

DEPARTMENT OF VETERANS AFFAIRS  
 VETERANS BENEFITS ADMINISTRATION (VBA)  
 VETERANS BENEFITS, COMPENSATION &  
 PENSION SERVICE

+ + + + +

ADVISORY COMMITTEE ON DISABILITY COMPENSATION

+ + + + +

MEETING

+ + + + +

MONDAY  
 MARCH 6, 2017

+ + + + +

The Committee met in the Eighth Floor  
 Conference Room 870, 1800 G Street, NW,  
 Washington, D.C., at 8:30 a.m., Joseph Kirk  
 Martin, Jr., Chairman, presiding.

PRESENT

JOSEPH KIRK MARTIN, JR., Chairman  
 HAL K. BIRD\*  
 DORIS BROWNE  
 GEORGE R. FAY

ELDER GRANGER\*

TIMOTHY J. LOWENBERG

THOMAS J. PAMPERIN

JONATHAN ROBERTS

MICHAEL SIMBERKOFF

## ALSO PRESENT

IOULIA VVEDENSKAYA, Designated Federal Officer  
STACY BOYD, Alternate Designated Federal Officer  
THOMAS J. MURPHY, Acting Under Secretary for

## Benefits

DAVID FORGOSH, GAO  
BENTON GAMMONS, VBA  
VICTOR F. KALASINSKY, VHA  
JENNY KIM, Jefferson Consulting  
JERRY MANAR, Veteran  
BETH MURPHY, VBA  
PAT MURRAY, VFW  
GREGG ORTO, VFW  
DIANE RAUBER, NOVA  
JIM SAMPSEL, VBA

\*via telephone

C-O-N-T-E-N-T-S

Opening Remarks  
 Joseph Kirk Martin, Jr., Chairman. . . . . 4

The Research Advisory Committee on Gulf War  
 Veterans' Illnesses  
 Victor F. Kalasinsky, VHA. . . . . .36

Gulf War Veterans: Issues and Policies  
 Jim Sampsel. . . . . .99

Gulf War Veterans' Illnesses Q&A . . . . . 115

Agent Orange Issues and Policies  
 Jim Sampsel. . . . . 152

Veterans Benefits Administration:  
 Serving Our Nation's Veterans  
 Thomas Murphy. . . . . 212

Compensation Service: 2017 Update  
 Beth Murphy. . . . . 267

Adjourn. . . . . 309

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

2 (8:29 a.m.)

3 CHAIRMAN MARTIN: Welcome to the  
4 Veterans Affairs Advisory Committee on Disability  
5 Compensation, the first meeting of 2017.

6 We last met in December of last year  
7 and I've got a couple of issues I want to bring  
8 you up to speed on but first we will just  
9 introduce ourselves around the table. And let's  
10 start with our VSO comments. Good morning.

11 MR. MURRAY: Good morning. Yes, hi,  
12 my name's Pat Murray. I'm from VFW Legislative  
13 Service.

14 CHAIRMAN MARTIN: Good to see you.

15 MS. KIM: I'm not from a VSO. My name  
16 is Jenny Kim. I represent Jefferson Consulting  
17 Group.

18 CHAIRMAN MARTIN: Welcome.

19 MS. KIM: Thank you.

20 CHAIRMAN MARTIN: Yes, sir?

21 MR. MANAR: I'm no longer with a VSO.

22 CHAIRMAN MARTIN: Enough of a

1 disclaimer.

2 MR. MANAR: I retired on Friday from  
3 the VFW. My name is Jay Manar.

4 CHAIRMAN MARTIN: Good to see you.

5 MR. ORTO: My name's Gregg Orto with  
6 the VFW.

7 MEMBER ROBERTS: Jonathan Roberts,  
8 ACDC Committee.

9 MEMBER LOWENBERG: Tim Lowenberg, with  
10 the committee.

11 MEMBER FAY: George Fay, with the  
12 committee.

13 MS. BOYD: Stacy Boyd, VA.

14 DR. VVEDENSKAYA: Ioulia Vvendenskaya,  
15 DFO.

16 CHAIRMAN MARTIN: Kirk Martin with the  
17 VA.

18 MEMBER SIMBERKOFF: Mike Simberkoff,  
19 on the committee.

20 MEMBER PAMPERIN: Tom Pamperin, with  
21 the committee.

22 CHAIRMAN MARTIN: Thanks to everybody

1 for being here. Hal Bird is online, as well as  
2 Elder Granger and both with the committee.

3 And did we collect Warren Jones yet?  
4 Okay, yes. I think he'll be joining us. And  
5 Doris Browne's with the committee and she is due  
6 to be here in person. Liz Savoca, another  
7 committee member, is ill and unable to attend.

8 Well, there are two things I wanted to  
9 update you on in this opening segment. First of  
10 all, I had a chance to meet with the USB, the  
11 Acting Under Secretary, Thomas Murphy, on  
12 December 8th, after our last meeting and I want  
13 to go over the things that I discussed with him.

14 But I'd really like to open with an  
15 event that I had the privilege of attending,  
16 representing this committee and it was on January  
17 18th. It was the VFW Medal of Honor Reception  
18 here in Washington D.C.

19 My host was the VFW Commander in  
20 Chief, Brian Duffy, and his Deputy Director of  
21 National Legislative Services, Carlos Fuentes.

22 This was an amazing event and brought

1 together about 40 living Medal of Honor winners  
2 who attended this reception. It was eye  
3 watering.

4 The Medal of Honor of course as you  
5 know, is the highest award for valor in action  
6 against an enemy which can be bestowed on a  
7 Department of Defense member by this nation.

8 It's 155 years old, created in 1861,  
9 December of 1861 was when legislation was passed.  
10 Since that time, there have been a total of 3498  
11 Medals of Honor awarded by this nation.

12 Of those 3498, there are only 75  
13 living Medal of Honor recipients. And to have  
14 about 40 at this reception was stunning. It  
15 really was.

16 There are six members still living  
17 from World War II decorations and I'm going to  
18 tell you about one of them, in fact, he'll tell  
19 you about himself in just a moment.

20 I had the privilege, Rick and I had  
21 the privilege of sitting at the table with Donald  
22 E. Doc Ballard, who was a Navy corpsman who was

1 assigned to the Marine Corps in Vietnam in May of  
2 1968. For action he received, taking care of  
3 injured, he received the Medal of Honor in 1970  
4 from President Nixon.

5 The story, and so familiar this was  
6 just in the discussions with these Medal of Honor  
7 winners that I was privileged to have, the story  
8 repeated itself time and again.

9 They, A, didn't want to talk about  
10 what they did, B, they all to a man, said we  
11 carry this Medal forward in honor of those who  
12 didn't come back and we're representing them.  
13 And C, they were all the nicest people in the  
14 world that you could hope to meet.

