifications that have been given for
2 them are highlighted here on this slide. I think the
3 one that has not -- has been given short shrift to me
4 really gets to the kernel of it all, is that the
5 studies were designed specifically to answer the
6 public health issue of relevance in developing
7 countries.

8 All this other stuff about, you know, the
9 local standard of care is being provided or is not
10 being deprived and all that are justifications but I
11 do not think they get to the real nub of the point and
12 that is that the point of the study is to answer the
13 question of relevance.

14 (Slide.)

15 When you start to probe into the dilemma of
16 these studies and ask what is the point of the study.

17 Exactly what question must be answered is the design
18 appropriate, what is best proven diagnostic and
19 therapeutic method in this context. I think you begin
20 to shed light on the complexity of the dilemmas and
21 the complexity of the answers.

22 (Slide.)

23 Just to take the case of the mother-to-infant
24 transmission studies -- the relevant public health or
25 resource allocation question, if you are the Minister

1 of Health in a developing country, is whether or not
2 the new intervention is better than the care which is
3 currently available in your country.

4 So talking about no care versus care in the
5 context of the perinatal transmission debate is wrong
6 because the studies were not that. They were
7 something quite different. The appropriate study
8 design was, we think, to answer that question. The
9 care which is currently available plus the new
10 intervention or placebo. That was the design of the
11 study. Women and their infants did get care. The
12 question was the intervention.

13 And then that begs the question of are there
14 alternative study designs. There are alternative
15 study designs but they do not answer the question of
16 relevance if you are trying to make a decision about
17 how to allocate health resources when those are
18 extremely limited. If you are the Minister of Health
19 trying to decide whether or not to provide clean water
20 or treat -- prevent HIV and you have got to make that
21 kind of a choice, what you want to know is how a new
22 intervention compares to what is being done now.

23 (Slide.)

24 The other point is another set of questions
25 that probe into the dilemmas. I will not go into this

1 in any detail either. Sustainability of the tested
2 intervention after the study is completed is a big
3 point that gets made but the fact of the matter is
4 that there are a whole lot of individuals -- of
5 entities who have responsibility for making sure that
6 that happens.

7 Responsibility -- the ability to do it and
8 the authority to do it. So far this has been cast in
9 terms of sponsor, but governments and funders have key
10 roles in this. Also sponsors cannot make something
11 available in the absence of a lot of participation of
12 others, particularly in developing countries.
13 Furthermore, the fact of the matter is that
14 availability and sustainability cannot be guaranteed
15 up front. You cannot get anybody to agree that that
16 will happen.

17 An example here comes from another realm. I
18 will not talk about the specifics of it but in a
19 different realm of research a vaccine study in another
20 African country, not an AIDS vaccine study, where the
21 Health Ministry resented the requirement that some
22 commitment be made up front feeling that that was a
23 patronizing requirement and that they would be able to
24 make a commitment when they saw the results of the
25 study and could do an appropriate analysis of cost and

1 benefit. And that gets to some of the perceived
2 paternalism and rigidity of the current guidelines.

3 So I will stop basically with the next slide
4 which is a set of thoughts about ethical review that
5 are pretty much regurgitations of what I have already
6 said or what has been said by others this morning.

7 (Slide.)

8 I also believe that considerations of justice
9 here need a lot more development than they have been
10 given so far because they become a lot more important
11 in weighing overall risk and benefit, particularly if
12 one thinks about benefit in a bigger context and over
13 the long term.

14 The resolution of these dilemmas is very
15 complicated. It requires a lot of stakeholders of the
16 nature that Don was talking about in terms of
17 partnerships.

18 Thanks very much.

19 DR. SHAPIRO: Thank you very much.

20 Ruth, and then Bernie?

21 DR. MACKLIN: Thank you for enlightening us.

22 Jack, I want to know how much some of the
23 considerations that you raise could justify studies
24 that -- for which there would be good scientific
25 evidence that they are distinctly inferior to other

1 possibilities? I am going to be more specific in a
2 moment. And I say this against the backdrop of
3 debates that have taken place on the ethical review
4 committee of UNAIDS where people have expressed
5 different views, so I mean there is nothing behind
6 this but the notion that there are reasonable people
7 that are disagreeing and there are two examples here.

8 One is studies of vitamin administration and
9 vaginal washings as an attempt to decrease maternal-
10 to-child transmission given everything else that we
11 know and the belief that they would be distinctly
12 inferior. So one of your principles or one of your
13 views -- one of the things you said is would it be
14 better than the alternative which is no treatment at
15 all. I mean that was one of your -- the
16 justifications that you had and that could justify
17 what some would argue is a distinctly inferior
18 regimen. That is, is the new intervention better than
19 the care which is currently available and that was
20 your point here.

21 DR. KILLEN: That is the way I put it, yes.

22 DR. MACKLIN: Yes. But I mean that is the --
23 that notion, that idea could be used to defend what
24 some have said are distinctly inferior or known to be
25 inferior and to do research on them is unethical.

1 That is the first one.

2 DR. KILLEN: Yes.

3 DR. MACKLIN: And the second also in the
4 dilemma is what might be a contribution to knowledge
5 but at the same time is argued to be unacceptable
6 again given what we know about maternal -- to what is
7 effective in maternal-to-child transmission and that
8 is natural history studies. There are some who are
9 arguing that it is ethically acceptable to do natural
10 history studies in precisely those areas where there
11 is no intervention and people do not get the care and
12 it is not available, et cetera, since you are not
13 making them worse off. I mean that is the argument so
14 could you address both of those?

15 DR. KILLEN: The first is a little easier to
16 address. I think the answer to it changes over time,
17 of course, as new things become available as the
18 possibility -- I think the way --

19 DR. MACKLIN: Given the nevirapine, for
20 example. Given the results for nevirapine.

21 DR. KILLEN: I guess, you know, what you have
22 to -- what you have to ask is whether or not the --
23 whether or not what you study will provide useful
24 information at the end of the trial, number one. And,
25 number two, whether or not what you study can be put

1 into place at the end of the trial.

2 I think -- I do not think that there is a
3 right or a wrong answer completely here. It would
4 clearly be wrong to study something that cost \$4 or,
5 you know -- that cost the same as nevirapine if you
6 did not think that -- I am sorry. It would be wrong
7 to study something that costs the same as the
8 nevirapine regimen if you did not believe that it was
9 equally effective. That would be wrong.

10 On the other hand, I think if -- you have got
11 to -- well, not on the other hand. You have also got
12 to factor in what can be put into place, what is the -
13 - what is the nature of the question being asked, I
14 think, or where is the question coming from. If the
15 question is coming from a public health standpoint of
16 helping to inform the distribution of resources you
17 have got to take into account what is practical and
18 feasible in the context of where the study is being
19 done. I do not know if that sheds light on it or not
20 but that is --

21 DR. MACKLIN: What about the natural history
22 studies?

23 DR. KILLEN: Again I think you have got to --
24 you have --

25 DR. MACKLIN: I mean, there is nothing to

1 implement at the end. That is not -- that -- so the
2 other --

3 DR. KILLEN: Yes.

4 DR. MACKLIN: -- justification does not even
5 apply.

6 DR. KILLEN: Again I think you have got to
7 know what the -- what is the purpose of the study. If
8 the purpose of the study is to inform health or health
9 policy in the context in which the study is being done
10 there is more justification for doing it than if the
11 purpose is to go in and do natural history to exploit
12 it for the purpose of bringing it home and using it
13 for other purposes than the health of the setting
14 where the study is being done.

15 DR. SHAPIRO: Bernie?

16 DR. LO: Jack, I want to thank you for your
17 presentation and in the tradition of Commissioners
18 here who only get one question I will ask you a
19 double barreled question as Don answered two to
20 maximize my efforts here.

21 DR. SHAPIRO: Maybe you could assign one of
22 your questions to one of the other Commissioners?

23 DR. LO: That would work too if I could
24 delegate it.

25 One, in your presentation you made a bit

1 point in the HIVNET-012 study that the infrastructure
2 that had been built up in Uganda, both the scientific
3 infrastructure and the kind of ability to do
4 independent ethical review were crucial in your view
5 to the success of the study. I take it that that --
6 the existence of that infrastructure in the developing
7 country is not universal.

8 DR. KILLEN: Correct.

9 DR. LO: Would that -- what are the
10 implications for doing studies in countries where
11 neither the scientific nor the ethical infrastructure
12 exists? Does that mean it is unethical to do those
13 studies until we wait to develop that infrastructure
14 somehow through the training programs? That is one
15 question.

16 The second question goes back to your point
17 about sustainability and the difficulty of reaching up
18 front agreements. Again this is one of the areas
19 where I have seen a lot talked about in very general
20 terms but I would be interested in going to the next
21 level. What in your view -- and, Don, I guess I would
22 ask you the same question -- what would be a
23 reasonable agreement between all those parties up
24 front, not knowing the results yet, as to what
25 commitment they are willing to make?

1 What would you think would be a satisfactory
2 solution that is both practical and could be ethically
3 defended in terms of if the results -- I mean, I
4 always ask my students if the results come out as you
5 hope and you have a clinically and statistically
6 favorable result for one arm, what commitment would be
7 reasonable to expect the different parties to make in
8 advance?

9 DR. KILLEN: The latter -- on the latter,
10 again I think it is very circumstance dependent and it
11 could range from a commitment by a Minister of Health
12 to marshall the resources to put it into place to a
13 commitment that the WHO and the World Bank will -- you
14 know, the Minister of Health will go to the World Bank
15 and seek a loan, which might be the best that they can
16 do to put in place the health care infrastructure and
17 the company might give somewhat of a cost break to --
18 you know, some kind of an agreement or an
19 understanding up front that does not say, yes, we will
20 make it available because that simply is impossible to
21 do several years in advance I think.

22 DR. LO: Don, do you have any thoughts on
23 that?

24 DR. BURKE: Yes. We wrestled with this quite
25 concretely on the International AIDS Vaccine

1 Initiative when we were trying to build these
2 international partnerships to say we are going to
3 develop vaccines to test in your country and one of
4 the ways we did this was to -- in the -- when we
5 funded companies to prepare vaccines for South Africa
6 we built into their contract that they agreed to make
7 vaccine available at no more than 10 percent above
8 cost to that country, that they could sell it for
9 whatever they wanted to in the United States and
10 Europe but for the developing countries, as defined by
11 the World Bank the poorest countries, that they had to
12 agree that they -- so we would give -- we built in a
13 tiered pricing system into the agreement. And I am
14 not aware of anybody else that has done this so far
15 but at least we are struggling with this idea of
16 building into the contractual agreements the
17 obligation of access downstream and whether or not it
18 will work I do not know but it was at least a running
19 attempt at it. So I think it is do-able.

20 DR. LO: If I could just say I think it will
21 be very helpful to us as a Commission if you could
22 give us specific examples of the kind you mentioned to
23 sort of -- so we could help develop a standard of what
24 it would actually mean to have a meaningful and
25 realistic prior commitment because I think in the

1 absence of some examples that clearly are context
2 specific that at least would give others some starting
3 off points for discussion.

4 DR. KILLEN: Yes, that certainly could be
5 done.

6 DR. SHAPIRO: It strikes me, Bernie, on this
7 issue if one is talking about obligations to those who
8 participate in the trials, that is the subjects
9 themselves, that is one way of doing it.

10 DR. LO: That is a separate. Yes, I think it
11 is a separate.

12 DR. SHAPIRO: That is a smaller problem but
13 it is an important problem. Then there is a much more
14 complex problem of does this involve some obligation
15 to the country or whatever larger group it would be,
16 which is the --

17 DR. LO: Right.

18 DR. SHAPIRO: -- on the former problem is now
19 probably not that different. In this country and
20 other countries it is a common ethical issue concern
21 no matter where you do your trials.

22 The second one, the larger one, differs a lot
23 by country or it might differ. I have not thought it
24 through myself.

25 DR. KILLEN: I am aware of the discussions

1 about another bacterial disease vaccine, without
2 revealing any of the confidentialities, where the
3 company said quite simply, "We cannot make a country
4 specific agreement for a study that is being done in a
5 small country because we are also doing another study
6 in a much larger country where we could not possibly
7 commit the resources and we cannot be in the position
8 of saying -- giving special treatment to one country
9 compared to another."

10 DR. SHAPIRO: Let me take just a brief pause
11 in our discussion. Those people -- as I mentioned
12 before, those who have signed up for public comment
13 were unable to make it here today but just in case
14 there is someone in the audience who would like to
15 address the Commission for no more than five minutes
16 let me just ask the question and then we can continue
17 our discussion.

18 Yes, please? Just tell us who you are and so
19 on. Anywhere that is comfortable for you will be
20 fine. The table would be fine. Sit down.

21 PUBLIC COMMENT

22 DR. LURIE: Thank you. Good morning.

23 My name is Peter Lurie. I am with Public
24 Citizens Health Research Group in Washington, D.C.

25 I did not come with prepared remarks since I

1 -- there -- the sequence I suppose is the sequence in
2 which they came up and which I wrote them down so I
3 just want to share my thoughts on a variety of -- not
4 necessarily completely related issues.

5 The first question that I heard come up this
6 morning was what the Commission ought to do in terms
7 of contacting other people and who to write to and so
8 forth. I heard a discussion that was about the
9 importance of speaking to deans of public health and
10 whether or not we should speak to deans of medical
11 schools. That is really not the issue at all. The
12 issue is not whether or not the research industry will
13 be adequately heard at this table. It will be.

14 The issue is whether the voices of people in
15 developing countries will be heard and, therefore, I
16 think one needs to go much beyond that kind of group
17 and I am willing to do what I can to help provide such
18 people. It is not easy because those people are
19 under a lot of pressure and find it difficult to come
20 forward and oppose not only people in this country but
21 even the research leaders in their own countries but
22 really that is where the work needs to be done. Not
23 in helping deans of public health to make their points
24 clearly because they will, including this afternoon.

25 The second issue is distributive justice and

1 I heard at least some notions that -- whether or not
2 this should be in the report and to what extent it
3 ought to be and so forth. I cannot strongly enough
4 emphasize how important it should be. I would
5 suggest, in fact, that the survey that is being done
6 of the national principal investigators should include
7 specific questions on this.

8 The suggestion has been put forth by
9 ourselves but especially by George Ennis and Leonard
10 Glass that we need to have agreements up front.
11 Nobody says it is easy. Jack has pointed to some
12 difficulties that exist in writing agreements up
13 front. But the fact that there are difficulties is
14 not an excuse to have no agreement at all. It is an
15 excuse to work harder at finding an appropriate one.

16 I think that the survey that is being done by
17 the Commission on behalf of the Commission should ask
18 the questions of did people, in fact, conclude the
19 kinds of agreements that Glass and Ennis have
20 acquired. And then if they actually concluded them,
21 which they may very well not have, I suspect in very
22 few cases will they have, and I think by the way that
23 what Aobi (?) has done is an example of what can be
24 done rather than pointing to problems, it is a finding
25 of some kind of a solution.

1 The second part should be if they actually
2 went so far as to conclude such a thing did they
3 actually implement it so it would be a second part of
4 that and I would like to see that as part of the
5 survey.

6 The third point is there was discussion of
7 whether or not it is appropriate for your committee
8 report to address the totality of the international
9 research agenda and whether or not things are focusing
10 on questions that are too small as opposed to the
11 larger ones and certainly I do not think that one can
12 go on a research project by research project basis and
13 say, well, this is unjustified because it is on a
14 disease of rare prevalence. If one were to take that
15 as the principle then everybody would be doing only
16 research on the most prevalent disease so clearly that
17 is not the way to go.

18 But I do think that for institutions like the
19 NIH or the CDC who have large research portfolios your
20 Commission could recommend an annual review in which
21 they are forced to go back and look at the totality of
22 what they are doing and say in totality how does this
23 meet or not meet with the totality of requirements
24 from the developing world or for the particular
25 countries in which we are looking. I do not think you

1 can do it again study by study. I do not think that
2 makes very much sense but I think that is in a way --
3 in many ways the most important question and I think
4 for your committee to sort of shuck that aside would
5 be a mistake.

6 Ruth made some interesting points on standard
7 of care and I tend to side with her on this. I think
8 that the term "standard of care" has been used in an
9 extremely sloppy fashion. There is -- people just use
10 it in a way that is not thoughtful. I think the
11 distinction between the two standards as Ruth
12 described them is a very useful one and it is
13 interesting that the standard of care is applied in a
14 quite inconsistent fashion.

15 For example, if it is standard of care to
16 reuse syringes in a particular country would an NIH
17 funded research project go in and reuse syringes? I
18 do not think so. If -- would an NIH funded research
19 grant go in and not use the very best laboratory
20 counters, laboratory -- you know, like CD4 cell
21 counters for example? Of course, they would not.
22 They would bring in the very best.

23 So unfortunately the term "standard of care"
24 is not applied to those elements of research. It is
25 instead applied to those research -- those areas of

1 research which involve the actual provision of care to
2 patients. And that I think highlights the very
3 conflict of interest that is operating here.

4 No, we do not -- we will raise the standard
5 of what we provide in the research setting but if it
6 involves decreasing the incidence of the endpoint that
7 we are interested in then suddenly the sloppy word,
8 "standard of care," raises its ugly head.

9 Standard of care has a meaning. It has a
10 medical meaning. It has a scientific meaning and it
11 is based on the best available knowledge of what we
12 think actually works in a particular setting. Now
13 agreeably sometimes there will be honest disagreements
14 between scientists about whether something works or
15 whether it does not and that is fine. That is
16 acceptable.

17 But the term "standard of care" as applied to
18 what is provided in a country is not very helpful at
19 all. If you go to South Africa, for example, you have
20 no difficulty finding -- well, if you could find HIV
21 positive White pregnant women you would have no
22 difficulty finding people getting triple drug therapy
23 I am quite sure. On the other hand if you go into the
24 townships most of those women are getting absolutely
25 nothing.

1 So standard of care is not between countries
2 only. It is also within countries. And if we were to
3 take that kind of notion and apply it to the
4 developing world and say you are a poor Black woman in
5 South Africa, you get nothing, and were you to be a
6 White HIV positive pregnant woman you would get it.
7 Well, what if we applied that same kind of standard to
8 this country? What if we were to say the standard --
9 well, yes, we are providing, you know, poor care to
10 you, for argument sake, person of color, injection
11 drug user in the intercity, but that is because you
12 are poor in effect. I mean that is really what the
13 standard of care means. This is what you are getting
14 precisely because you are poor.

15 What can be more objectively evaluated is the
16 scientific data and that is a meaning of standard of
17 care that actually has some scientific credibility and
18 the one that we should be adhering to. So standard of
19 care as used in this unfortunate illusion is not as --
20 and Ruth points us out quite correctly -- it is not
21 standard of care. It is substandard care. And most
22 of the times or many times, excuse me, it is no care
23 at all. And to dignify it with these terms sloppily
24 used I think is extremely dangerous and not what --
25 the kind of thing that this Commission should be

1 endorsing.

2 I would not have talked about the vertical
3 transmission studies but Jack sort of invited it
4 particularly when you offered the defenses of the
5 studies but not the criticisms.

6 The question there is not whether or not the
7 sequence of studies found something useful in the form
8 of nevirapine because it did. The question is whether
9 there was another way to have done it and the question
10 is did anybody expect a sequence of events much
11 different, setting aside nevirapine itself where I
12 think people were honestly surprised, much different
13 than what happened.

14 Ruth tells us that the CDC investigator in
15 Thailand said that they thought that short-term AZT
16 would work. In fact, I am not surprised to hear her
17 say that because the CDC's protocol for that study
18 says that they thought that short course of AZT would
19 work. In fact, they thought short course might be
20 about as good as the long course. So the investigator
21 from South Africa, James McIntyre, wrote in a
22 published article prior to the Thai study, "We believe
23 the short course will work."

24 So in all of this the notion of equipoise is
25 critical and we have not heard that discussed.

1 Somehow in all of this we seem to be hearing equipoise
2 is somehow for us but we can go overseas and throw
3 away these notions of equipoise and do studies to
4 which we actually think we know the answers when we go
5 in. That, I think, is a very dangerous precedent to
6 set.

7 So the question then is was there another way
8 and we believe that there was. We do not think,
9 especially since most people seem to think they knew
10 what the answers were going in, we do think there was
11 another way that would have protected subjects better
12 and, indeed, the study results show that.

13 We now have four, I believe it is, placebo
14 control trials from Africa on the vertical
15 transmission and lo and behold they are all positive
16 and they are not even close to being negative with one
17 exception of the intrapartum (sic) only in the Petra
18 trial. They are very, very positive. In fact, they
19 are so positive that everybody would have known that
20 they were positive had there not even been a control
21 group, let alone a positive control of placebo group.

22 The reduction was so substantial that as it happens
23 in retrospect no control would even -- would have been
24 sufficed to even realize that these things worked.

25 And 012 is put forward as if this is some

1 great accomplishment and in a certain way it is but
2 itself is -- 012 is itself unethical. Let us remember
3 that 012 provided no prenatal AZT to anybody in either
4 arm of the study.

5 Whereas, in fact, they -- whereas, they
6 continued to recruit people into that study for 14
7 months after the Thai regimen had proved that
8 antepartum AZT was an important part of the regimen.
9 So it was antepartum and intrapartum worked in
10 Thailand and for 14 months they continued to recruit
11 people without providing an antepartum AZT and they
12 went on to do it for five months after the WHO had
13 recommended the Thai regimen for places that had an
14 adequate infrastructure. So even that was -- was
15 itself not an ethical study.

16 DR. SHAPIRO: Excuse me. Are you bout to
17 finish your remarks?

18 DR. LURIE: Yes. I am on my very last point.

19 DR. SHAPIRO: Thank you.

20 DR. LURIE: The final point is on
21 observational studies. There was a question about
22 this. And, you know, I guess -- you know, Jack's
23 response to this is, well, as long as we are trying to
24 do good for people it is okay.

25 DR. KILLEN: No.

1 DR. LURIE: Well, that may be --

2 DR. KILLEN: That was not my response. I am
3 sorry.

4 DR. SHAPIRO: Let's not do this.

5 DR. LURIE: Okay. Let me --

6 DR. SHAPIRO: It is not a personal issue at
7 stake here.

8 DR. LURIE: Okay. Let me --

9 DR. KILLEN: That is a misrepresentation of
10 my response.

11 DR. LURIE: Let me rephrase. Let me
12 rephrase. Okay. Fair enough.

13 What I understood Jack to say was that an
14 important way for deciding between an unethical or not
15 unethical observational study was what the intent of
16 the researcher was, that if the intent was to improve
17 for health or health policy purposes, that if it had a
18 legitimate purpose of that kind that you can say it
19 would be ethical but that would weigh in the favor of
20 being ethical -- in favor of it being ethical.

21 I suggest that divining the intent of the
22 researcher is difficult. I think people are trying to
23 help but I do not think that -- I do not think that
24 that in the end is the way that one should distinguish
25 between these things.

1 If you are in -- and my final -- very final
2 point is the observational study -- Ruth's question is
3 excellent because if you are in the placebo group of a
4 randomized control trial either before or after the
5 Thailand study it still feels like you are in an
6 observational -- it still feels like you are getting a
7 placebo. I mean, it feels -- you know, you are still
8 getting nothing. You know, you might as well be in an
9 observational study when you are in -- from your own
10 personal point of view.

11 That is it.

12 DR. SHAPIRO: Thank you for your very helpful
13 remarks. Thank you.

14 Are there any questions regarding these
15 particular remarks?

16 All right. Well, let's return now to see
17 what questions we have for Dr. Killen and Dr. Burke or
18 other issues that surround what we have been
19 discussing the last hour or so.

20 Diane?

21 DR. SCOTT-JONES: I have a couple of
22 questions for Dr. Killen.

23 First I would like to know what proportion of
24 your research portfolio, the research you oversee, is
25 conducted in developing countries?

1 And then the second one, I noted that when
2 you listed the points that you thought were in favor
3 of the studies of the perinatal transmission of HIV
4 you said that the most important one was that the
5 studies were designed to answer the public health
6 questions of developing countries and I would like you
7 to say a little bit more about that because I was
8 wondering if the research is motivated mainly to
9 answer questions of other countries why should NIH --
10 why should a U.S. federal agency invest so much in it
11 given the needs of our own citizens for inexpensive
12 health care?

13 I know you noted that the perinatal
14 transmission has declined in the U.S. and it has gone
15 up in other countries but there are still great needs
16 here especially in particular segments of the U.S.
17 population so I was hoping you could say a little bit
18 more about that justification, the needs of other
19 countries.

20 DR. KILLEN: Sure. I do not have the percent
21 figures available. I could get that for you and
22 provide it after the fact if you would like. I am
23 sorry I do not have it. It is a relatively small
24 percent.

