

UNITED STATES DEPARTMENT OF AGRICULTURE

NATIONAL ADVISORY COMMITTEE  
ON MEAT AND POULTRY INSPECTION MEETING

Washington, D.C.

Wednesday, January 14, 2015

## 1 PARTICIPANTS:

## 2 Committee Members:

3 DR. MICHAEL CRUPAIN  
Consumer Reports

4  
5 GEORGE WILSON  
Wilson and Associates, LLC

6 DR. TANYA ROBERTS  
Center for Foodborne Illness Research  
7 and Prevention

8 KURT BRANDT  
United Food and Commercial Workers  
9 International Union

10 DR. DUSTIN OEDEKOVEN  
South Dakota Department of Agriculture

11  
12 DR. KRZYSZTOF MAZURCZAK  
Illinois Department of Agriculture

13 MICHAEL LINK, JR.  
Ohio Department of Agriculture

14  
15 DR. MANPREET SINGH  
Purdue University

16 DR. RANDALL PHEBUS  
Kansas State University

17  
18 DR. MICHAEL RYBOLT  
Hillshire Brands Company

19 SHERRI JENKINS  
JBS, USA, LLC

20  
21 DR. BETSEY BOOREN  
North American Meat Institute

22 DR. ALICE JOHNSON  
Butterball, LLC

## 1 PARTICIPANTS (CONT'D):

2 DR. CAROL LORENZEN  
University of Missouri

3  
4 DR. JOHN MARCY  
University of Arkansas

5 CHRISTOPHER WALDROP  
Consumer Federation of America

6  
7 DR. PATRICIA CURTIS  
Auburn University

8 BRIAN SAPP  
White Oak Pastures

9  
10 SHERIKA HARVEY  
Mississippi Department of Agriculture

## 11 Speakers:

12 PHILIP DERFLER  
Deputy Administrator  
13 Office of the Administrator  
Food Safety and Inspection Service

14  
15 KEITH PAYNE  
Deputy Director, Outreach and Partnership  
Division  
16 Office of Outreach, Employee Education and  
Training  
17 Food Safety and Inspection Service

18 MICHAEL G. WATTS  
Assistant Administrator  
19 Office of Outreach, Employee Education and  
Training  
20 Food Safety and Inspection Service

21 SANDRA HOFFMAN  
Economic Research Service  
22 United States Department of Agriculture

1 PARTICIPANTS (CONT'D):

2 DAVID W. PLUNKETT, J.D., J.M.  
3 Senior Staff Attorney, Food Safety Program  
4 Center for Science in the Public Interest

5 MARGUERITE PAPPAIOANOU  
6 Centers for Disease Control

7

8

9 \* \* \* \* \*

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

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

2 (9:00 a.m.)

3 MR. PAYNE: Good morning, everyone. May  
4 I have everyone's attention? Welcome again to our  
5 second day of our meeting. We'll start promptly  
6 now with the reports from each of the  
7 subcommittees. According to the agenda we'll  
8 stick to the 30 minutes allotted for each of the  
9 subcommittee reports from each of the subcommittee  
10 chairs. So we will start with Sub-committee 1. A  
11 report out from Subcommittee Chair, Dr. Betsy  
12 Booren on the evaluation and management of  
13 chemical hazards within the National Residue  
14 Program.

15 DR. BOOREN: Good morning. I think  
16 Sub-committee 1, we need to thank the staff for  
17 their insights yesterday. I know we had a longer  
18 discussion than Sub-committee 2, but I think it  
19 was very useful. I wanted to share with the full  
20 committee our responses and I know you've got  
21 paper copy. There has been some slight changes  
22 but welcome any questions and insights.

1                   The committee supports the National  
2     Residue Program. We think it provides critical  
3     surveillance and information regarding the  
4     chemical hazards in the meat and poultry supply.  
5     The NRP, National Residue Program, should continue  
6     to be managed and be provided the necessary  
7     resources to achieve its mission. The committee  
8     recommends the following to improve the management  
9     and effectiveness of the residue program.

10                  The committee recommends that the Food  
11     Safety Inspection Service or FSIS develop a  
12     strategy to effectively communicate the residue  
13     program, its mission, and the data it collects to  
14     stakeholders which could include industry, trading  
15     partners, laypersons, technical experts, among  
16     other stakeholders. And I want to, sort of, step  
17     off here and provide what I think is an  
18     interesting insight.

19                  We had about a two hour discussion; the  
20     Sub- committee 1 did before break and much of the  
21     discussion, I think, led to; and this is my  
22     analogy, a lack of understanding of really the

1 scope of the program and I think that's telling,  
2 that even within Sub-committee 1 with even with  
3 the prior materials, there was a misunderstanding.  
4 So we do think it's important to have a better  
5 explanation of what this program does and how  
6 critical it is to the meat and poultry supply.

7 DR. CRUPAIN: You say to more  
8 effectively communicate?

9 DR. BOOREN: To more effectively, we  
10 can. Further, the committee recommends USDA  
11 develop an interagency working group. This  
12 interagency working group would include, but are  
13 not limited to, other agencies that regulate and  
14 collect data regarding chemical hazards, i.e.,  
15 CVM, AFIS, EPA, CDC, FAS, international partners.  
16 The continuum of what is approved for use whether  
17 it's antibiotics, drugs, surveillance of heavy  
18 metals, go across many different departments and  
19 different agencies and we want to make sure  
20 there's effective communication on, perhaps, what  
21 is emerging and what exists and to have that  
22 communication across all departments and agencies

1 we think is critical to the success and long-term  
2 management of this program.

3 The committee recommends that this  
4 working group develop the following; again, a  
5 communications strategy that provides the  
6 information on the role and responsibilities of  
7 each agency and how they interact with each other;  
8 an internal process to determine if new chemical  
9 hazards exist and should be monitored if new  
10 methods should be developed as well as chemical --  
11 as well as if there are chemical hazards that need  
12 to be removed when the risk is di minimus from the  
13 surveillance program.

14 The committee recommends, for known  
15 chemical hazards, the process should include  
16 long-term exposure and should be based on public  
17 health risk. Insights from stakeholders should be  
18 solicited and reviewed.

19 Are there any questions with that? We  
20 thought that an official process of reviewing and  
21 -- across the interagency working group was  
22 needed.



1 DR. MARCY: Just -- John Marcy,  
2 University of Arkansas. You might want to say it  
3 should be removed from the surveillance program  
4 when risk is di minimus.

5 DR. BOOREN: Do you got that? Should be  
6 removed when risk is?

7 DR. MARCY: No.

8 DR. BOOREN: And --

9 DR. MARCY: Should be removed from the  
10 program when the --

11 MR. WILSON: Should be removed from the  
12 program?

13 DR. MARCY: Yeah. Put removed with the  
14 --

15 MR. WILSON: From the program?

16 DR. MARCY: Removed from the program  
17 when the --

18 DR. BOOREN: Okay. Thank you.

19 DR. MARCY: Okay.

20 DR. BOOREN: The committee recommends  
21 that FSIS continues to provide stakeholders with  
22 quarterly and yearly reports and does so in a

1       timely fashion. The committee recommends the  
2       report should include a more detailed analysis of  
3       data including additional information on non-  
4       violative residues. The committee recommends the  
5       agency determine if additional comparable data  
6       exists among state residue programs and when  
7       possible include into the NRP analysis.

8               Any questions there? We had a lengthy  
9       discussion on what is happening within each state  
10      and the different programs and we wanted to make  
11      sure that the population being evaluated -- that  
12      we have the most robust data possible. Thank you.

13             The committee recommends that FSIS  
14      evaluate if more data is available or should be  
15      collected in small establishments either domestic  
16      or international within the residue program as  
17      well as in state residue programs. The committee  
18      commends FSIS for recent advancements in chemical  
19      detection methods. The committee recommends FSIS  
20      to continue to provide resources to improve the  
21      technologies within the residue program including  
22      the appropriate staffing needed to achieve the

1 mission of the program. The committee encourages  
2 FSIS to develop more rapid screening and  
3 confirmation methods in order for results to be  
4 reported in a timelier manner to the industry.

5 Questions, concerns.

6 DR. PAPPAIOANOU: Just to request that  
7 where CDC is mentioned in the interagency  
8 taskforce that it be CDC/ATSDR.

9 MR. PAYNE: Just as a reminder for  
10 anyone making a comment in the process, please  
11 state your name and organization for the record.

12 DR. PAPPAIOANOU: Hi, yeah. This was  
13 Marguerite Pappaioanou from CDC.

14 DR. RYBOLT: What is that? The ATSDR.

15 DR. PAPPAIOANOU: It stands for the  
16 Agency for Toxic Disease Registry and it collects  
17 a lot of information on chemical hazards targeted  
18 to superfund sites but, nonetheless, they produced  
19 profiles on chemical agents that many agencies  
20 use. So they're -- legislatively, they're  
21 connected to CDC. So the CDC director is director  
22 of CDC and ATSDR, but it's very helpful on this --

1 on an interagency taskforce recommendation like  
2 this that FSIS may want to call on experts in  
3 ATSDR to be a part of the taskforce.

4 DR. RYBOLT: Okay.

5 DR. BOOREN: Great, thank you.

6 DR. PAPPALIOANOU: Thank you.

7 DR. BOOREN: Any other comments,  
8 questions, concerns before we move on to the  
9 second question?

10 DR. OEDEKOVEN: Dustin Oedekoven, South  
11 Dakota Animal Industry Board and I just have a  
12 concern. I'm not sure if this is the place to  
13 address this, but it's related to the residue  
14 programs. And that is probably more on the FDA  
15 side, but it's related to the residue collection  
16 and that is we've noticed in our state -- I also  
17 work much more closely on the animal health side.  
18 I guess I'll describe that just a little bit.

19 As many of you know, for the past decade  
20 or so there's been a movement to improve  
21 traceability among the livestock industry and, in  
22 fact, we're almost on two years of having a

1 federal rule for traceability of livestock. The  
2 Animal Disease Traceability Rule went into effect  
3 in March of 2011. And so in the development of  
4 that rule there was a lot of discussion with  
5 various sectors of the livestock industry about  
6 what classes of livestock would be required to  
7 have official identification while they were in  
8 movement in interstate commerce and as they were  
9 going to slaughter. And one of the classes of  
10 livestock that was exempt from having official ID  
11 was cattle under 18 months of age that are going  
12 direct to slaughter. Okay, and so that -- there  
13 was a very long discussion on -- and some of you  
14 that were familiar with the NAIS and wasn't  
15 popular and now we have ADT which seems to be  
16 working. So I give you that little bit of  
17 background to say that we have noticed in some  
18 cases state counterparts who are working under the  
19 FDA agreement to follow up on violative residues  
20 are citing plants and producers for not having  
21 identification in that class of fat cattle  
22 sufficient to trace back for residue concerns.

1           So if you're following me here, we've  
2       got one agency, AFIS Veterinary Services working  
3       with state counterparts on traceability for live  
4       animals. Another agency, state, and FDA  
5       counterparts working to follow up on violative  
6       residues and they're saying different things about  
7       ID requirements. When we followed up with that;  
8       with FDA and our state counterparts on -- you  
9       know, they were saying that ID needed to be  
10      present in these animals that are slaughtered so  
11      that adequate trace back for violative residues  
12      could be in place. But they really didn't have  
13      regulation to cite that. And the result is it's  
14      very confusing to the livestock industry about  
15      what ID requirements are in place.

16           So, again, I know that's a little bit  
17      outside of the discussion of the violative  
18      residues that we're talking about here, but I  
19      think in the vane of communication and perhaps on  
20      the first bullet point, when we are communicating  
21      the NRP, its mission, the data collects with  
22      stakeholders, include industry, trading partners,

1       and so-forth, you know, if we could include  
2       something about the expectations there or perhaps  
3       we need to have more dialogue with the industry on  
4       what level of identification and trace back is  
5       expected in this process.