15 Doc Ballard was tending to a number of  
16 Marines fallen including one who had bilateral  
17 leg injuries from a grenade. And as he was  
18 kneeling over taking care of this Marine, another  
19 grenade landed close to the men he was caring for  
20 and he knew that if the grenade went off that it  
21 was going to kill everybody.

22 And so he jumped on top of this



1 grenade and he sat there for a minute or two and  
2 nothing happened. And, you know, it had to be  
3 every second, it just had to be an eternity.

4 But he finally got up, tossed the  
5 grenade away and it exploded in the air. It's  
6 incredible. And he was wounded I think a total  
7 of six more times, survived his wounds. He is  
8 quite the gentleman and very unassuming. But  
9 it's also the -- yes?

10 MEMBER ROBERTS: Excuse me. To the  
11 best of your knowledge, are there any women who  
12 are Medal of Honor winners in the history of that  
13 honor?

14 CHAIRMAN MARTIN: Yes. In fact, the  
15 very first Medal of Honor was awarded to a  
16 civilian woman surgeon doctor, in the Civil War  
17 and that Medal was then rescinded later and then  
18 finally restored by Congress subsequently. So  
19 yes, and there have been.

20 There's one living survivor Medal of  
21 Honor recipient from Iwo Jima. There are only, I  
22 mentioned, what, six from World War II but one of

1 those is from Iwo Jima, action on Iwo Jima.

2 And his name is Hershel W. Woody  
3 Williams. He is now 93 years old. He was at the  
4 reception and he received the Medal February  
5 21st, 1949, for action on Iwo Jima presented by  
6 Harry Truman.

7 And at the time he told people that  
8 the Commandant of the Marine Corps whispered to  
9 him as he saw him the next day after the Medal  
10 was presented, that he was the caretaker for the  
11 Marines, the caretaker for the Medal in honor of  
12 the Marines that didn't come back in Iwo Jima.  
13 He was at the reception and it was just an honor  
14 to see him there.

15 I found this, he gave a, we made a  
16 video actually from Woody Williams and he can  
17 tell the story better than I can relay it to you.  
18 Thanks.

19 (Whereupon, the above-entitled matter  
20 went off the record at 8:37 a.m. and resumed at  
21 8:41 a.m.)

22 CHAIRMAN MARTIN: Okay. So we'll put

1 that on hold for the time being. It's worth six  
2 minutes of the time to listen to.

3 MEMBER SIMBERKOFF: So I'm curious.  
4 Who was the female surgeon in the Civil War?

5 CHAIRMAN MARTIN: I honestly can't  
6 recall her name.

7 MEMBER SIMBERKOFF: Because there are  
8 not that many women who --

9 CHAIRMAN MARTIN: Apparently not.

10 MEMBER SIMBERKOFF: -- went to medical  
11 school this early.

12 CHAIRMAN MARTIN: Yes, right. Right.  
13 Yes. I have it --

14 MEMBER SIMBERKOFF: It would be a  
15 great thing to look up. She must have been, if  
16 not the first --

17 DR. VVEDENSKAYA: Here she is.

18 MEMBER SIMBERKOFF: Mary Walker.

19 CHAIRMAN MARTIN: Mary Edwards Walker.  
20 Prohibitionist. Golly.

21 MEMBER SIMBERKOFF: What's that?

22 CHAIRMAN MARTIN: She's a

1 prohibitionist.

2 MEMBER SIMBERKOFF: Oh. From  
3 Syracuse.

4 (Simultaneous speaking)

5 CHAIRMAN MARTIN: Careful.

6 DR. VVEDENSKAYA: Wow. Was born in  
7 1932.

8 CHAIRMAN MARTIN: 1832.

9 DR. VVEDENSKAYA: Oh, sorry. 1832.  
10 Way before anybody would be allowed to step into  
11 medical school of any sort as a woman. All  
12 right.

13 MEMBER SIMBERKOFF: The only woman to  
14 receive the Medal and only one of eight  
15 civilians.

16 CHAIRMAN MARTIN: Yes.

17 DR. VVEDENSKAYA: Yes.

18 MEMBER SIMBERKOFF: It was restored in  
19 1977. Wow.

20 DR. VVEDENSKAYA: Oh, wow.

21 CHAIRMAN MARTIN: But it was a  
22 wonderful ceremonial, real privilege to have a

1 chance to attend. Thanks to the VFW for making  
2 that invitation possible. Thank you.

3 Let me just recap quickly the meeting  
4 with Tom Murphy that I had, the Under Secretary,  
5 on December 8th.

6 There was a meeting that followed our  
7 meeting, December 6th and 7th, and a chance to  
8 sit down with the Under Secretary one on one with  
9 no specific time frame. He had plenty of time to  
10 talk and I was grateful for that.

11 We started out by talking about the  
12 state of the Advisory Committee on Disability  
13 Compensation, the fact that we actually were  
14 short a member with John Maki's passing, and that  
15 we currently had 11 members, although we wondered  
16 if we should add a few more members perhaps  
17 another VSO member, another economist or maybe  
18 some other mix of people.

19 I went down the list of the current  
20 committee members, what kind of backgrounds all  
21 of you have and the amazing capabilities and  
22 experience that all of you bring to the

1 committee.

2 I discussed with him the Advisory  
3 Committee Management Office and the impacts that  
4 we operate under and discussed that for a few  
5 minutes.

6 I talked about the biennial report  
7 that we submitted in October of 2016. The major  
8 parts of that including the VASRD and the ways  
9 that it slowed implementation of the new rules.

10 The IU question that we've been  
11 wrestling with for some time, the appeals  
12 process, and the headway that we hope will be  
13 made there. Guard and Reserve issues, the  
14 National Work Queue.

15 We gave the VA, the committees a pat  
16 on the back for the VBA Live Manual which is up  
17 and running now. And basically spent a little  
18 bit of time talking about the Separation Health  
19 Assessments and TAP program, Transition  
20 Assistance Program.

21 I had asked Mr. Murphy for his  
22 guidance for the committee and our 2017 and '18

1 deliberations for the next Biennium and he said  
2 that he would present that to us.

3 We talked about the committee's  
4 activity including the three interim reports. In  
5 October of 2015, the VA concurred with two of the  
6 issues in the interim report and the biennial  
7 reports, dating back to a 2010, 2012, 2014, and  
8 the current one in 2016.

9 And then we finished up the time  
10 talking about the presumptives the VA is involved  
11 in, including Agent Orange, the question of IU,  
12 VASRD, and the progress we hope to see there and  
13 the other issues surrounding our deliberations  
14 over the past several years.

15 It was a really good meeting. He has  
16 fully read into everything that we've been  
17 working on as you would imagine. Offered some  
18 support and hopefully we'll see him again.