25 DR. SCOTT-JONES: Okay.

1 DR. KILLEN: A very small percent I would say
2 but I do not know what that would be.

3 DR. BURKE: I would say a very small percent.

4 DR. SCOTT-JONES: Okay.

5 DR. KILLEN: And then the second point, I
6 think, is one of -- it gets back to the question of
7 what are the global -- what is the global research
8 agenda and what are the global priorities. I do not
9 know. I think as the head of the Division of AIDS
10 Research I could not conscionably stand back and say
11 we have got it conquered or nearly conquered in this
12 country so I do not care about the rest of the world.
13 It is just not -- you know, it does not work.

14 The epidemic -- approximately -- you know, in
15 this country -- what is the number, Don? Less than a
16 percent I think of the HIV cases are --

17 DR. BURKE: Worldwide?

18 DR. KILLEN: No. In the U.S. Less than one
19 percent of -- or approximately one percent of the
20 cases of AIDS/HIV are in children. On a global scale
21 it is now approaching about ten percent because of the
22 disparity of men and women. And that is a huge
23 number. It is a huge burden and you saw the graph of
24 it exploding through the roof with nothing being done
25 and there is obviously the potential to cure so all of

1 that taken into consideration we feel like we have got
2 a large obligation to do a lot.

3 Technically speaking, you know, the agenda of
4 the NIH or the budget of the NIH is largely oriented
5 towards the needs of the U.S. and that is kind of how
6 the appropriation is delivered to us but we go well
7 beyond that for a lot of obvious reasons.

8 DR. SHAPIRO: Thank you.

9 Any other questions?

10 DR. MIIKE: Just one.

11 DR. SHAPIRO: Larry?

12 DR. MIIKE: Listening to the discussion it
13 strikes me as very -- if you substitute developing
14 country with minority health problems in this country
15 and the agenda setting by NIH and the criticism to
16 come up, it sounds almost parallel. It is just an
17 observation that I make. That is because there is an
18 issue about which diseases to study, how much money to
19 put in, what you count as good research,
20 participation, all of those things seems to be exactly
21 the same.

22 DR. KILLEN: Yes. There was an Institute of
23 Medicine --

24 DR. MIIKE: I was on it.

25 DR. KILLEN: Yes, you were a part of that.

1 Some of the work that you were talking about, about
2 what is the big agenda, has already been done by
3 another Commission. Yes, there are many similarities
4 for sure.

5 DR. SHAPIRO: Diane?

6 DR. SCOTT-JONES: I have a question for Dr.
7 Burke because we like very much to get the facts. Is
8 it the case that the studies that you referred to in
9 South Africa are -- the participants would be
10 predominantly people of color and not White South
11 Africans?

12 DR. BURKE: Yes. That has not -- we do not
13 have volunteers yet. We are still in the product
14 development phase and our approach is to make these --
15 part of what we refer to as product -- vaccine
16 development partnerships up front. We do not have a
17 specific population defined who will be the persons
18 who will be in the trials. Our expectation is it will
19 be essentially 100 percent Black South Africans.

20 DR. SHAPIRO: Any other questions?

21 Well, let me thank you both very much. We
22 very much appreciated your participation this morning
23 both before and now and we look forward to continuing
24 conversations with you as this study continues to
25 develop.

1 We will now take -- Eric, what is our agenda
2 in the -- excuse me.

3 Trish?

4 DR. BACKLAR: I just would like to say that
5 in response to the person who came -- am I allowed to
6 say one thing, yes?

7 DR. SHAPIRO: Sure.

8 DR. BACKLAR: Okay. In response to the
9 person who just spoke to us, your name was Mr. Lurie.
10 I think that you made a very important suggestion and
11 I hope that we consider it seriously and that is that
12 we invite people from developing countries to come to
13 speak to us and I, too, like Larry, was struck with
14 the similarity of our looking at vulnerable
15 populations in this country and the same
16 characteristics attain for people in developing
17 countries.

18 DR. SHAPIRO: Okay. Thank you.

19 We will reconvene here in one hour.

20 Thank you.

21 (Whereupon, a luncheon recess was taken from
22 12:00 p.m. until 1:17 p.m.)

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

2 DR. SHAPIRO: This afternoon we will be
3 continuing our discussion of ethical issues in
4 international research.

5 And I want to apologize both to the members
6 of the public who are here and to our guest, Dr.
7 Sommer, for getting started a little late.

8 We never seem to be able to keep our lunch
9 hour down to an hour for one reason or another so I
10 appreciate your patience in waiting.

11 First, I am going to make an announcement in
12 a moment but I just wanted to apologize to Dr. Sommer
13 for keeping him waiting. He was here on time. We
14 were not.

15 I do want to announce to the Commission that
16 -- for those of you that do not already know -- that
17 the Executive Order extending the Commission has been
18 signed and so we will proceed with somewhat more
19 confidence in our plans for the future. It extends to
20 October 3, 2001, if my arithmetic is right. So you
21 will hear more about that as time goes on.

22 But Dr. Sommer, Dean, Johns Hopkins School of
23 Hygiene and Public Health, of course has been working
24 in areas of direct interest to us for a very long
25 time. So we very much appreciate you being here and

1 we look forward to your remarks, Dr. Sommer.

2 ALFRED SOMMER, M.D., M.H.S., JOHNS HOPKINS
3 SCHOOL OF HYGIENE AND PUBLIC HEALTH
4 "THE ETHICS OF HUMAN RESEARCH IN DEVELOPING COUNTRIES:
5 BALANCING THE IDEAL, THE PRACTICAL AND THE NECESSARY"

6 DR. SOMMER: Thank you.

7 By way of clarification if I am not
8 addressing the issues you really wanted me to address
9 it is Ruth Macklin's fault.

10 (Laughter.)

11 She gave me a one-half hour preparatory about
12 which things I had written in my letter that she felt
13 were important and which things were not.

14 So let me begin by saying that my own
15 perspective and career has been very much as a
16 pragmatist, someone who is devoted to finding
17 practical solutions to problems that impair health and
18 survival often in poor countries so you know the
19 background and the focus of my work has to do with
20 that so, therefore, it leaves out a lot of other
21 things that might otherwise be on your agenda.

22 I think it is important to recognize that
23 human research in developing countries differs from
24 that in the U.S. and other market economies in many
25 ways.

1 Let me suggest one other thing. I have not
2 been at your proceedings. I do not know quite how
3 they function but I gather that most people around the
4 table do not actually do research and certainly not
5 research in Third World countries so if I have missed
6 a boat or you are not quite certain what in the world
7 it is that I am referring to I would feel comfortable
8 if you wanted to stop and ask a question but it is up
9 to the chair.

10 DR. SHAPIRO: The more accurate way to
11 describe that is most people around the table have not
12 done research in this particular area. You are quite
13 right about that. And we will feel free to interrupt
14 as --

15 DR. SOMMER: That was the point. Feel free
16 to interrupt me.

17 So I think that to set the stage I think that
18 doing human research in developing countries differs
19 from that in the U.S. and other market economies in a
20 number of ways.

21 First we are often dealing with diseases and
22 conditions that have long disappeared from the U.S.
23 and other market economies and sometimes what we need
24 to know is why have they disappeared from our
25 societies when they have not disappeared from others.

1 My approach on those issues has always been is there
2 some simple potentially inexpensive but critical
3 change that was responsible that one can tease out
4 from what otherwise is the broad base of socioeconomic
5 development that has gone along at the same time as
6 these diseases have disappeared?

7 And one example I will give you is trachoma.
8 Trachoma is caused by recurrent infection of the eye
9 by an organism called chlamydia. There are many
10 trachoma controlled programs in the past set up around
11 the world and there is very little evidence that any
12 of the former programs ever accomplished anything.

13 On the other hand, I have lived and worked in
14 places like Haiti and Indonesia where trachoma
15 disappeared spontaneously and it disappeared when
16 there was even just a modicum of socioeconomic
17 development so one begins to ask the question what is
18 it that happened early on and so you do what we do
19 what we call case controlled studies.

20 You go into communities in countries where
21 trachoma is still a problem and you say why does this
22 village or this group of children -- what is different
23 about them, the ones that have trachoma from the
24 children who do not, and what you might discover as we
25 did, no great surprise, that one group washes their

1 face. Even if they only wash their face once a day
2 and do not use soap, that washing their face once a
3 day somehow clears up the discharge around the eyes
4 and reduces the transmission of the agent from child
5 to child. That is just an observational study.

6 But you cannot prove that, in fact, once a
7 day face washing will, indeed, make a difference and
8 before you launch that on the world even though you
9 are not going to hurt anybody by telling them to do it
10 -- in fact, most people who live in trachomatous areas
11 spend a lot of time and energy getting water. If you
12 go down to the Chiapas area of Mexico women are
13 walking 5,000 feet down a mountain and then 20 miles
14 to get a cistern full of water and then putting it on
15 their back and walking it back up so you do not
16 recommend things like casual face washing to somebody
17 who has to lug water that far unless you can show it
18 makes a difference.

19 And so we set up trials in a number of
20 countries, Mexico, Tanzania, what have you, in which
21 we did one thing. We had some villages wash their
22 face and we did not do anything to the other villages
23 and, indeed, it made a huge difference.

24 So now there is the global trachoma
25 eradication initiative that is based on five

1 strategies. One of which -- it is called the SAFE
2 Strategy. Each one of those stands for another
3 intervention and the "F" stands for "face washing."
4 So, you know, that is the way research goes forward
5 and these are the kinds of things we think about.

6 So what it means basically because we are
7 dealing with conditions that have often disappeared
8 spontaneously from our own cultures is that we have to
9 observe what is different between cases and controls
10 within an environment in which these diseases still
11 occur and then we often have to attempt clinical
12 trials to demonstrate that what looks like makes a
13 difference is really responsible for the difference
14 and is not just something that is going along with
15 other things that you have not recognized.

16 Another example, of course, which is even
17 closer to my work, although I did work on the
18 trachoma, is the vitamin A and child survival story,
19 which I think I brought today handouts that describe
20 that relatively succinctly. You can use that for
21 bedtime reading or whatever. We observed quite
22 accidentally when we were doing something else a
23 difference in the mortality rate of young children
24 that was associated with their vitamin A status. This
25 was not something we had expected to find.

1 We were doing this observational study for
2 entirely different purposes but we found that children
3 who had poor vitamin A status died at a higher rate
4 than did children who had a better vitamin A status.
5 The trouble is that children who have poor vitamin A
6 status are different in many other ways as well. Some
7 of them we measured their protein energy malnutrition,
8 their risk of respiratory disease and diarrhea, and
9 what have you, but the nature of all observational
10 research is you never measure everything, and it is
11 impossible in an observational study to say with any
12 degree of certainty that a single factor, indeed, was
13 responsible for this important outcome.

14 So we did set up a randomized trial in which
15 some children were given vitamin A and some children
16 were not even though we knew that giving all the
17 children vitamin A was certainly not going to hurt
18 them. On the other hand if we could demonstrate that
19 it really made a profound difference this would be
20 very important.

21 So the fact is it is not a problem in our
22 culture. It was at one time. Up until the 1930's
23 vitamin A deficiency was important in the United
24 States. It was important in Great Britain. It is no
25 longer.

1 The second thing -- the second parameter, I
2 think, which differentiates research in the two areas
3 is that the burden of proof that something is
4 important and useful has to be greater in poorer
5 countries than in wealthier countries. Now that may
6 seem counter-intuitive at first and let me go through
7 the reasonings for you.

8 In the U.S., more or less, and these are sort
9 of formed thrusts if you will, in the U.S. all we need
10 to do to launch a new intervention if it is a
11 pharmaceutical -- if it is surgical we do not have to
12 do anything. The surgeons, we can do anything damn
13 thing we want to do and there is no FDA for surgical
14 interventions. That may scare you and it should scare
15 you but it is the truth.

16 But let's assume it is a device or a
17 pharmaceutical. All we have to do is satisfy the
18 FDA's requirement that this new pharmaceutical is safe
19 and effective. That is the only thing we need
20 demonstrate.

21 Then it is up to doctors and their patients
22 to decide whether or not they are going to use this
23 device and sometimes patients know more about it than
24 their doctors do and sometimes it is the reverse and
25 sometimes it gets used and sometimes it does not get

1 used. There is a lot of variation in what we do. But
2 the only official position we take is we have to prove
3 it is safe and effective and then it is up to
4 everybody else as to whether or not they incorporate
5 that into practice.

6 Poor countries operate totally differently.
7 Poor countries have very limited health resources, and
8 I will give you an example. When I first got involved
9 with vitamin A deficiency, the reason I did, I did as
10 an ophthalmologist. We did know that vitamin A
11 deficiency was an important cause of childhood
12 blindness in the developing world.

13 And after we demonstrated and documented just
14 how large it was, the largest cause, I would go around
15 and meet with Ministers of Health and say, "You have
16 to do something about this problem because there are
17 children going blind unnecessarily and it is a very
18 inexpensive intervention."

19 The Ministers of Health invariably would say
20 to me, "We feel terrible about the fact that a large
21 number of children cannot see at night, a significant
22 number of children are going blind but, you know, one-
23 third of our children die before the age of five. We
24 only have one or two dollars per capita to spend on
25 health care. How can I divert that one or two dollars

1 from trying to prevent a third of the children from
2 dying to something like preventing night blindness or
3 blindness?" And that is a real issue for them.

4 Fortunately as it turned out or
5 unfortunately, depending upon how you look at it, the
6 vitamin A also had something to do with child
7 mortality and then we were able to wrap the whole
8 program and justify it on mortality and then they were
9 very interested in doing it and by the way we prevent
10 blindness at the same time.

11 So an intervention in a Third World country
12 must not only seem to work and be effective and be
13 safe, it must be almost guaranteed to work and to work
14 in large segments of society. In addition, it has to
15 be cheap and it has to be highly cost-effective.

16 So unlike the U.S. where the FDA approval
17 provides a license for laissez faire adoption by
18 changing patient and physician perceptions, poor
19 people do not receive new interventions in that
20 manner.

21 In developing countries there are very few
22 doctors and poor patients rarely have access to those
23 few doctors. So in poor countries you have to
24 convince the government that it is worth their while
25 to shift their limited resources to this particular

1 intervention because it invariably means shifting it
2 out of some other part of the health sector so it is -
3 - it becomes a societal issue, you know, if you will a
4 public health issue, rather than a simple patient-
5 physician issue as it is here.

6 Hence the results of trials in Third World
7 countries almost always have to be unequivocal from
8 the point of impact, from the point of relevance, and
9 from the point of cost-effectiveness. And within that
10 country's unique milieu of available infrastructure,
11 available health resources and, of course, all those
12 competing demands -- I mean, are they dealing with
13 malaria as a horrendous problem and that is sapping
14 all their resources or are they dealing with drug
15 resistant tuberculosis or HIV or what have you?

16 I mean, they have major health issues we do
17 not even begin to think about here and they have far
18 less resources to deal with them. The government
19 makes the decision about how those resources are going
20 to be spent and so you have to have a compelling case
21 for them moving resources to the particular issue you
22 are involved with.

23 So one must not only convince yourself it
24 works. I could be convinced that something works but,
25 of course, I have to convince other scientists that it

1 works and I do not only have to convince other
2 scientist locally, I have to also convince them
3 globally because very few local scientists in
4 developing countries feel sufficiently secure in their
5 standing to make a decision and advise a government in
6 contrast to "the great scientific community out there
7 in the wealthier world." So it really means bringing
8 a lot of people along.

9 I will tell you early on after we did the
10 first control trial a well-respected -- and we found --
11 - this first control trial where half the kids got
12 vitamin A and half the kids did not get vitamin A,
13 there was a 35 percent reduction in the mortality rate
14 amongst the children who were to get vitamin A.

15 And they quoted a relatively well-known U.S.
16 scientist in print in the scientific literature
17 saying, "We would believe Sommer if only he claimed a
18 more modest reduction, say on the order of 10
19 percent." What am I supposed to do? Throw away the
20 real data and come up with data that would justify in
21 this person's mind what the real results should be? I
22 mean, this is real life. You are dealing with real
23 people.

24 Scientists, as some of you read the recent
25 article in the Times, got it right, I mean scientists

1 do not work together as a great collegial enterprise
2 all the time. There is a lot of personalities that
3 get in the way.

4 Once we have convinced the scientists, of
5 course, we have to convince the policy makers of the
6 relevance of the work as well. Now let me give you an
7 example. For ethical reasons, that is because
8 Indonesia decided that they were going to do a vitamin
9 A program to prevent blindness -- it was the only
10 country. They were going to do a nationwide vitamin A
11 program to prevent blindness.

12 When we stumbled upon this mortality issue
13 and wanted to do a randomized trial they, first of
14 all, said, "Well, how can we do that because we are
15 committed to giving everybody vitamin A?" Well, we
16 were able to work out a scenario.

17 They knew they could not give it to everybody
18 starting the same day. It was going to take them five
19 years to cover one particular province where the
20 disease was most severe so what we worked out was they
21 allowed us working with our Indonesian counterparts to
22 randomize the order in which villages were entered
23 into the program. So we did not slow down the
24 progress of the program but we were able to carry out
25 a randomized trial simply by taking advantage of what

1 they were going to do anyway.

2 However, because they were committed, even
3 though they could not get to this village for five
4 years, they did not want to use a placebo so it was a
5 trial. I had a no problem with that since usually the
6 major problem with placebos is the placebo effect "I
7 feel better when I otherwise would not because I think
8 I got something."

9 But the endpoint of the study was death and
10 it is very rarely that placebo effect makes a real big
11 difference on death. It is a kind of hard endpoint if
12 you will. So I had no great concerns with the
13 validity of a study in which we were counting deaths
14 and did not use a placebo as long as we randomized
15 villages appropriately and, of course, did not lie
16 about the results.

17 Well, it turned out most scientists around
18 the world totally disregarded the first observational
19 study which appeared as the lead article in the Lancet
20 with a supportive editorial. It did not elicit a
21 single letter to the editor. I mean here was a
22 potential intervention that reduced childhood
23 mortality by a third and there was not one letter to
24 the editor. That meant there was nobody prepared to
25 actually follow-up and do anything about it so then we

1 planned this first randomized trial which did not have
2 a placebo. We published that. Also a lead in the
3 Lancet. Also with a supportive letter. And then all
4 the letters came but they were all negative and the
5 biggest negative issue was we did not use a placebo.

6 So we were following what Indonesia thought
7 was an ethical approach. "You do not need to use a
8 placebo. It is rational not to do it. We feel more
9 comfortable if you will not." I said, "Okay. I
10 understand that. We can do this."

11 But it required then two more placebo
12 controlled trials even though I am now convinced. Two
13 more placebo controlled trials to convince the
14 Indonesian government now who did not believe it
15 because it did not have a placebo that this, in fact,
16 was something they ought to act upon and it took five
17 or six more trials to convince the rest of the world.

18 So trying to go by one group's feeling of ethics in
19 fact slowed down the whole process considerably.

20 The third way, of course, which is very
21 difficult to deal with and probably the thing that is
22 going to be most difficult for you is that populations
23 in Third World countries are often illiterate,
24 particularly where you do these studies because most
25 of these diseases are most common out in the rural

1 poor areas.

2 Many people are illiterate and do not have
3 the vaguest of any experience with the understanding
4 of even routine medical practice, let alone with the
5 scientific method. It is often even culturally
6 inappropriate for people to make individual decisions
7 independent of that of the rest of the community.

8 So traditional and exhaustive lists of
9 potential side effects and complications -- if any of
10 you came to me for cataract surgery and you actually
11 read the list of potential side effects you would
12 never have cataract surgery done because it includes
13 loss of the eye, overwhelming infection, bleeding to
14 death. It is hard to bleed to death from a small
15 incision in the eye but it is potentially possible.
16 So you put that in there and to a relatively
17 unsophisticated and illiterate population it gets very
18 difficult, indeed.

19 And the people who it will scare off the most
20 are the 20 percent of the people who need the
21 intervention the most and this is a general rule of
22 thumb that most people even in medicine do not
23 recognize. Any time you launch a public health
24 initiative, even an entirely proven initiative or a
25 medical initiative, about 15 to 20 percent of the

1 population will not comply and invariably they are at
2 higher risk to begin with.

3 It is something about them that is poor
4 health seeking behavior and it goes -- it includes
5 noncompliance, unwillingness to participate. It is a
6 very interesting phenomenon and if we have time and
7 you are interested I could show you there is good
8 empirical data to show that this group of people in
9 any country -- I can name ten countries where you can
10 make exactly the same observation, always end up doing
11 worse off than the placebo recipients who were willing
12 to take placebos. In theory, they should be exactly
13 the same with the same endpoint. Placebo recipients
14 get nothing. They get a placebo. But the people who
15 are enrolled to either get a placebo or an active
16 agent and do not comply always do worse off than those
17 who are placebo recipients who do comply. It is a
18 different group of people.

19 So what we do is we work intensively with
20 traditional community leaders. We educate them about
21 the issues. We answers questions usually in a very
22 open and formal discussion that may stretch for days
23 and multiple sessions. We try to obtain their
24 approval. If we cannot we do not even start. And we
25 only consider leadership approval valid if they truly

1 represent the community and they are not somebody who
2 has been forced upon the community.

3 They then take on the responsibility of
4 explaining it to the community in the presence of our
5 own local field workers and colleagues. Even with
6 "community acceptance" every individual participant,
7 of course, has the right of refusal regardless of the
8 leader's position and people often exercise that
9 right. Almost invariably again these tend to be the
10 most traditional and conservative families within the
11 community and again they tend to be that group of
12 people who have the worst health indices to begin with
13 and who probably would have benefitted the most.

14 And even after you have done all that, things
15 can be still be stopped. We had a very large trial
16 that was about to get underway in the Philippines in
17 Albay Province. Since my name is Al everyone jokingly
18 called it "Al's bay." But, in fact, it is Albay
19 Province.

20 And we had spent literally a year-and-a-half
21 and probably \$3 million preparing this, had all the
22 leadership's approval, essentially all participants'
23 approval, and again in a rigorous and compulsive way
24 we were doing one more run through to be sure
25 everything was working right, and then -- and there

1 was actually a guerilla insurgency in the area, and we
2 were well respected.

3 People knew we were trying to help the people
4 so both -- when the army came and wanted our maps
5 because we have to map the villages we are working in
6 so we know where the children live, we would not give
7 the army our maps and we got the head of the army to
8 approve that because then the guerrillas, of course,
9 would have been after our field workers. The
10 guerrillas wanted us to do something. We said, "We
11 cannot do that."

12 One person, who was a physician, had come
13 down from the mountains and got on the radio and
14 essentially announced on the radio because you can buy
15 radio time in the Philippines and said that we are,
16 you know, American imperialism and were there to test
17 high dose vitamin A capsules on Filipino children
18 because we do not want to test them on American
19 children, forget that American children do not need
20 high dose vitamin A capsules, and that stopped the
21 study like that.

22 There was no way we could overcome that. I
23 flew there four times. I brought colleagues from
24 India, from Indonesia, from Bangladesh, who had worked
25 on similar studies. They knew what the reasons for

1 going forward with this were. The Ministry of Health
2 -- the Ministry of Health, of course, was in a battle
3 with the guerrillas. They said, "We are going forward
4 with this study over your dead body." I said, "Not
5 over my field workers' dead bodies you are not going
6 ahead with the study." And we just pulled out and
7 moved on and did the study in Nepal.

8 So it can be stopped very easily if there is
9 local opposition.

10 And then, of course, you always have to be
11 sure is the intervention safe. What do I use in a
12 very pragmatic sense when I am trying to think about
13 in my own mind outside of an IRB before I get to an
14 IRB, is this something I am willing to undertake, is
15 this something I feel comfortable doing.

16 Well, the first thing, which almost does not
17 even go into the equation because it is the first
18 thing, is this a safe thing to do? Am I putting
19 anybody at risk by giving them vitamin A or asking
20 them to wash their face and teaching them to do that?

21 So that is sort of the first criteria almost without
22 saying it.

23 The next and very important criterion to me
24 because again I am interested in getting programs
25 going that are effective in areas that have very

1 little health infrastructure and no programs. And so
2 I ask myself am I depriving anyone of a potentially
3 useful intervention that they might otherwise receive
4 if I were not carrying out this study? In other
5 words, I would be very uncomfortable going into -- I
6 would not do it, in fact -- going into an area where
7 there is an effective vitamin A distribution program
8 and saying, "I want to see if vitamin A really works.
9 Let's stop the program." I could not do that.

10 Now I have to tell you that there are ways to
11 get around that and people have done that and done
12 that effectively. Earlier in my life I worked at the
13 Cholera Research Laboratory, which was then in East
14 Pakistan and now in Bangladesh, and now has the
15 unpronounceable name of ISDDR but it will ever remain
16 in my brain as the Cholera Research Laboratory. And
17 the philosophy there was can we make an effective
18 cholera vaccine?