6               I'm sorry, that was a very long comment.

7               DR. BOOREN:  No, no, no, no, I'm trying  
8       to synthesize -- one -- within our discussions we  
9       had a lot of discussion about state programs and  
10      of course the federal programs.  We tried to be --  
11      we didn't want to be too specific.  We wanted to  
12      make sure we gave the latitude to the appropriate  
13      agencies.  We gave them enough information to have  
14      the proper guidance for the discussion.

15              Would you -- to try to capture what you  
16      said, which is not only include industry, trading  
17      partners, et cetera, but also the relevant state  
18      programs or agencies and to also include that  
19      within the inter-agent working group?  I think  
20      what you're trying to get to, Dustin, is we want  
21      to make sure that within the state programs and  
22      the federal programs there's a proper

1       communication of how -- what data's being  
2       collected and then how it can be utilized across  
3       other programs. And that's within, you know, your  
4       own state purview, whether it's South Dakota or  
5       Michigan or California. Every state operates  
6       slightly differently, but that interaction is made  
7       possible.

8               DR. OEKEDOVEN: Yeah, yes. And I think  
9       another important part to include is the  
10      coordination of the message among different  
11      agencies on what is expected for identification  
12      because I -- as I understand it, FDA has a -- an  
13      expectation. Whether that's in regulation or not,  
14      I don't know. But they have an expectation that  
15      animals with violative residues can be traced back  
16      to the farm of origin. And then if that's not  
17      correct, maybe somebody can correct me. But  
18      that's my understanding is they have that  
19      expectation and I don't think that has been  
20      clearly communicated to the livestock industry  
21      that that is an expectation within this --  
22      directly related to this NRP program for the NRP.



1                   DR. RYBOLT: Could that be a bullet  
2 point maybe under here below the communications  
3 strategy possibly?

4                   DR. OEKEDOVEN: Yes, that's a good place  
5 to put it. I'm not offering much in the way of  
6 solutions.

7                   DR. RYBOLT: Do you want to suggest some  
8 language real quick on that? (Laughter)

9                   DR. OEKEDOVEN: Maybe I'll work on that  
10 while you guys want to go on.

11                  DR. BOOREN: I think what Dustin --  
12 yeah, and work on language, but something along  
13 the lines of ensuring that the NRP results are  
14 communicated across all state and federal  
15 agencies.

16                  DR. OEKEDOVEN: Yeah, and I think, you  
17 know, I'll work on language. I think what I'm  
18 getting at is the expectation of the mechanisms of  
19 the NRP, you know.

20                  DR. RYBOLT: I'll put a placeholder in  
21 here --

22                  DR. OEKEDOVEN: Okay.

1 DR. RYBOLT: -- and then we'll come back  
2 to that.

3 DR. OEKEDOVEN: Thank you.

4 DR. BOOREN: Any other comments,  
5 questions? Brian?

6 MR. SAPP: Brian Sapp, White Oak  
7 Pastures. On the second bullet point there, I  
8 think it was brought up this morning. Not only  
9 interagency but intra-agency as well within FSIS,  
10 USDA, you know, in the -- instead of across but  
11 within -- that's good.

12 DR. BOOREN: Thank you, Brian. Anything  
13 -- any other comments, questions before we move on  
14 to the Question 2?

15 All right, Question 2 two was three  
16 parts. The first question was is FSIS allocating  
17 the right proportion of samples for the domestic  
18 versus the import surveillance program? The  
19 committee believes FSIS is sampling appropriately  
20 the domestic and international meat and poultry  
21 supply in their surveillance program. The  
22 committee believes that the volume weight of

1 process of selecting samples in the domestic  
2 surveillance program is appropriate. The  
3 committee recognizes the importance of the NRP in  
4 maintaining the import and export of meat and  
5 poultry products within the United States. The  
6 committee encourages FSIS to confirm communication  
7 among the NRP staff and the international program  
8 staff exist to ensure proper surveillance of the  
9 imported meat and poultry supply is ongoing while  
10 maintaining the necessary equivalent status with  
11 trading partners. The committee recognizes a  
12 stratified sampling program may be needed to  
13 retain equivalency with trading partners.

14 Questions, concerns, insights? We had a  
15 lot of discussion about the importance of the  
16 surveillance program to trade; both import and  
17 export and making sure that that trade is still  
18 able to be ongoing. Okay.

19 Brian, do you have a question or is that  
20 from --

21 MR. SAPP: I'm sorry.

22 DR. BOOREN: Nope, just want to make

1       sure we're capturing everything.

2                   B.   Is FSIS allocating the right  
3       proportion of samples across the domestic programs  
4       scheduled versus inspected generated -- inspector  
5       generated program? The committee believes the  
6       sampling allocation among the surveillance  
7       program, domestic and international, and the  
8       inspector generated is appropriate. The committee  
9       recommends FSIS review inspector training and  
10      conduct periodic reviews across districts to  
11      ensure adequate and consistent implementation of  
12      each program; particularly among inspectors for  
13      small and very small establishments. The  
14      committee recommends this review include sampling  
15      frequency and sample results. The committee  
16      encourages the FSIS to analyze surveillance data  
17      and inspector generated data including determining  
18      if correlations exist. And this is to ensure  
19      appropriateness of the sampling plan as well as  
20      inspector training.

21                   Questions, concerns, clarifications,  
22      insights? Okay, seeing none.

1                   C. Is FSIS allocating samples across  
2 slaughter classes effectively? The committee  
3 believes FSIS is appropriately allocating samples  
4 across all slaughter classes effectively for the  
5 surveillance program. The committee recommends  
6 FSIS ensure the Scheduled Sampling Program as  
7 random and the most effective representation of  
8 the population it is measuring.

9                   Questions, concerns, clarifications,  
10 insights? Okay, Question 3.

11                  Does the committee agree with FSIS's  
12 emphasis on known versus unknown chemical hazards?  
13 The committee agrees with FSIS's emphasis on known  
14 chemical hazards and encourages FSIS to continue  
15 to focus on the known hazards. The committee  
16 recommends FSIS utilize the interagency working  
17 group as described above to provide a process of  
18 reviewing the type and level of hazards,  
19 identifying new hazards, and reviewing of hazards  
20 no longer exist. The committee recommends this  
21 review of chemical hazards occur on a periodical  
22 -- periodic basis and FSIS provide the opportunity

1       for stakeholder input. The committee believes  
2       this process will provide the needed information  
3       on existing and emerging chemical hazards across  
4       departments for an overall improved process to  
5       ensure public health is maintained.

6               Questions, concerns, clarifications?

7       Question 4. How should FSIS consider chemical  
8       categories equal or ranked relative to each other?

9       The committee recommends FSIS consider chemical  
10      hazard categories based on relative risk and be  
11      public health based. The committee recognizes the  
12      Import Surveillance Program will need to consider  
13      that chemical hazards differ among the U.S. and  
14      its international trade partners. The committee  
15      recommends FSIS may need to allocate additional  
16      resources to ensure public health is maintained.  
17      The committee recommends that the above-mentioned  
18      interagency working group be convened to identify  
19      these issues.

20              Questions, concerns, clarifications?

21              DR. PAPPAlONAU: Marguerite

22      Pappaioanou, CDC Liaison to FDA. Although FDA is

1 not here, we're the -- again, where the  
2 interagency group is mentioned, the subcommittee  
3 mentions CVM, the Center for Veterinary Medicine,  
4 and you may want to consider making that FDA, CVM,  
5 and also potentially consider CFSAN, the Center  
6 for Food Safety and Applied Nutrition which also  
7 has several -- has toxicologist and testing  
8 program for FDA regulated foods that offer  
9 expertise that, again, might be considered by FSIS  
10 when they convene at the interagency group.

11 DR. BOOREN: Great, thank you. Is the  
12 committee comfortable with that recommendation? I  
13 see nods around the room. Any dissent? Okay.

14 Dustin, we're, I think, we're back to  
15 the language.

16 DR. OEDEKOVEN: Thank you. I have a  
17 suggestion then. On the second bullet point that  
18 begins with the committee recommends USDA develop  
19 an interagency working group, in the parenthesis  
20 that begins i.e., CVM, I would agree with the  
21 previous speaker, maybe strike CVM and insert FDA  
22 to be more inclusive of all FDA agencies. And

1       then in front of international partners, insert  
2       state and -- so we have state and international  
3       partners. And then I think a quick -- the next  
4       bullet point that begins the committee recommends  
5       the interagency working group under the first  
6       sub-bullet point, communication strategy that  
7       provides information on the role and  
8       responsibilities of each agency comma; this is  
9       where I suggest they insert comma; and the  
10      expectations of the regulated industries comma  
11      including requirements or guidelines for  
12      traceability when violative residues are  
13      identified. And I think that addresses my  
14      concern. Thank you.

15                 DR. BOOREN: Thank you, Dustin. We've  
16      added some language. Are there concerns,  
17      questions, clarifications that would be raised by  
18      the committee? Randy?

19                 DR. PHEBUS: Just really minor. Instead  
20      of saying of the -- in Dustin's additional  
21      language, instead of saying of, it should be for  
22      expectations, I believe.



1 DR. BOOREN: For.

2 DR. PHEBUS: For.

3 DR. BOOREN: Thank you for the  
4 clarification. Other from the committee? Other  
5 concerns, issues?

6 DR. CRUPAIN: This is Michael Crupain of  
7 Consumer Reports. Can we go back to number four  
8 for a second?

9 DR. HOFFMAN: Could I just -- I think  
10 I've just got a spelling error on what we were  
11 just dealing with.

12 DR. BOOREN: Okay.

13 DR. HOFFMAN: Sandy Hoffman. I think he  
14 said require -- including requirements or  
15 guidelines rather than requirements for  
16 guidelines. Is that correct?

17 DR. OEDEKOVEN: That's correct. Thank  
18 you for catching that.

19 DR. BOOREN: Thank you. Any -- are we  
20 comfortable here and then we'll move down to  
21 Question 4?

22 Okay, so the new bullet and I'll read it

1       just so we hear it. The committee recommends the  
2       interagency working group develop the following;  
3       first bullet, language was added. Communication  
4       strategy that provides information on the role and  
5       responsibility for each agency and the  
6       expectations for regulated industries including  
7       requirements or guidelines for traceability when  
8       violative residues are identified.

9               Concerns, questions? Okay. Thank you.  
10      And then four. Michael you had --

11             DR. CRUPAIN: I just -- the second and  
12      third sentences. I'm not -- maybe we can make  
13      them more clear. I'm not sure what we're trying  
14      to express there now that I read it again.

15             DR. BOOREN: If I am recalling our  
16      discussion yesterday we wanted to make sure that  
17      we understand while there are chemicals that,  
18      perhaps, are approved here in the U.S., there are  
19      chemicals that are used in other countries and  
20      that why we may not have the surveillance or the  
21      methods to find them in our own supply because  
22      they are not approved, that we may have incoming

1 levels on those and to ensure that we recognize  
2 that there are differences and that we -- if we  
3 need to detect them that we have the resources.  
4 Now that may not have been communicated  
5 effectively in those two sentences, but I think  
6 that was, sort of, the general discussion. And as  
7 -- and then the third sentence says as a result we  
8 may need to allocate other resources to ensure  
9 that we're doing the appropriate testing as needed  
10 on some of the imports to maintain the equivalency  
11 status. We wanted to acknowledge that that may  
12 need to occur. It may not, but it may.

13 DR. CRUPAIN: So should we say the  
14 Committee -- something more like the Committee  
15 recommends FSIS may need to include additional  
16 chemicals that are from -- that are used in other  
17 countries but not here to make that more specific?  
18 That are --

19 DR. RYBOLT: What we have is the  
20 committee recognizes the import surveillance  
21 program -- we'll need to consider that chemical  
22 hazards may differ among the U.S. and

1 international trading partners and then -- and  
2 therefore, may need to provide additional  
3 resources.