19 DR. VVEDENSKAYA: Yes, this afternoon.

20 CHAIRMAN MARTIN: Good. We also had  
21 the chance to extend to the new Secretary of the  
22 VA, an invitation to join the committee. I was

1 interested in your invitation that you noted the  
2 committee had never actually heard from a  
3 Secretary of the VA at the meeting, personally,  
4 which is interesting.

5 Now understandably, he was unable to  
6 make it today, Dr. Shulkin. And hopefully he  
7 will get that on the calendar when it will be  
8 convenient for his schedule and our schedule in  
9 the very near future.

10 We had asked for some guidance from  
11 the top office on the directions for VA, what are  
12 the VA priorities under a VA Secretary Shulkin  
13 Administration and so I think we're going to,  
14 hopefully we'll hear something about that during  
15 the course of this meeting.

16 So that kind of brings us up-to-date  
17 on where we have been since we last met. I'm  
18 happy to see you all here today. I think we have  
19 a busy agenda this week. And as we go through  
20 the next several meetings, we're going to have to  
21 more clearly formulate where our interest and  
22 intention will be directed toward the 2018



1 Biennial Report, and if there's any need for  
2 interim reports prior to that.

3 Opening comments? Any around the  
4 table of Committee Members? Any opening  
5 comments?

6 MEMBER LOWENBERG: What is Mr.  
7 Murphy's permanent position and where will we  
8 expect him to be in the Administration when a USB  
9 is appointed?

10 MEMBER PAMPERIN: He's actually the  
11 Deputy Under Secretary, the Principle Deputy  
12 Under Secretary.

13 DR. VVEDENSKAYA: Mr. Murphy is the  
14 Acting Under Secretary for Benefits.

15 MEMBER PAMPERIN: Right, right. Yes.  
16 His name went forward for the Under Secretary but  
17 that was no guarantee.

18 CHAIRMAN MARTIN: So the answer is,  
19 don't know at this point if he'll stay there.

20 MEMBER SIMBERKOFF: But it's  
21 interesting. One of the things that was raised  
22 in the confirmation hearing for Dr. Shulkin was

1 the issue of IU so he actually spoke at some  
2 point for that and was trying to resolve that  
3 problem as well.

4 MEMBER ROBERTS: Great report.

5 MEMBER SIMBERKOFF: Yes.

6 CHAIRMAN MARTIN: Do you have any  
7 opening comments?

8 MEMBER SIMBERKOFF: No.

9 CHAIRMAN MARTIN: Hal? Any opening  
10 comments, questions?

11 MEMBER BIRD: No. I'm looking very  
12 much forward to the next publication on the Gulf  
13 War. Thank you.

14 CHAIRMAN MARTIN: Good. Thanks for  
15 being here.

16 Elder, any opening comments?

17 MEMBER GRANGER: No. I'm good to go.

18 CHAIRMAN MARTIN: Doris, I missed you  
19 at the end of the table down there. Welcome.

20 MEMBER BROWNE: Thank you. Yes, no  
21 comments. I think that this is a good report.  
22 Looking forward to seeing what we bring to the

1 list of priorities.

2 CHAIRMAN MARTIN: Good. And Warren,  
3 did you make it online yet? Okay. Warren is  
4 recovering from surgery and hopefully he'll join  
5 us later.

6 Any opening -- we have a section  
7 reserved for public comments but if any of you  
8 have any issues that you would like to briefly  
9 unfold at this point I'm happy to hear them.

10 DR. VVEDENSKAYA: If I may, I just  
11 would like to engage as a committee on two items  
12 which Dr. Martin mentioned.

13 One is the state of the 2016 Biennial  
14 Report. As of last week, the report and almost  
15 made it to Mr. Murphy's office, and currently it  
16 is with the Office of Disability Assistance,  
17 otherwise known 20P, and being reviewed over  
18 there.

19 VA response is that it was supposed to  
20 be moving to the Office of Under Secretary for  
21 Benefits either Friday or today since we are  
22 moving.

1                   And the second item was the, as  
2                   General Martin mentioned, that we are looking for  
3                   new members for our committee. And on February  
4                   17 we placed a solicitation of nominations for  
5                   the appointment to our committee in the Federal  
6                   Register.

7                   I forwarded this information to all of  
8                   you for further distribution among your  
9                   colleagues and interested persons.

10                  I also informed the Veterans Service  
11                  Organizations community that we placed such  
12                  solicitation and the deadline is on March 31st.

13                  And all interested persons should  
14                  submit their letter of intent, their full CV, and  
15                  a short bio to the Advisory Committee Management  
16                  Office.

17                  And then they will catalog all the  
18                  interested persons and then they will forward it  
19                  to us to the DFOs to put the package together for  
20                  everybody to review and make their, select the  
21                  recommendation and selection.

22                  And again, the committee members are

1 selected by the Secretary of Defense and we  
2 usually prepare for package with these three  
3 documents, the letter of intent, short bio and  
4 full CV. Please feel free to again alert all  
5 interested persons about that posting in the  
6 Federal Registry.

7 CHAIRMAN MARTIN: During the course of  
8 the Medal of Honor reception, I had a chance to  
9 meet with a gentleman named Jared Lyon, who is  
10 president and CEO of Student Veterans of America,  
11 who represents over 1.1 million Veterans who are  
12 using the GI Education Bill.

13 Now the reason that our discussion  
14 extended a little bit was because their  
15 organization has done some data collection and  
16 analysis on their members. And I was very  
17 interested to learn that 25 percent of them are  
18 disabled.

19 And the Student Veterans of America is  
20 also helping to assure that the VA benefits  
21 briefings are provided to members who did not  
22 have the chance to receive TAP, Transitional

1 Assistance Program.

2 That's one of the things our  
3 committee's worried about, how are these people  
4 that kind of fall through the TAP net learning  
5 about VA benefits, how they get enrolled and MyVA  
6 and things like that. So they are working on it.

7 I had invited Jared Lyon to present to  
8 the committee on their data acquisition and some  
9 of the things that they've found out about the  
10 student Veterans but I think he was unable to get  
11 it scheduled so that he also could be with us  
12 today. Maybe that'll be a future meeting for us.  
13 The invitation was extended by Dr. V and just  
14 didn't work out for this meeting.

15 MEMBER LOWENBERG: Mr. Chairman, thank  
16 you for arranging our meeting with Mr. Murphy. I  
17 think we're going to see an extended period of  
18 time in which actings are now served throughout  
19 the Administration.

20 I've been following the nomination  
21 process very closely in the Departments of  
22 Defense and Homeland Security and, you know,

1 there aren't any nominees yet for Under  
2 Secretary, especially Deputy Under Secretary or  
3 Assistant Secretary, in those two major  
4 departments.