19 We knew that the existing cholera vaccine was
20 absolutely useless but the government had an official
21 policy of vaccinating everybody with cholera vaccine
22 and so while I was not involved in setting this up, I
23 was sort of the young kid on the block and just walked
24 into it, what they had done is set up an extensive and
25 elaborate system of local people who went around

1 basically and saw everybody every day and if anybody
2 had diarrhea a speed boat showed up within an hour and
3 took that person to a specially built hospital to
4 treat them for diarrhea. And if they had cholera,
5 cholera. Those people never got cholera vaccine and
6 that was a site in which we studied the epidemiology
7 of how did it transmit it itself and also the site at
8 which we tested alternative candidates for cholera
9 vaccine.

10 Now you could say, "But you deprived people
11 of a cholera vaccine." That is true. On the other
12 hand, as it turned out the cholera vaccine was,
13 indeed, useless and nobody died of cholera in this
14 area because the health infrastructure that was put in
15 place was so much better than anything that otherwise
16 exists. And, of course, that has never been
17 replicated anywhere outside that study area. It would
18 be far too expensive for the country to do that. So
19 we still keep seeking an effective cholera vaccine
20 since that is the only thing that is really going to
21 help the population at large.

22 I will tell you in the U.S. we have very
23 similar problems. Perhaps some of you have read the
24 paper about the continuing controversy over the number
25 of caesarean sections done in the United States. In

1 1970 five percent, one in 20 of all deliveries in the
2 United States were by caesarean section. Fifteen
3 years later by 1985, one in four, 25 percent. We had
4 a quintupling of the number of caesarean sections.

5 Now if any of you think that the physiognomy
6 of women changed dramatically in 15 years I would
7 argue with you about that. What changed -- one of the
8 major things of change was the introduction of an
9 unproven technology, fetal monitoring. You cannot
10 have a baby delivered in this country now without
11 fetal monitoring.

12 Now it turns out that some very smart and
13 diligent people have actually carried out now
14 subsequent to its introduction and dissemination
15 throughout our health infrastructure randomized trials
16 on the value of fetal monitoring. There have been 11
17 randomized trials. Not one of them has demonstrated
18 any benefit from fetal monitoring and we cannot turn
19 the machine off. It is too much a part of our culture
20 right now.

21 So we have the same sort of problems here.
22 So that is my first real pass. I am not hurting
23 anybody. I am not taking anything away that is useful
24 from anybody. So I am at least neutral to what the
25 situation was before I got there.

1 The next question I ask myself, which is sort
2 of icing on the cake in a way, will I help anybody. I
3 mean, if I am not going to hurt anybody, will I at
4 least be helping someone.

5 Well, as it turns out, of course, if I am
6 right in my assessment I will immediately help that
7 half of the children who are going to be the vitamin A
8 recipient arm of the trial. If it turns out that I am
9 right and it proves effective I am going to help the
10 other half of the trial because those children are now
11 for ethical reasons going to receive the same
12 intervention that the control children did. So that
13 is my next test.

14 My last test, which is the super icing on the
15 cake but it almost is -- I do not do it unless this is
16 reasonable and likely -- is if this trial turns out
17 positive, is there a reasonable likelihood that this
18 will change government policy because if there is that
19 is the only real reason for doing the trial. If there
20 is then all the children in Indonesia or the
21 Philippines or Nepal are going to get vitamin A. So I
22 have gone into a situation where nobody gets anything
23 and hopefully leave the situation now with all
24 children or as many children as the government can
25 afford to reach, reaching everybody.

1 I can tell you an interesting reverse example
2 where people, I think, got unnecessarily hung up on
3 ethical considerations as they understood them. There
4 was a major U.S. university that decided they wanted
5 to get into this vitamin A clinical trials business,
6 as it turned out, in Bangladesh, but they were so
7 contorted about their concerns.

8 One group would get vitamin A that might be
9 effective and the other group would get a placebo,
10 that they wanted to give the placebo recipients the
11 equivalent of what benefits might accrue from vitamin
12 A if vitamin A worked so they were going to give the
13 placebo recipients vaccines, clean water, ORS, you
14 know, pediatric follow-up examinations, what have you.

15 Even the Bengalis realized that is absurd
16 because any time you do a trial the first ethical
17 requirement is that it is going to work. If -- at
18 least the study design is appropriate. If you are
19 already giving the control arm so much that you know
20 this no longer represents the status quo, how will you
21 ever prove that, in fact, vitamin A did, indeed, work
22 and the Bengalis refused to go along with that study
23 design and that study was never done.

24 So then the icing on the cake and the whole
25 thing is will I affect the larger population? Now

1 that does raise another issue and one that I face
2 repeatedly and certainly within the vitamin A world,
3 and that is we have no formal stopping rules or in the
4 jargon that I made up in the letter that I sent you is
5 when is enough, enough. I mean, how many clinical
6 trials do you have to do before you are starting to
7 feel really uncomfortable doing any more even if the
8 whole world has not started to buy the story?

9 In Indonesia it took two or three clinical
10 trials of different design and nature for them to
11 decide that this is real and we are going to do it.
12 For the rest of the world, as I say, it took six
13 clinical trials to get going. I have already told you
14 the original observational study was ignored. The
15 first interventional study people objected to and that
16 becomes a real problem.

17 It also involves real believes, sometimes
18 valid, involving racial differences, although I am
19 convinced that most of these are often more racist
20 than they are racial. India will not accept a study
21 that was done in Indonesia. I will tell you that
22 right now. It does not matter how it was designed,
23 how eloquently it is conducted. They will not accept
24 a study that was done in Indonesia and they certainly
25 will not accept one done in Bangladesh and Nepal

1 because they consider themselves culturally superior
2 and if it has not been done in India then it has not
3 been done.

4 Africa will not accept the results from Asia
5 and, indeed, for a while Kenya was refusing to accept
6 the results from Ghana. That is when I called it
7 quits. I said, "I am sorry. You know, we have done
8 six in Asia. We have done one in Africa. I am not
9 doing any more of these trials. You guys are going to
10 have to work out whether or not you think it is
11 relevant and applicable to your population."

12 And then there are always personalities and
13 do not underestimate the role of personalities. There
14 is an individual, a very, very senior, no longer
15 scientist but one time scientist in India, who has had
16 a vendetta against the use of vitamin A from the first
17 observational study. I cannot tell you why since he
18 was, if you will, the father of the original vitamin A
19 work in India but he has enormous influence over
20 Indian scientists and policy makers.

21 And while India does have a vitamin A
22 distribution program, they try to keep it as quietly
23 as possible and they will not talk about it at major
24 meetings because they do not want this person to know
25 that they really do believe it works and they are

1 really trying to do something but the roof may fall in
2 on them if it should ever get out.

3 These things are real. I remember when I
4 worked at the Cholera Lab I was not involved with this
5 particular activity but that is where the use of oral
6 rehydration solution in order to combat high mortality
7 from diarrhea, particularly in children, was proven
8 for the first time and our guru and godfather was a
9 wonderful epidemiologist, a legend in his own time,
10 not only in his own mind, Alex Langmere.

11 And Alex chaired the advisory committee and
12 every time he came out, we said, "Gosh, isn't this
13 exciting? We just did this trial in this children and
14 we have just published this study in the Lancet that
15 oral rehydration therapy reduces diarrhea mortality
16 rates in children." He said, "Well, that is okay.
17 Six months from now I want to see one on oral
18 rehydration therapy reduces mortality in Nepalese
19 children and then six months later I want to see one
20 on oral rehydration therapy reduces mortality in
21 Indian adults."

22 And he was right. You know, the basic
23 philosophy he had was one study does not change
24 policy, at least rarely changes policy. You have got
25 to do it over and over and over again to convince

1 people and that, of course, raises ethical concerns
2 about if you think it works, how do you go off and do
3 these other things over again.

4 Acceptance by the wider community is, indeed,
5 a fickle thing. And their levels of data and
6 convincing that they need varies all the time. So I
7 have communicated it took six randomized trials and
8 the first observational study to convince people that
9 giving vitamin A to young children would significantly
10 reduce their mortality.

11 We did one trial, a very small hospital-based
12 study at a mission hospital in Tanzania because we
13 thought maybe if we looked at the very high measles
14 related deaths in Africa, and measles was a real major
15 problem in Africa with very high mortality rates, 12,
16 15, 20 percent, and so we said, "Gee, this looks a lot
17 like vitamin A deficiency. We will give half the kids
18 vitamin A and we will not give half the kids vitamin A
19 and we will see what happens." And we reduced measles
20 mortality by 50 percent. That was one small study.
21 It had 100 children in each arm.

22 Before I could even turn around that had
23 become an official WHO UNICEF recommendation that
24 every child with measles get two large doses of
25 vitamin A. Nobody asked me. If they had asked me I

1 would have said, "I did this study. I think that
2 study was right but I would sure -- you know, but it
3 could be due to chance. I would sure like to repeat
4 that at least one more time in a different setting in
5 a difficult culture."

6 I talked about again six studies to convince
7 people that giving vitamin A to children really made a
8 difference. A year ago we finished a study in Nepal
9 in which we gave smaller doses on a weekly basis to
10 women of childbearing age. The maternal mortality
11 rate or the mortality rate amongst women related to
12 pregnancy and delivery declined 50 percent. It is
13 only one study.

14 It immediately went around the world and
15 countries started planning programs and I am the one
16 who is saying, "Wait a minute, team. I mean, I am
17 really excited about this. I think Nepal needs to
18 have a program. There is no question given their
19 nutritional status, given their density of population,
20 given the infectious diseases, given their iron status
21 and anemia and what have you, it works there. But I
22 do not know that this is going to work in Africa or
23 even another Asian country. Don't you think we ought
24 to repeat this once?"

25 Well, everyone agreed. "Yes, I guess if you

1 want to bother to do it and can find the money to do
2 it. We are going out and doing programs."

3 I only point that out because they are wrong
4 and I am right but trying to keep some form of
5 consistent standard is not the way decisions are made.

6 Decisions are actually made by emotions, personality,
7 how people are feeling. Now in truth the maternal
8 mortality and the measles mortality was preconditioned
9 by now having shown a lot of people are giving vitamin
10 A to kids would stop mortality over the next six
11 months. So people were preconditioned to accept
12 something they would not have accepted earlier but was
13 it an adequate level of evidence?

14 To my way of thinking it was not adequate to
15 make global policy on it because remember global
16 policy of this nature is not recommending that your
17 doctor advise you to stop smoking. Global policy here
18 is telling poor countries to take limited resources
19 and invest them here as opposed to investing them
20 there.

21 So what would I suggest in some generic sense
22 for establishing stopping rules? I do not think it is
23 easy but one might consider some sort of international
24 body, not WHO or at least not WHO alone, some
25 international body combined with academic

1 representation that might periodically review all the
2 available evidence that relate to a specific issue and
3 then offer their "expert opinions" and function very
4 much like we have consensus panels. Now does it work?

5 Doesn't it work?

6 We did this in a very informal way. In 1992
7 I was convinced we had all the data we needed and I
8 was tired of doing these particular trials and
9 embarrassed to be doing any more. I was not going to
10 do any more. And so I convened a group of people who
11 had done trials, had not done trials, policy makers,
12 scientists at the Rockefeller Study Center in Pelagio
13 (?) and we took a whole week and we went through all
14 the data and people expressed their opinions and then
15 we came up with a consensus and we wrote it up and
16 then we all went out and wrote it up for our favorite
17 journals and it appeared in five or six journals, and
18 we created the policy. That stopped the debate.

19 Now that is not an infallible process and I
20 will not take the time and go into the various issues
21 but I will give you one example. One of the things
22 that helped is we had an outside person absolutely
23 unrelated to any of this work and very highly
24 respected, George Beaton of Canada, to go ahead and do
25 a meta-analysis of all the trials that have been done.

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Now the problems with meta-analysis -- meta-analysis is where you take every study and lump them all together and you say, "Well, all right. If we look at all the available evidence where does it come out?"

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There is a problem here. The problem is some studies are well done and some studies are poorly done and you almost cannot tell the difference by reading the article because by the time the author is done writing it up and the editors are done cleaning it up every study sounds like it was done in the highest standards.

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We knew two of the studies were absolutely horrendously done because we were out there trying to advise them and saw what was going on in the field but this was an independent exercise. We did not get involved in it. He included that.

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All the studies but these two found interventions that reduced mortality between roughly 35 and 50 percent. These two had no reductions in mortality which was not surprising since they kept on confusing which kids got placebos and which got vitamin A so on average everybody got a little of everything and we predicted there would be no

1 difference.

2 George Beaton having published that now says,
3 "If I had only known I would not have included those
4 two studies." But it is too late. It is out the
5 door. We did not want to influence it. We wanted it
6 to be absolutely clean. And so now everybody repeats
7 as a mantra that if you do a vitamin A intervention
8 trial you can expect a 20 percent reduction. Well, it
9 is a 20 percent reduction only because there were two
10 crummy studies that did not have any impact for
11 obvious reasons.

12 Ultimately one is balancing the potential
13 value of the outcomes to the local populous and all
14 those things that go around the costs and so forth in
15 having to come up with what is an ethically acceptable
16 design.

17 Let me finish by putting down, as Ruth
18 suggested I do, some criteria that I would suggest are
19 immutable. It does not matter where you are, where
20 you are doing the study. These are immutable in my
21 humble opinions. No one is ever forced to participate
22 against their will. I mean, we do not have to go back
23 further than Nuremburg to know that.

24 An original observational study and then in
25 this first clinical trial we did whole villages,

1 usually the most conservative and the most
2 politicized, and unfortunately those with the worst
3 health indices had the highest rates of refusal at the
4 individual level. Well, that was their right and they
5 refused and they did not participate. So that is
6 number one. Nobody is ever forced to participate.

7 The second one I think that is important is
8 that subjects should never be deprived of an
9 intervention that is already available just to study
10 whether or not it is effective unless you have really
11 good evidence that it may be harmful or its
12 ineffective but basically if you have what you believe
13 is an effective intervention you cannot stop it to see
14 if taking it away makes matters worse. That I would
15 consider a problem.

16 A trial should not be undertaken, at least I
17 would not undertake one, if the results, if positive,
18 would not be a viable candidate for intervention in
19 that society. So if what you are studying is too
20 expensive to be done there, if it is culturally
21 inappropriate or for any reason if it cannot inform
22 and does not have a reasonable chance of altering the
23 health policy of that country it is probably
24 inappropriate to do that there.

25 Now you cannot get guarantees ahead of time

1 that they will implement it because again, you know,
2 public health, public policy, it comes from the body
3 politic, lots of things are made -- decisions are made
4 in the political arena but nonetheless it should be
5 something that is a viable candidate within that
6 particular culture. And, of course, unless subjects
7 truly provide truly informed consent the intervention
8 must have a very high likelihood of at least being
9 safe.

10 Now I have my small short list of mutable
11 issues. Mutable issues would include degree and level
12 of individual informed consent. Often potential
13 participants are unaccustomed and culturally
14 disinclined to make individual decisions at least in
15 the way that we usually consider it, let alone sign
16 their name to something, which is often left to
17 communal leadership.

18 It does not in my experience stop individuals
19 from saying I am not doing this even though we all
20 agreed I would do it, I have changed my mind, that is
21 fair enough. But to expect the same level of
22 individual informed consent in my experience is really
23 unrealistic in most Third World settings.

24 In most instances it is as unethical to
25 provide controls with the best known interventions as

1 it is to provide the treatment arm with the best known
2 interventions for the same reason. That is if it
3 cannot be there after you are gone you have set up a
4 very unhappy situation. These are not viable,
5 sustainable options in this environment than a
6 transient introduction and their inevitable withdraw
7 causes not only ethical concerns but it causes huge
8 political and economic concerns.

9 And then Ruth also asked whether I had any
10 feelings about ethical obligations of sponsors.
11 Should they be ethically responsible for paying for
12 solutions if it proves to be effective? That is a
13 very difficult again sort of balancing act I think
14 that one has to think out in each situation.

15 If I had to encapsulate it I would do it as
16 this: It depends upon who the sponsor is and why they
17 are sponsoring the study. If the sponsor is a not-
18 for-profit organization, whether it is USAID or the
19 Ford Foundation or the Rockefeller Foundation, and if
20 the purpose is to find or demonstrate a cost effective
21 intervention to meet a pressing local health need in
22 that country then the answer is no, you cannot expect
23 them to then sponsor and pay for the intervention
24 after it has been proven. They cannot afford it.

25 The fact that they paid to conduct the study

1 on behalf of the local population is their
2 contribution. Besides, sustainable programs always
3 require government commitment, government resources,
4 and at least local resources and local ownership.

5 Even in the private sector institutions we
6 have seen examples where people have accepted
7 responsibility for this when they have not had to. Of
8 course, the classic example is Merck's provision of
9 ivermectin for anyone whoever needs it for as long as
10 they need it to fight river blindness. This is a major
11 commitment.

12 Now to be very honest with you, they did not
13 make that commitment under any ethical reasons. They
14 made that commitment because one of their scientists,
15 an old friend of mine who has now passed away,
16 Mohammed Asis, had the bright idea that this drug,
17 which was available for the agricultural industry,
18 might, in fact, prove effective and the magic bullet
19 for river blindness.

20 To their credit Merck allowed him to go ahead
21 and set up some trials which we participated in. We
22 carried out the earliest trials. And then when it
23 became apparent and they got all these headlines all
24 around the world that they had this drug that could
25 prevent this absolutely horrible scourge amongst

1 people who could not afford to buy anything they were
2 left in a pretty ticklish situation but what actually
3 -- at least according to Roy Vagellos (?), who is a
4 friend and was then the CEO and chair of Merck, for
5 him the decision rested on the fact that the ethics of
6 the country (sic) are that anything produced by Merck
7 Labs that will help humanity will get to humanity.
8 And the idea that they would not make it available
9 would be so de-stabilizing to the culture of Merck
10 Labs that he felt he had no choice.

11 I thought he had no choice because everybody
12 knew they had this drug and that they were going to be
13 morally bound but that -- and the good business sense
14 was not it.

15 I am watching another country -- another
16 company which I am trying to help through the process
17 -- address that now quite tentatively and that is
18 Pfizer.

19 Pfizer makes a drug called zithromycin or
20 zithromax as its name in the drug stores. This is a
21 phenomenally effective antibiotic. It is a
22 phenomenally expensive antibiotic and they make a lot
23 of money on this antibiotic because it is the primary
24 drug of choice for the treatment of sexually
25 transmitted diseases and upper respiratory infections.

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It also turns out that maybe one of the secrets to that SAFE five part strategy is through the elimination of trachoma but nobody in the trachomatous area could ever afford to buy zithromax, when it is one pill they only have to take once or twice a year.

And so they have with a lot of concern and a lot of safeguards because they are worried about slippage into their profit making market agreed to make the drug available in five countries and see how it goes as it were. And if they can do that without losing market from the areas where they do make a profit from it then they will continue the program.

The study is still on behalf of local people.

One would hope that as these companies have done other companies -- as some others have done -- will make effective drugs available at an affordable price but it cannot be a requirement since they are not doing it there on behalf of wealthy countries.

In contrast, and I know this is another thing you will be struggling with -- I do not struggle with it because I do not do this. In contrast, if a trial is being carried out in a poor country to prove something that is someone is going to make a lot of money on in a wealthy country but they are doing it in

1 a poor country because it is easier and cheaper to do
2 there then I think that has -- raises very, very
3 serious ethical concerns.

4 The last point, and that deals with who do
5 you talk to, what do you do for IRB's locally. I have
6 been in this business a long time so there are a lot
7 of countries where I have worked and set up studies
8 that have never had an IRB before we got there. We
9 take it as an ethical responsibility to work with them
10 in developing an IRB so we have started national
11 IRB's, sometimes located in joint ministries,
12 sometimes -- well, they are almost always located in
13 joint ministries but then with academic representation
14 totally local.

15 We try to bring in people totally unrelated
16 to our study who are involved in the IRB process to
17 advise them and help these things get going and many
18 of our studies -- perhaps the most important thing
19 they have done in the end is not left them with a new
20 health intervention but left them with a functioning
21 IRB process which they understand and they can use in
22 the future.

23 I am sorry I went over my time.

24 DR. SHAPIRO: Thank you very much. It has
25 been very interesting. I am sure there will be other

1 questions too but I have a particular question.

2 The examples you used seemed to be cases
3 where at least you felt there was very little, if any,
4 risk to the participants. Is that a fair
5 characterization?

6 DR. SOMMER: Yes, that is a fair statement.

7 DR. SHAPIRO: And you -- that is something,
8 which if I understood what you said, that you insist
9 on for the trials that you are involved in.

10 DR. SOMMER: Those are -- as it turns out,
11 those are the only times that I have been involved in
12 them but there are certainly other circumstances where
13 other people do other such trials and I am sure there
14 are valid reasons for doing them but that is why I
15 started by saying that to give you the fact that the
16 answers I am giving you are predicated only on the
17 areas where I have had experience and my experience
18 have been in those things where I have felt completely
19 safe.

20 You are saying have I purposefully avoided
21 things that --

22 DR. SHAPIRO: I am not saying. I am asking.

23 DR. SOMMER: It is a good question. I mean,
24 I must say I have never thought about it before. I
25 guess maybe I have.

1 DR. SHAPIRO: Okay. Other questions?

2 Alex and then Diane.

3 MR. CAPRON: A couple of questions to you. I
4 like to think of the kinds of things you said, which
5 are very helpful and the illustrations will be very
6 useful to us, as though you were writing our
7 recommendations. In other words, I would like to know
8 which of Dean Sommer's recommendations could just be
9 turned into NBAC ones.

10 And one of the things that you said is do not
11 remove anything that works. I was trying to put that
12 in the context of -- that you were speaking from where
13 health ministries find themselves hard pressed to pay
14 for any number of things, even something that you come
15 in saying will work.

16 And I wonder how you think you would describe
17 the process of reaching a trade off. Suppose there is
18 something which may work but maybe not as well as the
19 new thing that you are thinking about but is -- is
20 really quite expensive. And the ministry would be
21 happy not to be doing it if the work that you had done
22 say in another country, and you are trying to satisfy
23 the sense that you were describing of Nepal does not
24 want to go on Indonesian data, Kenya does not want to
25 go on maybe even Ghanian data or whatever, is there

1 any way of deciding the trade off between something
2 that works and something that works sufficiently well
3 for the price that you are paying?

4 There is a difference there.

5 DR. SOMMER: No, that is a very good -- that
6 is an excellent and a difficult issue. What would
7 make it easy -- I will tell you how I would work it
8 out, you know, sort of in a simplistic manner.
9 Usually if something is already being done then the
10 government or the society has made a decision they can
11 afford it. I have never been in a position where they
12 have said -- have I? Maybe I have. I have to think
13 about it.

14 A position where they have said, "We are
15 doing this. We know this is terrific but, boy, it
16 really is costly. We would like to know whether this
17 new thing would be almost as good and so what we are
18 willing to do is stop doing what we are doing that we
19 know is very good and see whether we can do half as
20 well but at one-tenth the price."

21 Those situations may come up. I suspect they
22 do not come up too often. I suspect what really --
23 the way it usually happens is, gee, we would like to
24 do what really is the best for our people but we know
25 we cannot afford to do that.

1 MR. CAPRON: I understand that.

2 DR. SOMMER: So what can we do for less
3 money?

4 MR. CAPRON: I understand but that is, in
5 effect, the easier case. The reason I ask is at the
6 very beginning of this process we had what I thought
7 was a fascinating presentation by a fellow from the
8 FDA about controlled trials.

9 DR. LO: Bob Temple.

10 MR. CAPRON: Yes. Bob Temple. Yes.

11 And I came away with the sense that the
12 argument in favor of placebo trials is very strong but
13 it has to be understood that what is really at issue
14 is cost versus ethics. That is to say if you had an
15 intervention of the type that I am thinking of that is
16 very expensive, the country has strained its
17 resources, does provide it, and you come in and say,
18 well, I have another thing which I believe will work
19 as well. It might not work quite as well but it costs
20 a hundredth what you spend. It is a simple vitamin
21 instead of something that requires medical care.

22 The tradeoff would be doing an active control
23 versus a placebo control and you would -- and from
24 what I got from that you just need a much bigger N.
25 In other words, the study would cost a lot more, take

1 more time, because the complications that the active
2 control adds in terms of the science of controlled
3 trials.

4 Now maybe I -- that is the message I came
5 away with and that seems to me a dollar versus --

6 DR. SOMMER: I do not see it that way.

7 MR. CAPRON: You do not see it that way.

8 DR. SOMMER: I know that. I have seen that
9 argument but that is not from -- let's forget the
10 question of cost for a minute and talk just about --
11 because that -- I mean you are using that as a way to
12 think about this but let's talk about the issues of
13 placebo versus nonplacebo trials.