4 DR. CRUPAIN: I think we might want to  
5 call out or consider more specifically that we're  
6 concerned that there's chemicals coming in from  
7 other countries that we're not even looking for  
8 because we -- they're not on our radar. That's  
9 what we're getting at here, right?

10 DR. RYBOLT: Yes.

11 DR. CRUPAIN: So we might want to be  
12 just a little more explicit because I think it's  
13 not entirely clear. So, let's see.

14 MR. SAPP: Brian Sapp, White Oak  
15 Pastures. I think it's clear here that we are --  
16 they're considering that chemical hazards are  
17 different, you know, and then those resources need  
18 to be allocated, you know, when we find them. But  
19 you guys -- we spoke yesterday a little bit about  
20 it. You know, if we don't propose it there we're  
21 really not testing for them. But I think it would  
22 be more important to recognize that that risk is

1       there and then you guys would go on to say, you  
2       know, FSIS, the interagency working group, you  
3       know, before we talked about, you know,  
4       international trade partners. You got to -- if  
5       the international trade partners or international  
6       folks know that something's going on, then they  
7       need to recognize that, you know, and pass that  
8       information to FSIS. I don't think we can get  
9       more specific then saying we recognize it's there.  
10      You know, when you keep that on the radar, you  
11      know, and work through the interagency working  
12      groups to -- you recognize those risks.

13                 DR. BOOREN: Thank you.

14                 DR. VETTER: Dana Vetter, NAFB. Just a  
15      suggestion on the language. Possibly the  
16      committee recommends FSIS may need to allocate  
17      additional resources to ensure chemical hazards  
18      not endemic to the United States or identified in  
19      public health is maintained?

20                 DR. RYBOLT: Say that again. Not  
21      endemic.

22                 DR. VETTER: Not endemic; that potential

1 chemical hazards not endemic to the U.S. Is that  
2 the correct term or is there another word that  
3 might be better than endemic?

4 DR. RYBOLT: I don't know --

5 DR. VETTER: I know -- you know where  
6 I'm going with that. I'm not sure that that's  
7 exact term that you should use, but --

8 DR. RYBOLT: Would common be a better  
9 term?

10 DR. VETTER: Not approved/common.

11 DR. BOOREN: Not approved. I think  
12 approved would be appropriate.

13 DR. RYBOLT: Okay. Not approved within  
14 the U.S.?

15 DR. VETTER: Are identified and public  
16 health is maintained.

17 DR. RYBOLT: Are not identified and  
18 public health is maintained? Is that what you  
19 were --

20 DR. VETTER: Are identified and public  
21 health is maintained or ensured.

22 DR. RYBOLT: Okay. That's good.

1 Michael, I think that might get to what you were  
2 getting at, too. Thank you, Dr. Vetter.

3 DR. BOOREN: With that added language,  
4 is the Committee comfortable with this?  
5 Questions, concerns? Chris?

6 DR. WALDROP: So, just a question since  
7 I wasn't in this committee. On this point, was  
8 there a discussion of the Committee or information  
9 from FSIS in terms of how the agency would address  
10 chemical hazards that are, in other countries, not  
11 approved in the U.S. so they're not really looking  
12 for them? You know, how do they -- how did they  
13 get at that? Did you have the discussion?

14 DR. BOOREN: We did have that  
15 discussion, Chris. And if I jump in -- if I, sort  
16 of, tell the story wrong from yesterday. That was  
17 part of the question of how they should go about  
18 identifying unknown. That was, sort of, how I  
19 perceived that. And so, as we had the overall  
20 discussion over the whole afternoon, what became  
21 evident is that we needed a process. It wasn't  
22 just identifying, but would there be a process

1       that could be created to go through approval,  
2       non-approvals, new, unknown, and so-forth. And  
3       so, our recommendation was is to create that  
4       interagency working group that you would bring in  
5       the international people that may understand,  
6       perhaps, export requirements, import requirements,  
7       and then the appropriate live animal on-farm  
8       agencies as well as the residue program staff.  
9       And that way you would, sort of, have the whole  
10      farm to fork continuum address those issues. And  
11      that's why -- where that interagency working group  
12      came from. That we figured those people would  
13      have the necessary expertise knowing what  
14      potentially is being approved coming down the  
15      pipeline so new methods could be developed, but  
16      also if we have international issues that the  
17      appropriate staff are given the opportunity to  
18      share that with the regulatory bodies.

19               Does that answer your question? Did I  
20      summarize what we talked about yesterday? Okay.

21               DR. JOHNSON: Michael, within I think  
22      you just missed the within and just put with.



1 DR. CRUPAIN: The U.S.?

2 DR. WALDROP: Yes.

3 DR. JOHNSON: And it's supposed to be  
4 within.

5 DR. BOOREN: Thank you, Alice. I  
6 believe, John?

7 DR. MARCY: John Marcy, University of  
8 Arkansas. Slight wording change to ensure hazards  
9 from chemicals not approved.

10 DR. BOOREN: To ensure.

11 DR. MARCY: So you're not approving the  
12 hazards, you're approving the chemical.

13 DR. BOOREN: From chemicals.

14 DR. RYBOLT: From chemicals. Is that  
15 what you said?

16 DR. BOOREN: From chemicals. Thank you,  
17 John. Other issues, concerns? Hearing none, that  
18 is the report from Sub-committee 1 with the  
19 recommendations of the full Committee and other  
20 input which we thank you for. I don't know what  
21 the process is now, but if there are any  
22 questions, we're happy to answer them.

1                   MR. PAYNE: Thank you, Dr. Booren. We  
2 sort of migrated from the report from the  
3 subcommittee into a full committee discussion. So  
4 what I'd put forth before the full committee,  
5 would the full committee -- would like to continue  
6 to discuss this report or are you ready to vote on  
7 it as a final? It's up to you. We have  
8 flexibility in our program this morning, so if you  
9 want to go into the second subcommittee report we  
10 can do that and break for our coffee. I see  
11 there's coffee out there.

12                  DR. BOOREN: As chairperson of  
13 Sub-committee 1, let's go on to the second report.  
14 That'll allow people to review and think about  
15 what was discussed and if there are any other  
16 issues, we can bring it up afterwards.

17                  MR. PAYNE: Mr. Sapp?

18                  MR. SAPP: Brian Sapp, White Oak  
19 Pastures. Is there a way to print those back out  
20 with all those changes so we can read through, you  
21 know, kind of, what we changed and --

22                  MR. PAYNE: Yes.

1                   MR. SAPP:  -- take care of everybody to  
2                   focus on maybe one more time, I think we can  
3                   change that.

4                   MR. PAYNE:  Yes, we can do that.

5                   MR. SAPP:  Okay.

6                   MR. PAYNE:  Okay.  So what we'll do,  
7                   we'll do that and we'll go into our second  
8                   subcommittee report and we have Mr. Chris Waldrop  
9                   as the chair of the second subcommittee on the  
10                  FSIS and ERS cost calculation model.

11                  DR. WALDROP:  All right.  This is Chris  
12                  Waldrop with Consumer Federation.  First of all,  
13                  thanks to ERS for this charge and thanks to the  
14                  committee members who serve for your deliberations  
15                  and everything, yesterday.  We'll walk through  
16                  these questions.

17                  So Question 1 is looking at what  
18                  additional hazards should ERS consider?  And the  
19                  committee's response is the committee believes the  
20                  current list of 15 pathogens is adequate  
21                  especially since there may not be sufficient data  
22                  for other hazards to include them in the model.

1       The committee suggested that inclusion of  
2       staphylococcus aureus would be useful. The  
3       committee also said that it would be useful  
4       long-term to develop a way to quantify the impact  
5       of the unknown pathogens in order to develop a  
6       more complete picture of the cost of foodborne  
7       illness.

8               The committee believes that ERS should  
9       focus its list on foodborne pathogens; although in  
10      the future, should consider incorporating other  
11      hazards such as heavy metals, drug residues, and  
12      chemical contaminants if sufficient data are  
13      available.

14             ERS should talk with FSIS and other  
15      agencies about prioritizing research in these  
16      areas as appropriate. ERS should take into  
17      consideration antibiotic resistant pathogens  
18      especially since those may change the disease cost  
19      modeling outcomes. We reference a CDC report on  
20      that. And then the committee says that the  
21      committee emphasized the importance of more  
22      frequent updating of foodborne illness incidence

1 data provided by CDC. And we've added those quick  
2 edits.

3 Any comments, suggestions, edits from  
4 the committee?

5 DR. CRUPAIN: Michael Crupain from  
6 Consumer Reports. I have two comments. In the  
7 first sentence, to me, the word adequate implies  
8 that you don't need to add staph aureus because 15  
9 is fine? I don't know. I would say the Committee  
10 believes the list of 15 pathogens is good or  
11 something else. But adequate, to me, implies that  
12 you don't need to do anything else.

13 DR. WALDROP: Okay.

14 DR. CRUPAIN: The other thing; I don't  
15 know you if you guys discussed it. I think it  
16 would be -- it probably -- it's not appropriate to  
17 do -- right now if they were to redo this  
18 analysis, but since they're discussing doing this  
19 -- updating this every five years, I think, you  
20 know, we've traditionally focused on foodborne  
21 illness as food poisoning, but we're learning more  
22 and more, especially through advanced genetic

1       analysis, that foodborne illness isn't just food  
2       poisoning. So we have lots of -- some new studies  
3       coming out showing that E. coli found on food can  
4       -- are the same ones ending up causing urinary  
5       tract infections and I think as that data becomes  
6       more robust in the next -- between now and the  
7       next five years when they do the analysis, that's  
8       something that could be included.

9               DR. JOHNSON: I think that's done.

10              DR. WALDROP: Yes, so it --

11              DR. LORENZEN: That's in a later  
12       question.

13              DR. WALDROP: In a later question we're  
14       going to get to that because that looks at the  
15       long-term health outcomes to some degree and so we  
16       did talk about making sure that that's included  
17       and continually updated and you're looking at the  
18       research to make sure that that's involved.  
19       Right.

20              DR. CRUPAIN: Okay.

21              DR. WALDROP: So, a word besides  
22       adequate? You suggested --

1 DR. LORENZEN: Good.

2 DR. WALDROP: -- sufficient, good.

3 Chris?

4 MS. JENKINS: This is Sherri Jenkins of  
5 JBS. I think maybe what we should do is, where we  
6 say the committee suggested the inclusion of staph  
7 aureus would be useful, maybe we should have it if  
8 the data suggests that it's necessary or something  
9 of that nature. So I think that the pathogen list  
10 is adequate. I think what we are trying to say is  
11 that there's a possibility, if the data is out  
12 there, to say that that would be the next one to  
13 look at. Is that where I remember the discussion  
14 from?

15 DR. LORENZEN: So after useful, say if  
16 the data suggests or --

17 MS. JENKINS: Yeah, I think that's what  
18 we were wanting --

19 DR. WALDROP: As the data's available.

20 MS. JENKINS: -- to say really is that  
21 if we had to pick one, if you will, it's, you  
22 know, that might be the one, but we need to also

1 look at the data that is presented to make sure  
2 that that would be the next step, I guess. I  
3 don't know how you want to say it, but I think  
4 that's where our discussion was, correct?

5 DR. JOHNSON: Alice Johnson, Butterball.  
6 How about if we come back and reword the committee  
7 suggested; a data review to determine the  
8 inclusion of, if data is appropriate. Something  
9 like that.