5 Some of the appointment, some of the  
6 nominations from the White House that were made  
7 immediately following the inauguration, I'm not  
8 even anticipated to get a hearing until late  
9 April. So this could be a very protracted period  
10 of transition.

11 MEMBER PAMPERIN: I did also, I forgot  
12 to mention, I watched the hosts here on the  
13 National Work Queue --

14 CHAIRMAN MARTIN: Yes.

15 MEMBER PAMPERIN: And that was kind of  
16 interesting. It was fairly amiable. But the  
17 committee was expressing concern that the  
18 inventory of disability claims is rising. Not  
19 substantially. It's up maybe 20 or 30,000 but  
20 still it's not going down.

21 And they put that off to a large  
22 degree on focus and on getting rid, reducing the

1 inventory of what I generally call ancillary  
2 claims, dependency issues and other non-rating  
3 claims, which I thought was a little curious  
4 since generally speaking, people who do those  
5 don't do ratings. So I don't understand why it  
6 would necessarily prevent them from reducing it.

7 But there was also something I had not  
8 heard before. One of the congressmen indicated  
9 that there is a replacement for VBMS which is the  
10 foundation of the Natural Work Queue supposedly  
11 in the works. And I had never heard that before  
12 and it wasn't refuted. So it'll be interesting  
13 to see what happens from that.

14 CHAIRMAN MARTIN: Sure will. I have  
15 not heard any of it.

16 MEMBER PAMPERIN: Yes.

17 MR. MANAR: If I might interject for  
18 a moment, if that's allowed?

19 CHAIRMAN MARTIN: Yes, sir.

20 MR. MANAR: One of the other reasons  
21 that disability claims and those pending are  
22 increasing is because the VA has not just shifted



1 to doing ancillary claims, such as dependency  
2 issues which have decreased in the last year by  
3 well over 100,000, but also because Tom Murphy  
4 has built a wall around the appeals teams.

5 During the last four or five years  
6 with this push to get down to disability claim  
7 backlog, managers in the field would take every  
8 single person who ever rated a claim, including  
9 those on the appeals team, and have them rate  
10 claims.

11 And in the last nine months or a year,  
12 Mr. Murphy has told people in the field with no  
13 uncertain terms, they're going to process  
14 appeals.

15 And the consequence, the total number  
16 of appeals currently pending in the regional  
17 offices now, this doesn't mean they've all gone  
18 away, but the number I'm going to give you is,  
19 it's about 25 or 30,000. It's increased over the  
20 last year.

21 Now because of the two-step appeals  
22 process, once a statement of the case is issued,

1 only about half of those come back and file a  
2 formal appeal.

3 So many of those 25 or 30,000 that  
4 have decreased in the regional offices have  
5 either not perfected their appeal or they've gone  
6 to award. So but the critical thing here is that  
7 there's movement on appeals for the first time in  
8 four or five years.

9 CHAIRMAN MARTIN: One of the things  
10 this committee discussed and heard about at our  
11 last meeting in December was the fully developed  
12 appeals discussion, kind of how that might  
13 forward a number of pending appeals and speed up  
14 the process of appeals.

15 MEMBER PAMPERIN: There was, I was  
16 reading yesterday the Department's 2017 summary  
17 of its budget submission and the briefing that we  
18 had gotten about the appeals process and raising  
19 the number of employees from BVA to 900 then an  
20 additional 300 in staffing and appeals. All of  
21 that was in the budget submissions.

22 MEMBER FAY: Which is part of the

1 question I had risen that when you asked for  
2 issues to be discussed, how is the freeze  
3 affecting issues like that?

4 DR. VVEDENSKAYA: And now we have the  
5 best person today to present on that. I think  
6 that and because that certain time had passed  
7 since that question was asked, there were more  
8 developments. I think you will have the most up-  
9 to-date information.

10 MEMBER FAY: Up-to-date, great.

11 MEMBER SIMBERKOFF: So VHA was  
12 excluded. Did BVA not be excluded from the  
13 freeze?

14 DR. VVEDENSKAYA: There are many  
15 positions which are excluded from that freeze but  
16 I cannot speak to the particulars of that  
17 decision because it changed and also I don't have  
18 a depth of knowledge of that subject.

19 CHAIRMAN MARTIN: One of the issues  
20 that we've discussed at our December meeting on  
21 December 6th was the question of presumptives  
22 including Agent Orange. And that discussion led

1 to Gulf War illness and some other issues  
2 surrounding that period of combat for American  
3 fighting men and women.

4 And we were lucky enough to have Jim  
5 Sampsel available. We sort of kidnaped him and  
6 brought him into the room and he gave a marvelous  
7 recap of kind of where we were with the Agent  
8 Orange picture and what was going on with that  
9 presumptive.

10 And we wanted to, I know Mr. Bird, you  
11 were one of the committee members that wanted to  
12 look into that a little more in-depth and so Dr.  
13 V was kind enough to arrange two opening segments  
14 this morning, dealing with Agent Orange Gulf War  
15 illness and those studies. So we're happy to  
16 have that time to look at those issues in a  
17 little more detail.

18 MEMBER BIRD: Bravo.

19 CHAIRMAN MARTIN: Yes. We'll look  
20 forward to that.

21 (Off the record comments)

22 CHAIRMAN MARTIN: So Dr. Jones won't

1 be able to join us by telecon today.

2 All right. Just take a quick look and  
3 see if there's anything else we needed to follow-  
4 up from last time around.

5 All right. I'll relate one  
6 interesting sideline that many of the committee  
7 members probably have experienced between  
8 meetings and their own careers and lives.

9 I was sitting in a reception following  
10 a promotion, a military promotion, in the little  
11 town of St. Augustine, Florida, the oldest city  
12 in America. 1565 is when that town was born.

13 And the mayor of St. Augustine was  
14 sitting at this small table and we started  
15 talking and she said something about the VA and  
16 that led to some discussions about the VA  
17 Advisory Committee.

18 And she said we just finished last  
19 month, doing our point-in-time counts. Remember  
20 the PIT counts that we've talked about here, the  
21 Hope for Homeless?

22 DR. VVEDENSKAYA: Yes, yes.

1                   CHAIRMAN MARTIN: They pick a night in  
2                   January and they go out and everybody counts the  
3                   number of homeless people they can find in their  
4                   cities and they report them.

5                   And they actually did that in little  
6                   St. Augustine, Florida. And her data this year  
7                   was that the count was significantly lower than  
8                   it had been in prior years.

9                   Don't know nationally what that  
10                  count's going to be. We have asked for that  
11                  number as soon as it's available and we'll visit  
12                  that issue again in this committee fully. But it  
13                  would be nice if that were an experience we saw  
14                  repeated over many cities in the United States,  
15                  including some much bigger cities.