14 I described to you an example where there was
15 nothing being done and we did not use a placebo, which
16 should in theory have been equivalent to nothing being
17 done and we gave the other group therapy. So there is
18 the clearest, you know, there is no problem of
19 difference in -- it was not believed. It was not
20 believed because, you know, well, maybe the people who
21 are going around in the field noticed that there were
22 fewer deaths in this group and they can guess, you
23 know, they are not getting anything and they are not
24 reporting the data exactly the way -- you know, sort
25 of human emotions is coming in.

1 To me -- while I have heard the argument and
2 I am sure there is some validity to the business of
3 cost and there certainly is a validity to the issue of
4 sample size when you are looking to reduce something
5 that has already reduced an event by 50 percent and
6 you want to reduce another 50 percent, you need huge
7 sample sizes to do that because now you are looking
8 for a 25 percent effect. That is not to me the major
9 issue. To me the major issue is what do you compare
10 it with.

11 Let's say for argument's sake we are giving
12 everybody -- everybody gets prenatal care. There is
13 an obstetrician in every village. And the maternal
14 mortality rate is ten. Let's say ten. And I say, you
15 know, you really cannot afford an obstetrician. I
16 mean, they come to me and they say we cannot afford an
17 obstetrician in every village. We saw this vitamin A
18 thing in Nepal. Gee, if it could reduce maternal
19 mortality to only 20 we would accept 20 because there
20 is no way we can do this 10 thing.

21 The problem is -- so you say, all right, we
22 are going to do it. We are going to do it -- run the
23 -- half the village is going to have an obstetrician
24 and half the village is just going to get vitamin A.
25 Well, let's say the vitamin A comes in at 23. Do I

1 know that is better than nothing? I do not know what
2 nothing is anymore. Everything else has changed in
3 the interim unless they just started the obstetricians
4 yesterday. So many other parameters change.

5 The reason for the placebo or the reason for
6 the control in the first place is to change one
7 parameter. That is why our observational study as
8 strong as it was, the kids and it was actually a nice
9 dose response effect, the more vitamin A deficient you
10 were the higher your mortality was, is not sufficient
11 to say if I give vitamin A I am going to reduce
12 mortality because maybe those kids have something else
13 that the same reason they are vitamin A deficient,
14 they also have these other things. Well, we do not
15 because -- so you have to change one parameter. That
16 is why you do a clinical trial. If you do not have a
17 placebo to compare with that you do not know whether
18 you have changed it better than baseline.

19 Now there are certainly situations -- you
20 know, that -- so you have set it up exactly -- the
21 situation where you would want to test it. You could
22 be in a position where you say we know this is very
23 effective but we think this cheaper thing is equally
24 effective.

25 Well, one could under certain safeguards and

1 rules come up with a scenario in which that would be
2 an appropriate way to do it but when you have
3 something that has been going on for a while and you
4 know is super effective you really do not know any
5 longer what noneffect really means. So that vitamin A
6 intervention could be reducing mortality by more than
7 50 percent but I will not know that because I do not
8 know what the baseline maternal mortality is any
9 longer.

10 MR. CAPRON: And you cannot test it. I mean,
11 it would be unethical at that point to remove the
12 obstetrician.

13 DR. SOMMER: Well, unless --

14 MR. CAPRON: If you are on placebo where you
15 are comparing --

16 DR. SOMMER: -- the government says -- unless
17 the government says we are out of here. You know, we
18 will give you one chance but we are out of here, we
19 cannot afford to do this. We have got to do something
20 about AIDS or we have got to do something about drug
21 resistant TB or we have got to put in a safe water
22 supply. We are out of here so if you want to do one
23 trial we will let you do it.

24 But if they are out of there I might as well
25 do the trial as a placebo controlled trial and then I

1 know exactly how much impact I have.

2 DR. SHAPIRO: Diane?

3 DR. SCOTT-JONES: Thank you for your very
4 interesting presentation. I was really interested in
5 your list of immutable criteria and then I think you
6 only gave us one thing that was mutable and that was
7 the degree and level of informed consent.

8 I was wondering if you have any --

9 DR. SOMMER: I was flying back from Beijing
10 at the time.

11 MR. CAPRON: But he gave us another one. He
12 said, "Do not use 'best' if it is not available
13 outside the trial."

14 DR. SCOTT-JONES: Okay. That is my flaw in
15 note taking then.

16 DR. SOMMER: Okay.

17 DR. SCOTT-JONES: But I was really interested
18 in this issue of informed consent and I was wondering
19 if you had any suggestions about what might be done to
20 help the process of informed consent and I was also
21 wondering whether you have thought about the issue of
22 parental consent given that you have done studies with
23 children.

24 DR. SOMMER: Yes. Well, parental consent is
25 obviously important. It is very hard to talk to an

1 infant and ask them whether or not they are willing to
2 participate in a trial.

3 I think, and again I can only go by my
4 personal, very practical experience, no theorizing
5 here, this is what works in the field and what seems
6 to make sense to me, the first level is we work hard
7 at making sure we have a well-informed local IRB
8 process. And it is not just for them to pass judgment
9 on it but also you get them actively involved in the
10 design and thinking through what is trying to be
11 accomplished and what have you because remember you
12 also want a reasonable feeling from the ministry,
13 maybe of commerce and maybe of health and maybe of
14 some other that if this works this may be something
15 that they -- is reasonable within their context.

16 So that you have informed knowledgeable,
17 local people to deal with in trying to think through
18 what is appropriate within this culture and then you
19 let them -- you encourage them to go down, spend time
20 in the field, talk to the -- you know, get to know --
21 because often the people sitting in Delhi or Katmandu
22 or Djakarta are having a -- they have less of a clue
23 of what it is like out there in the rural area than
24 you do because they never go out there even though
25 they will tell you their ancestral village is sort of

1 in the middle but they have not been there in five
2 generations.

3 You bring them out there. You have them meet
4 with the local people and you let them guide you
5 because ultimately they have to make the decision what
6 makes sense within this particular culture, this level
7 of literacy, this level of traditional belief, this
8 level of religious conservatism and what have you, and
9 if a guerilla does not come out of the mountains and
10 go on the radio and tell everybody that you are an
11 imperialist then you are lucky and you are doing what
12 is most appropriate.

13 We were doing what was considered by everyone
14 -- in the Philippines it is easy. It is a highly
15 educated society. It is highly literate. We did get
16 informed consent from everyone but the little kiddies
17 but there was just one person who basically could stop
18 the study cold by getting on the radio.

19 So I would use my local counterparts. So my
20 job is to make sure I have thoughtful, well-informed,
21 knowledgeable about the process local counterparts in
22 a functioning body and then use them.

23 Sometimes politics gets involved there, too,
24 and you find you have created a monster that you then
25 have to just work with because it is their culture and

1 their monster and they have to work it out but you get
2 personalities again and competing ministries and
3 ethical belief systems but that is the nature of doing
4 work in other cultures.

5 DR. SHAPIRO: Bette, and then Ruth.

6 DR. KRAMER: I would like you to talk a
7 little bit more about the local IRB's that you set up
8 and I am a little bit confused when you are talking
9 about working say in India, is that IRB going to be in
10 Delhi or is it going to be actually out in the
11 communities where you are working? And then talk
12 about, if you would -- when you talk about local
13 membership, a representative membership from the local
14 community, what does that look like? Does it -- are
15 there representatives from the actual population that
16 you will be testing or do you have to work with just
17 those people who have a high level of understanding?

18 DR. SOMMER: Now that is a very good
19 question.

20 India is a different kettle of fish. India
21 has a highly sophisticated -- unfortunately, a highly
22 politicized medical establishment, the Indian Council
23 for Medical Research, and everything that goes on at a
24 national level, although we have gotten away with
25 doing things at a state level because they really are

1 so politicized, goes through the Indian Council for
2 Medical Research and you do not even begin to start to
3 tell them what to do. You are lucky if you get to say
4 two words about the study design.

5 On the other hand, when we work at the local
6 level in India we are able to avoid the Indian Council
7 for Medical Research. Not because they are not smart
8 people but just because it is such a highly
9 politicized process. We work with the local
10 government and local university, you know, and the
11 local leadership to set up the IRB.

12 We do not always have -- as far as I can
13 recall and I would have to check. I do not think we
14 always have somebody actually from the local populous
15 sitting on the IRB.

16 But in a way what happens is the study does
17 not go if the local leadership does not agree to it
18 and so the first thing that happens is the people
19 working on the local IRB, and we working along side
20 them, go out to the communities and, you know, this
21 may be 450 villages and we gather together for several
22 days and we pay the per diem for them to come.
23 Nothing -- you know, just to a local place and work
24 with the village leaders explaining the purpose, what
25 is supposed to be done, and they will say, "This is no

1 good. We cannot do it that way. What about this?
2 What about that?" And that will inform and change the
3 process.

4 So rather than having an individual sit on
5 the IRB, rather it is a dialogue that the nationals
6 have -- Usually almost always involving a local
7 institution that, you know, within the state or the
8 province -- have with the leadership of the
9 communities and then that process gets repeated within
10 each village with somebody going along with the leader
11 as he is or she is explaining it to the people in the
12 village and responding to them. And often that
13 changes the design and the process in which it goes
14 forward so it is not the IRB approved it and here we
15 go.

16 It is the IRB is one -- you know, it is the
17 first step. Their review is a first step and then
18 they review it with local people because you have to
19 get local buy in.

20 DR. KRAMER: Just a follow-up question.
21 Would that be different in Africa or it is the same
22 process?

23 DR. SOMMER: Well, we do it the same way. It
24 is sort of a standard routine we go through in every
25 place.

1 DR. SHAPIRO: Ruth?

2 DR. MACKLIN: Yes, I would like to follow-up
3 on Diane's question from your response with the
4 informed consent. There is no question that one has
5 to know something about the local customs, the
6 religion, the literacy, all of those background
7 information in trying to design an appropriate
8 informed consent.

9 But in a place where research has not been
10 done before or where it has rarely been done or where
11 this is now a population or a group that has not been
12 participants in research, asking -- one answer you are
13 likely to get or I am -- this is a question but I am -
14 -

15 DR. SOMMER: You are assuming.

16 DR. MACKLIN: -- assuming that you are likely
17 to get are answers about what is appropriate based on
18 what takes place in the practice of medicine. Not
19 what takes place in research but what takes place in
20 the practice of medicine.

21 So responses like patients trust their
22 doctors, doctors do not give too much information,
23 they usually decide for the patient, they do not tell,
24 you know, if they use placebos people would never
25 accept a research study, they do not acknowledge

1 uncertainty, all of those kinds of things which maybe
2 the local situation in the practice of medicine would
3 misunderstand and misrepresent the research context.

4 So how would you respond, that is that what
5 you would end up doing is lowering a standard of
6 informed consent or of disclosure and informed consent
7 in the research context by using as the model the
8 answers that you get to these questions, the model of
9 what is done in the practice of medicine.

10 DR. SOMMER: Well, that is real easy actually
11 because in most of these cultures nobody has a doctor.

12 There is no doctor-patient relationship. I mean the
13 best they ever get to is stand in a long line in a
14 clinic to see a nurse's aide who then gives them a
15 pill. I mean, the whole context of your question is
16 out of context of the places where we usually do these
17 studies.

18 And even when you are doing it in urban areas
19 where, in theory, there are some doctors, again the
20 issues we are talking about are almost always societal
21 public health issues which means a public health
22 government response. Your study subjects are almost
23 always people who have almost no access to traditional
24 health care.

25 Now often in the course of our work we will

1 provide access to health just because we feel we have
2 to do that even though it may go away when we go away
3 so in the vitamin A trials in Nepal we have set up an
4 eye clinic. I mean, how can we not -- they know we
5 are ophthalmologists, some of us. How can we not
6 treat eye disease when we are there?

7 I will give you an example -- you know, I
8 mean, this is -- you are dealing with certainly very
9 difficult issues. But let me tell you some of the
10 contortions we go through to meet our own ethical
11 standards. One example I think is worth a thousand
12 words and I do not know how you will take this but let
13 me give you one example.

14 There are two things we want to learn about
15 vitamin A in childhood and that was, one, mortality,
16 that is sort of the end result, and the other was
17 morbidity. How much impact did it have on the
18 frequency with which you get diarrhea or the frequency
19 with which you get -- you know, on one hand we know,
20 yes, you are more likely to die of diarrhea and you
21 are more likely to die immediately. But how much more
22 likely are you to get these and how much more severe
23 are they likely to be and so forth?

24 Now the problem, of course, is in doing a
25 morbidity study you have to examine the children

1 fairly frequently because, you know, they may get one
2 diarrheal episode a week or two weeks so you have to
3 see them every couple of days.

4 Well, if you nested the morbidity study
5 within the mortality study you would be treating all
6 the kids who got sick. If you treat all the kids who
7 get sick nobody dies. If nobody dies you cannot tell
8 whether vitamin A reduced mortality or not. So you
9 play this game of I will do the morbidity study over
10 here and I will watch those kids every other day. I
11 do the mortality study over here. We have untrained
12 people go out and give them vitamin A and they do not
13 come back for a year because I do not want to know
14 what goes on.

15 Now at the baseline when we give them the
16 vitamin A if the kid obviously is vitamin A deficient
17 we give them vitamin A and we drop them from the study
18 because if we know a child is vitamin A deficient it
19 would be unethical not to treat them. But what we do
20 not see we do not know and so we deliberately set up
21 this straw man, if you will, of we cannot look because
22 if we look it becomes unethical to do the study.

23 That is the reality of the things we are
24 doing and if we do not do the study then, of course,
25 nobody gets any vitamin A anywhere.

1 DR. SHAPIRO: Bernie, then Alex, and let's
2 keep the questions and answers short. We have to
3 break very shortly.

4 DR. LO: I want to thank you for a very
5 interesting presentation and discussion.

6 I wanted to sort of ask you a question that
7 really pertained to the presentations that some of
8 your colleagues are going to make later today who have
9 actually tried to do field work looking at what are
10 some of the issues that come up particularly with
11 regard to informed consent.

12 One of the things that their preliminary work
13 has shown is that in many of these countries basic
14 conceptions of disease and pathophysiology are very
15 different. So when people do not believe in a germ
16 theory of a disease, who believe that you lose
17 vitality if people take your blood, how do you explain
18 -- are you able to explain basic things like
19 venipuncture and antibiotics in a way that makes sense
20 so that they can give something close to informed
21 consent on an individual level?

22 DR. SOMMER: That is a very good question. I
23 will take the chairman's point to heart and I will not
24 tell you an interesting story about cultural
25 beliefs of a highly intelligent, highly sophisticated

1 Swiss trained daughter of the Indonesian ambassador to
2 Australia who was convinced that her epilepsy was
3 because the local duquin (?) -- the local traditional
4 doctor who her father insisted she go back to the
5 village -- four generations -- I am going to tell you
6 the story -- four generations earlier, just looking at
7 her said the real problem was she did not take -- I
8 had given her drugs.

9 She did not take the drugs. And she went
10 back and a duquin said the real problem was that her
11 father, who is a prominent politician, had this enemy
12 and this enemy had sicced a spirit on him but they
13 were -- they had the same birth day and the spirit got
14 confused and was tackling -- attacking her. And it
15 took about six months and lots of grand mal seizures
16 before I could get her to go on appropriate treatment.

17 So we do not usually get into that. We --
18 because then you are fighting a belief system. We do
19 not want to fight a belief system. We simply say we
20 have this pill. We believe it is safe. We think it
21 may reduce the recurrence of the following thing. We
22 would like you to take it.

23 DR. LO: You do not even get into the --

24 DR. SOMMER: We do not even get into it
25 because it is beyond a belief and cultural system.

1 Are you going to start arguing with somebody whether
2 they are getting sick because of spirits or are they
3 getting sick because of germs?

4 DR. SHAPIRO: Alex?

5 MR. CAPRON: I was going to say I assume you
6 are telling me your pill works against spirits?

7 DR. SOMMER: I do not do that. That would be
8 unethical.

9 (Laughter.)

10 MR. CAPRON: I wanted to follow-up on your
11 second mutable principle about not using the best if
12 it is not available outside the trial. And I took
13 that to be -- and that is very much at the heart of
14 what a lot of the debate is, very much. And I took
15 that also to be behind the statement that was in your
16 letter to Eric Meslin in which you found that the
17 debate over the AZT trial was deeply polarizing
18 because it was launched in an entirely unprofessional
19 in many ways and unethical way by the individuals who
20 did not have experience.

21 And I want to ask you whether you have a
22 basis you think for generalizing about the views of
23 people who do have experience? Your fellow
24 researchers, your fellow faculty and deans of the
25 schools of public health around the country, whether

1 you think you speak -- I mean, you were not purporting
2 to speak for any of them but is this a topic which has
3 -- on which there is a consensus within that community
4 on this issue or not?

5 DR. SOMMER: Well, I --

6 MR. CAPRON: I am asking. I am not
7 predisposing the answer is one way or the other.

8 DR. SOMMER: Right. Well, I cannot tell you.
9 I mean, I have not polled anyone. I could poll them.
10 I am president of the Association of Schools of
11 Public Health at this moment so I sort of chair this
12 meeting -- regular meeting of all the deans of the
13 schools of public health and I could ask that
14 question. But I know that during the discussions
15 certainly most people who chatted with -- I did not
16 hear anybody from the international research community
17 who are actually actively involved in research
18 supportive of the way in which things had been put
19 forward and the way in which they had been polarized.

20 The issues that were raised were important
21 issues and they could have yielded to a thoughtful
22 objective discussion. But particularly with Marcia
23 Angell equating it with Tuskegee was just
24 unprofessional, unethical and that she is still around
25 bothers me immensely.

1 MR. CAPRON: Well, I wonder if there is any
2 way for the staff to take you up on the offer you just
3 made --

4 DR. SOMMER: I would be happy to do that.

5 MR. CAPRON: -- in terms of framing -- I do
6 not want the issue to be Marcia Angell's credibility
7 or --

8 DR. SOMMER: No, no, no.

9 MR. CAPRON: -- whatever, but the issue of
10 whether on this basic question people with a lot of
11 experience -- I mean, we already have faced areas in
12 which probably most of the researchers in the field
13 disagree with the conclusion we came to about the way
14 certain research issues should be handled,
15 particularly on people with diminished capacity, that
16 particular report. I am not asking you to do this
17 because I then plan to --

18 DR. SOMMER: No, no, no. I understand what
19 you are saying.

20 MR. CAPRON: But I really would like to know
21 if there is a broad understanding of consensus on this
22 point --

23 DR. SOMMER: Let me ask you to do one thing.
24 Why don't you think about how you would like the
25 question phrased --

1 MR. CAPRON: Yes. Exactly.

2 DR. SOMMER: -- and it takes me one e-mail --
3 I have one button I have to push that goes to every
4 dean at every school of public health in the United
5 States and I will have you back the answer in two
6 days. So you think about exactly the question which
7 you --

8 DR. LO: It is an exponential --

9 MR. CAPRON: It is exponential.

10 DR. SHAPIRO: The last question --

11 MR. CAPRON: Thank you very much.

12 DR. SHAPIRO: Diane, the last question.

13 DR. SCOTT-JONES: I have a question. Just in
14 reflecting on the very useful information you have
15 told us today, you have said that a number of the
16 people who would be enrolled in these studies do not
17 have any real medical care to speak of but you also at
18 one point told us about some of the people with whom
19 you work who are disconnected from the villages and
20 would not know the village people.

21 So does that mean then that the people that
22 you enroll in the studies are always the lowest income
23 people in the country you go to and that the people --
24 they would not be like those people you described as
25 the ones who were disconnected from the villages and

1 who might be more westernized? Is it not just that we
2 are talking about international research but
3 international research with the poorest of a
4 particular country?

5 DR. SOMMER: What I am telling you from my
6 experience it is primarily the poorest people because
7 they are the ones who do not have access to doctors,
8 who do not wash their faces every day because they do
9 not have access to water, who have poor nutrition and
10 that is why they are vitamin A deficient. My research
11 has -- my overseas research as opposed to my domestic
12 research, which is quite different, but my overseas
13 research has primarily been concerned with the poorest
14 people and so your characterization would be correct
15 but it is with the poorest because it is their
16 problems that we are trying to address.

17 DR. SCOTT-JONES: And then I have a follow-up
18 question. You mentioned briefly that -- I think it
19 was a medical society in one of the countries was
20 politicized. And does that --

21 DR. SOMMER: It is not a society. It is the
22 official Indian -- it is their equivalent to --

23 DR. SCOTT-JONES: IRB?

24 DR. SOMMER: -- the NIH. No. It is their
25 equivalent to the NIH.

1 DR. SCOTT-JONES: NIH. And does that
2 politicization have something to do with socioeconomic
3 status differences? I was not quite clear what you
4 would have meant?

5 DR. SOMMER: No, it has to do with if you
6 knew India you would know it. It has to do with there
7 are a lot of smart people but very few positions for
8 them to occupy.

9 DR. SCOTT-JONES: Okay.

10 DR. SOMMER: So life starts out with trying
11 to pull down whoever else is competing with you or at
12 your level. It is an internal thing for them and it
13 has nothing to do with us. You just get caught up --
14 you are just one of the things that they can use to
15 beat somebody else over the head with.

16 DR. SCOTT-JONES: Okay.

17 DR. SOMMER: It is just a -- it is anybody
18 who has worked in India medical research knows this
19 well.

20 DR. SHAPIRO: Thank you very much. It has
21 been a very good presentation and we really enjoyed it
22 and very provocative in many ways. Thank you very
23 much.

24 We will take a ten minute break and then we
25 will only be about five minutes behind time because we

1 have an important panel coming up.

2 Thank you very much.

3 Around ten till we will get together.

4 (Whereupon, at 2:55 p.m., a break was taken.)

5 DR. SHAPIRO: Well, our colleagues will rue
6 the day they did not get back in the room quickly
7 enough because I want to proceed with our discussion.

8 As members can see we have quite a wonderful
9 group of people with us that have been doing work on
10 our behalf and are thinking on our behalf.

11 Ruth, should I turn this over to you? Do you
12 have some order you have in mind here?

13 COMMISSIONERS' DISCUSSION WITH CONSULTANTS
14 ON INTERNATIONAL RESEARCH PROJECT

15 DR. MACKLIN: Well, I actually thought --
16 well, we will ask for the presentations but it would
17 be better if I do not moderate since I will then be
18 going back and forth and it will not give the
19 Commissioners as much of a chance because I lack self-
20 control.

21 So if you or Eric or someone would do the
22 moderating I think the order can start at that end and
23 go to this end and then we should have -- the question
24 is should we have questions of each presenter because
25 remember the task is not so much to describe what you

1 have done because that is in the briefing book but to
2 say where you think the research that you have been
3 doing or will be doing or are in the process of doing
4 or have completed best fits in to the outline as it
5 currently exists?

6 DR. SHAPIRO: Well, what we will do is we
7 will go as you suggest, from my right to my left, and
8 I think we will try to have questions along with each
9 person because I think that will be more focused.
10 That relies on a certain amount of self-control and
11 constraint on behalf of the Commissioners as well as
12 our colleagues here but let's at least try it that
13 way.

14 Jeremy, why don't you go first?

15 DR. SUGARMAN: Thanks.

16 You have seen a draft of our final report and
17 I have already received some informal comments from
18 several of the Commissioners that I think will be
19 quite helpful in reshaping the next version.

20 One comment was to provide some more examples
21 so that the discussion can be a little richer about
22 how we got to the conclusions that we have offered.

23 Another was to provide the site visit
24 guidelines that we have prepared as an appendix and we
25 can certainly do that.

1 Another recommendation was to provide more
2 thorough going mechanisms of resolving some of the
3 issues at hand and I think we may have difficulty
4 meeting that for the sense that the study was not
5 designed necessarily to do that but it was to use the
6 opportunities to visit and meet with these
7 investigators and let their expertise shine in terms
8 of the different recommendations they had for how
9 human subjects research ought to be done when it is
10 conducted internationally and collaboratively.

11 With that said I think we can all certainly
12 look at the recommendations and see again if we can
13 add more of the voices of the folks with whom we have
14 spoke.

15 One of the overriding messages that I think
16 has already come across from the last outline to this
17 outline in how the report or our work can contribute
18 to the work of the Commission as a whole relates to
19 the fact that overall without a formal denominator in
20 its numerical sense that there is a bulk of research
21 that is conducted internationally that goes well, that
22 this work is going on all the time, people figure out
23 mechanisms that work well for all of the parties
24 involved.

25 And that message, I think, is an important

1 message that we read the headlines which are driven by
2 conflict, making situations, setting up opposites and
3 polar opposites when, in fact, it seems as if the
4 majority of research goes on, they are negotiated,
5 there is compromise, and if that messages comes
6 across, even though we again did not provide a
7 systematic survey to look at the denominator and make
8 that a formal claim, I think that is an important way
9 it will contribute to the report and an understanding
10 of the way that folks in these international settings
11 conceive of this research.