10 DR. WALDROP: Does that sound good?

11 DR. JOHNSON: That we go ahead and get  
12 the review done or we recommend --

13 DR. WALDROP: To determine --

14 DR. LORENZEN: Is appropriate?

15 DR. WALDROP: Yeah.

16 MS. JENKINS: Yes.

17 DR. WALDROP: And then that would let  
18 ERS look at that, find the data, and then  
19 determine that they can add it. Does that -- is  
20 everyone okay with that? Okay.

21 Yeah, so I'll reread that. So the  
22 Committee believes the current list of 15



1 pathogens is adequate, especially since there may  
2 not be sufficient data for other hazards to  
3 include them in the model. The Committee  
4 suggested a data review to determine if inclusion  
5 of staphylococcus aureus is appropriate et cetera,  
6 et cetera. Yeah, everyone's good? Should we move  
7 on to number two?

8 DR. RYBOLT: This is Michael. On the  
9 last -- Michael Rybolt. The last point there, it  
10 talks about the emphasis on the importance of more  
11 frequent updating. It's just, kind of, a  
12 statement. Is that because this is for CDC to do  
13 versus ERS? Would we want to make some sort of  
14 recommendation in there that the agency work with  
15 them to do that; to try to update it sooner or  
16 something like that?

17 DR. WALDROP: So --

18 DR. RYBOLT: I mean, it's a different  
19 agency. I got that.

20 DR. WALDROP: Yeah, I mean that's kind  
21 of what we were saying. We figured CDC would read  
22 this report and that's why we put it in there, but

1 the -- ERS has to rely on CDC to do the -- to do  
2 that work first.

3 DR. RYBOLT: Yeah.

4 DR. WALDROP: So it's, you know --  
5 they're, sort of, waiting on CDC to update those  
6 numbers and then they can update their numbers.  
7 So we just wanted to, sort of, highlight the fact  
8 that more -- if CDC can more frequently update the  
9 Scallan numbers, that would be good and  
10 beneficial, kind of, all around. If you have  
11 suggestions to make that stronger, I think the  
12 committee would be fine with it.

13 DR. RYBOLT: Yeah, I'm not sure you can.  
14 I mean I -- this is for -- up to the Secretary of  
15 Ag so --

16 DR. WALDROP: Right.

17 DR. RYBOLT: -- different.

18 DR. WALDROP: Okay. Betsy?

19 DR. BOOREN: I would, on that  
20 recommendation, I would put not only incidents but  
21 attribution data. That would be my  
22 recommendation.

1 DR. WALDROP: And we touch on  
2 attribution later, but I'd be happy to include  
3 that here, too. Sound good? Okay.

4 Number two. For this one, for hazards  
5 for which CDC does not have disease incidents  
6 estimates, how would you recommend developing  
7 estimates of incidents? We say the Committee do  
8 not have additional information to this question.  
9 And as we were discussing this with Sandy, she  
10 said this was really a follow-up question to the  
11 first one. So if we had identified some  
12 additional pathogens, et cetera, you know, that we  
13 couldn't get instimate, excuse me, estimate of  
14 incidents for, how'd we go about that? We didn't  
15 really come up with that in the first discussion,  
16 so we, kind of, just punted this question a little  
17 bit.

18 (Laughs) Betsy, go ahead.

19 DR. BOOREN: I would just say are we  
20 going to have discussion now, like, we sort of,  
21 Shanghaied the earlier part of the morning? I  
22 think one of the things that might be worthwhile

1       considering is maybe a recommendation from this  
2       committee. If we don't have incidents, I think  
3       it's important to give recommendations on either  
4       bringing groups together or soliciting research.  
5       I think this is being used from an entire agency  
6       level from the secretary and there are other  
7       research agencies and that may be helpful to have  
8       that in writing. I don't know what that would  
9       look like, but that could be discussed in a later  
10      -- later on in the morning if needed. But, sir,  
11      bookmark that as if we don't have the information,  
12      we should recommend on how to help them achieve  
13      it.

14                 DR. WALDROP: So do we want to talk  
15      about that now? Do we want to save that for a  
16      later discussion?

17                 MR. PAYNE: I might suggest we get  
18      through -- this is Keith Payne here with FSIS. We  
19      suggest that we get through the report first. I'm  
20      looking at the time and break and then we can have  
21      hardcopies of both subcommittee reports for you to  
22      look at and then we can go through each one and

1       digest.

2                   Just as a reminder, again, when you're  
3       making comment, please identify yourself with name  
4       and organization for the record.

5                   DR. WALDROP:   Okay, so we'll mark this  
6       one and come back to it.   Randy?

7                   DR. PHEBUS:   Randy Phebus, Kansas State  
8       University.   The other points Sandy made on this  
9       particular question was that when she put the  
10      questions together, she thought there may be  
11      epidemiologists amongst our committee and we don't  
12      really have epidemiologists, so.   She didn't feel  
13      like we had the horsepower to really answer that.

14                  DR. WALDROP:   Okay, Question 3.   This is  
15      asking if NACMPI is aware of supporting evidence  
16      within the scientific literature on which to base  
17      revisions of existing estimates of the percentage  
18      of patients who have specific chronic sequelae?  
19      And the response is the Committee noted that the  
20      literature shows that illnesses from 90 and 57 H7  
21      hextechs are generally less severe than E. coli  
22      157:H7 and we recommended some research papers

1       that you can see there. And then the Committee  
2       also emphasized the importance of including  
3       long-term health outcomes as part of chronic  
4       sequelae. This gets to the point Michael raised a  
5       second ago and then we reference some research  
6       papers there. This last research paper for Suri,  
7       we're going to bump down to the -- that's more of  
8       a chronic sequelae so we're going to bump that one  
9       down.

10                   Any questions on those?

11                   DR. CRUPAIN: It's Michael Crupain from  
12       Consumer Reports. I wasn't really talking about  
13       long-term sequelae, I'm talking about really  
14       short-term sequelae. So instead of getting food  
15       poisoning and throwing up for a day, you have a  
16       urinary tract infection and you have painful  
17       urination for two days. So is -- they're  
18       different. It's not really a long-term thing like  
19       they've identified before, like, Guillain-Barré or  
20       kidney disease. It's really acute illness.

21                   DR. WALDROP: And do you have access to  
22       some of the -- some of those research papers that

1 we could add into this and share with ERS?

2 DR. CRUPAIN: Sure, I can pull them.

3 DR. WALDROP: Could you get them?

4 DR. CRUPAIN: I can pull some up --  
5 references up.

6 DR. WALDROP: Okay, great. Then when we  
7 come back we can drop those in as well.

8 Or we could just say the -- including  
9 both long- term and short-term and then we can  
10 just drop them into that.

11 Great. Any other points on that one?

12 DR. HOFFMAN: This is Sandy Hoffman from  
13 ERS. Just -- I'll understand what you're talking  
14 about, but I think to make this clearer to others  
15 who might be reading it. Why don't -- if you  
16 could just break that out because, of course, the  
17 short-term health outcomes are what we want to  
18 include in the disease modeling and it's great to  
19 know about them. Thank you so much. But I think  
20 if you include it with long-term sequelae it may  
21 just be a little confusing to other readers.

22 DR. WALDROP: Okay.

1 DR. LORENZEN: It's like doing math on  
2 the board.

3 DR. WALDROP: Uh-hmm.

4 DR. HOFFMAN: Pardon me, but what I'm  
5 saying is don't call this chronic because it's  
6 not. It's part of the -- just as part of the  
7 disease modeling. Additional short-term outcomes,  
8 perhaps, would be the way to -- I think is what  
9 you want to say because we haven't considered --  
10 we weren't, you know, that literature is emerging  
11 so we have not included that and it's an important  
12 thing to look at to see if we can.

13 DR. WALDROP: So it's -- Sandy, sorry.  
14 Additional short-term. How did you phrase that?

15 DR. HOFFMAN: Including additional  
16 short-term outcomes.

17 DR. WALDROP: Okay. So just additional  
18 there.

19 DR. HOFFMAN: Yes.

20 DR. WALDROP: Great. All right,  
21 Question 4. For any additional hazards that  
22 NACMPI recommends ERS consider, is NACMPI aware of



1 supporting evidence within the scientific  
2 literature that would justify inclusion of chronic  
3 outcomes? We didn't -- we, sort of, had the  
4 discussion around this particular issue. I don't  
5 think we had any specific evidence. We didn't  
6 have a discussion about antibiotic resistance and  
7 looking at whether or not how practices in animal  
8 agriculture may influence some of the disease  
9 modeling. And so, for this one we said the  
10 committee suggested ERS explore whether the effect  
11 of improved practices related to antibiotic use  
12 may have an impact on cost estimates if antibiotic  
13 resistance decreases are noted. So this is, sort  
14 of, looking long-term. If practices end up  
15 changing, how does that then impact the disease  
16 model and is there an impact at all? So it's just  
17 -- it's, sort of, something that we suggest ERS  
18 take a look at as time goes on and keep as part of  
19 something that they would review and research as  
20 they're updating these models.

21 Questions on that or comments? Okay,  
22 and then we -- I think we talk about antibiotic

1 resistance again in the last question so we'll  
2 come back to that.

3 Question 5. Is NACMPI aware of  
4 supporting evidence within the literature that  
5 would suggest a change in the type or likelihood  
6 of health outcomes associated with pathogens in  
7 the current model? I'm not going to read that.  
8 So here the Committee noted that whole-genome  
9 sequencing is leading to new information that may  
10 lead to new treatments and diagnosis which may  
11 impact cost estimates and the effect of antibiotic  
12 resistant pathogens on health outcomes may impact  
13 cost estimates as well. And here, the discussion  
14 was with whole- genome sequencing, you know, we're  
15 going to, at some point, get new information on  
16 that. It may lead to new treatments that may  
17 decrease the days that somebody's in the hospital  
18 if we have new treatments that arise from that.  
19 So it's, again, a notation to ERS to think about  
20 this long-term as they're making these updates.  
21 You know, are there new treatments that are coming  
22 out? Are there new diagnosis that are coming out

1       that are going to impact these cost estimates?

2                   And then, again, on antibiotic resistant  
3       pathogens, those are leading to -- currently  
4       leading to longer hospital stays for many  
5       patients. So what are the impacts there as people  
6       are being exposed to antibiotic resistant  
7       pathogens? How does that impact the model in  
8       terms of morbidity or mortality? So a note for  
9       both of those for something for ERS to consider as  
10      they're doing updates on these models.

11                   Any questions or comments on that?

12      Okay. And then, this is our bonus question. We  
13      added this and this is how best can ERS  
14      communicate information to consumers about its  
15      data? So, the Committee recommended the ERS  
16      present this data in different ways depending on  
17      the audience. The scientific community may prefer  
18      to access the raw data, while the general public  
19      may need the data presented in context with  
20      appropriate explanation. Further, extension  
21      specialists may need a mix of the data and  
22      explanatory information. Once attribution data

1 becomes more robust, ERS should consider  
2 incorporating animal-class product pathogen  
3 information into its cost estimates. And then the  
4 Committee noted that breaking out the ERS data by  
5 other variables such as ethnicity or income may  
6 provide useful information and help target  
7 resources that noted that funding such work would  
8 require additional resources. That's a little  
9 repetitive at the end, but.

10 So any questions, comments on that -- on  
11 those points?

12 DR. CRUPAIN: It's Michael Crupain from  
13 Consumer Reports. I would just say that ERS is  
14 really good in many cases of presenting data.  
15 They write very good summaries of their research  
16 and they could do the same type of thing here.  
17 All right, so.

18 DR. WALDROP: Yeah, exactly. So this  
19 was -- we were -- I recommended or talked about  
20 how CDC has been presenting its data recently.  
21 They've done a really good job of giving --  
22 putting out the hard data, the raw data that folks

1       can look at and see what the actual numbers are.  
2       But then they've also done a very good job of  
3       communicating that data and what it actually means  
4       to the public and to all the stakeholders.