16                  MEMBER FAY: Yes, I just read that the  
17                  Hope for all Homelessness is down considerably  
18                  except in the major cities like New York, Los  
19                  Angeles and Miami.

20                  CHAIRMAN MARTIN: Whether that shows  
21                  the migration pattern or whether it's just, I  
22                  don't know, a pattern of them --

1                   MEMBER SIMBERKOFF: Well, homelessness  
2 in New York City among Veterans at least has  
3 been, has plummeted. I don't know what the  
4 figure is for --

5                   MEMBER FAY: Over all it has down in  
6 New York City.

7                   CHAIRMAN MARTIN: But that triggers --

8                   MEMBER FAY: Yes. It's better.

9                   MEMBER SIMBERKOFF: Yes. And actually  
10 I think the White House recognized that New York  
11 City as being one of the places where the  
12 Veterans probably, where it worked most  
13 effectively.

14                   CHAIRMAN MARTIN: When I first joined  
15 this committee, I know some of you that were here  
16 at that time, the SECVA's number one priority was  
17 to end Veteran homelessness --

18                   MEMBER SIMBERKOFF: Right.

19                   CHAIRMAN MARTIN: -- by 2015.

20                   MEMBER SIMBERKOFF: Right.

21                   CHAIRMAN MARTIN: That was the number  
22 one priority. So the --

1                   MEMBER LOWENBERG: Well, that's very  
2 encouraging because homelessness is rising in the  
3 major metropolitan areas around the country so  
4 that's a counter trend that we can take credit  
5 for.

6                   PARTICIPANT: They should.

7                   MEMBER LOWENBERG: Yes.

8                   MEMBER SIMBERKOFF: Unfortunately,  
9 good publicity almost never happens. You know,  
10 makes its way to the, you know, to the outlets,  
11 you know. It's a sad reflection of what the news  
12 industry is interested in.

13                   MEMBER LOWENBERG: Yes. And even if,  
14 you know, there's an internal assessment of what  
15 was in that VA portfolio of activities that's  
16 been most consistently successful in driving  
17 those numbers down.

18                   DR. VVEDENSKAYA: Ms. Bradshaw, who  
19 has this department within the Veteran Affairs,  
20 she presented to us I think twice. And I believe  
21 she indicated that the count which is done in  
22 January, all the numbers are ready and, you know,



1 sorted out in, by August. We can ask her to  
2 comment and give us this feedback.

3 MEMBER LOWENBERG: I guess I'd be  
4 particularly interested in the analytic  
5 assessment.

6 DR. VVEDENSKAYA: Yes. What it  
7 comprises, yes. Can put up.

8 MEMBER LOWENBERG: You know, if  
9 there's a cause and effect, the way it affects  
10 them, or.

11 MEMBER PAMPERIN: Well, there's a  
12 program that the VA participates in with housing  
13 and urban development called HUD-VASH --

14 MEMBER SIMBERKOFF: Right.

15 MEMBER PAMPERIN: -- where you can put  
16 people in apartments to get them stabilized and  
17 stuff like that. That's a big contributor.

18 MEMBER SIMBERKOFF: There are actually  
19 targets that are set for each area, each, you  
20 know, medical center where they're given a  
21 certain number of vouchers. And if you fail to  
22 meet that target of getting them, you know,

1 distributed and acted on that goes against your  
2 performance managers.

3 CHAIRMAN MARTIN: We actually have the  
4 VetPop study people here, that the director  
5 briefed us back in September on the demographics  
6 of the Veteran population.

7 And for those of you who weren't here  
8 I'll kind of briefly review this. In 2014, the  
9 top Veteran location was California, followed by  
10 Texas and Florida.

11 By 2020, they're predicting that Texas  
12 will be the top Veteran location, followed by  
13 California and Florida.

14 And by 2030, Texas is the top  
15 location. By 2040, Texas is the top location,  
16 with California eventually falling to third place  
17 behind Florida. So it's kind of a sunshine belt,  
18 is where the Veteran population they see  
19 migrating a little bit.

20 Illinois and New York, previously very  
21 large Veteran populations, is now out of the top  
22 ten. Interesting data. That's Peter Ahn and

1 we'll have them back again. They had some  
2 amazing data that they follow.

3 DR. VVEDENSKAYA: Yes, I brought that.

4 CHAIRMAN MARTIN: Oh, good.

5 DR. VVEDENSKAYA: Yes.

6 (Off the record comment)

7 CHAIRMAN MARTIN: So we've got just a  
8 couple of minutes before our next speaker is due  
9 to arrive and we can either have quiet time of  
10 personal reflection or a little break, some  
11 coffee, or very --

12 DR. VVEDENSKAYA: Little break and I  
13 can try to reach --

14 CHAIRMAN MARTIN: Anybody need any  
15 caffeine fragments or anything? You're welcome  
16 to get some coffee or water or take a short break  
17 here. And we'll reconvene here as soon as our  
18 speaker arrives.

19 (Whereupon, the above-entitled matter  
20 went off the record at 9:10 a.m. and resumed at  
21 9:18 a.m.)

22 DR. VVEDENSKAYA: Good morning,

1 everybody. I think we are all back to our seats.  
2 And I would like to introduce our morning  
3 speakers, Dr. Victor Kalasinsky, from the Office  
4 of Research and Development, and Mr. Jim Sampsel  
5 from Compensation Service, VBA, whom you know  
6 well.

7 And this morning we'll have a  
8 comprehensive presentation on the issues of Gulf  
9 War illnesses and injuries. And we'll take a  
10 look from the research point of view and we'll  
11 take a look at this issue from the point of view  
12 of policy and the benefits for the Veterans.

13 With this I will pass the torch to Dr.  
14 Kalasinsky. Thank you very much for making time  
15 and present to this committee.

16 DR. KALASINSKY: Sure. Thank you.  
17 Thank you very much. And believe it or not,  
18 that's one of the first times someone hasn't  
19 stumbled over my last name and that's easy  
20 compared to yours.

21 Anyway, I'm with the Office of  
22 Research and Development in VHA. And I'm the

1 designated federal officer for another advisory  
2 committee. It's called the Research Advisory  
3 Committee on Gulf War Veterans' Illnesses.

4 And so I'd like to give you a little  
5 background of our office, what we do, and then  
6 transition that into especially what the  
7 committee does for us and some of these issues  
8 that we have with the healthcare and the research  
9 that goes into informing that healthcare into the  
10 VHA for the Gulf War Veterans, specifically.

11 So next, our Office of Research and  
12 Development, obviously a vision and mission of  
13 the managers, but I didn't tell you what they  
14 were. And again, just a little background on our  
15 office.

16 We provide funding for an intramural  
17 research program at the VA, which means that it's  
18 only VA investigators who are funded. So that  
19 means that the same folks who are taking care of  
20 Veterans by and large are the ones doing the  
21 research.