12 In terms of particular areas, if the outline
13 sticks in its current form, how could the findings
14 that we have relate to that? Well, under the informed
15 consent area I think it is easy to show how our work
16 relates to some of the findings on informed consent.
17 One of those relates to sort of larger meta issues and
18 some are practical issues.

19 The meta issues, I believe the last time I
20 spoke with the Commission I described an example
21 regarding placebo use and how investigators in one
22 country decided not to use placebos in a trial because
23 they realized that they could not obtain consent to do
24 that.

25 Now they recognized that we could call that

1 therapeutic misconception. They realized that it was
2 an insurmountable task, felt an obligation to obtain
3 informed consent in the way that we think of it here,
4 realized the futility of doing so, and so opted for a
5 different trial design.

6 Now that was a resolution that they came up
7 with and so the way to think about that problem was
8 not that they have got the same old problem of
9 therapeutic misconception that doctors and
10 investigators have here, it is that they really opted
11 -- they made a moral choice to go ahead and use an
12 alternative design sacrificing some kind of science.
13 I think that nuanced understanding of our information
14 would be helpful.

15 The second piece which came across quite
16 clearly, and I think is going to be a repetitive theme
17 throughout some of the other projects, are these
18 procedural elements of consent, which just seem funny.

19 They seem funny to cultures where the culture is not
20 driven by paper and formal written accountability.
21 They seem funny in cultures in which people do not
22 receive any piece of paper even at the time of their
23 birth or marriage.

24 And that some of the things that we require
25 in our current regulatory apparatus, while they make

1 an awful lot of sense for an ability to audit and to
2 track and for a society that revolves a bit more
3 around paper, can not only get in the way and seem
4 strange to participants, it can lead to selection bias
5 in the sense that some people are afraid of paper and
6 it can also actually cause harm to subjects.

7 Now there are provisions in the federal
8 regulations that if the consent document is the only
9 means of linking that to the subject and it is the
10 only way that they could be linked and that link would
11 cause harm, that is a very difficult decision for
12 IRB's to make or do not seem to when they are
13 conducting international research based on the limited
14 experiences that we had.

15 So at least with the informed consent area we
16 have some information that would be helpful.

17 In the justice area, and I think this is my
18 aside and comment on the -- based on the discussions
19 today -- I think there has been some -- in the
20 discussions that have happened today there has been
21 some confounding of issues of justice and issues of
22 risk/benefit. And I think that as you work on this
23 report a bit more some of the issues that are being
24 considered under risk/benefit are actually some
25 justice issues and I refer you to something that --

1 well, I mentioned actually the first time I spoke to
2 the Commission along with Anna Mastrionni and Jeffrey
3 Kahn about our work on our book on justice and
4 research.

5 Madison Powers' chapter specifically
6 addresses this area, which I think might be good
7 reading for your next meeting when you discuss this,
8 in that Madison outlines three areas following Wahlser
9 (?). He looks at three areas of justice and how that
10 has been applied to health care and research.

11 Specifically in access to health care issues we often
12 take an egalitarian approach to justice. In research
13 ethics we often take a libertarian approach to justice
14 setting up procedures for individuals to make choices.

15 And in public health we often use the utilitarian
16 approach to justice, weighing risks and benefits.

17 Now that worked all well and good until there
18 were changing claims about justice nationally and we
19 started to pay attention to why are people claiming
20 for access to trials instead of protection from it.
21 But in the international setting where public health
22 mixes and the spheres of health care mix, as you have
23 heard in many of the presentations today, it is no
24 surprise that there are different claims about justice
25 and some of those sound like risks and benefits.

1 I will not go into that in great detail but
2 the reasons why I could not -- I was having trouble
3 figuring out how I could stuff in some data into
4 helping the risk and benefit chapter was that I think
5 it is a little muddled right now and would benefit
6 from some teasing apart and thinking through those
7 design issues.

8 The justice issues -- I think a thorough
9 going notion of justice, our work provides some data
10 to inform that chapter in the sense of real
11 conversations about claims from the parts of
12 international collaborators to address questions that
13 are important to us, and this is not again surprising
14 but there are voices of people saying involve us from
15 the beginning. These are both practical complaints
16 and practical suggestions and I think we have some
17 data to support that.

18 And finally in sort of moving forward with
19 collaborative research I think one strong message that
20 contributes to that final chapter is one based on
21 accepting and trusting local investigators. They are
22 experts. They do care deeply in many cases about the
23 subjects that they are working with, the patients when
24 they are patients and subjects when they are subjects.

25 And the questioning from the United States'

1 perspective of what they are doing is often
2 interpreted as you do not trust us. And that even if
3 we go in to negotiate or collaborate it is not built
4 on a relationship of trust, which we know from other
5 work is important throughout the research enterprise.

6 And finally that if we do trust folks we
7 might be able to meet that standard of negotiation and
8 compromise without compromising areas where we are not
9 willing to compromise on our ethical standards.

10 So I hope that is the kind of comments you
11 wanted and I would be happy to answer any questions,
12 and I would very much welcome any comments you have
13 about how we might refine our draft version. We are
14 hoping to finish it in the next couple of weeks and
15 would like any comments, either now or some time soon,
16 of how to do that so we can meet your needs.

17 DR. SHAPIRO: Let me just ask a question on
18 the trust issue because I certainly understand the
19 feedback that you got and so on but I guess in this
20 country we decided that when you have a natural
21 conflict of interest trust is not good enough really
22 to rely on. You have to help people do what is right.

23 Therefore, we have reviews and so on and so forth.
24 But he is a well-meaning person, let me stipulate
25 that. Then how do you deal with that in these

1 countries? We do not accept trust here in that sense
2 for this kind of work.

3 DR. SUGARMAN: I am not sure about the degree
4 to which we accept trust or not in a research
5 enterprise. The MPA System, Multiple Project
6 Assurance System with institutions does in a sense
7 rely on trust. The institutions negotiate in most
8 cases with OPRR to be trusted to follow the
9 requirements.

10 Now I am not speaking with lots of moral
11 authority coming from Duke right now but I will say
12 that there is a --

13 DR. SHAPIRO: The source of the question.

14 DR. SUGARMAN: -- negotiation -- the
15 negotiation goes towards trusting folks and then
16 auditing in some cases where that is not the case.
17 The system would fall apart and require substantially
18 more resources if there was not an element of trust
19 that -- okay.

20 At the same time what does it mean to trust
21 others and other investigators? We asked some folks
22 when they raised this question is it different when
23 you collaborate with the United States compared to
24 when you collaborate with another nation? It was very
25 interesting that some of the European governments

1 trust local authorities and local investigators a bit
2 more. Now all these things could be tested in
3 quantitative studies and in more -- in other designs
4 to answer these questions. It was important that they
5 drew distinctions in that way.

6 DR. SHAPIRO: Other questions?

7 Yes, Ruth, then Bernie, then Diane.

8 DR. MACKLIN: I would like to have a little
9 more detail about the negotiation that you mentioned
10 and particular -- I mean rather than -- negotiation
11 rather than imposition or conflict. In particular, I
12 want to know who are the parties, where do the
13 differences lie and who are the parties in the
14 negotiation? It is going to make a difference in our
15 report whether it is a local or even national IRB in a
16 country where a study is being done and an IRB in the
17 United States or alternatively whether it is OPRR that
18 is one of the negotiating parties or whether it is the
19 researcher who has to negotiate with the Minister of
20 Health in the country?

21 Who are the parties? I mean, what -- if you
22 could give us just a little more about that and do you
23 think different things have to be said about different
24 parties in these negotiations?

25 DR. SUGARMAN: Yes. I think it is as usual a

1 tough question and I think what we heard that drove
2 our recommendations along these lines were the need to
3 negotiate first about simple things like the correct
4 translation of a consent document.

5 There is a habit -- I sit on the Family
6 Health International IRB and we have forms translated
7 into whatever the local language is and then back
8 translated and we check the back translation for
9 accuracy. It is the best we can do. Sure enough we
10 had examples uncovered in the field where the
11 translation of the consent document was so culturally
12 inappropriate and when they went back to the IRB's,
13 many different IRB's in the United States to try to
14 have that changed, they said, "No, that translates
15 okay."

16 Well, there were things like slang and
17 innuendo that were really insulting and I do not know
18 the particular word and it was a word -- again I am
19 trying to protect each of these places. It was a word
20 in one language which the back translation, which I am
21 sure was correct -- and it meant something about
22 somebody's mother when it was used in the field and
23 the IRB would not change it according to the
24 requirements and they said, "Well, we just do not have
25 to do this study."

1 These are the kind of stories that go a long
2 way to saying just listen to us, we really do want to
3 do this the right way.

4 Another example was related to consent form
5 use and retaining a consent document, and there were
6 at least two instances where those posed a danger to
7 people and this involved a negotiation with the CDC on
8 a project in which there were carbon copy forms which
9 were just -- in the local cultural in which they were
10 used just felt to be inappropriate, cumbersome and
11 placing them at risk. But there was no negotiation or
12 willingness to even come to the table to hear that
13 from the perspective of the folks with whom we spoke.

14
15 So who would you speak to? The suggestions
16 we received from the people with whom we spoke were
17 the investigators, the folks who were likely to be
18 like the subjects. We did not have an opportunity to
19 speak with many sort of Ministers of Health but they
20 may want to weigh in. Local IRB's, our IRB's would be
21 a good starting spot.

22 DR. SHAPIRO: Thank you.

23 Bernie?

24 DR. LO: Jeremy, I want to thank you for what
25 is really an enlightening and important piece of work.

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I would really like to encourage -- I think this applies to the rest of you as well, I have spoken to some of you at breaks. I would really like to encourage you all to develop more of some of the examples and give us more detail. You sort of tantalize us but what I would like to see is the examples developed in sufficiently enough detail so that we can use them as best practice models because you raise a lot of issues here on what to do when someone does not believe in the germ theory of disease or has cultural taboos about giving blood or does not understand the use of placebos.

If you could say a little more -- both about the setting because I think the setting is important, both the study and the culture, but also how that was resolved in a satisfactory way because as I try and probe more about this with people I think a lot of people can see that there are problems and difficulties but you ask them can you explain to me an example of how that was handled well or how it was resolved well as a model for someone else to use as a starting point, I think that could be a real contribution we make.

So it is real easy to give either --

1 highlight problems or make -- sort of general
2 recommendations, you know, be cultural appropriate and
3 be culturally sensitive but to actually give us some
4 examples.

5 Jeremy, you gave us a nice example where you
6 decided not to do -- the researchers decided not to do
7 the study. There must be other examples where you can
8 say, well, here is a way of explaining it that is
9 culturally appropriate and gets the gist of the
10 western idea without sacrificing something crucial in
11 the process.

12 DR. SUGARMAN: Well, thank you and I think
13 the need to provide that is I think obvious to us now
14 that we have got this first version out and we will
15 provide more examples.

16 The only hesitation we have been having in
17 developing the examples in as rich a detail as we
18 would like is the protection of the people with whom
19 we spoke and the countries from where they spoke.

20 I would hate for the story to tell in country
21 X this is what they do.

22 DR. LO: You do not have to use the country.
23 You can even change the details. I mean, to sort of
24 protect people. But to put it in a context where
25 people can say, well, this is an observational study

1 or it is a genetic study rather than a -- you know, a
2 vitamin pill study.

3 DR. SUGARMAN: Okay. That is helpful. That
4 helps clarify it.

5 DR. LO: Along the same lines if I may, on
6 the last page where you give recommendations you say
7 assessed formally whether there are any true cultural
8 barriers. And again if you could give us some
9 suggestions of how that is done and done well. What
10 are some ways in which researchers really do try and
11 assess where there are subjects -- where there are
12 barriers to conducting the research. What would you
13 suggest as sort of starting points? Again I think
14 that could be very constructive in sort of helping
15 researchers think through these issues.

16 DR. SHAPIRO: Diane?

17 DR. SCOTT-JONES: Jeremy, thanks for giving
18 us data that we can think about and I just have a few
19 questions about the process that you use to collect
20 the data. I was wondering who did the interviewing in
21 the eight sites. I imagine you did some or who were
22 the people who did them?

23 DR. SUGARMAN: Sure. Let me remind you of
24 our methods. What we proposed to do are intensive
25 case studies and rather than -- you know, Nancy Kass'

1 group will show you some information about some small
2 group conversations they had and then sort of formal
3 interviews.

4 We used a variety of techniques to try to
5 learn as much as we could about each of these places
6 and I went on one of the first site visits. Judith
7 Fortney went on one and Roberto Rivera went on
8 another. Each of us having experience working
9 internationally and had relationships with the people
10 who would provide us with insights into each group.

11 We spent several days in those sites talking
12 with anyone who would talk to us based on who this
13 principal respondent told us to go speak with. And
14 some of them were informal conversations, some of them
15 were more formal conversations in which we used sites
16 visit guidelines to cover areas about what happens
17 when they do research internationally.

18 We then trained and Patty came down to help
19 train the other folks doing the subsequent five site
20 visits and they went out into the field to other
21 locations and had similar experiences, a little bit
22 more now with refined site guidelines, going ahead and
23 trying to have the same kinds of conversations with
24 folks.

25 As a result of those methods we learned an

1 awful lot. We learned a lot of things that we did not
2 expect to learn. We learned about the broad
3 enthusiasm for doing this and the fact that we were
4 asking for their expertise was met with great surprise
5 on their part and we were quite welcomed.

6 Roberto described a conversation that people
7 would not stop. They made him come to dinner with him
8 and kept him going for about a seven hour conversation
9 with a group.

10 So people wanted to talk about this stuff.

11 As we did not do tape recordings, we did not
12 -- we jotted field notes and that is why we do not
13 have the same kind of language of transcribed examples
14 to give you. We have flushed out stories and that was
15 a way to get this -- there is not much empirical
16 research out there and we wanted to make sure before
17 we structured a questionnaire kind of study that we
18 had adequate information to drive that.

19 Did that answer that, Diane?

20 DR. SCOTT-JONES: Yes. I just have a few
21 other questions. So within each country is there one
22 research site, one research group?

23 DR. SUGARMAN: We had a primary respondent in
24 each country and -- who would then give us sort of the
25 permission to go on and talk to other people who

1 aligned things up for us. The reason for that is if
2 you look at how the anthropologist would do this, one
3 would probably spend years in the field before being
4 able to collect these types of data. So what we
5 wanted to do is to try to provide a rapid answer by
6 building on relationships of trust. These are people
7 that collaborated either with Duke or with Family
8 Health International who is a subcontractor to this
9 study. So that there is -- that they knew that they
10 could trust -- trust the person visiting to provide
11 these sorts of information.

12 So we would start with one person at one
13 place but we were often brought around the city. We
14 were brought to different locations. It was --

15 DR. SCOTT-JONES: Okay. I am assuming that
16 you have put more of these details in your report
17 about exactly how you did it, right? We will get more
18 details.

19 DR. SUGARMAN: I think the methods -- we can
20 elaborate on the methods but again in order to provide
21 some protection of the persons with whom we spoke, no,
22 we will not. And I feel strongly about not saying we
23 went to this hospital and this is the way this
24 hospital did this or this is the way this doctor did
25 that because I think we could really do a disservice

1 to folks in ways that we are not sure and I do not
2 know what we would do with those data. I do not know
3 how it would inform our conclusion.

4 DR. SCOTT-JONES: Okay. Well, I was only
5 asking about details of method, not naming hospitals.

6 DR. SUGARMAN: Okay. Sure.

7 DR. SCOTT-JONES: And then my last question
8 is that you have eight countries and they range
9 alphabetically from Chile to the U.K., and I was
10 wondering if you were going to say anything about
11 countries because it would be a mistake on our part, I
12 think, to lump all other countries into international
13 research as if there is some monolith that, you know,
14 to do international research in any country is the
15 same as doing it in another. So would you be able to
16 capitalize on the range of countries that you have
17 represented?

18 DR. SUGARMAN: This is a -- I appreciate your
19 comments and I think we can certainly add to our
20 methods, and in our discussion of our methods I think
21 we can highlight why we elected to do this study in
22 this way.

23 I feel that tension and it is a sort of
24 standard tension of now asking for something that when
25 we obtained informed consent from the people with whom

1 we spoke we promised them in that consent process that
2 these are the kinds of things we would not describe.
3 We -- in terms of the individual that we would protect
4 them as individuals and I want to make sure that we do
5 that.

6 I do not know what kind of risks people face.

7 I know that these are -- that there are political
8 pressures to do research, that is their livelihood in
9 some ways. It is the protection of their
10 institutions. It is face saving in other places. And
11 I feel this tension about providing rich details of
12 what it looked like to sit in that particular clinic
13 or hospital and describe for you what was going on but
14 -- and then what does it mean if I was in a capital
15 city compared to in a smaller city.

16 The more details I provide -- and I do not
17 have to say that I was in an NBAC meeting but that I
18 was at a meeting at a big hotel chain and there was --
19 you know, there was a major weather disturbance and,
20 you know, I could provide you with enough facts that
21 it could be too easily pieced together.

22 So I do not know how to strike that tension
23 very well. From the comments I have been receiving I
24 guess we need to do more in terms of flushing out the
25 examples and I want to try to do it that way. And I

1 think we have tried to provide a limitation section
2 showing that this does not generalize to the world and
3 at the same time the reason you picked up exactly on
4 why we alphabetized it, we just wanted to give in the
5 most neutral way that these are some of the voices
6 that are heard around the world.

7 It is not meant to be a thorough going study
8 or evaluation. It is an exploratory descriptive study
9 to begin a conversation in ways that have not happened
10 previously. I do feel the tension there in every --
11 well, I cannot say pen stroke anymore but in every
12 keyboard stroke.

13 DR. SHAPIRO: Trish and Larry, short
14 questions, and then we are going to go on.

15 DR. BACKLAR: I am passing.

16 DR. SHAPIRO: That is what I call short.

17 DR. MIIKE: Just a comment on Diane's
18 question to you. I think that it needs to be made
19 clear what your study is about because so much of the
20 discussion here is about these countries in which we -
21 - the perception is that we are taking advantage of
22 and certainly we are not taking advantage of countries
23 like the U.K. or Japan. So your case studies need to
24 make that real clear that it is not typically
25 reflecting what most of the concern seems to be.

1 DR. SUGARMAN: Part of the reason we selected
2 the countries was to try to strike a balance and there
3 are tensions felt across these countries that are
4 similar and when we talk about the themes that go
5 across countries we try to make clear that this was
6 something that happened in one country versus -- we
7 tried to do it. Maybe it is too subtle and we may
8 need to draw that out. But I think you are exactly
9 right in interpreting that that way.

10 DR. SHAPIRO: Okay. Thank you very much and
11 I am sure there will be questions we have as time goes
12 on but let's give some of the others here a chance.

13 Patty?

14 DR. MARSHALL: The overall goal of my
15 contribution to this initiative is to look at cultural
16 context of informed consent and processes associated
17 with informed consent in international research.

18 I have three specific aims.

19 First, I am in the process of completing a
20 literature review on meanings and expressions of
21 individual autonomy, particularly in relation to
22 informed consent practices.

23 Second, I am nearly finished interviewing
24 investigators, a small number of investigators who are
25 conducting biomedical or behavioral research in

1 international settings. And these interviews get at
2 challenges they face in obtaining institutional review
3 for implementing the study and also the challenges
4 they face in obtaining informed consent in the field.

5 I am nearly finished with those interviews.

6 Third, I have completed a case study of
7 informed consent practices and institutional review
8 processes associated with ongoing studies looking at
9 genetic and environmental determinants of
10 hypertension, breast cancer and diabetes type II in
11 rural and urban Nigeria.

12 I think that my contribution to the project
13 probably has most relevance to chapters 2 and chapters
14 5 of the outline. Chapter 2 addresses informed
15 consent and disclosure practices and chapter 5 -- what
16 did we call it -- it relates to the international
17 collaborative research and some of the issues that
18 come up there with the review process.

19 Bernie, this morning, one of your comments --
20 in one of your comments you called attention to the
21 fact that some of the problems associated with
22 cultural diversity, with cultural differences, they
23 wind up being philosophical conundrums. I agree with
24 you completely. I have a strong personal interest in
25 the tension that exists between individual and social

1 agencies and their articulation in decisions that
2 people make specifically in relation to research.

3 But all of that aside, I think if you rotate
4 the question who has the authority to provide consent,
5 who has the authority to make a decision here, and ask
6 instead the question of how can we maximize the
7 opportunities for respecting for persons, for
8 respecting communities in the international research,
9 then to move beyond that place of a philosophical
10 conundrum.

11 I think that at that point then it is very
12 possible to begin to make recommendations, to think
13 about recommendations for opening up for expanding a
14 moral space for negotiating informed consent in
15 culturally diverse settings. I think that the data
16 that all of us are collecting -- Jeremy, with your
17 multicountry investigation and, Liza and Nancy Kass,
18 with your survey and the focus groups that you are
19 conducting, and my own case study and interviews and
20 literature review, I think that the information that
21 we are gathering does point us in the direction of
22 specific recommendations.

23 Bernie, you were asking earlier about -- you
24 want us to flush out in greater detail some of the
25 examples that we have given you in our very

1 preliminary reports and we -- I think that that goes
2 without saying. We can definitely do that.

3 Also I like your idea of focusing on what
4 works. What we are hearing about what works. For
5 example, in the genetic epidemiological studies the
6 investigators with whom I have spoke are struggling
7 with how to communicate very sophisticated scientific
8 concepts, things like genotyping, candidate genes,
9 when there are no words for these concepts in, for
10 example, Uraba, but they are doing it. They have
11 figured out a way to communicate with people who may
12 not have a sophisticated understanding of the germ
13 theory. They are talking about inheritability and so
14 on and it is working for them.

15 They are devising ways to obtain consent
16 beyond this process of community consent that I
17 discussed in the small synopsis that you received.

18 For example, I was talking at lunch about
19 this. In some cases, the hypertension -- the
20 hypertension study is an example where researchers
21 will meet with the potential subject and talk about
22 the study, provide them with an information sheet, and
23 then that individual will take the material home,
24 discuss it with whoever they want. If they cannot
25 read, usually there is someone in the neighborhood, if

1 not within their own household complex, that will be
2 able to read. An appointment is made to go back to
3 meet with that individual later and that is when the
4 consent is formalized and so it is a process of
5 consent and it is done to ensure greater protection of
6 the individuals involved.

7 I will stop there.

8 DR. SHAPIRO: Thank you very much.

9 Ruth?

10 DR. MACKLIN: Yes. Patty, thank you and we
11 will look forward to more detail as you continue.

12 My question pertains to the administrative
13 issues as you describe here and referred to it briefly
14 in your oral presentation, and what you said in your
15 comments just now was challenges of researchers in
16 obtaining institutional review.

17 DR. MARSHALL: Yes.

18 DR. MACKLIN: And in your -- in the written
19 report you refer to the process of obtaining approval
20 from ethical review committees, both the requirements
21 of funding agencies in the United States and at local
22 Nigerian institutions. So I think we -- if -- when
23 you can provide it, it would be extremely -- or maybe
24 you can tell us orally now, give us a few examples,
25 because there are likely to be different difficulties,

1 different challenges at the local Nigerian institution
2 from the U.S. funding agencies.

3 So if you could tell us maybe now if there is
4 anything --

5 DR. MARSHALL: This is a very simple example.

6 One of the investigators talked about his frustration
7 dealing with Washington over what was required of him
8 in relation to his local IRB. He did not have the
9 resources within his department to produce nine copies
10 of the protocol and he complained vigorously about the
11 lack of support. He did not have the help and he did
12 not have the money to effect this process successfully
13 but it was required of -- it was required by
14 Washington.

15 He also talked about his frustrations in
16 trying to put together a consent that would satisfy
17 Washington and simultaneously work for the community.

18
19 Finally sort of threw up his hands and said,
20 "Here, I am satisfying you in Washington, fine. Now I
21 need to make a plan for my community."

22 The local IRB would not necessarily have
23 required nine copies of the entire protocol and a
24 number of people were very frustrated with the details
25 required with the informed consent, written informed

1 consent. People were concerned about communicating
2 risks and were confused by why it is that here in the
3 United States we feel so strongly about communicating
4 to potential subjects things like, you know, you might
5 die if you participate in this study for say a
6 clinical protocol for cancer or something like that.

7 DR. MACKLIN: A follow-up quickly. I think
8 your response just now gets to a point that we will
9 probably have to address in some depth in the report
10 or I suggest we might and that is the distinction
11 between procedures and ethical standards.