5               And so our discussion was around ERS.  
6       You could think about who you're trying to  
7       communicate to; who are your audiences? And then  
8       you may want to do some adjustments. And one of  
9       Sandy's points was that they do a good job of,  
10      sort of, that last one, the extension specialists  
11      where they're mixing the raw data and providing  
12      explanatory that there may be other audiences out  
13      there especially as this data becomes -- as  
14      they're updating it more frequently and this data  
15      becomes more recognized that they may want to  
16      think about different ways to communicate that and  
17      who their audiences are. So, it was, sort of,  
18      noted on that as well.

19             DR. HOFFMAN: Sandy Hoffman, ERS. The  
20      other thing I forgot to mention -- that it didn't  
21      occur to me to mention yesterday is that we are  
22      working with the FSIS Communications Office who I

1 think has even -- is even more consumer focused  
2 and has the information on food handling that can  
3 be added to this, so.

4 DR. WALDROP: Oh, great.

5 DR. HOFFMAN: They are working on using  
6 our data to do communications. So you may see  
7 some of that direct communication to consumers  
8 coming through the FSIS Communications Office  
9 rather than directly through ERS, but we're  
10 working with them.

11 DR. WALDROP: Great. Thanks, Sandy.  
12 Does that help? A little context, Michael? Okay.

13 Any other questions, comments?

14 DR. BOOREN: Betsy Booren, The Meat  
15 Institute. Two quick questions in your  
16 discussion. I know I raised a question in the  
17 briefing earlier in the morning about Healthy  
18 People 2020. Was there any discussion about other  
19 data sets or how this could supplement other  
20 programs within the federal government? That's  
21 the first question. And then the second question  
22 was, was there any discussion as they're looking

1 at different data sets; if we can better  
2 understand the risk of illness if it's at-home  
3 preparation versus outside of home preparation?  
4 And I know those are being tracked in the various  
5 agencies, but didn't know if that was part of your  
6 discussion yesterday as well.

7 DR. WALDROP: So no, we didn't discuss  
8 either of those. I would say let's put a pin in  
9 that and then come back to it and bring that into  
10 the full committee and see if want to make any  
11 recommendations from there.

12 Other questions, comments? John?

13 DR. MARCY: If were doing grammatical --  
14 John Marcy, University of Arkansas. In that last  
15 page, the Committee recommended may prefer to  
16 access the raw data? It seems like there's and  
17 additional word --

18 DR. WALDROP: Oh, yeah.

19 DR. MARCY: -- to.

20 DR. WALDROP: Right.

21 DR. MARCY: And then in the last  
22 sentence, we use the term extension. That's a

1 proper noun and should be capitalized.

2 SPEAKER: It was E, extension.

3 DR. WALDROP: We broke it. Okay.

4 DR. LORENZEN: Our IT specialist had to  
5 turn it.

6 DR. WALDROP: Other comments or  
7 suggestions or questions right now? Great, I'll  
8 turn it back over to Keith.

9 MR. PAYNE: Thank you. So what we will  
10 do is break now. There is coffee outside. We'll  
11 have the second subcommittee report; the revised  
12 draft, a copy for each of you provided during the  
13 break. I see that everyone has a copy of the  
14 revised draft of the first subcommittee report and  
15 then we will resume at 10:15 to continue the  
16 discussion on the first subcommittee report from  
17 the full committee.

18 (Recess)

19 MR. PAYNE: If we can -- let's reconvene  
20 the meeting. And just as a reminder, we have a  
21 sign-up sheet out front there for the public  
22 comment period if you want to make a comment; for



1 the public that is, you can make -- sign in. And  
2 as another reminder, we have -- there's resources  
3 out there. Please feel free to take some back  
4 with you to give to your colleagues and contacts.

5 We're going to start. I believe  
6 everyone has copies of both the subcommittee  
7 reports; the draft reports that is. So we'll  
8 start resuming our discussion as a full committee  
9 on that first subcommittee report and we're just  
10 loading that up here on the laptop in the front.  
11 So as we're getting prepared here getting the  
12 presentation loaded up; for the report loaded up,  
13 and Dr. Booren, if you wanted to lead the  
14 committee through the -- again, the subcommittee  
15 report.

16 DR. BOOREN: Okay.

17 MR. PAYNE: And then if there are any  
18 changes, I guess Dr. Rybolt can -- whatever you  
19 prefer. You can certainly speak in the microphone  
20 at your desk -- at the table there or conduct it  
21 from up here.

22 DR. BOOREN: Got it. I'll go over

1       there. Okay. Okay, good morning, we're back.  
2       Sub-committee 1, I know you have the revised sheet  
3       in front of you that we discussed earlier in the  
4       morning. George, I know you're ready for a  
5       comment or a question.

6               MR. WILSON: George Wilson, Wilson &  
7       Associates. The comment recommendation that I  
8       have for the Committee is on question one, bullet  
9       two, that -- where we're spelling out FDA, APHIS,  
10      EPA, CDC, and the U.S. agencies that are the  
11      international partner side, we should probably  
12      spell out World Health Organization, FAO, and EPSCA  
13      as collaborating partners.

14             DR. BOOREN: So you want to identify FAO  
15      or World Health Organization or is it -- I know we  
16      had a discussion yesterday and that's why I'm  
17      asking for a clarification. There was some  
18      indication that individual companies or -- excuse  
19      me, individual countries may have input. So I  
20      want to make sure we're being reflective of that.

21             MR. WILSON: All right, with  
22      representative countries within FAO would be, you

1 know, that would be as, you know, a very inclusive  
2 group there. And there's an awful lot of data  
3 that's generated between FAO and World Health  
4 Organization with regards to pathogens as well as  
5 hazards and other areas. So I just was thinking  
6 about that.

7 DR. BOOREN: Okay.

8 MR. WILSON: Perhaps spell them out;  
9 identify them.

10 DR. BOOREN: Okay. I will let staff  
11 edit accordingly the proper punctuation and  
12 parentheses and so- forth. It's not my level of  
13 expertise. Thank you, George.

14 Other comments, questions, concerns,  
15 discussions?

16 DR. RYBOLT: Betsy.

17 DR. BOOREN: Who am I missing? Brian,  
18 thank you.

19 MR. SAPP: Brian Sapp, White Oak  
20 Pastures. I think it is a little confusing on the  
21 first two bullet points here. I think we've got  
22 -- the content is correct, you know, as far as

1       what we're trying to get across, but here's the  
2       way I would read this. On the first bullet point,  
3       the Committee recommends that FSIS develop a  
4       strategy to more effectively communicate the NRP,  
5       its mission, and the data it collects to its  
6       stakeholders. These should include, but not be  
7       limited to, industry personnel, trading partners,  
8       laypersons, and technical experts. If that's okay  
9       with everyone? You ready? Develop a strategy --

10               DR. BOOREN: Hold on --

11               MR. WILSON: Okay. (Laughs) I can't see  
12       it, so. I can change this if it's okay. I've got  
13       it written down. I can change it when we're done.

14               DR. BOOREN: If you bring me the written  
15       version that may be helpful.

16               MR. WILSON: I'll do that. So the  
17       second bullet point. Here is what I would  
18       recommend changes. The Committee recommends USDA  
19       develop a working group that includes inter and  
20       intra agency personnel and experts. This working  
21       group would include, but not be limited to, other  
22       agencies that regulate and collect data, and then

1 adding in what we had to add on there a second  
2 ago. Would that be sufficient?

3 DR. BOOREN: So you're -- the general  
4 premise of both of the bullets is good? We're  
5 working on wordsmithing here to be more accurate  
6 and precise.

7 MR. WILSON: Yeah, because it looks like  
8 what we're trying to do in the second bullet point  
9 is make two committees a inter and an intra, but I  
10 think it actually needs to be one committee,  
11 excuse me, one working group. So the Committee  
12 recommends USDA develop a working group that  
13 includes inter and intra agency personnel and  
14 experts. This working group would include, but  
15 not be limited to, the other agencies. And I've  
16 got all that written down. So if that's okay with  
17 the Committee, I'm good on that.

18 DR. BOOREN: Good. Yeah.

19 MR. WILSON: I can do it when -- bring  
20 it up.

21 DR. BOOREN: Might be easier for you to  
22 read it and type that. Let us capture this and

1       then we can get a response. Thank you.

2                               (Pause)

3               DR. BOOREN: So we're going to work on  
4       this. I've been told my instructions. I  
5       understand them a little bit clearer. Are there  
6       other issues that we need to discuss within this?  
7       We'll fine tune this document. It'll be sent back  
8       out to the Committee for review.

9               MR. PAYNE: Yes, this is Keith Payne  
10       from FSIS. What we're doing is that this is the  
11       full committee deliberation to bring a final vote  
12       on the subcommittee report from the full  
13       committee. And we'll get this draft as close as  
14       it can be. We'll send it back to the -- each of  
15       the subcommittee chairs for final review after we  
16       put it into final format and we can -- you fine  
17       tune. And if there's any spelling errors or  
18       grammatical errors we could catch that too from  
19       our end. But this is for the full committee  
20       deliberation and for the final Committee vote on  
21       what you want the draft to look like.

22               DR. BOOREN: Thank you. I'm going to

1 let them keep working. Other discussion,  
2 comments. I know Sub- committee 1 went in-depth.  
3 Yesterday afternoon we went the full time. So for  
4 those in Sub-committee 2, any other questions or  
5 concerns? Well, hearing none, can we call for a  
6 -- it would be appropriate to call for a vote?  
7 Okay. Do you guys have any other outside of this?

8 MR. SAPP: Just grammatical stuff.

9 DR. BOOREN: All right, we'll continue  
10 on that. I would like to call for a vote from the  
11 full committee to approve this report. I assume  
12 all in favor? Aye?

13 GROUP: Aye.

14 DR. BOOREN: Any opposed? To my  
15 knowledge, I think you have consensus that this  
16 report should go through as final.

17 MR. PAYNE: Great. Thank you, Dr.  
18 Booren and thank you Sub-committee 1 and the full  
19 committee. So we will, again, we'll send that  
20 back to the subcommittee chair after we put in  
21 final format for final review.

22 Now we're going to turn to the second

1       subcommittee report for full committee  
2       deliberation. You have copy -- a hardcopy of that  
3       report; the draft report in front of you. So this  
4       is, again, a full committee deliberation before a  
5       final full committee vote on Sub-committee 2  
6       report. And we'll have Mr. Chris Waldrop, you  
7       know, lead the discussion and it looks like Dr.  
8       Lorenzen will take care of the notes.

9                 DR. WALDROP: All right, Chris Waldrop,  
10       Consumer Federation. We're back. I guess we'll  
11       just go back through the questions and see if  
12       folks have any additional suggestions, discussion  
13       points, et cetera.

14                So Question 1. I'm not going to reread  
15       this, so just raise your --

16                DR. BOOREN: Betsy Booren, The Meat  
17       Institute. I don't know where because I know you  
18       guys got into the weeds on this, but I do think  
19       it's important that this committee acknowledges  
20       that there are other public health initiatives  
21       across the administration that this, perhaps,  
22       could feed into or be integrated into in some form



1 or fashions. And I know I've talked about the  
2 Healthy People 2020, but there is a process.  
3 There is a mechanism in place and as a stakeholder  
4 for our government, the disconnect many times  
5 between these initiatives, I think, I see very  
6 close parallels to the work in Healthy People and  
7 there may be others that I would open it up to the  
8 committee or staff as they're looking at that that  
9 we align these better with. I think these type of  
10 illness outcomes could really strengthen many of  
11 those other initiatives. And Healthy People 2020,  
12 the Healthy People Program, I think it's good  
13 because it has a 10 year review and then a 10 year  
14 setting of goals which seems to be appropriate for  
15 public health outcomes and measuring as well as a  
16 review every five years. And so I'm not sure  
17 where that fits into this, but I think encouraging  
18 USDA, ERS, FSIS to make sure that these type of  
19 analysis are included in these other public health  
20 initiatives is really critical; it leverages  
21 resources, minimizes waste. So I don't know where  
22 you think that belongs, but.