22 And so the point is or the idea is

1 that the research is driven by the needs of  
2 Veterans and the needs of the healthcare  
3 providers who are dealing with Veterans. And so  
4 it's sort of a process of feeding so long on the  
5 other.

6 So researchers are typically providers  
7 who see the Veterans and so they know what the  
8 problems are. So more than half of our  
9 investigators sort of by, not by statute but by  
10 design, are medical docs. The others are  
11 typically PhDs who are doing some more basic  
12 science that feeds into what the medical doctors  
13 are doing.

14 So of the 150-some VA medical centers,  
15 116 of them have been funded for research by our  
16 office and at any given time, maybe 90 of them  
17 are receiving research funds.

18 2400 projects again, at any given  
19 time, for the annual budget that's typically  
20 around 580 to 600 dollars in six, 580 to 600  
21 million dollars in research funds that go to the  
22 VA medical centers.

1                   So the idea that I again emphasize  
2                   that it's an intramural program. We have people  
3                   working on the problems that are specific to  
4                   Veterans. You know, we get asked a lot why don't  
5                   we just give that money to NIH and let NIH put it  
6                   into their big pot of money and do the work that  
7                   we fund in our office.

8                   And the point is that NIH has a lot of  
9                   funding but none of their programs specifically  
10                  target the problem with Veterans and so that's  
11                  why we have this separate program within the VA.

12                  So 3000 researchers, a broad  
13                  portfolio, like I said, 2400 projects at any  
14                  given time, from rehab processes to basic studies  
15                  across whole gamut.

16                  Next slide gives you an idea of how  
17                  our office is structured. This has part of the  
18                  Veterans Health Administration. We come under  
19                  one of the Deputy Under Secretaries. So my boss  
20                  answers to Deputy Under Secretary, who answers to  
21                  the Under Secretary, who until recently was Dr.  
22                  Shulkin and of course now we all report to Dr.

1 Shulkin.

2 But we have four what we call research  
3 services. The largest are the clinical science  
4 and rehabilitation services. Obviously, this  
5 suggests that we've had Veterans in clinical  
6 settings and research is being performed  
7 addressing the problems that they have.

8 If we're talking about what we call  
9 preclinical, that falls into the biomedical  
10 laboratory R and D. Those would be animal  
11 studies or studies on tissue cultures or blood  
12 specimens, any sort of study that's not involving  
13 a person in place who's talking to the  
14 researcher.

15 Health Services, Research and  
16 Development, looks at processes that go into the  
17 healthcare delivery. So how efficiently or  
18 effectively a particular treatment is working in  
19 one group or another to how well Veterans can  
20 navigate the system to get the kind of healthcare  
21 they need within the VHA.

22 Rehabilitation R and D I suppose is



1 probably the most self-explanatory. The  
2 artificial limbs and other things, so  
3 reintegration from Veterans into society after  
4 they've been in the combat situations, for  
5 example. So all those kinds of things, go into  
6 rehab R and D.

7           Down below in clinical science we've  
8 got another little box called Cooperative Studies  
9 Program. And this is a program by which  
10 individual studies are expanded into multi-site  
11 studies and multi-site anywhere from five to 40  
12 different sites where as you can imagine,  
13 thousands of Veterans can be involved.

14           So anytime there's a new treatment  
15 that's being rolled out, it's because, it's  
16 likely that there was a Cooperative Studies  
17 Program that was run in many, many, places and it  
18 was determined that was a good procedure to put  
19 into general practice.

20           So those are the very, very large  
21 studies. The rest of these tend to be individual  
22 investigators or teams of investigators at

1 usually one site, sometimes two or three sites,  
2 but small relative to the Cooperative Studies  
3 Program. Next.

4 This just gives you some idea of the  
5 kinds of projects that we've had going on and  
6 some of the websites where you can get some  
7 information about our office.

8 So we have three advisory committees  
9 that feed into our office and one is called the  
10 National Research Advisory Council, NRAC, we call  
11 it.

12 This one provides input  
13 recommendations on researching all of the areas  
14 that we touch in the Office of Research and  
15 Development.

16 Middle one, Research Advisory  
17 Committee on Gulf War Veterans' Illnesses.  
18 Lovingly known as the RAC because nobody can  
19 pronounce that whole thing. So the RAC provides  
20 specifically about Gulf War Veterans. And I'll  
21 go into more detail about this information here.

22 And then third, we have the GMPAC.

1 It's not too bad to pronounce, the Genomic  
2 Medicine Program Advisory Committee.

3 That was created when the Million  
4 Veteran Program was started in our office. A  
5 program to enroll a million Veterans and any era  
6 of many eras and collect survey information about  
7 the Veterans as well as blood specimens.

8 And as part of that Million Veteran  
9 Program, the VA is contracting out genetic tests.  
10 They're being done and the data or the genetic  
11 data that's being collected then will be used to  
12 do all sorts of things.

13 But the important thing is that we'll  
14 be able to send the data to researchers inside  
15 the VA, outside the VA. They won't have to know  
16 which Veterans by name that they're dealing with,  
17 but they'll get the de-identified bulk data that  
18 they can do various kinds of analysis of.

19 And so the idea is that this is a way  
20 to get more people involved in the research that  
21 specifically the genetic research.

22 And given that there will be

1 ultimately a million Veterans that means that  
2 there are lots of Veterans from every era,  
3 whichever group you want to study. There will  
4 likely be plenty of information.

5 We're at I think 540,000 now so we're  
6 more than halfway to a million, and we're  
7 actually a little bit ahead of schedule on that  
8 so we're excited about actually getting all that  
9 information.

10 And interestingly enough, with the  
11 emphasis now on precision medicine as it's  
12 called, this is the kind of information that's  
13 going to be important for that.

14 And the VA, with 500,000 plus people,  
15 has the largest genomic database in the world,  
16 basically. And some of the folks who are  
17 interested in precision medicine were a little  
18 surprised that the VA was ahead of the curve.

19 And so you were saying we've got to  
20 take advantage of all the good news stories that  
21 we have out there and this is certainly one of  
22 them.

1           So this, the Genomic Medicine Advisory  
2 Committee also advises, works with this committee  
3 to give us advice about more Veterans issues when  
4 it comes to genetics genomics.

5           So anyway, we have all three of these  
6 as it said on the DFOs. There's a new federal  
7 officer for the Iraq and -- let's go to the next  
8 one.

9           So just some background. I think  
10 probably everybody knows this but just as a  
11 reminder.

12           So we got started in 1990. We sent  
13 troops over to Saudi Arabia. The air war started  
14 in January. I got home in just in time to watch  
15 it on the news as I was eating dinner that  
16 evening.