12 DR. MARSHALL: Exactly.

13 DR. MACKLIN: Making nine copies is a
14 procedure.

15 DR. MARSHALL: Exactly.

16 DR. MACKLIN: I mean, whether it is required
17 or whether it is necessary, that is a procedure as I
18 argue but others disagree as is signing a consent
19 form. I mean, some of these are procedural
20 differences and things are spelled out, both
21 procedures and standards are spelled out in U.S.
22 federal regulations.

23 However, disclosure of risks to a subject and
24 if death is a probable or possible, that is a real
25 possibility, not a remote or as I see it often

1 described by scientists a "theoretical" possibility
2 rather than something that has been demonstrated
3 because it is known from experience or from existing
4 data then that goes to the question of the standard of
5 disclosure and to change that, what must be disclosed
6 simply because in the therapeutic context doctors do
7 not tell patients that, really does lower the standard
8 of disclosure in research.

9 So the question then becomes should the
10 standards that are employed in any country, in that
11 cultural context in the practice of medicine or what
12 doctors usually disclose to patients be taken as the
13 appropriate level of disclosure when what we are
14 talking about is disclosure about -- in a research
15 context?

16 DR. MARSHALL: Exactly. Exactly.

17 DR. SHAPIRO: Bernie?

18 DR. LO: Yes. Patty, I want to thank you. I
19 think all of you are doing wonderful work and it is
20 really helping us a lot think through these issues.

21 I want to follow-up on Ruth's comment
22 actually. I have been particularly thinking about
23 informed consent as I read these and not so much the
24 procedures of consent but the substantive standards
25 because all of you have identified what to me are sort

1 of red flag areas, things that we kind of take granted
2 although our subjects may not understand but which
3 really do not seem to make much sense in certain other
4 cultures. Some of them have to do with disease
5 beliefs like what is genetics, what is -- what causes
6 infectious disease. Some of them have to do with
7 research design. I mean, you have highlighted
8 placebos and randomization are hard to convey. And
9 some have to do with the nature of the doctor-patient
10 relationship, whether you disclose information or not.

11 I agree with Ruth. I am less concerned about
12 how many copies you xerox.

13 DR. MARSHALL: Exactly.

14 DR. LO: Than to sort of what -- how can you
15 explain some of these concepts in a language and in a
16 culture where they are not as familiar perhaps?

17 And I guess the second question really is
18 should we be explaining in the same level to subjects
19 in a developing country as we do here. So Ruth raised
20 a question of how much discrepancy between clinical
21 practice and research protocols do we want? And
22 earlier when I asked Dr. Sommer the question his -- I
23 mean, you know, we did not get into it in detail but,
24 you know, what he -- how he said he would explain the
25 studies he was doing, which admittedly are very

1 different studies than genetic research, you know, we
2 would have to ask does that fit our standards, our
3 image of what informed consent should be in a
4 normative sense?

5 I think those are some of the questions I
6 think we need to get at. Can we explain it in a way
7 that makes sense and, if we cannot, does that mean we
8 do not do the study?

9 That was your example, Jeremy.

10 Or do we somehow omit that part of it because
11 it really is not that essential that they understand
12 what genetics is as long as it has to do with a
13 disease that your parents might have had and you may
14 pass on to your children?

15 DR. MARSHALL: Exactly. Bernie, I think that
16 your question is actually relevant for research being
17 conducted in both international settings and here in
18 the United States and specifically I am talking about
19 our duty, our obligation to explain and make an
20 attempt to explain concepts that are relevant to the
21 research being conducted.

22 In Nigeria the investigators actually were --
23 although they were frustrated with this -- having to
24 meet the requirements for informed consent the United
25 States places on them, they were relieved. About

1 seven different investigators said to me how relieved
2 they were that people understood this notion of
3 inheritability so that it made their job easier in
4 figuring out a way to communicate that.

5 I personally believe that we do have an
6 obligation to make an attempt to explain to the best
7 of our ability what is happening in the study. I
8 think that it is not enough to say it would be too
9 difficult to explain. It does not work.

10 DR. LO: Yes. I think what would be most
11 helpful for us is if you could articulate for us how
12 the investigators that you talked to addressed that
13 issue, what are their concerns, how do they weigh it
14 so that we can get a sense of how they think through
15 that problem. That I think is another level for us to
16 decide whether their approach is one that should be
17 somehow adopted or incorporated into the
18 recommendations we make.

19 DR. MARSHALL: Another thing is investigators
20 I spoke to were reluctant to translate these concepts.

21 Even though it was frustrating they had figured out a
22 way to do it by talking about genes as the basic
23 structure of who you are and what you inherit from
24 your parents.

25 DR. SHAPIRO: Alex?

1 MR. CAPRON: I also want to thank Patty for
2 her preliminary paper and for her presentation and I
3 particularly would like to follow up on the point that
4 you were just making about the relevance to the U.S.
5 situation domestically of the same set of concerns.

6 And what I hear coming through is that there
7 is a sense that on many of these things we can have
8 examples of creative ways of explaining a technical
9 issue like inheritance that turns out can be
10 understood whether or not the words genetics or genome
11 or whatever are used.

12 But all of this, Ruth, goes to the question
13 of the information that is material to the individual
14 and it is here that I suspect that we have as many
15 problems unrecognized in much research that goes on in
16 the United States of researchers and their colleagues
17 and peers even if some of them are not officially from
18 the institute, who assume that certain information
19 will be material because it would be material to the
20 decisions that they make and particularly as we move
21 away from certain things which you philosophers call
22 primary goods, such as, I think, life and health
23 itself, which it may be that there is a small number
24 of people for whom life and health are of no interest
25 or value. They live entirely in a spiritual world and

1 they do not really care about their material
2 existence.

3 But for most people if you are to talk about
4 something that could have an adverse impact on their
5 health and life you could be pretty sure that is going
6 to be of interest to them. When we get to so many of
7 these things, particularly on a genetic epidemiology
8 study where the question is, well, what impact would
9 it be for you to know something or for others to know
10 if the others are your doctor or this research or
11 members of your family or your community.

12 We come to it with presuppositions about what
13 the relevance of that is and we domestically as well.

14 We say, oh, well, these are the concerns. We have
15 privacy concerns or whatever and there may be a whole
16 different set of concerns that never would have
17 occurred to us.

18 So it seems to me that what -- in terms of
19 mechanisms -- we ought to be thinking about or
20 emphasizing perhaps the importance -- and if your
21 illustrations help that, so much the better -- the
22 importance of realizing that we need to have some
23 means of knowing what the -- what is material to the
24 subjects.

25 And the question that Diane followed up with

1 Dr. Sommer about comes through here. If the
2 researchers in the host country are themselves a
3 member of an elite and if as to certain diseases, not
4 all diseases, they are diseases of the poor, the
5 illiterate, the uneducated, the disenfranchised, et
6 cetera, even there, there is no reason to think that
7 simply because you share a nationality and maybe an
8 ethnicity with your subjects that you actually
9 understand them.

10 But the emphasis that we could be thinking
11 about is how do we try to improve? Never ensure
12 perfection but try to improve the process of relevant
13 information being provided to people because if
14 someone pooh-pooh's the theoretical risk of death it
15 is because doing this kind of research no one has ever
16 died and it is irrelevant. But there are other
17 things that might be relevant but how do we figure out
18 what they are. I would hope that we could find some
19 grist in your mill to push us in that direction.

20 And then the question for the sponsoring
21 countries' academic IRB where the researcher is coming
22 from, the U.S. collaborator is coming from, is what
23 kind of documentation could the researcher in the
24 other countries submit to them to explain why some
25 things are in the consent form? Like we did a focus

1 group. Like we sat down with people who were among
2 the population we might be going to and we talked to
3 them about certain kinds of these problems.

4 And I refer you to an interesting discussion
5 in this paper that Gayla Frank and her colleagues had
6 in the Medical and Anthropology Quarterly about a year
7 ago from some research that was done in our center and
8 her concern was -- this was reporting a particular
9 interview in our study with a Korean woman around the
10 issues of advanced directives and dying. And the
11 researchers themselves were concerned that even
12 talking about these kinds of concerns in a community
13 in which it is not good for a real patient and a real
14 doctor to talk about them. It is sort of jinxing.
15 And they talked to the subjects first and they said,
16 "Can we talk about this?"

17 And they said, "Oh, yes, because the
18 questions you are going to ask are my hypothetical
19 opinion so I am willing to talk." It is not that I am
20 not willing to think about the genre of questions but
21 I would not expect in my own physician-patient
22 relationship for my physician to say to me this is
23 your diagnosis, the prognosis is very dire, what do
24 you want us to do because that -- as one woman said,
25 "It is not my choice. I am the patient."

1 DR. MARSHALL: Exactly.

2 MR. CAPRON: But you see what I am saying.
3 The only way to find out that is to go through that
4 kind of a process and find out what is relevant and
5 how people are able to -- anyway you get the point.

6 DR. MARSHALL: Alex, I know exactly the -- I
7 know what you are talking about by Gayla and others.
8 One of the things that you made me think about right
9 now is that, you know, there is information out there
10 about cultural differences in relation to truth
11 telling and disclosure of medical information and in
12 some cases it is very relevant to the kinds of
13 concerns that we have about disclosing in the context
14 of informed consent the informed consent dialogue.

15 Thanks.

16 MR. CAPRON: And just one other comment back
17 to Ruth on something that you said. I totally agree
18 with the notion that we cannot lift ethical
19 injunctions on people simply because medical practice
20 is not to do things. After all, in the United States
21 medical practice does not begin to rise to the level
22 in many fields that a good IRB would insist upon for
23 research. And we do not say, well, wait a second, we
24 ought to waive that because most doctors do not bother
25 to talk to their patients about this. We say we ought

1 to be educating the doctors to try to learn how to
2 talk about it instead of lowering the expectations.
3 So it is just as relevant here. I agree.

4 DR. SHAPIRO: Thank you.

5 Why don't we go on? We will come back. I
6 hope you will be able to stay because I hope we will
7 come back to the general discussion.

8 Liza?

9 DR. DAWSON: Okay. I will describe some of
10 the work that has been done so far and then some that
11 is forthcoming on Nancy Kass' project which I work on.

12 We have qualitative and quantitative data as
13 you can see from the briefing book report. We
14 included in the report a sample of the qualitative
15 data. It is very preliminary. And we also included
16 the survey instrument which will be our quantitative
17 piece and the survey has not been sent out so we have
18 no data on that.

19 I will start with a little bit of the
20 qualitative data. We did some small meetings with
21 researchers. We will be doing some one on one in-
22 depth interviews but we have not started those yet.
23 So the data so far is all from groups. And really the
24 themes running through these small groups, as you can
25 see from the report, address all of the major areas in

1 the outline from informed consent in the second
2 chapter of the outline to the justice issues and the
3 risk/benefit issues that are described in the next two
4 chapters of the outline.

5 We had a lot of comments from researchers who
6 were asked very open ended questions about what they
7 perceive to be important ethical issues in their
8 research and they generated a lot of substantive
9 comments and interesting comments on their own without
10 the need for much prompting.

11 Particularly they talked about the themes of
12 risk/benefit, what justifies doing a study, what
13 medical care should be provided to participants both
14 during and after a study. They also talked about the
15 larger sort of justice issues. Whose benefit is being
16 considered? This has been brought up already today.
17 Several researchers brought up the problem of whose
18 benefit are we talking about when we describe
19 risk/benefit. Is it the study participants
20 themselves? Is it a larger community? To whom does
21 the researcher have an obligation, a moral obligation?

22 So these issues were very real and very -- discussed
23 very intensively.

24 In addition, the outline discusses enhancing
25 international collaboration and that was also a common

1 theme. People particularly talked about the role of
2 local IRB's, the need for strong local IRB review,
3 what could be ways that the United States, either
4 regulations or practices, could enhance the review
5 rather than impede it or make it more difficult.

6 So there is really a lot of material which
7 addresses this wide range of topics and we did provide
8 a preliminary report so I will not go into too many
9 examples in the interest of time.

10 Then the themes and the concerns raised in
11 those small groups were used to help design the survey
12 instrument along with a lot of feedback from
13 colleagues at Johns Hopkins and from Jeremy and from
14 some other people who have helped us with their
15 comments on the survey instrument.

16 The themes are the same in the survey. It is
17 divided into sections. There is a section on consent.

18 There are sections on IRB review, both for the U.S.
19 and for the local review, which there may be more than
20 one local review. And there is a section on ethical
21 issues which covers a sort of sampling of different
22 ethical issues that some of them relate to the
23 "standard of care" problems. Some of them relate to
24 problems which may be similar in the United States as
25 they are in other countries about protecting interests

1 of research subjects and some of them are more
2 particular to the international setting.

3 And we have a section on recommendations at
4 the end of the survey which was derived largely from
5 researcher comments. We tried to pick and choose some
6 comments that seemed to capture ideas that were
7 relevant to researchers and changes they felt would be
8 productive either in the regulations, or in practices,
9 or in policies and give them a scale of agree or
10 disagree, you know, to express their opinions about
11 these recommendations.

12 There are some areas -- you know, obviously
13 we have organized the themes differently from the
14 outline that we have seen for the NBAC report and some
15 of the differences are just simply organizational and
16 then there are also some differences in substance that
17 are not major differences but there are a few
18 subtopics that were brought up in meetings that were
19 not brought up in the outline and vice versa.

20 For example, we did not hear people discuss
21 what exactly were local regulations in other countries
22 very much but we heard a lot more about local
23 practices in other countries. And we heard a lot
24 about the need for U.S. IRB's to have more
25 understanding and experience of international

1 research, which could go under the heading of
2 enhancing international collaborations, which I think
3 was a point implied in the outline but could be made
4 more detailed when we talk about what may be lacking
5 in the U.S. review process.

6 So there is one -- and there is one theme
7 that we did not put into the briefing book report
8 because we have not collected very much data on it but
9 it rather goes to the heart of some of the justice
10 questions, which is we asked -- in one small group we
11 asked the question why do you conduct your research in
12 developing countries as opposed to in the U.S.?

13 And we did not ask that in every group so in
14 the interest of sort of being fair to participants and
15 collecting a reasonable amount of data we did not
16 report on it yet but we plan to find out more about
17 that. It also is a survey question and we expect that
18 we will find a wide range of answers there which also
19 may be interesting in looking at the sort of macro
20 issues.

21 I will stop there.

22 DR. SHAPIRO: Thank you very much.

23 Any questions, members?

24 Ruth?

25 DR. MACKLIN: This is actually a question

1 addressed to everyone on the Commission -- everyone in
2 addition to Liza. The themes that you developed and
3 have reported so far in the qualitative study are the
4 same ones that you are going to do in the quantitative
5 study, right?

6 DR. DAWSON: Mm-hum.

7 DR. MACKLIN: The quantitative study then are
8 providing data as opposed to, I guess, stories,
9 narratives, examples, et cetera.

10 One of the reasons I think why people like to
11 see quantitative studies is that they tell you the
12 magnitude of the problem or how many people believe
13 this or that or the other rather than just having
14 illustrations and anecdotes.

15 Are the results of these quantitative studies
16 that you are doing, and you have got a large number of
17 respondents, and I guess this is to everybody, this is
18 my naive ignorant question, are they likely to have
19 some weight as a part of this report if the report
20 wants to recommend changes that might be fairly
21 significant changes? And by fairly significant I mean
22 something that would involve going back to Alex's
23 comments this morning, a change in the Common Rule or,
24 if not that, a change in some of the procedures that
25 are now undertaken either by local IRB's or by OPRR or

1 any other -- or by the funding agencies?

2 Is my question clear? In other words, if you
3 have sufficient data that a lot of people responded in
4 ways that would seem to call for a change in some of
5 these practices -- and I guess I am not talking about
6 the informed consent but a lot of the other issues --
7 would that carry -- be likely to carry weight?

8 I mean, Dean Sommer told us how many placebo
9 controlled trials he had to do in order to convince
10 people. Here we are having some studies on
11 quantitative data that might show something that has
12 really never been studied before and might demonstrate
13 that the present system is not working very well in
14 these international -- in the international
15 collaborative context.

16 DR. SUGARMAN: I think what the quantitative
17 data will give you from these are generalizability
18 about the extent to which the findings, these sort of
19 very rich findings from these qualitative studies,
20 have sort of highlighted with rich stories and
21 narratives because if we just happen to have talked to
22 people who had a good story to tell you would not want
23 to drive policy based on one good story or you might.
24 If it is a really good story you might want to drive
25 policy.

1 But I think in terms of policy the
2 generalizability question is one that is going to be
3 quite important to knowing whether the efforts into,
4 you know, giving the whole system a remake is sort of
5 warranted.

6 And it is to that issue of generalizability -
7 - I am anxiously awaiting the findings of probably the
8 first quantitative study to come out that is as
9 systematic as that and it will probably help in that
10 way but I do not think we are going to do this by
11 vote. So I do not think it is going to say that just
12 because 80 percent said this then we ought to have a
13 different rule because we can outline lots of reasons
14 when that sort of approach fails.

15 DR. DAWSON: Could I add a comment to that?

16 One of the few generalizations we were able
17 to make from our small meetings is that the
18 experiences of -- I am concurring with what you just
19 said. The experiences of researchers are so diverse.

20 I am sure everybody else has found that as well.
21 Developing country conditions are so diverse,
22 populations are different, the study designs, the
23 study procedures, everything is -- there is such a
24 wide variety.

25 In fact, I will just mention -- not to get

1 into huge detail but one feature of the survey that we
2 thought about very carefully with help from some
3 colleagues was we did not want to ask researchers,
4 okay, generally when you do your research, you know,
5 how is the local IRB because you cannot generalize.
6 You cannot generalize about five different studies in,
7 you know, three or four or five countries.

8 So what we did is ask people to describe a
9 particular study and so what -- and we asked -- we had
10 a reason -- you know, a criterion for how they would
11 select what study to talk about and to think about.
12 We asked them to describe one study in detail and then
13 at the end we have some general questions about their
14 attitudes and opinions.

15 So that way we hope to capture the diversity
16 one respondent at a time so that we will not have
17 necessarily an average response which says sometimes
18 it is hard and sometimes it is easy or whatever. You
19 know, every question would be a sometimes.

20 So I am sure there will be some points that
21 everybody is in, you know, 90 percent agreement and
22 then I bet a lot of the data will show really a huge
23 range.

24 DR. MARSHALL: Right. Thank you, Liza.

25 I want to build on what Liza just started to

1 discuss.

2 Surveys are only as good as the
3 qualifications around them, as the parameters around
4 them. In other words, the information that this
5 survey will collect will be relevant to the people who
6 respond to it and relevant to their experience. Most
7 of the respondents will probably be U.S. researchers.
8 Correct?

9 DR. DAWSON: Well, for our part and then
10 Noreen will discuss the international respondents.

11 DR. MARSHALL: And you do not know what the
12 response rate will be. Hopefully, it will be -- I
13 mean, that is a statistical issue but I do not think
14 the policy necessarily needs to be built around
15 response to a survey but there are limitations to both
16 qualitative and quantitative methods and I think you
17 have acknowledged some of them.

18 DR. DAWSON: Right. There will be some
19 strengths and weaknesses.

20 DR. MARSHALL: There is so much diversity.
21 Absolutely. There is so much diversity in the
22 experiences that people have with these
23 investigations. Earlier this afternoon Dr. Sommer was
24 discussing his experience and perhaps some other
25 people might have brought very different experiences

1 to the table, people involved in public health in
2 India even or Africa and some other countries.

3 DR. SHAPIRO: Trish?

4 DR. BACKLAR: I am wondering if it might be a
5 fatal flaw of the report, the fact that as I read
6 through this I only see that there are three
7 interviews with subjects and that no subjects are
8 being interviewed. What do you think, Ruth? I only
9 am concerned remembering our report -- capacity report
10 and the issue of making sure that we listen to and
11 heard the concerns not simply of the researchers but
12 of the participants.

13 DR. MACKLIN: I think we should ask our panel
14 of researchers and methodologists.

15 DR. BACKLAR: I am asking -- I am throwing it
16 out.

17 DR. MARSHALL: I recognize that when you are
18 referring to the three subjects that I interviewed in
19 the -- in Nigeria and I recognized even in relation to
20 those three individuals that they were selected for me
21 by -- I do not have any illusions about, you know,
22 particular biases. I mean, I was given --

23 DR. BACKLAR: Right. But I was actually
24 concerned that there were only -- I see only three
25 subjects who are subjects of research and I feel as

1 though that this is already becoming a very slanted
2 review and as I listen to the discussions that we had
3 this morning with researchers I am beginning to be a
4 little hot under the collar about this as though I
5 really do not know the story and as though we will be
6 perceived, which I would not wish to be, as wishing to
7 further research in developing countries. And we are
8 listening to the researchers problems and we are going
9 to fix it up for them.

10 DR. MARSHALL: One of the things that I might
11 be able to do -- I will be back in Nigeria early next
12 year and I could put together a focus group both in
13 Ibadan and Igbo-ora (?) that would include people who
14 have participated or are still participating in
15 studies, the genetic epidemiological studies if you
16 would be interested.

17 DR. SHAPIRO: I have quite a few people who
18 want to speak on the Commission. I have Alex, Diane
19 and then Bernie.

20 MR. CAPRON: I just wanted to highlight one
21 thing that was in your report. The suggestion that a
22 respondent spoke of the concept of a national IRB for
23 the United States and then said, well, actually he or
24 she did not really mean that because that would be too
25 big a work load or something.

1 If you think about institutional review
2 boards we are usually thinking about research that is
3 going to be done in the neighborhood of -- at the
4 institution that is doing the institutional review and
5 the IRB has two purposes.

6 One is to reflect the community's views in
7 some fashion, anything that might be peculiar to that
8 institution or to the community in which it resides.
9 And the other which is -- has both an up side and a
10 down side- is the institutional responsibility for the
11 research. That is to say that an institution does not
12 want to find itself having been the sponsor of, the
13 conductor of research that goes against or puts the
14 institution in a bad light.

15 And if a researcher from Johns Hopkins is
16 going off abroad to do research sponsored by CDC, both
17 of those concerns might arise but the first seems very
18 attenuated because it is no longer the population of
19 Baltimore that is going to be the Johns Hopkins'
20 researcher's subjects or people drawn to that campus
21 from across the country if it is a trial that is
22 drawing more broadly.

23 The second concern perhaps is still there,
24 the president of Johns Hopkins does not want to wake
25 up and find that the Sun has run an article about some

1 unethetical research that was being done by a member of
2 the faculty. But in a certain way what we are really
3 more concerned with are the U.S. regulations that have
4 certain expectations being complied with.

5 And it might be an issue for you to think
6 about, Ruth. Would there be -- would it make more
7 sense to say that the sponsoring agency ought to
8 convene an IRB that would look at projects sponsored
9 by it because in a certain way, whether it is CDC or
10 some branch of the NIH or I suppose Merck or Pfizer,
11 which probably do this already, they are perhaps
12 better situated to do that U.S. based thing rather
13 than having it go to the institution as it would
14 otherwise and are there occasions when we should not
15 be operating so much on the "I" in the IRB
16 institutional review board but we really are talking
17 about a national standard.

18 I just -- I thought it was an interesting
19 suggestion that that person put forward and something
20 worth thinking about.

21 DR. DAWSON: Could I just elaborate a little
22 on the actual comments that --

23 MR. CAPRON: Yes.

24 DR. DAWSON: I did not put them all in, in
25 detail, but in the group where that idea was brought

1 up the same concern was raised by another person that
2 you just raised about the need for a local sort of
3 understanding of the research in a locality but there
4 were a couple of reasons this particular researcher
5 suggested the national IRB concept.

6 One was the idea that research which was
7 rejected by one IRB could not be approved by another
8 IRB because there would be one national standard.

9 And -- well, really the same point stated
10 another way is just inconsistency. Two different
11 research protocols with similar concerns might be
12 reviewed entirely differently by two different IRB's.

13

14 So --

15 MR. CAPRON: Well, we know that happens
16 domestically.

17 DR. DAWSON: Right.

18 MR. CAPRON: And when people throw that at me
19 and say, therefore, the IRB system is useless because,
20 look, it comes to different results, I say, "Well, we
21 do not know. Maybe the reason institution A rejected
22 doing the research was based on factors which do not
23 exist at institution -- the other institution and we
24 should not be worried that one said yes and one said
25 no. That is because they are institutional review

1 boards taking into account the values of their
2 institution and the community in which they reside."

3 But in this case the local community is
4 really the host country and its IRB at a local level
5 or national level, whatever there is in that country
6 is supposed to be doing some of that work on the
7 population, what are the local values, et cetera,
8 side, and so I just think we need to think about it
9 and I welcome the fact that it was mentioned and
10 brought out in your report.

11 DR. SHAPIRO: Diane?

12 DR. SCOTT-JONES: I have a comment that I
13 would like to make about the methodology of the three
14 reports that we have read and heard about now and I
15 would also like to go from that to a comment about how
16 we might want to think about shaping up this report
17 and my comment on methodology has to do with a
18 difference among the three.