1 DR. WALDROP: All right.

2 DR. JOHNSON: Alice Johnson, Butterball.

3 I think it does belong in this first bullet  
4 because we talk -- you know, it's asking the  
5 question. As for the next five year update, it  
6 may be to the subcommittee group, maybe we put  
7 some narrative in about talking about, you know,  
8 recommending FSIS -- ERS coordinate with various  
9 other groups to share data such as the Healthy  
10 People initiative, you know, others that we might  
11 want to -- and be specific and put that in a  
12 bullet point in this document.

13 DR. WALDROP: So -- Chris Waldrop,  
14 Consumer Federation. Sort of a clarification  
15 question; is that what you're asking? What  
16 you're, sort of, suggesting is that ERS coordinate  
17 with other federal agencies to share data on --  
18 you know, share their -- this data on cost  
19 estimates of foodborne illness outbreaks or -- is  
20 that what you're --

21 DR. BOOREN: Yeah, this is Betsy with  
22 The Meat Institute. Not only share, but if they

1       have data that could be utilized as well within  
2       those initiatives, that may help strengthen this  
3       type of analysis making sure that that  
4       communication and the agencies are aware of what's  
5       available.

6                 DR. WALDROP:   Okay.   Other comments or  
7       thoughts on this?

8                 MS. JENKINS:   This is Sherri Jenkins  
9       with JBS.   If Sandy Hoffman's here, if she could  
10      maybe stand up and let us know if that is  
11      plausible with their current calculator in -- or  
12      if that would change anything because my  
13      understanding is that their whole calculator was  
14      based off of the CDC assessments that have come  
15      out of the data.   And they just take that and put  
16      it into their calculator and add it in there.   So  
17      I'm not sure how the Healthy People 2020  
18      information will fit into your calculator or your  
19      estimate.

20                DR. HOFFMAN:   Sandy Hoffman, USDA  
21       Economic Research Service.   I'm not certain  
22       exactly how our -- how Healthy People 2020 would

1       use our information. We can certainly make sure  
2       that we share it with them. We can certainly make  
3       sure one of the things we can look at is  
4       coordinating to see if we can come out in similar  
5       timeframes. Different agencies -- we will  
6       certainly be working with scientists across the  
7       agencies as an advisory groups as we develop our  
8       disease modeling and revise our disease modeling.  
9       But I will say that I think Healthy People 2020  
10      will have their own approaches to modeling their  
11      own needs and I don't think I can -- I don't think  
12      it would be -- I don't think we can -- how do I  
13      say this? What we're doing may not feed directly  
14      into what they're doing, but we can certainly make  
15      them aware of it.

16               DR. BOOREN: This is Betsy with The Meat  
17      Institute. I would challenge the agencies to  
18      consider better ways of leveraging all the  
19      resources and that there may be tweaks to models  
20      that may need to be done, but leveraging across  
21      agencies for resources and management I think is  
22      critical. We don't -- do not need to be

1       duplicative if we've got resources within ERS or  
2       other agencies to achieve the same goals. And so  
3       I would encourage the agency -- USDA -- it may not  
4       be possible, but I would encourage that outreach  
5       and if changes need to made that when we report  
6       back to the Committee that you adequately explain,  
7       perhaps, why it's not being done or why they are.  
8       I think would be useful for the Committee in the  
9       future.

10               MS. JENKINS: So, Sherri Jenkins, JBS.  
11       Would that whole thing be better off in bullet  
12       point six, right? Because we're saying then that  
13       Healthy People 2020 would be like a consumer or --  
14       of the ERS data potentially. So just another way  
15       to feed it to them because I think these first --  
16       this first question is just, on the basis of what  
17       ERS is currently doing and what other information  
18       can they use to make their cost model estimates  
19       better. And I don't know if the Healthy People  
20       2020 information would be able to do that so much  
21       as the information ERS gets out of it would be  
22       able to help guide the Healthy People 2020 goal I

1 think is, kind of, what we're talking about and  
2 maybe I'm just trying to understand it in my head  
3 a little bit better, but I don't know.

4 DR. WALDROP: So that's -- we were  
5 thinking, sort of, that. Question 6; it made  
6 sense there, is this is about communication and  
7 getting the information out; I mean, fits in that  
8 sort of thing.

9 DR. LORENZEN: Something like, in  
10 addition, the Committee recommends that ERS share  
11 their data with other federal agencies? Does that  
12 sound good?

13 DR. WALDROP: Let's try that.

14 DR. JOHNSON: Alice with Butterball. I  
15 just want to say I like Question 5 because it all  
16 revolves around the five year update and to be  
17 able to coordinate the ERS updates with the  
18 Healthy People or other groups I think would be  
19 useful.

20 I think our last question talks about  
21 communicate information to consumers and I think  
22 what we're talking about at this point -- and I'm

1       just -- I'm not going to, you know, everything's  
2       fine, but my reasoning for question -- putting it  
3       under Question 1 was just because of their  
4       updating, because of looking at what they're doing  
5       I think the last one is -- the question is more  
6       about consumer education and this is more about, I  
7       guess, collaboration within the agencies. But I  
8       can go either way.

9               DR. WALDROP: And I made up that last  
10       question so it probably is more -- ERS is probably  
11       more concerned about communication generally than  
12       just to consumers.

13              DR. JOHNSON: Well maybe we can --

14              DR. WALDROP: So maybe we just delete  
15       that to consumers on that -- in that question.

16              DR. PHEBUS: Chris, can I ask a quick  
17       question on that consumers -- our made up Question  
18       6? I think the word consumers in that question  
19       isn't what we really need. I think it means users  
20       of the data because it may not be consumers. It  
21       could be government agencies or whatever. So  
22       users of the data, not consumers of the data.

1 DR. WALDROP: Great. Good point. Oh,  
2 sorry. That was Randy Phebus from --

3 DR. PHEBUS: Randy Phebus, Kansas State  
4 University.

5 DR. JOHNSON: I like it and let's be  
6 even more specific to say such as group such as  
7 Healthy People. How about that so that we --  
8 information to consumers, stakeholders, and other  
9 agencies and groups.

10 DR. WALDROP: I'm sorry, Alice. Where  
11 are you suggesting we put that; in that question  
12 -- in the actual question or --

13 DR. JOHNSON: Yeah. As we look at the  
14 question for providing education, as Randy said,  
15 consumers, let's expand it out to give some  
16 examples --

17 DR. WALDROP: Okay.

18 DR. JOHNSON: -- and that would include  
19 the Healthy People 2020.

20 DR. WALDROP: Okay, so --

21 DR. JOHNSON: I think 2020 like the --  
22 2020 of the year.



1 DR. WALDROP: I think it's 2020 of the  
2 year; are the vision. All right. So let me come  
3 back to that in a second, Alice. So this last  
4 sentence we've added; in addition, the Committee  
5 suggested ERS communicates the data resources --  
6 its data resources and collaborates with other  
7 federal agencies and initiatives such as Healthy  
8 People 2020. Does that capture what everyone was  
9 -- okay.

10 DR. JOHNSON: Thank you. That's fine.

11 DR. WALDROP: So does that address  
12 everyone's -- the concerns that were raised?  
13 Okay.

14 Okay, so let's go back up to Question 1  
15 and make sure we're all good on that one.

16 DR. LORENZEN: I don't even have a  
17 laptop.

18 DR. WALDROP: Okay, so any other  
19 comments, questions on Question 1?

20 DR. BOOREN: This is Betsy with The Meat  
21 Institute. Additional hazards; and this may be  
22 delineating out some of the hazards. I know we're

1 collecting better data from other agencies like  
2 CDC and you reference illness and attribution.  
3 There are segments of at-home or away from home  
4 type of illnesses and I -- as it leads into your  
5 made up question for number six, I think there  
6 could be value. I don't know if it's possible,  
7 but value and better understanding where the  
8 foodborne illness risk may be at home or away in  
9 trying to get to those risks and making sure we  
10 communicate to consumers.

11 DR. WALDROP: So at the end of Question  
12 we have -- we talk about breaking out the ERS data  
13 by different variables. So we - we've discussed  
14 at our committee --

15 DR. BOOREN: Okay.

16 DR. WALDROP: -- ethnicity and income.  
17 You could certainly put location there if that's  
18 what you're getting at.

19 DR. BOOREN: That would be perfect. I  
20 didn't know if it was one or six, but --

21 DR. WALDROP: Okay.

22 DR. BOOREN: -- I -- we are getting

1       better at collecting data and new variables and I  
2       think that might be a valuable one and would help  
3       with other outcomes among agencies as well as we  
4       measure risk.

5               DR. WALDROP: And as we discussed in our  
6       committee, some of that information may not be  
7       there yet. But eventually as you build this out  
8       and ERS continues to update its model and you get  
9       more information from all these other different  
10      areas, you can start putting that together and  
11      coordinating it and make it start to get a sense  
12      of, you know, can you stratify a lot of these  
13      things.

14             So we've now changed this to the  
15      Committee. Again, the last paragraph in Question  
16      6. The Committee noted that breaking out the ERS  
17      data by other variables such as ethnicity, income,  
18      or location where illness occurred may provide  
19      useful information and help target resources.

20             And I just -- one friendly amendment,  
21      let's just delete the or. After occurred put et  
22      cetera just to, kind of, make the point there's

1       probably other data out there. And then that  
2       would capture other data as well.

3               DR. JOHNSON: Do we need to be more  
4       specific when we say location because -- does that  
5       sound more like, you know, geographical location  
6       versus -- because we're talking about specific  
7       step in the process of food -- just somewhere so  
8       we're not targeting that geographical as to what  
9       we're -- yeah, but --

10              DR. LORENZEN: Carol Lorenzen,  
11       University of Missouri. Eventually you'd want  
12       both in with the et cetera there. That gives them  
13       the flexibility.

14              DR. JOHNSON: Okay.

15              DR. CRUPAIN: Michael Crupain from  
16       Consumer Reports. I think this concept probably  
17       belongs better with attribution because we're  
18       talking about where -- what type of meat it's  
19       coming from or what the source of that infection  
20       is, right. Is it cooking at home or in the store?  
21       I feel like those are closely related concepts.  
22       Does that --

1 DR. LORENZEN: So Michael, Carol  
2 Lorenzen with the University of Missouri, do you  
3 want this to go up again in that little paragraph  
4 before?

5 DR. CRUPAIN: I think it -- to me, it  
6 makes more sense there because I feel like that --

7 DR. LORENZEN: Well, you probably want  
8 it in both places, right?

9 DR. CRUPAIN: Yes.

10 DR. WALDROP: Yeah, so preparation  
11 location, we've added that to that sentence. Does  
12 that make sense?

13 The other terminology might be point of  
14 contamination? I don't know if that gets to more  
15 -- I'm, kind of, open either way. If we're happy  
16 with preparation location, that's fine. Okay.

17 So let's go back up to one. Other  
18 comments, questions, suggestions? Brian?

19 MR. SAPP: Brian Sapp, White Oak  
20 Pastures. I think it is important to stress in  
21 here somewhere to have CDC update their numbers as  
22 often as possible because I think this hinges, you

1        know, on those numbers. And if they're, you know,  
2        if we're updating ERS information every five  
3        years, the CDCs updating every 15 years, it's  
4        really counterintuitive to try to do that. So I  
5        think if everybody understands, you know -- let's  
6        put it in there where everybody understands it.  
7        This is hinged on CDC's information. You know,  
8        let's push CDC to update their information at some  
9        chronological, you know, time and then, you know,  
10       we can update this information so it coincides  
11       with each other so everybody's not always five  
12       years, you know, apart.