17           The ground war started in February.  
18 It was a hundred hours, four-day war. Cease fire  
19 was declared. And technically the end of Desert  
20 Storm was not until April but as I think I  
21 already heard in the realm, the Persian Gulf War  
22 as it was called in those days, continues until

1 the ended by Presidential proclamation of the  
2 law. So the Gulf War technically is still going  
3 on.

4 My emphasis is on the Desert Shield,  
5 Desert Storm Veterans and that's also been the  
6 focus of this advisory committee that I'm the  
7 DFOS for.

8 But because the Gulf War still goes  
9 on, I also get involved in things like OIF OEF.  
10 And since I'm a chemist slash toxicologist, I get  
11 pulled into Agent Orange issues as well. But  
12 anyway this is -- next.

13 And as we all remember, returning  
14 Veterans reported a variety of exposures. And  
15 when I came in I picked up the sheet I guess Mr.  
16 Sampsel put together and I did not collaborate on  
17 these, but everything I've got on my list are on  
18 his list as well.

19 But obviously, there's plenty of sand  
20 and dust in a desert environment with the oil  
21 wells and the damaged rig blown up. There was  
22 plenty of oil, there was oil in the well, fire,

1 smoke, soot, all kinds of things.

2 There were pesticides, pyridostigmine  
3 bromide pills. These were used to counteract the  
4 effects of some of the nerve agents that Saddam  
5 Hussein was known to have.

6 Fuels and solvents, vaccinations,  
7 chemical weapons. Both the nerve agents and the  
8 mustard agents that again, Saddam Hussein was  
9 known to have.

10 It's not an exhaustive list of course.  
11 So one slide. There were other concerns as well.  
12 Liquid uranium, all these things have been in the  
13 news.

14 I just wanted to give you an idea.  
15 And I was amazed to see this same list that Mr.  
16 Sampsel used and we did not dress it down and  
17 collaborate on this. Next slide.

18 And then there were many symptoms  
19 reported by your returning Veterans. The  
20 musculoskeletal pain, fatigue, having the  
21 problems finding the right words, remembering  
22 things, all sorts of problems like that.

1                   Gastrointestinal problems, respiratory  
2 disorders and conditions, rashes, sleep  
3 disorders, a lot of sleep apnea reported from the  
4 Gulf War Veterans.

5                   The biggest problem with all of these  
6 symptoms is that they're aren't really any tests  
7 for muscle pain, joint pain, or fatigue. There  
8 are some certain things that can detect cognitive  
9 problems.

10                  But many, many of the things that Gulf  
11 War Veterans were reporting are just hard to  
12 test. And so that led to some of the problems  
13 that we've had for the past 25 years. Next,  
14 please.

15                  So given that, there are few or no  
16 abnormal laboratory tests in these returning  
17 Veterans. Gulf War syndrome was the first name  
18 that was applied to the health problems and their  
19 various combinations of unexplained, undiagnosed  
20 and all the symptom chronic Gulf War illness,  
21 Gulf War Veterans' illnesses.

22                  Veterans and many researchers prefer



1 this term, Gulf War illness, describing that  
2 whole set of conditions that Gulf War Veterans  
3 have, as one single thing.

4 The VA took the approach early on to  
5 use the term at the bottom, Gulf War Veterans'  
6 illnesses, recognizing that many Gulf War  
7 Veterans had diagnosable illnesses and  
8 undiagnosed illnesses as well.

9 So VHA has to take the view of  
10 treating the whole Veteran, the Veteran, whatever  
11 kinds of problems he or she may have.

12 So if it's Gulf War illness, fine, the  
13 VHA's going to treat that person. If it's  
14 irritable bowel syndrome, chronic fatigue  
15 syndrome, multiple sclerosis, whatever else that  
16 might be diagnosable with these, the VHA is still  
17 a device for people to get the treatment.

18 So that's one of the issues that we've  
19 had with the Gulf War Veterans and I'm sure you  
20 can imagine.

21 We're very focused on Gulf War  
22 illness, whatever that means, whereas VHA has to

1 deal with everything that's of a medical concern  
2 to Veterans of any era, specifically the Gulf War  
3 era. So, next.

4 Getting back to the Research Advisory  
5 Committee. There was a lot of trouble early on  
6 and I think and everybody here around the room, I  
7 think most of you remember as I do, that the DoD  
8 was the first office returning service members  
9 that started complaining of problems.

10 A lot of them were told that they  
11 weren't ill because there were no abnormal lab  
12 tests. And you know we've got great technology,  
13 all kinds of machines and everything else and  
14 none of those were indicating any problems.

15 So the Veterans were treated pretty  
16 badly by DoD initially. I know that one of the  
17 earliest studies of a National Guard group in  
18 Indiana determined that the problems they were  
19 having were simply from having been deployed and  
20 then redeployed home.

21 So there's an increase in their  
22 symptoms each time they were transitioning from

1 home to theater and then from theater back home.

2 And so the notion was that most of the  
3 problems were psychosomatic, psychological.  
4 You're imagining these problems, you'll get over  
5 them. And that obviously didn't sit very well  
6 with the returning service members.

7 Many of course wanted to stay in the  
8 military and so they didn't report some of their  
9 symptoms because they didn't want to be mustered  
10 out.

11 So there was almost an immediate  
12 butting of heads when Veterans came back and  
13 started reporting the problems they were having.

14 As some of those transitioned to the  
15 VA, the VA line was not very different from what  
16 the DoD had been saying. And so that all  
17 culminated in Congress passing some laws in the  
18 90s. 1988 in particular.

19 Congress mandated the formation of an  
20 advisory committee in '98. That committee was  
21 chartered by the VA in 2002. Congress gave this  
22 responsibility to the Executive Branch.

1           The President was to assign it to an  
2 agency within the Executive Branch and two  
3 obvious possibilities, of course, would be DoD or  
4 the VA.

5           And since many of the folks were  
6 moving from DoD into the VA, I think the obvious  
7 choice and the most logical choice was the VA.  
8 So we have this advisory committee.

9           Another piece of that legislation  
10 required annual reports to Congress and those  
11 were required through 2014. We've also done a  
12 report for 2015. We haven't sent it to Congress  
13 since they didn't ask for it. But it's about to  
14 be put up on our website so the information will  
15 still be there.

16           The same year there was also a law  
17 that required reports by the Institute of  
18 Medicine or the National Academy of Sciences.  
19 The Institute of Medicine is now called the  
20 National Academy of Medicine since the middle of  
21 2015.

22           And these reports were required every

1 two years by the Gulf War and Health. We've got  
2 ten of those and they're required through 2016 so  
3 the last one was released in February of last  
4 year. And so we have the Institute of Medicine  
5 giving us recommendations in the same way that  
6 the Institute of Medicine does the biennial Agent  
7 Orange, Veterans and Agent Orange reports which I  
8 suspect you've dealt with in the past.