19 Patricia described her study site in great
20 detail and seemed quite comfortable speaking about the
21 site, naming it specifically when she talked about it,
22 and it seems to me that that is the great value of
23 qualitative research that it is richly contextualized
24 so that you know a lot about that particular instance.

25 You are giving up the generalizability but you are

1 gaining in a richly contextualized description.

2 But Jeremy's and Liza's projects disguised or
3 omitted specific names so that we do not know the
4 context and the reason that I think knowing the
5 context is important is once again that international
6 research covers a lot of stuff and Jeremy's sites
7 alone run the gamut of societies that are very much
8 like our's to societies that are not in many ways much
9 like our's.

10 It seems to me in reflecting on our day's
11 discussion so far that we have confounded
12 international research with research done on people of
13 color, people who are very much impoverished, and
14 there could be another genre of international research
15 that is done on affluent middle-income persons in
16 other societies that are like our's and that kind of
17 international research does go on.

18 So if in thinking about international
19 research we are only thinking about studies of people
20 of color in very poor countries then we probably
21 should start out framing the research that way because
22 it will lead us to think about different things and
23 also there are likely to be commonalities as I think
24 Larry pointed out earlier with research done in this
25 country with people who are impoverished and are

1 people of color.

2 So I think it is very important for us not to
3 lump international research into one bucket but to
4 think about the varieties of international research
5 that is occurring or that could occur.

6 DR. SUGARMAN: I think your points are
7 actually -- I do not care.

8 DR. MARSHALL: Go ahead.

9 DR. SUGARMAN: I think your points are --

10 DR. SHAPIRO: Quickly.

11 DR. SUGARMAN: -- are well stated and very
12 important to consider. Remember that each of these
13 studies brings you something completely different and
14 each study is constrained in the way it was
15 constructed for a variety of things to bring you
16 different voices and different pieces, and we would
17 like to do all the things in any one study but we just
18 cannot do it. We are going to try to give you as much
19 as we can constrained by what the methods can give us
20 in each case. At least, you know, we are going to
21 endeavor to do that and I am sure that these groups
22 will as well.

23 I can tell you that the conversation helps me
24 recall other examples that were not dominant themes,
25 and I can tell you that in one case I brought up in

1 the one country we went to where truth telling is not
2 a habit with cancer diagnosis, we were concerned that
3 this would be a big problem with informed consent
4 because if we cannot say the word "cancer" how can we
5 get informed consent for a cancer study. And it turns
6 out actually that the folks that they use as research
7 subjects are the wealthier folks who do not share that
8 notion of truth telling, it turns out, and so it is
9 the most wealthy and the highest SES folks who are
10 engaged in research. Whereas, they feel it is
11 inappropriate to do it for the same reasons as the
12 placebo in that they cannot get consent.

13 So there is a lot of this going on in here
14 and it is important that we highlight those issues as
15 well and I appreciate your comments.

16 DR. SHAPIRO: Any other comments before we go
17 to Bernie?

18 DR. DAWSON: Could I say something quickly?
19 We did -- for the same reasons Jeremy talked about, we
20 protected the confidentiality of our small group
21 meeting participants so that their studies and
22 experiences would not be identifiable. But one of the
23 virtues of the survey is that it is -- because it is
24 much more sort of anonymous -- I mean it is completely
25 anonymous in terms of data that we can ask more

1 details about studies and in an individual survey we
2 will have the country -- a description of the study,
3 the population, what is their literacy level, you
4 know, some different parameters that are relevant to
5 what you are talking about. So we will have an idea
6 of what the conditions really are for individual
7 research projects so it is just a different arm.

8 DR. SHAPIRO: Bernie, the last question and
9 then we are going to move on.

10 DR. LO: It is actually more a comment to
11 follow on Trish's concern about our gathering a lot of
12 information from researchers but not very much
13 information from the perspectives of subjects of
14 research in international studies. I share her
15 concerns and I guess at this point the question is, is
16 there some way of trying to get some of that
17 information in ways that would be useful?

18 I mean, Jeremy, you had a lot of experience
19 with the Radiation Commission going to institutions
20 and sort of getting research subjects or potential
21 research subjects on the spots that were not
22 preselected.

23 But I think --

24 DR. BACKLAR: I do not think Jeremy was here
25 when I was talking about this.

1 DR. LO: -- pointed out a real concern that -
2 -

3 DR. BACKLAR: I am concerned that there is no
4 --

5 DR. LO: -- our view of what is pertinent and
6 important and of concern to research subjects is all
7 filtered through the researchers.

8 DR. SHAPIRO: All right. Why don't we move
9 on?

10 Noreen?

11 DR. TEOH: Yes. Once again I am Noreen Teoh.
12 I work with Dr. Adnan Hyder who would love to be here
13 but unfortunately he has to be in Pakistan and he
14 said, "Please let me know when the next meeting is."
15 He really wants to be here.

16 As you may have already noticed from the
17 title of our project, it is a sister project of what
18 Liza and Nancy Kass are doing so I will not really
19 repeat what you she has already said for the sake of
20 time and also it is redundant but I will say again it
21 is qualitative and quantitative. Qualitative through
22 focus groups and in depth interviews. We have just
23 barely started. We have just started one focus group
24 and three interviews and we have just revealed some
25 patterns that are emerging in the report that we have

1 written to help you along with what we are already
2 seeing.

3 The quantitative side obviously will come
4 mostly from the survey part.

5 What I do want to address were some
6 interesting comments already made by the Commissioners
7 and what you said, Diane, about lumping the
8 international group as just one thing. What we are
9 doing with these surveys is we are going to -- based
10 on the numbers we are going to stratify the people we
11 are going to send it out to. There will be 300 people
12 on our survey list. Now I hope for the best in terms
13 of percentage response but we are doing our best to
14 stratify by region and we can tell from each survey --
15 on the first page it does say from which part of the
16 world you are right. I think it is like Latin
17 America, Caribbean, Africa or Asia or whatever. So
18 that is one aspect and we did already notice that that
19 was coming, what you were saying, so we have just
20 begun an extensive literature review.

21 How much we will get out of the literature
22 review I cannot tell you but we are doing our best to
23 go forward because we realize the survey and the focus
24 groups and the in depth interviews in themselves may
25 not be sufficient maybe. So we just want to be very

1 clear that we do cover that basis as well because I
2 think there is a lot of emerging information that is
3 now available about this and that countries are having
4 ethics issues coming up so I hope that kind of sort of
5 will help answer your concerns because Adnan and
6 myself are more in the international health arena in
7 terms of our background and we are very attentive to
8 that there are very big differences between regions
9 and even more within countries. So that is one.

10 And I want to address Trish's comment about
11 concern about not addressing the subjects themselves.

12 First of all, I was delighted that we were invited by
13 NBAC to even have this sister project, to even
14 interview and to study the developing country
15 researchers because I thought that that was a great
16 step. Sort of like in the business world they talk
17 about listening to your customer.

18 Although in this instance the customer is
19 really the subject in the indigenous country. I
20 thought this was a great -- one step forward that we
21 at least - are finding out the experiences and
22 attitudes of the people doing the research in the
23 developing world and how they perceive U.S. IRB's and
24 about ethical guidelines and their perceptions.

25 So I was attentive to what you were saying

1 and I had thought about that and I thought, my gosh,
2 this will take us to the year 2002 if we were to
3 include the subjects. I mean, you know, ideally I
4 would have loved to. So I just want to make that
5 comment.

6 Then I want to get back to Bernie's overall
7 theme all day. If anything I learned today in terms
8 of what I need to incorporate into our future focus
9 group guidelines and in depth interviews in particular
10 is to also come from what kind of solutions do you
11 have because I am now reviewing our guidelines
12 mentally.

13 I have not looked at it thoroughly since you
14 have spoken this morning. To really look at how we
15 have been even addressing the questions. The kind of
16 questions we are asking are what is your experience?
17 What is your opinion? What is your attitude about
18 U.S. IRBs or other IRBs that you have experience with?

19 Let's say the U.K. or the Swedish if that happens to
20 be the case.

21 So I hear that as a recommendation and I do
22 not -- I will take that on with Adnan and see how we
23 can incorporate that because we are still very early
24 in the game. We just started three months ago and we
25 are just setting up business and any recommendations

1 that you have for us to implement before we go too far
2 I appreciate that.

OT 3 So I hope I have covered enough ground with
4 what you have posed already to my colleagues so far.

5 Thank you.

6 DR. SHAPIRO: Thank you very much.

7 Bernie?

8 DR. LO: Again I wanted to thank you for what
9 is going to be a terrific study and I like the way it
10 is going to compliment what Liza and Nancy Kass are
11 doing.

12 I want to ask you some questions about IRB's,
13 page 7 of your document.

14 DR. TEOH: Right.

15 DR. LO: Because it struck me reading it that
16 IRB's are one of the sort of real keystones of how we
17 think research subjects are protected in this country
18 and in the first paragraph you said that participants
19 generally agree that review by local IRB is essential
20 but then all the rest of it is problems.

21 DR. TEOH: Right.

22 DR. LO: And I guess two issues. One, do
23 they generally think that local IRBs in the developing
24 country is beneficial and, secondly, are the types of
25 criticisms or shortcomings that you learned about any

1 different than what the situation is in this country?

2 I mean, I would imagine if you went into research in
3 this country and asked about IRBs you would get a lot
4 of -- you would get, you know, a lot of --

5 DR. TEOH: Right.

6 DR. LO: -- paragraphs about this is wrong
7 and this is wrong.

8 DR. TEOH: Right.

9 DR. LO: So I guess what I am trying to get a
10 sense of is how useful are they in developing
11 countries and is the situation there -- are they any
12 more effective or less effective elsewhere in the
13 world than they are here? That is a really hard thing
14 to generalize.

15 DR. TEOH: Yes. Like who do you ask to
16 compare that. You know, if I ask a developing
17 country researcher if they did not have any experience
18 in the U.S. how would they compare --

19 DR. LO: They all have to have had some
20 interaction with a U.S. IRB to get approval --

21 DR. TEOH: Yes.

22 DR. LO: -- for these studies. So do they
23 think we are more bureaucratic and they are kind of
24 naive? Somehow tie it together.

25 DR. SUGARMAN: You should take the data from

1 our findings on IRBs and probably incorporate some
2 items in your guidelines because we did find some
3 things about the sort of cultural clash of what an IRB
4 means. In some settings it is not appropriate to meet
5 and discuss another investigator's work because if you
6 did it you would be insulting that person and so it is
7 not viewed in the same way. So the actual meeting
8 caused personal -- the livelihood of the people on the
9 IRB. So they created IRBs to meet the Common Rule but
10 they would go around individually and the chair so
11 they would never really meet.

12 So they did not quite get there but they
13 tried and there were paperwork requirements and the
14 like that were criticized. So if you could find --
15 get some more systematic data in that regard I think
16 it would be very helpful. Some are substantive and
17 others are just procedural about what was positive
18 about the local IRB process.

19 DR. TEOH: Yes.

20 DR. LO: That would be useful.

21 DR. TEOH: That is great. Thank you.

22 DR. MACKLIN: And to add -- to build on that
23 and add other things that seem not to be very well
24 known about local IRBs in developing countries is what
25 are their methods of procedure. I mean, one of the --

1 some of the things we learned is they do not have
2 written procedures. Some go by consensus. Some
3 listen to the chair because the chair rules all. I
4 mean, all of these differences.

5 Who are the members? How are they selected?

6 Not how many people on it. I was interested to hear
7 -- and this goes actually -- I apologize to all of you
8 because I read all of these and cannot remember
9 everything that was in each person's report so my
10 apologies but in one of the reports it was noted that
11 the IRB members -- or there were questions about the
12 numbers of the members. I lost this thought that I
13 was going to -- but I guess the questions here are how
14 do they operate and what is known about -- oh, I know
15 what it was. It was how to find somebody
16 representative?

17 In one of the reports it was, gee, there is a
18 real problem because we do not know who is going to
19 represent the community. Well, in this country the
20 people who are the "community members" could hardly be
21 called representative and especially if the community
22 has different social groups, different racial or
23 religious groups, there cannot be any one individual.

24 So that is a kind of odd comment that suggests that
25 the notion of what it is to have a community member or

1 a representative is perhaps not well understood in
2 that context.

3 So if there is anything that we could learn
4 about the operation, the way members are selected,
5 more than just -- I mean, something systematic, I
6 think that would help enormously.

7 On the Ethical Review Committee of the UNAIDS
8 organization we see -- there is a requirement that the
9 UNAIDS has that for approval there has to be local
10 approval by the local ethical review committee. Our
11 committee, the Ethical Review Committee of UNAIDS has
12 absolutely no idea what those committees are, who is
13 on them, whether there is really a committee or a
14 single person who puts a stamp on it, that is the
15 authorizing official at a university.

16 So if we can get some more information about
17 that I think it would give us a richer picture not
18 only of the details of operation but how similar or
19 different are IRBs in the countries where the
20 researchers come from to our own.

21 MR. CAPRON: Do you think you could set your
22 wordprocessor when you are writing the report to
23 insert in random places a parenthetical "of course the
24 same is true domestically?"

25 (Laughter.)

1 DR. TEOH: Yes.

2 DR. MACKLIN: Well, domestically, though -- I
3 mean, here is a very big difference in this area.

4 MR. CAPRON: I do not mean everything is the
5 same.

6 DR. MACKLIN: Yes, I know. No, no, no.

7 MR. CAPRON: But actually how representative
8 they are, how they are appointed and detailed. It may
9 be buried in some assurance but it certainly is not
10 uniform institution to institution.

11 DR. MACKLIN: Right. Those things are not.

12 MR. CAPRON: You could generalize.

13 DR. MACKLIN: But they need --

14 MR. CAPRON: Does the chair dominate or not,
15 et cetera, et cetera.

16 DR. MACKLIN: Yes, right. So very different
17 --

18 MR. CAPRON: Right. Yes. All those problems
19 exist.

20 DR. SHAPIRO: This is a comment on the issue
21 that you raised before whether this report is focused
22 on poor people, people of color. Of course, a lot of
23 the testimony here today has been on examples of
24 exactly those kinds of societies but it was
25 interesting to me when I read Ruth's outline one of

1 the things about it was it focused on places that were
2 different from us because that is where we are more
3 likely to run into different kinds of issues.

4 They could be different not because they have
5 different diseases. They could be different because
6 they have different cultures. They could be different
7 because they have different risk/benefit ratios. So
8 there is lots of ways they are different and I thought
9 it was kind of helpful to look at it that way but I
10 think we ought to give that some more attention as we
11 go through but I think that is where additional
12 problems besides the one we have at the moment like
13 what do you call a research subject is a good example.

14 Well, that is no different here than elsewhere in a
15 lot of cases and so on. So it is an interesting
16 issue.

17 Larry?

18 DR. MIIKE: The reason I raised that issue
19 about we made it -- we better make it clear about
20 where we are at because if you read the beginning of
21 your talking outline it is heavily on developing
22 countries and so the implication is not that it is
23 international research across the board but this
24 difference in economics. I mean -- and I think that
25 that is where the main concern is.

1 DR. SCOTT-JONES: And I have another comment.

2 Also I think the concerns are even stronger when the
3 research being done in other countries is research
4 that could reasonably be done here. The research
5 presented by Al Sommer was research that could not
6 reasonably be done in the U.S. because it focused on a
7 condition that only existed in other countries.

8 There the ethical issues are not as
9 problematic as they are say in the perinatal
10 transmission of HIV because we have problems with that
11 here in the U.S. and you could do studies of it here
12 so it is -- and there are treatments available that
13 carry a price that is more bearable here although not
14 uniformly bearable in our society.

15 So the ethical issues are sharper in my view
16 in those -- in that instance than in the kinds of
17 research that Al described. So I think that we
18 somehow need to make distinctions among international
19 research and not just sort of treat it as one
20 monolithic category.

21 DR. MIIKE: I agree.

22 DR. SHAPIRO: I think we ought to -- Elisa is
23 sitting there patiently the last hour or so.

24 Why don't we turn to you and then we can see
25 what questions there are for anyone?

1 DR. EISEMAN: Okay. Well, my project is
2 quite different from all the projects you just heard
3 about and actually arose from a question that was
4 asked probably over a year ago by Alex, and that was
5 what is the federal government spending on
6 international research, and from that initial question
7 it has grown from just what is the federal government
8 spending into what is the private sector spending,
9 pharmaceutical companies, biotech companies, as well
10 as what is the private -- what are private foundations
11 spending.

12 The information I gave you today mainly
13 covers the federal funding because as I mentioned
14 earlier those are the numbers that are easier to get
15 my hands around but the intention is to fill out the
16 information to include those other sectors.

17 To address Ruth's main question to us, where
18 does this fit into the outline, that is a good
19 question. I think Ruth and I both have been
20 scratching our heads over how exactly will this
21 information fit into the outline. I think a lot of it
22 is background information and may end up in the
23 introduction or chapter 1, but I think I wanted to
24 tell you a little bit of the richness that is
25 contained in this data, beyond just the bottom line

1 number of this is how much is being funded, that may
2 actually fit throughout the report where we need facts
3 about where is the research being done and what types
4 of diseases are being studied.

5 The first thing I want to do also is qualify
6 the data that I gave you. It is a draft and it is
7 because even though the federal funding is easier to
8 get my hands around there are certain agencies that
9 are quite difficult to get information about. Two of
10 the main agencies that we are severely lacking
11 information about are the CDC and USAID, which are
12 very big players. That does not mean we cannot get
13 the information. It is just a little bit harder.

14 I talked to Majorie Spears today from CDC and
15 she has volunteered graciously to help obtain more
16 information about CDC. She told me briefly that there
17 is well over -- or at least 100 studies that the CDC
18 is involved in and, as you can see on the table I gave
19 you, we have only captured one study. So obviously
20 there is going to be a lot more information from CDC
21 as well as USAID. We are trying to pursue that
22 information.

23 But based on the information that we have so
24 far -- like I said I wanted to try to let you see some
25 of the richness that is contained in this data. For

1 example, within NIH at the National Institutes of
2 Allergy and Infectious Disease there has been 49
3 awards given. Twenty-one of those awards deal with
4 AIDS research, and one of the questions today was are
5 we only looking at the very prevalent diseases like
6 AIDS.

7 Well, in comparison, twenty-one awards are
8 also involved in other infectious diseases,
9 microbiological infectious diseases and stuff like
10 that. Also at USAID some of the awards that I pulled
11 out, over half of them were dealing with infectious
12 diseases other than AIDS such as malaria, TB, sleeping
13 sickness. So that type of information is contained
14 within the data that we have been pulling.

15 Also the question of where is the research
16 being done? Is it all being done in developing
17 countries or is there also research being done in
18 developed countries? The information that we have
19 pulled so far shows that there is research being done
20 in both places but it is quite interesting that there
21 is twice the number of awards in developing countries
22 as there are in developed countries as well as if --

23 DR. SHAPIRO: May I just ask a question about
24 that? I am sorry to interrupt you.

25 When NIH makes a grant to a British

1 researcher at Cambridge University who is going to
2 study something in India or somewhere, not in the U.K.

3 How does that get classified in this scheme?

4 DR. EISEMAN: That gets classified the way I
5 have classified it so far as where the research is
6 being done.

7 DR. SHAPIRO: Does the data contain
8 information, for example, on the number of subjects or
9 whether they are clinical trials or other kinds of
10 studies?

11 DR. EISEMAN: There is information contained
12 in some of the data that I have pulled about the types
13 of studies they are. I do think that it is going to
14 be difficult to classify each one as to whether it is
15 a clinical trial or a prevention trial because
16 information about all the studies is not going to be
17 available for that but I do have some information
18 about that, for example, within NCI at NIH, the
19 National Cancer Institute. Out of their 46 awards
20 that we found, 29 of them are in cancer prevention so
21 it is prevention studies and not clinical trials.

22 DR. SHAPIRO: Diane?

23 DR. SCOTT-JONES: I just have a question for
24 clarification about how our federal agencies can give
25 awards. Harold, in your example you mentioned giving

1 an award to a researcher in Cambridge, England, for
2 research done in India. My understanding is that
3 awards must go to a U.S. university or U.S.
4 institution. Is that wrong?

5 DR. SHAPIRO: That is not my understanding
6 but I am not the one to ask.

7 DR. SCOTT-JONES: That is my understanding at
8 NSF.

9 DR. KILLEN: Awards can go anywhere in the
10 world.

11 (Simultaneous discussion.)

12 DR. SCOTT-JONES: At NSF, at least in my
13 directorate, we only give them to U.S. researchers.
14 The collaborator in the other country has to work with
15 a U.S. researcher through the U.S. institution.

16 DR. EISEMAN: That is not necessarily true
17 with all of them.

18 DR. SCOTT-JONES: Okay. Because we do not do
19 research. We only support it and we give that support
20 to U.S. institutions.

21 DR. MESLIN: There are research review
22 requirements for NIH funds that will flow -- I do not
23 know if Christina Moore is here and wants to give any
24 more information on NIH. That was the only NIH person
25 I see here but as a former NIH'er I can tell you that

1 research can flow elsewhere and both study sections
2 and review requirements are in place to allow that to
3 happen.

4 DR. EISEMAN: And that -- we have that
5 information. So who the grant is going to, who the
6 award is going to, as well as where the research is
7 being done, and actually that leads to another area of
8 richness that hopefully we are trying to pull out of
9 this data is whether the research is done as a
10 collaboration between researchers say in the United
11 States and in another country or whether it is done as
12 a researcher from the United States going to that
13 country to do research. So there is different types
14 of ways research can be done and we are hoping to be
15 able to pull that information out as well to try to
16 get some more richness to this information.

17 DR. SHAPIRO: We interrupted you. I am
18 sorry. We will let you finish.

19 DR. EISEMAN: That is okay.

20 The only other thing I wanted to point to is
21 some preliminary data that I gave you from the
22 pharmaceutical industry. And I tried to make a note
23 that that is total R&D spending. That is not just
24 spending for human subjects research. But I think it
25 gives some ideas of the types of spending that is

1 going on looking at R&D spending versus sales and I do
2 not know exactly how to parse this data but I think
3 that there is some interesting trends in the data.

4 For example, if you look at the top country -
5 - the top region actually for R&D spending, which is
6 Western Europe for the pharmaceutical industry, they
7 are being funded about \$2.5 billion dollars in 1997.
8 And in comparison their sales were \$21 billion
9 dollars. That is about a tenfold increase or ten --
10 for each R&D dollar that is being spent they are
11 getting a tenfold return on their dollar.

12 But then if you look at some place like
13 Africa that is actually one of the lowest places for
14 R&D funding for the pharmaceutical industry at \$5.2
15 million their sales are \$680 million dollars. And if
16 you do the comparison there it is actually 130-fold
17 difference.

18 So whether there is some information in there
19 that we can pull out that may be research in Africa is
20 very cheap and then when they go back and sell the
21 pharmaceuticals that they have developed they are
22 getting a lot of money in return or whether there is
23 actually pharmaceuticals flowing back into these
24 countries and there is some kind of distributive
25 justice that can be buried in these numbers. Those

1 are the types of information that we are going to try
2 and pull out of these numbers as well.

3 And that is basically what I just wanted to
4 tell you today.

5 MR. CAPRON: Is the R&D money from what you
6 have seen of it broken down between bench science and
7 human trials because your NIH -- excuse me, your
8 federal funds are human subjects research?

9 DR. EISEMAN: Strictly human subjects
10 research and at this point --

11 MR. CAPRON: Which is what interests us.

12 DR. EISEMAN: Right. Exactly. And at this
13 point the only information we have about the
14 pharmaceutical industry is for total R&D but the
15 intention is to get rid of the bench science and only
16 focus on the human subjects research.

17 DR. SHAPIRO: Okay. Thank you very much.

18 I think now if there is any questions any
19 Commissioners have either for the panelists who are
20 here right and/or other thoughts that would be helpful
21 to Ruth as we try to take the next steps in this
22 project.

23 Larry?

24 DR. MIIKE: I just want to reiterate what
25 Trish and I were talking about and Trish's main

1 concern is that we have made recommendations in our
2 capacity report and in our biological report that
3 changes the way that we want to deal with human
4 subjects in the United States and I think there are
5 some things that we need to be careful about that we
6 are still in convergence with that when we talk about
7 the international report, particularly about the human
8 subjects protection or issues about community
9 involvement, et cetera, in our other -- in the second
10 report.