13                DR. WALDROP: Chris Waldrop. So,  
14       absolutely. The last sentence there in that  
15       section --

16                MR. SAPP: Yeah.

17                DR. WALDROP: -- references that. If  
18       you don't think that's strong enough. If you want  
19       to reword that, we're certainly open to that.

20                MR. SAPP: I think -- Brian Sapp, White  
21       Oak Pastures. I think let's make it a little  
22       stronger that CDC needs to update their stuff.

1 (Laughs)

2 DR. WALDROP: So --

3 DR. LORENZEN: Carol Lorenzen,  
4 University of Missouri. Some of our discussion  
5 also hinged on how resource-intensive it had been  
6 for them to update it and -- so that was part of  
7 the problem because we didn't see those papers,  
8 but Sandy said there's a ton of authors on it.  
9 And so it really takes a lot of time, energy, and  
10 money. So we can make a suggestion, but it's not  
11 our resource.

12 MR. SAPP: Is that getting -- I mean, is  
13 that process getting any easier or is it still --

14 DR. PAPPADIOANOU: Is this on?  
15 Marguerite Pappaioanou, CDC. It is a very  
16 labor-intensive process and updates really would  
17 require national population surveys that are very  
18 expensive. So there definitely is a resource  
19 constraint. It is not because CDC doesn't wish to  
20 provide more frequent updates. They would love to  
21 do that, but it does require additional resources  
22 above and beyond what the agency currently has; so

1 to comment.

2 DR. HOFFMAN: Sandy Hoffman.

3 Marguerite, I have a question for you. Would be  
4 helpful to CDC in getting resources to have a  
5 statement from committees like this that this is  
6 an important activity?

7 DR. PAPPALIOANOU: Yes, I -- you know, I  
8 think that's always important and so that's why  
9 I've, kind of, been quiet. But any help that can  
10 be given to, you know, to -- so that the CDC can  
11 make the argument for greater resources. And it  
12 also could lead to potentially other agencies  
13 contributing to the cost of carrying out these  
14 surveys where it wouldn't necessarily be borne by  
15 CDC alone, but if it is important to USDA and  
16 other departments, that it might also be an  
17 impetus where other agencies might contribute our  
18 resources to the conduct of the work that's needed  
19 to update the numbers.

20 MR. SAPP: Brian Sapp, White Oak  
21 Pastures. I changed my statement. Maybe we  
22 should, you know, look at a way to encourage, you



1 know, helping CDC. These numbers are important to  
2 USDA and I'm sure that some of these new programs;  
3 the 2020 stuff, are going to feed numbers from CDC  
4 to get some of their reports. You know, let's  
5 offer some help, you know, for CDC to, you know,  
6 to be better at updating their numbers. You know,  
7 financially -- you know, financial help from USDA  
8 or, you know, these other programs where, you  
9 know, we stress the importance of those numbers if  
10 you think that's helpful.

11 DR. WALDROP: Betsy?

12 DR. BOOREN: Chris, I know we're, sort  
13 of, stepping outside our -- Betsy Booren, The Meat  
14 Institute. Thanks, Sherri. We're outside some of  
15 our scope. I think from this committee, as  
16 someone who uses all this data on a regular basis  
17 as we represent our stakeholders, I think it's  
18 important to acknowledge the difficulty of doing  
19 illness in attribution, acknowledge this committee  
20 that it's critical to the success of USDA's  
21 efforts including this. And that we would be  
22 supportive of additional resources as appropriate

1 by the administration. But I think I like the  
2 sentence of -- that we're emphasizing, but I think  
3 it's important for an advisory group like this to  
4 acknowledge the challenges that we know are  
5 happening and try to provide some support on how  
6 to get additional resources to support the  
7 activities within our scope. And I leave that to  
8 the discretion of you, but something along those  
9 lines, I think, acknowledges what we need for what  
10 USDA needs to achieve their mission, but also  
11 understanding that intra-agency, interagency data  
12 sharing.

13 DR. WALDROP: Let's just try to get some  
14 words up on the board and then we can play around  
15 with them.

16 DR. PAPPADIOANOU: Marguerite  
17 Pappaioanou, CDC. I also would like just to add  
18 to my prior comments for the record that CDC does  
19 appreciate the support that FSIS already does and  
20 contributes to the surveys and programs such as  
21 FoodNet and other work that goes into the  
22 provision of these estimates, so. That

1       intra-agency cooperation is happening and  
2       supportive funding is already happening and I just  
3       want to acknowledge that.

4                 DR. WALDROP: Let's try this one. The  
5       Committee emphasized the importance of more  
6       frequent updating of foodborne illness incidents  
7       and attribution data provided by CDC. The  
8       Committee acknowledges the resource challenges in  
9       collecting this data, but the data is critical for  
10      accurate and timely cost modeling by ERS. The  
11      Committee recommends continued support by FSIS and  
12      suggests potential additional support by the  
13      federal government.

14                DR. BOOREN: This is Betsy with The  
15      Institute. I support the premise of that  
16      statement however we wordsmith later, but the  
17      spirit of it, I'm on board.

18                DR. WALDROP: Okay, does the premise of  
19      the statement sound good to everybody? Can you  
20      help us make it sound better? (Laughs)

21                DR. BOOREN: I would be happy -- this is  
22      Betsy with The Institute, to do that offline if --

1       just to keep a schedule if we need to do that.

2               DR. WALDROP:  Is everyone fine --  
3       comfortable with us just wordsmithing this a  
4       little bit afterwards?  Okay.  Great.  Anything  
5       else on number one?

6               DR. LORENZEN:  Chris, Carol Lorenzen,  
7       University of Missouri.  Just want to point out,  
8       Betsy, you had commented on research and we do  
9       have it up here on the second paragraph realizing  
10      that FSIS doesn't provide research funds, but they  
11      do provide a prioritization which -- so it at  
12      least works with the other funding agencies within  
13      USDA.

14              DR. WALDROP:  Okay, we'll move on to  
15      number two.

16              DR. BOOREN:  Betsy with The Meat  
17      Institute, again.  It struck me during the break,  
18      could you recommend other developing estimates of  
19      incidents?  I'm not sure we're within the  
20      scientific literature.  This is where my ignorance  
21      comes out, but there are always estimates from  
22      insurance companies and other, I would say,

1 non-traditional sources that may have incidents of  
2 health outcomes has -- and I don't know if that  
3 came up during your discussion, but that might be  
4 a recommendation to see if there are other illness  
5 estimates that may be out there that are non-  
6 traditional than are currently being used.  
7 Insurance companies is one example. I don't know  
8 if that's in the scientific evidence that can be  
9 used, but it may be worthwhile having what they  
10 call gray data to help provide some and then  
11 explain it.

12 DR. WALDROP: Michael?

13 DR. CRUPAIN: Michael Crupain from  
14 Consumer Reports. I'm a preventive medicine  
15 physician. That means I'm a part-time  
16 epidemiologist. So I think this is an interesting  
17 question and, you know, this -- as we were, kind  
18 of, just talking about in the last question, this  
19 data is very, very, very, very difficult to  
20 collect and I think the CDC does a really good job  
21 of -- and they have a huge surveillance system.  
22 So I would think that you -- ERS would want to,

1       sort of, work with CDC to see if there's any  
2       additional data that they can, sort of, lay their  
3       hands on, but I wouldn't encourage you to just go  
4       and try to do this on your own if that's, kind of,  
5       what this question is getting at.

6               DR. BOOREN:   Okay, thank you.

7               DR. WALDROP:   Sandy, just to, kind of,  
8       put those two points together. Does that make  
9       sense in terms of a recommendation and working  
10      with CDC to identify additional data? I assume  
11      CDC could bring in some of that non- traditional  
12      data or take at least -- be able to have the  
13      capacity to review it.

14              DR. HOFFMAN:   I think in general what --  
15      we follow CDCs lead on this and I know that  
16      they're working very -- like, in the infectious  
17      disease estimates for foodborne illnesses, they've  
18      worked extremely hard at identifying it;  
19      exploiting any available data. Certainly -- so  
20      this question was included in case there were  
21      additional hazards that weren't included in the  
22      CDC estimates that were important to the meat

1 industry that we should be considering. And if we  
2 were to do that, we would be working with CDC to  
3 see what is an appropriate way of modeling the  
4 disease incidents. The purpose of my including  
5 that question was to see if there's any  
6 information out there that we might be -- might  
7 need to be aware of, that we might not be, and we  
8 could bring that to those discussions.

9 DR. WALDROP: Yeah, so it sounds like  
10 you're already working with CDC, so I don't know  
11 if we need to make any changes to this if --  
12 unless folks think we just need to reemphasize the  
13 fact that they should continue to work with CDC.  
14 So let's -- we can just put something there. The  
15 committee recommends that ERS continues to work  
16 with CDC to identify available data; all relevant  
17 data.

18 DR. BOOREN: To identify?

19 DR. WALDROP: Yeah. So just a generic  
20 comment, the Committee recommends that ERS  
21 continues to work with CDC to identify all  
22 relevant data. Does that -- yes. Okay, Question

1       3.

2               So again, these are some suggested  
3       research papers on long-term health consequences,  
4       the short-term outcomes, and the difference  
5       between illnesses from STEC and 0157 and non-0157.  
6       Any comments, additions, suggestions on this?  
7       Okay, great.

8               Question 4. Comments, questions,  
9       suggestions? All right.

10              Question 5. Comments on this one? All  
11       right. And Question 6. And here's where we added  
12       the information about -- So this one says the  
13       Committee recommended that ERS present its data in  
14       different ways depending on the audience. The  
15       scientific community may prefer to access the raw  
16       data while the general public may need the data  
17       presented in context with appropriate explanation.  
18       Further, extension specialists may need a mix of  
19       the data and explanatory information. In  
20       addition, the Committee suggested ERS communicates  
21       its data resources and collaborates with other  
22       federal agencies and initiatives such as Healthy



1 People 2020. Once attribution data becomes more  
2 robust, ERS should consider incorporating animal  
3 class, product, pathogen, preparation, location  
4 information into its cost estimates. And the  
5 Committee noted that breaking out the ERS data by  
6 other variables such as ethnicity, income,  
7 location where illness occurred, et cetera, may  
8 provide useful information to help target  
9 resources, but noted that funding such work would  
10 require additional resources.

11 Any comments, questions, on our work?

12 DR. CRUPAIN: Michael Crupain from  
13 Consumer Reports. Maybe going back to number two  
14 for one second. If --

15 DR. WALDROP: We're done. Sorry. We're  
16 at six now. (Laughter)

17 DR. CRUPAIN: No, but I don't have to  
18 add anything, I just -- maybe to clarify it. If  
19 you're asking -- I mean there're some things that  
20 have gone into this recommendation about  
21 antibiotic resistance and I was talking about E.  
22 coli's causing urinary tract infections. And

1       that's something that CDC might not have. So in  
2       that case, I think, you would just have to do what  
3       you'd normally do and just go to the scientific  
4       literature and use that. I don't think there's  
5       any extra sources that exist beyond that.

6               DR. HOFFMAN: We -- we'll do that, but  
7       it, you know, just -- there's a lot of smart  
8       people here in case -- and we have -- there's some  
9       suggestions here that are helpful. It'll make our  
10      work more efficient. So that was very helpful.

11             DR. LORENZEN: So you want something  
12      included in Question 2 and 3?

13             DR. CRUPAIN: I don't think it's  
14      necessary to include it. I think that's --

15             DR. LORENZEN: Okay.

16             DR. CRUPAIN: -- what they'll do.

17                     (Laughs)

18             DR. WALDROP: Okay.

19             DR. CRUPAIN: Just wanted to make sure  
20      we were communicating properly.

21             DR. WALDROP: Great. Any last comments,  
22      edits, changes? No.

1                   All right then. We will do some minor  
2       wordsmithing on that one paragraph, but aside from  
3       that I think -- can we go ahead and approve that?  
4       So I'd like to recommend that we -- the committee  
5       approves this document for final submission. All  
6       in favor?

7                   GROUP: Aye.

8                   DR. WALDROP: Any opposed? All right.  
9       Thank you very much.

10                  MR. PAYNE: Thank you, Chris. And as I  
11       indicated before we will be sending these final  
12       recommendations back out to the subcommittee  
13       chairs for final review and then we will be  
14       posting these to our website as well as the  
15       transcripts of the entire meeting after we get the  
16       report -- the transcripts back from the recording  
17       company to review. That takes some time just to  
18       make sure that words are spelled correctly,  
19       acronyms are referred to correctly, and so forth.  
20       So once that all goes up, we will be announcing  
21       that to the constituent update. Any questions and  
22       so forth, you can refer to Natasha Williams, Jane

1 Johnson on our staff. They will be sending the  
2 reports back to you for review.

3 Now according to our schedule, we have a  
4 public comment period for half an hour. I do  
5 believe we have one person who did sign up on the  
6 registration sheet outside. Mr. Hunter, I  
7 believe, if you could identify yourself and  
8 organization when you come up to the mic, we can  
9 start the public comment session now.

10 MR. PLUNKETT: I didn't realize my  
11 handwriting was that bad. (Laughs) David  
12 Plunkett with the Center for Science in the Public  
13 Interest. We're a consumer advocacy organization  
14 that works on the issues of nutrition, health, and  
15 food safety. And we accept no government funding  
16 or industry funding. And what I really wanted to  
17 do was -- I had hoped to comment yesterday during  
18 the deliberations, but as it ended up, the  
19 Committee actually went where I would've asked  
20 them to go. So all my comments are actually just,  
21 sort of, complementary to the work you did and I  
22 want to thank you for that. Thank you for the

1 work you are doing and urge the agency to take  
2 on-board the recommendations that you've made  
3 today and incorporate those into the programs; in  
4 particular the National Residue Program.

5 Just going through some of the comments  
6 I had hoped to make and to offer them, as I say,  
7 in a complementary way to what the committee said.  
8 On Question 1, I did want to mention that CSPI  
9 does support the shift of multi-drug sampling that  
10 the agency has done in the National Residue  
11 Program. We found in the milk program that the  
12 focus on beta-lactams has actually led to  
13 substitution rather than solving the problem  
14 because the milkers know that they will be tested  
15 for beta-lactams, but they won't be tested for  
16 other items in a regulatory way. And so doing  
17 multi-drug sampling really makes the program work  
18 better as a deterrent to misuse of drugs, misuse  
19 of any kind of additives or any kind of materials  
20 that may be put in the animal feed or maybe  
21 injected into animals.

22 And also, it's an important factor that

1       this program -- you know, I want to make sure that  
2       I say that this program's incredibly important to  
3       consumers because it finds the things that  
4       consumers would not be able to discover until they  
5       would have the health impacts from having  
6       ingested, say, a drug or ingested a chemical that  
7       had some consequence for their body.

8               And it also is important for the  
9       industry because it supplies -- it solves for  
10      asymmetrical information. In the National Residue  
11      Program, they report on repeat violators and that  
12      report is made available publicly so you know who  
13      is having problems; who is creating problems. And  
14      that allows the industry to focus on those people  
15      and to take them out of the supply line if that's  
16      the appropriate response.

17             And finally, it also notifies the other  
18      agencies; in particular the FDA where they need to  
19      focus some of their regulatory efforts. And FDA  
20      has been successful in going out to some of the  
21      farms; in particular, dairies where we've been  
22      seeing a large number of residue violations. They

1       have been effective in going out there and  
2       stopping those operations. At least on the meat  
3       supply side, one of the things we're hoping is  
4       that the agency will also look and ask is there a  
5       collateral impact on the dairy side. If a farm is  
6       misusing drugs, misusing chemicals in the raising  
7       of their animals and they're producing both milk  
8       and meat, then does the fact that it's showing up  
9       in the meat tissues, does that also fold-over and  
10      indicate there may be problems on the milk side.  
11      Currently, FDA doesn't look at both sides of that  
12      question.

13               On the second question that was asked on  
14      recognizing -- well, I wanted to note that we need  
15      to recognize the potential that in targeting the  
16      samples, that if you become too focused on past  
17      problems you may fail to catch the emerging ones.  
18      And so I appreciate that the Committee put in a  
19      requirement -- put in a request that they do  
20      random sampling and maintain that random sampling  
21      so that they don't become so focused on their  
22      targeted problems that they forget to look around

1       and see if there are emerging new problems.

2               On question number three with regard to  
3       known and unknown, one of the things that I'd like  
4       to offer is a complementary suggestion to what the  
5       Committee is proposing is, for the agency to look  
6       at trends in animal husbandry as well as looking  
7       at other factors because these trends may tell you  
8       where you may see an emerging problem if people  
9       are changing the way they're medicating animals,  
10      if they're changing the way feed is made, if  
11      they're changing the practices on the farm or in,  
12      you know, in confined feeding activities.  
13      Whatever may be done, all of those things may  
14      factor in to when you might see residues in the  
15      meat.

16             And on the part of imports, I'm glad  
17      that the Committee caught the fact that there are  
18      other countries that have other rules. And so we  
19      know that there are approved drugs in some  
20      countries that are not approved here. We need to  
21      be testing for that at the border to make sure  
22      that those countries are not exporting meat that



1       might be acceptable in their program, but not  
2       acceptable in ours.

3               And finally on Question 4 on the  
4       question about whether or not you should rank the  
5       hazards. I would offer that one of the things  
6       that should be done is you should, in considering  
7       the public health impacts, consider the collateral  
8       impacts as well. Not just the immediate impact of  
9       if there is a harmful drug; say gentamicin in the  
10      meat, that does have an impact -- an immediate  
11      impact on a person's health, but you also need to  
12      look at the collateral impacts. Does the use of  
13      gentamicin indicate possibly injudicious use of  
14      antibiotics on the farm leading to any microbial  
15      resistance? And if that is so, then you really  
16      need to rank -- finding that a little bit higher  
17      than just for the health impact of the immediate  
18      consumption of the meat, but also the health  
19      impact on the larger public. If resistance gets  
20      out and affects more than just the person who's  
21      going to be consuming that food.

22             And that was really the substance of

1       what I had hoped to say yesterday. But like I  
2       said, I would've been wasting my time because you  
3       went where I wanted you to go anyway and I  
4       compliment the Committee on doing that, compliment  
5       the Committee on its recommendations and its  
6       deliberations. You've done a very excellent job  
7       and look forward to the agency implementing these  
8       proposals. Thank you.

9               MR. PAYNE: Thank you, Mr. Plunkett.  
10       Any other folks who want to make a comment? Any  
11       issues, comments from the committee members? Dr.  
12       Rybolt.

13              DR. RYBOLT: Michael Rybolt, Hillshire  
14       Brands. I just want to thank you and your staff  
15       and the agency for bringing these topics to the  
16       Committee. I think they were very good topics,  
17       good discussions. Not necessarily topics that  
18       we'd necessarily consider or expect to consider  
19       during these deliberations, but obviously, we had  
20       a lot of discussion and the committee was  
21       terrific. So thank you and your staff for  
22       bringing that also. Thank you for the updates

1       that you continue to provide us and also bring  
2       forward some of the contemporary topics, such as  
3       what was that; tiger meat or whatever. That was  
4       new to me.

5                       (Laughter) So I appreciate that  
6                       and thank you.

7               MR. PAYNE: Thank you, Dr. Rybolt. Any  
8       other comments?

9               DR. CRUPAIN: Michael Crupain from  
10      Consumer Reports. I just had to also thank you  
11      for coordinating the event and all the, sort of,  
12      logistics that went into it. It was very smooth  
13      and easy.

14              MR. PAYNE: Thank you, Dr. Crupain. One  
15      final call. Okay, we're going to turn the meeting  
16      over to our deputy administrator of FSIS, Mr. Phil  
17      Derfler for the closing remarks and to adjourn the  
18      meeting.

19              DR. DERFLER: Okay, I'm not going to  
20      take very long. I mean, there's no reason to. I  
21      want to join everybody else in saying thank you.  
22      Thank you to all of you. We know you're really

1        busy people.  You're here because you have  
2        expertise and because of the work you're doing  
3        with your other lives and your willingness to take  
4        time out to come and help us with these issues.  
5        It's really appreciated by the agency.  Thank you  
6        for the recommendations that you gave to us.  We  
7        obviously will take them seriously.

8                    To go back to a point that has been made  
9        twice now by Chris and Mike.  We've heard from the  
10       committee in the past that, you know, we didn't  
11       come back.  We would take your recommendations, we  
12       would take them under advisement, and we didn't  
13       use them.  But we've not report back to the  
14       committee on what we did.  That's why we spend a  
15       lot of time yesterday going through the  
16       recommendations that we've heard so that you know  
17       and have evidence that we take them very  
18       seriously.  And one thing you should really know,  
19       there's practically on every single one of them,  
20       we've been back to this committee more than once  
21       seeking your recommendations.  So I really do want  
22       to say thank you for that.

1                   And what I would also ask is that if you  
2           have any comments or suggestions about how we can  
3           do this better or issues even that you think we  
4           should bring to the committee, we'd be happy to  
5           listen to those and consider them. You can e-mail  
6           me [phil.derfler@fsis.gov](mailto:phil.derfler@fsis.gov) or to Michael Watts or  
7           Keith Payne and we'll take it under consideration  
8           as we plan for the next meeting of the advisory  
9           committee.

10                   I want to thank the FSIS people who made  
11           presentations to the committee and to Dr. Hoffman  
12           from ERS for being here and being here the whole  
13           time and the work that she did in preparation for  
14           this.

15                   And then finally, I want to thank the  
16           people from the Office of Outreach and Employee  
17           Training for their work that they did to put this  
18           meeting together. I mean it's really them who did  
19           this. Yesterday Keith went through a list of all  
20           the people who worked hard to put this meeting  
21           together. I don't need to go through that again,  
22           but I do want to thank two people in particular;

1 Jane Johnson and particularly Natasha Williams.  
2 Natasha was here last night after everybody left  
3 cleaning up the room and getting it ready for  
4 today's meeting and she's done a whole bunch of  
5 other things including wrestling with a computer  
6 yesterday. So I just wanted to particularly note  
7 her participation.

8 So with that, thank you all and we'll  
9 see you again I assure you. Bye. (Applause)

10 (Whereupon, at 11:10 a.m., the  
11 PROCEEDINGS were adjourned.)

12 \* \* \* \* \*

13

14

15

16

17

18

19

20

21

22

## 1 CERTIFICATE OF NOTARY PUBLIC

## 2 DISTRICT OF COLUMBIA

3 I, Mark Mahoney, notary public in and  
4 for the District of Columbia, do hereby certify  
5 that the forgoing PROCEEDING was duly recorded and  
6 thereafter reduced to print under my direction;  
7 that the witnesses were sworn to tell the truth  
8 under penalty of perjury; that said transcript is  
9 a true record of the testimony given by witnesses;  
10 that I am neither counsel for, related to, nor  
11 employed by any of the parties to the action in  
12 which this proceeding was called; and,  
13 furthermore, that I am not a relative or employee  
14 of any attorney or counsel employed by the parties  
15 hereto, nor financially or otherwise interested in  
16 the outcome of this action.

17  
18 (Signature and Seal on File)

19 -----  
20

21 Notary Public, in and for the District of Columbia

22 My Commission Expires: March 14, 2018