11 DR. BACKLAR: We discussed this during the
12 break. I am sorry I did not bring it up here.

13 DR. SHAPIRO: It is appropriate to reinforce
14 and not --

15 DR. BACKLAR: We do not want to come out
16 disagreeing with one position on one side of it.

17 DR. SHAPIRO: Alex?

18 MR. CAPRON: I think Bernie attempted to get
19 us to do this and I think we need to try to do it,
20 which is to come back to the point that Trish made.
21 There are certain reasons why we focused on
22 researchers because part of the question as we framed
23 it was are there from the viewpoint of people who do
24 the research barriers to doing the research are there
25 omissions that they have become aware of. It is

1 possible just by looking at research awards to figure
2 out what the community of researchers is. It is
3 obviously much harder to know what the community of
4 subjects is. But there certainly is information to
5 be gotten there.

6 When the President's Commission did its study
7 of informed consent we looked at what physicians
8 thought informed consent was but we did a very big
9 study, the biggest in dollar terms of all the studies
10 we did, on what the public thought and we did not --
11 we had the advantage there of not having to ask
12 patients.

13 We wanted to know what the public thinks
14 assuming that the average member of the public, him or
15 herself or through a child or parent or family member,
16 has been at some time to a physician and has some
17 sense. And we got some fairly startling things about
18 a lot of the cynicism on the part of the public about
19 what informed consent was all about. Mostly it was a
20 doctor's protection mechanism in their view.

21 I think some creativity in perhaps some of
22 the funds that will come with our renewal, I hope,
23 might be spent in this endeavor and I think if they
24 are not, at the very least if they are not, we ought
25 to design a research project even if we say we cannot

1 carry it out in time or fund it, and suggest that this
2 -- that before the recommendations that we come to are
3 implemented that others who are carrying on and
4 implementing our work ought to have some concern with
5 this, and that might be the kind of thing which the
6 Fogarty Center, which has a long-term interest in
7 international research, has given some thought to or
8 could be persuaded to give some thought to or other
9 groups. The Rockefeller Foundation was mentioned as a
10 historic funder of research abroad and it might also
11 be persuaded that this is something that would be
12 worth looking into.

13 And I do not know whether we could, in
14 effect, ask Yankelovich (?) or Harris or somebody else
15 to go to Uganda and do a public opinion poll. I bet
16 in a lot of these developing countries there are
17 mechanisms whereby a public opinion is sounded on
18 things and in a sophisticated way, which is beyond
19 just a yes/no survey of a telephone survey or
20 something which would be irrelevant in many of these
21 situations, it would be possible to get some answers
22 and it would be potentially quite illuminating.

23 It was certainly illuminating to me to find
24 out what the public thought about informed consent so
25 I do not want us to all nod, as Trish says, this is an

1 important topic and then move on and eight months from
2 now have no idea further about it and not even
3 indicate what it would be to know more about it.

4 DR. MACKLIN: One difference -- I mean, we
5 also should look at what the Radiation Committee
6 studied, the Subject Interview Study, for some
7 information but one difference that I would see in
8 what you describe, Alex, that the President's
9 Commission did, which was looking at taking -- finding
10 out what the public thought since most people --

11 MR. CAPRON: Oh, I agree. You cannot do it
12 that simply. You have to --

13 DR. MACKLIN: Yes, but most people in the
14 public have been patients at one time or another.

15 MR. CAPRON: Right.

16 DR. MACKLIN: And, therefore, have that
17 experience.

18 MR. CAPRON: Right.

19 DR. MACKLIN: Here it seems to me to find out
20 what people in developing countries think about --

21 MR. CAPRON: No, no, people who participated
22 in research.

23 DR. MACKLIN: -- people who have participated
24 in research.

25 MR. CAPRON: No, no, no. Certainly. No.

1 That is why I said you cannot just do a public opinion
2 poll. You have to go -- you would have to be able to
3 go to sites where research was done and it -- I do not
4 know, has any of the UNAIDS process involved -- I
5 mean, you went and had interviews in those countries.

6 You held meetings. To what extent were the people
7 who were coming to talk subjects as opposed to
8 researchers or government officials?

9 DR. MACKLIN: Well, these were mostly
10 workshops. I mean, the ones that led up to --

11 MR. CAPRON: Okay.

12 DR. MACKLIN: -- the guidance document.

13 MR. CAPRON: Right.

14 DR. MACKLIN: Which will be published any
15 day. Those were an array. They always included, as
16 very many AIDS activities do, always included persons
17 living with AIDS.

18 MR. CAPRON: Right.

19 DR. MACKLIN: And for the most part they are
20 or have been research subjects, and they always
21 include people from NGO's as they are called in other
22 countries, nongovernmental organizations.

23 MR. CAPRON: Right.

24 DR. MACKLIN: Usually health advocacy
25 organizations where the people who are the health

1 advocates, women's health advocates, AIDS health
2 advocates, et cetera, know a great deal but the focus
3 there was not really on the experiences of research
4 subjects so there are places you can tap into and --
5 especially because there do exist health advocates and
6 health advocacy groups in a lot of different countries
7 and that might be a route to take.

8 DR. BACKLAR: Would it be possible to do a
9 Radiation Committee type study that you did in a few
10 places with subjects?

11 DR. SUGARMAN: Trish, I can tell you --

12 DR. BACKLAR: A descriptive opinion study.

13 DR. SUGARMAN: Trish, I can tell you from
14 being the primary staff member responsible for
15 designing and conducting that study and Ruth being a
16 Commissioner for the Radiation Commission, I think
17 that the outcome of the study was that the data were
18 extraordinarily useful and very powerful and continue
19 to be powerful and are the most systematic data we
20 have.

21 The challenges inherent in doing such a
22 project are enormous. There are -- it is expensive.
23 It is time consuming. It is logistically quite
24 difficult even in the United States. And I am
25 intrigued by Alex's suggestion about proposing a

1 project but not doing it but in the sense that as you
2 continue to deliberate about what might be useful to
3 inform your deliberations you obviously want to get
4 the data that are going to be helpful. Otherwise it
5 does not make sense.

6 And you might want to think through doing
7 what we did in a phased sense in that we started our
8 study with focus groups the same way we started this
9 project and now we are getting it. That is about all
10 you might -- even with a stroke a good luck and a lot
11 of money you could probably get those data in time for
12 whatever your schedule is for this report and then use
13 that to design a systematic study that might be done
14 by another agency and I think that would go a long way
15 because we would even need those sorts of data.

16 The issues of translation are going to be
17 enormous. The issues of comparing site selection,
18 respondent burden, local IRB review, all of the things
19 that are going on. It is an enormous -- you will need
20 another power source.

21 DR. BACKLAR: You already have a descriptive
22 study in here where you were talking to researchers in
23 a nice array of countries. Is it not possible to tap
24 into them to get something like this done?

25 DR. SUGARMAN: Certainly. I mean, things are

1 possible. It would be to sort of find the subjects
2 and --

3 DR. BACKLAR: To go back to where you have
4 already been.

5 DR. SUGARMAN: Absolutely. If that is in the
6 interest there are ways of doing this and we could
7 think together about that. If that is where you go
8 and want to go through that, I would be happy to be a
9 part of that conversation. I think that there could
10 be a lot to be learned but again you will have to do
11 that -- to make those decisions in light of its costs
12 and its tempo and given some of the important
13 constraints that are placed on federally conducted
14 research, how fast that is going to be able to occur
15 is going to be dependent on a variety of factors
16 beyond the Commission's control.

17 MR. CAPRON: I did not think we had OMB
18 problems with focus groups.

19 DR. SUGARMAN: If we do --

20 DR. SCOTT-JONES: What? I am sorry. What?

21 MR. CAPRON: The OMB clearance concerns with
22 focus groups I thought were not as severe as with
23 research questionnaires.

24 DR. SUGARMAN: I believe if you -- yes, you
25 would have to check with OMB.

1 DR. SCOTT-JONES: It is complicated.

2 MR. CAPRON: I mean, the OMB barriers we
3 would be lucky to have a project designed and even
4 approved by the time this report is done much less
5 conducted and analyzed.

6 DR. MARSHALL: One of the differences between
7 conducting focus groups with investigators in
8 different countries in a way that I have done in
9 Nigeria and that you have done with the six different
10 groups and the state -- the eight state study, those
11 were conducted in English.

12 When I have done work just even in Nigeria
13 for this project, in some cases I have needed to have
14 a translator, someone who speaks, in my case, one of
15 the languages in Nigeria, Uruba, and it would be
16 possible for me to go back and to put together a group
17 -- a focus group of issues involved in these studies.

18 They would be foreign language speakers and
19 necessitate working through a translator. In this
20 case it would just be very specific, though. It would
21 not be -- you know, it would not be looking at an
22 array of patients involved in different sorts of
23 studies. Again it would just be one example.

24 DR. SHAPIRO: I just want to think through
25 what we are going to learn. It is not really quite so

1 obvious to me as it seems to everybody else sitting
2 around the table.

3 DR. MIIKE: Not to me.

4 DR. SHAPIRO: It is really of direct interest
5 to us.

6 DR. SHAPIRO: We are not sort of guardians of
7 those populations. That is their country's efforts.
8 I am sure there is something we can learn. It is not
9 at all obvious to me that there is something to learn
10 so central to what we are doing to sort of exert some
11 major effort. Maybe we want to think about it is all
12 I am saying.

13 MR. CAPRON: Well, I mean, just to begin a
14 conversation about what that might be. To what extent
15 do people involved in research really look to their
16 local researcher as their source of assurance that
17 what they are doing is okay as opposed to situations
18 in which there is a U.S. collaborator and being told
19 this was reviewed by a United States agency as well
20 and found to be okay? Is that an important source of
21 assurance to people or not? Do they feel that the
22 kinds of forms they have been presented with were
23 helpful to them or not?

24 Because if it turns out that those forms are
25 heavily driven by well-meaning but ineffectual U.S.

1 requirements and that we were to hear very uniformly -
2 - I mean, a focus group is only going to give you a
3 hint as to what you can found out. But if it were to
4 turn out on a larger study something, yes, absolutely,
5 these were much more useful than anything I ever hear
6 from my doctor and I felt that I understood whether or
7 not I wanted to go into it on that basis, or
8 conversely, no, I regarded this as window dressing
9 that was probably there for some requirement somebody
10 had and I just signed it without thinking about it.

11 I mean if you got strong results -- see, the
12 power of your results depend upon whether or not you
13 get dichotomous results or not. If you get sort of an
14 even mush across, no, you do not find out anything but
15 that is true of any study.

16 DR. SHAPIRO: Larry?

17 DR. MIIKE: I am just thinking about how we
18 started this meeting about the next schedule about how
19 we are going to be dealing with the study. Then I am
20 looking back at our biological materials report and we
21 did do focus groups in the United States on that, and
22 that took a long time and I am thinking about going
23 back to Africa and places like that. I just do not
24 see a convergence of that activity fitting what we
25 have decided already about the timetable for this

1 report. And I am actually looking for ways to
2 condense this study a little bit down but I always
3 seem to be on that end when we get into discussion.
4 You always want to enlarge things.

5 DR. SHAPIRO: Yes, I mean we should not make
6 any big decisions yet.

7 Liza?

8 DR. DAWSON: I appreciate all the concerns
9 about time and efficiency but I just wanted to point
10 out something interesting about the concept of
11 involving participants in the whole discussion, which
12 is -- has been brought up, I think, by Diane over here
13 and by other people, class differences between
14 researchers in other countries and participants, and
15 big cultural differences within countries, and the
16 fact that a lot of researchers who collaborate with
17 the U.S. may have a lot more in common with the U.S.
18 researchers than with the study population, and we
19 have heard that.

20 I am sure you have heard that from some of
21 your respondents and we have heard that they need a
22 translator and a intermediary between the local
23 researchers and the local populations, and that there
24 is a big divide there. So in a sense it is we are
25 interested in protecting the interests of those

1 subjects and the local investigators are also maybe
2 one or two steps removed from those people so not that
3 it may be --

4 DR. MIIKE: You are also describing --

5 DR. DAWSON: -- it may be not feasible.

6 DR. MIIKE: -- the United States.

7 DR. DAWSON: Exactly. Exactly. But I think
8 one of the things --

9 DR. MIIKE: I am not questioning the value.
10 I am just questioning the timing and --

11 DR. DAWSON: Right.

12 DR. MIIKE: -- just where we are --

13 DR. DAWSON: Right. But I think it goes back
14 to Diane's point about you cannot assume that
15 everybody in another country is all the same, you
16 cannot assume that all the different countries are the
17 same, and so participants -- you know, people in
18 Nigeria are not all the same.

19 DR. SCOTT-JONES: Exactly.

20 DR. DAWSON: And do not all have the same
21 voice.

22 DR. SCOTT-JONES: Right.

23 DR. DAWSON: So I think that is something
24 that is for the future.

25 DR. SCOTT-JONES: Exactly.

1 DR. BACKLAR: My concern -- my answer -- you
2 said how your question is what good will be done by
3 it.

4 DR. SHAPIRO: I was not sure, yes.

5 DR. BACKLAR: Okay. Then I cannot tell you
6 what good because when you do research you are not --
7 you have a hypothesis but if you are in equipoise you
8 do not know how it is going to come out. So I cannot
9 give -- I cannot answer your question but let me say -
10 - let me answer it in a negative. I am concerned that
11 if it is not done the report itself will be of less
12 value and I am thinking again of the Radiation
13 Committee and what a difference it made to have the
14 subject -- that descriptive study and how important
15 and valuable it was, and did you know that that was
16 what you were going to get? No.

17 DR. SUGARMAN: No.

18 DR. BACKLAR: Right. Of course.

19 DR. SUGARMAN: If it would be helpful we
20 could certainly give a presentation or at least it is
21 chapter 16 of the final report of the advisory
22 committee which at minimum one way to go and I would
23 be happy -- this is another one of the talks you can
24 give in your sleep but I would not try to do that even
25 if it is late in the day. But I would be happy or

1 Ruth Fadden can do this or any of the people that have
2 been engaged in this process, Nancy Kass could give a
3 talk of this. It would be helpful to the group and a
4 couple of the Commissioners like Ruth Macklin could
5 describe how that influenced her decision making, if
6 that would help inform this Commission's decision
7 making.

8 MR. CAPRON: Well, we can all read the
9 chapter. What I would think would be helpful would be
10 if you are willing, and the staff, to spend a little
11 time looking at that and saying how might it be
12 adopted -- adapted, excuse me, to this other context
13 in the kind of phased basis that I was mentioning --
14 recognizing, Larry, we do not have time to do the
15 whole study and we do not have the money and
16 everything else. But not yet answering the chairman's
17 question, well, exactly what do we know we are going
18 to get. We do not know.

19 DR. SHAPIRO: Well, I think there is no
20 question we would learn something if it was properly
21 designed. We would learn more at the end than we did
22 at the beginning. The question I have in my mind is
23 really a rather more strategic one and that is what am
24 I going to learn that is important given the focus of
25 this report and what we consider to be the most

1 important parts of what we are doing. I just want to
2 think that through. I do not know. I do not have an
3 answer myself.

4 MR. CAPRON: What I always think about is
5 sitting in your chair in front of a Senate committee
6 and your report has been the subject of this committee
7 hearing and the question is now I understand that your
8 recommendation is that the following changes should be
9 made in the regulations.

10 Why did you think those were important
11 changes to make? Was it an ethical dictate that
12 brought this to your mind? Well, no, it was not. It
13 was more grounded in the real world? Yes, it was.
14 Well, where did you go? Well, we went to researchers,
15 both domestic and foreign, and asked them what
16 problems they had with the regulations and some of
17 those problems seemed very convincing to us and so we
18 have made recommendations for alleviating those
19 problems. Now that is perfectly reasonable.

20 And then the senator next to him is going to
21 say, well, did you ask subjects what problems they had
22 in their experience with this research and you say,
23 no, we never did.

24 And it just seems to me that Trish is saying
25 we make our conclusions less useful taking into the

1 universe, less convincing and subject to a criticism
2 which we are not going to be able totally to evade --
3 avoid but we might at least identify that we recognize
4 that that was an issue and this is an area for further
5 thought by others in a follow on.

6 DR. SHAPIRO: I think we -- if what you are
7 saying is we have to have good reasons for anything we
8 recommend, I agree. You had a whole series of answers
9 in your questions.

10 (Simultaneous discussion.)

11 MR. CAPRON: I am describing a process that
12 we are going through.

13 DR. SHAPIRO: I understand.

14 MR. CAPRON: I mean, we had discussions
15 around here as to part of the reasons we are looking
16 at certain things is we know that there is friction on
17 those issues. They are points of friction in the
18 system. It does not run smoothly but we mostly know
19 that because researchers and some sponsors of research
20 complain that those points are friction points.

21 DR. SHAPIRO: Ruth?

22 DR. MACKLIN: Yes. I guess the question is
23 what are the boundaries of the report. We did not
24 think about -- and I did hope to get some responses
25 from the Commissioners before our chairman closes us

1 out for the day because we really have to know whether
2 --

3 DR. SHAPIRO: Five minutes.

4 DR. MACKLIN: -- well, we have to know
5 whether to follow the next steps as indeed we have set
6 them forth but as the present outline is constructed
7 it is not addressing the question are subjects
8 adequately protected, are subjects of research in
9 other countries adequately protected.

10 The question -- and that -- and I share with
11 Harold the concern about what we are going to learn
12 unless we add that to what is now here because it is
13 not in here. There are a lot of questions about
14 process and procedures. There are a lot of questions
15 about the smoothness of the research and there are
16 surely questions, the justice questions, namely do
17 people in the countries where the research has been
18 conducted benefit from the research after it is
19 completed.

20 But there is no part of this that actually
21 focuses on the question of adequate protections. Are
22 they harmed? Are they wronged? Except perhaps for
23 the informed consent. We get something from the
24 informed consent section of whether they are being
25 wronged. So we would have to add something to the

1 additional outline thereby expanding it beyond what is
2 now here and making it even more ambitious and in a
3 way change the focus or at least add an important
4 question.

5 So as many people around here have said, even
6 today, it is a question of what our research questions
7 are and what we want to find. We could always as in
8 any report make a disclaimer and say surely
9 information is needed about the responses and the
10 perceptions of research subjects in other countries.
11 This report did not try to do that but we think it
12 would be valuable but in the time and under the
13 constraints, et cetera, it was not here. So there are
14 ways of putting boundaries on the report but I think
15 we have to change a lot of -- actually the focus and
16 add something if we were going to get into the
17 question of how adequately are subjects protected.

18 DR. SHAPIRO: Bette?

19 DR. KRAMER: I would -- I do not see
20 expanding it beyond that because I am not sure at the
21 end of the day that we would be able to derive the
22 information or we would be able to derive sufficient
23 information to really be helpful.

24 One thing that occurs to me that we might do
25 is to be back in touch with the people who have

1 presented to us, people like the two doctors that
2 spoke this morning who are actually doing research
3 themselves, supervising research, and asking them --
4 get some feedback from them as to whether or not there
5 are ways, is it even possible -- is it even possible
6 to do if we had the time, if we had the money, if we
7 had the other resources? And possibly including that
8 information in sections such as Ruth just referred to.

9

10 But I -- I do not see us expanding the report
11 to encompass that at this point.

12 DR. SHAPIRO: Alex?

13 MR. CAPRON: Ruth, I do not think the
14 question that you put is the question that Trish
15 raised. It was not can we in this report say that
16 research subjects participating in U.S. sponsored
17 research abroad are adequately protected. We cannot
18 say that for the United States. How could we say that
19 for this much more heterogeneous set of research that
20 is farther away from our every day observations?

21 I think it is a different set of questions
22 and I think to a certain extent those questions are
23 addressed in here. I mean, after all, one of the
24 questions about variations in consent, should there be
25 some difference, is there -- are there some points for

1 which it is not ethical imperialism to insist that
2 they are part of the consent process and other ones
3 where changes beyond just using different language to
4 explain what genetics is or something are appropriate?

5 I mean, those kinds of concerns are ones on
6 which we are going to get, if you look at these
7 research documents, some interesting answers, I think,
8 from researchers. The question is would you like some
9 interesting answers from research subjects. Even the
10 very notion of what you think is a benefit. I mean,
11 is it a benefit if your country comes away with a
12 better infrastructure but does not come away with the
13 ability to buy the drug? I do not know.

14 I mean, ministers of research -- ministers of
15 health in some countries say, yes, that is a benefit.

16 We will take that. We think that is a good that you
17 do in your research. It counts on the benefit side.
18 Subjects may say we agree or they may say we disagree.

19 I do not know what their answers to those kinds of
20 questions are and I agree that it would take quite a
21 bit of study to answer that but I do not think it is a
22 question that is not addressed in this report.

23 It is addressed only from certain voices,
24 however, our own perceptions of ethics and some
25 empirical data we are going to have about what

1 researchers think. That is probably all we are going
2 to have. I am not complaining that we have this
3 earlier report out but if we know that there are other
4 perceptions it seems to me we would write a better
5 report if we identified the fact that we realize it,
6 identified how one might go about it, any preliminary
7 steps we have taken, any discussions we have had with
8 others who also think it is an interesting issue who
9 may be able to pick up that particular torch and carry
10 it.

11 DR. SHAPIRO: Trish?

12 DR. BACKLAR: I think it is demeaning not to
13 consider all the stakeholders. I am concerned about
14 that and I just want to also use some recent
15 experience having participated in producing the report
16 on the capacity report. As I go around the country
17 speaking to people who have mental disorders the big
18 question I get over and over again, despite the fact
19 that we invited people here to talk with us who did
20 have mental disorders, is the prominent consumers in
21 the field who are now -- who are also -- many of them
22 actually are providers as well -- felt that they were
23 excluded from that discussion and their input was not
24 listened to and they feel that it is extremely
25 important in that particular group of people that if

1 you are going to do research on us, we should have a
2 voice.

3 DR. MIIKE: That always happens.

4 DR. BACKLAR: I am not disagreeing.

5 DR. MIIKE: Even the people that knew about
6 the meetings and came to the meetings, some of them
7 will always raise --

8 DR. BACKLAR: You know something, I agree
9 with you but actually I do think -- and I feel in some
10 way responsible because I was involved with it and
11 there were a group of people that I perhaps should
12 have pushed more to bring. It was not that anybody
13 stopped me. We -- I did not think about it.

14 DR. MIIKE: I think we are talking different
15 things. What we are talking about here is
16 international research in the country to country
17 level. We are not talking at the lower level. The
18 other thing is that if we begin to try to design a way
19 to get that, my first thing would be to say why
20 Nigeria. Why did we just pick five places in Nigeria?
21 Why those particular tribes? I mean we would never -
22 - we would not have an end to it and I still do not
23 know what it would add to what we eventually come out
24 with in terms of our recommendations and conclusions
25 in our report. Basically I think the issue is that we

1 are talking at different levels of policy.

2 DR. SHAPIRO: Bernie, and then we are going
3 to wind up.

4 DR. LO: Let me try and suggest a way to sort
5 of resolve this situation. I mean, I think a lot of
6 this is a time, resources, focus issue and I think it
7 really is unrealistic for us to try and design a
8 study, how to get this information, it is just not in
9 our time frame and I do not think we have the
10 resources unless Eric is sitting on a lot of money
11 that no one else knows about.

12 I think it would be good to make an effort to
13 say we do take it seriously so both in the report to
14 highlight it but also I think we should make some
15 effort to see if there is a way of bringing people in
16 who have some information about that that is credible.

17 So I think we should try and get information that is
18 already gathered but just stop short of saying we are
19 going to go out and collect it ourselves. We should,
20 I think, try and formulate an argument for making a
21 recommendation we think that is important that someone
22 else do that to try and get the ball rolling.

23 So what we are trying to do is show our
24 respect for the subjects of the research by expressing
25 the importance of their perspective. We should do

1 that but not feel that we actually have to go do it.

2

NEXT STEPS

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DR. SHAPIRO: Okay. Well, what we will do over the next couple of weeks is we will give this particular item some further thought and send a memo around to everyone to see what some proposals are and how you might feel about it.

8

9

All right. Let me just express my thanks to everyone who helped us so much today.

10

11

Ruth, thank you particularly.

12

13

14

15

Thank you as well.
It has really gotten us to a very good spot right now and I really thank you all for the work you have done on our behalf. We are very, very appreciative.

16

17

We will adjourn until -- do you have anything else?

18

19

DR. MESLIN: Yes. Just about tomorrow morning and your books.

20

21

Please take your things with you. The room is going to be cleaned so do not leave your materials.

22

23

MR. CAPRON: It is going to be redecorated actually.

24

(Simultaneous discussion.)

25

MR. CAPRON: They have been putting in a tile

1 floor in the lobby while we have been up here today.
2 We have not done anything but they have got a tile
3 floor in.

4 DR. MESLIN: Secondly, as you all know, Alta
5 Charo is not here so she will not be leading the
6 discussion tomorrow but we will begin at 8:00 a.m.
7 sharp.

8 DR. SHAPIRO: I will not be here as far as I
9 know.

10 DR. MESLIN: And we will discuss dinner
11 momentarily.

12 (Whereupon, at 5:05 p.m., the proceedings
13 were adjourned.)

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