9 So I mean this law was based very much  
10 on the Agent Orange law. So we get advice from  
11 the Institute of Medicine. We get advice from  
12 the Advisory Committee.

13 My phone number and email address is  
14 in the Federal Register. I get advice from  
15 Veterans all over the country.

16 So that's the kind of thing that  
17 informs what we do in the Office of Research and  
18 Development. Next slide.

19 Oh, I wanted to divert you for a  
20 second to talk about the Institute of Medicine  
21 Reports. Next.

22 This is the one that was released in

1 February of last year, is Volume 10. We are,  
2 actually even though this one's not required by  
3 the law, we have decided to go ahead and request  
4 a Volume 11 from the National Academy of Medicine  
5 specifically to study intergenerational effects.

6 These are issues that have come up, I  
7 think you probably know, with the Vietnam  
8 Veterans concerned about their children and  
9 grandchildren. And there are actually a few  
10 presumptives that the VA has for children of  
11 Vietnam Veterans.

12 So there had been concern from the  
13 very beginning in the early 90s about Gulf War  
14 Veterans transmitting whatever they had to their  
15 spouses and their children. So we're having the  
16 National Academy of Medicine look into this for  
17 us so we had the kickoff meeting in January.

18 (Whereupon, the above-entitled matter  
19 went off the record at 9:43 a.m. and resumed at  
20 9:47 a.m.)

21 DR. KALASINSKY: So the three reports  
22 that are up there, one last February, Volume 10,

1 one that we just kind of got kicked off in  
2 January, the Volume 11. But there's also a third  
3 one that's sort of in the middle there, assessing  
4 burn pits. That one is still going on, but there  
5 was an interim report and we were briefed at VA  
6 on the 28th of February, which is just last week.

7 And then the day after I sent these  
8 slides to Dr. V, that's when I got the link to  
9 the actual report. So it's on the National  
10 Academy of Medicine website, if anybody wants  
11 that and, you know, the links there will get to  
12 the right places. So as I said, we get advice  
13 from a lot of folks.

14 The next slide gives you some idea of  
15 the Advisory Committee. This is kind of a stream  
16 capture from the Advisory Committee Management  
17 Office website, and the address is given there.  
18 And you see, as I said, my name, address, phone  
19 number are all out there, so I get lots and lots  
20 of fan mail I think you call it.

21 In addition to this brief information  
22 that's on the Advisory Committee Management

1 Office website, you see at the bottom of that  
2 slide there's an address for a web page for our  
3 committee, and it is fairly extensive. It has  
4 the minutes from all the meetings from 2002 up to  
5 the present, slides that were presented at those  
6 meetings, all sorts of things, various documents,  
7 all the recommendations that we've gotten from  
8 the Committee, a couple of reports that the  
9 Committee has submitted over the years. So it's  
10 a pretty extensive website.

11 Next slide gives you just an excerpt  
12 from the charter, which is probably no surprise.  
13 That's pretty standard stuff, but the Committee  
14 is charged to provide advice to the Secretary,  
15 and as you can imagine whatever advice comes to  
16 the Secretary filters down to the DFO and we have  
17 to address these things that come through.

18 Just to give you an idea of how our  
19 Committee operates, we have up to three meetings  
20 a year and they're open to the public. It's  
21 interesting when we were renewing the charter,  
22 one of the lawyers pointed out that it said we



1 could have up to three meetings a year, but it  
2 didn't say we had to have any meetings per year.

3 So the charter was changed from simply  
4 three meetings, up to three meetings per year to  
5 at least one and up to three meetings per year.  
6 There were some folks who claimed that that was  
7 limiting the number of meetings that the  
8 Committee could have.

9 And so I had to stop doing useful  
10 things and respond to those kinds of complaints.  
11 So it can be challenging when your phone number  
12 and email address are out there on the web.

13 Anyway, we have a segment for public  
14 comments, as you do here of course, and I just  
15 wanted to point out that very often, the veterans  
16 who come to these meetings and make public  
17 comments are telling us about problems they've  
18 had with getting health care through VHA or  
19 getting benefits through VA.

20 I guess that's no surprise to anybody.  
21 VBA and VHA get a lot of grief from veterans who  
22 are upset with the responses that they get. So

1 as you can imagine, our Committee is making  
2 research recommendations and that research and  
3 their recommendations are supposed to translate  
4 into research that then provides information to  
5 providers who are giving them care and of course  
6 that information feeds into VBA as well.

7 As I sort of indicated, there are  
8 Committee reports that are on the web page we  
9 have. In 2004, they produced a 430 page report.

10 DR. VVENDENSKAYA: On my goodness.

11 DR. KALASINSKY: I should have brought  
12 those and --

13 DR. VVENDENSKAYA: When you said that  
14 you can have between one and three meetings a  
15 year, our Committee knows how much labor and time  
16 goes into every biannual report we make, and  
17 that for you to produce an annual report which is  
18 filled with up to date scientific information.

19 DR. KALASINSKY: Yes.

20 DR. VVENDENSKAYA: Thank you very much  
21 for doing it, but that is a gargantuan amount of  
22 work.

1 DR. KALASINSKY: Yes, and of course  
2 the 2004 report covered the time from 1990  
3 through 2004, so 430-some pages. In 2008, it was  
4 an update, so only four years and it was only 200  
5 and some pages. In 2014, 130 pages. So you  
6 know, we may be getting a handle on the  
7 literature that's coming out, the research  
8 literature that's coming out.

9 In addition to those reports, of  
10 course we get recommendations, not necessarily  
11 from every meeting but from most meetings we'll  
12 get a few recommendations. There was one list of  
13 recommendations a few years ago that it was a 46  
14 page list of recommendations. So as I said, that  
15 then keeps me busy for long periods of time after  
16 the meetings, as you can imagine.

17 Next slide. Since I knew Mr. Sampsel  
18 was going to be here, I thought I'd put  
19 presumptive conditions up. But again, he's got  
20 the same words on the sheet that he put together.

21 MR. SAMPSEL: That's because it's  
22 common knowledge.

1 DR. KALASINSKY: Yes indeed. So you  
2 see there are some conditions that are  
3 presumptive diagnosable, but then others that are  
4 not diagnosable, and that's one of the really big  
5 problems that we have on the research side, that  
6 physicians have on the health care side and  
7 obviously the VA has on the benefits side.

8 Diagnosed illnesses that are symptom-  
9 based are just very, very complicated to deal  
10 with. It was just -- it's just a fact of life  
11 unfortunately.

12 The next slide gives you a list of our  
13 own members. See, we've got a pretty -- it's  
14 actually a large committee. We expanded it from  
15 12 to 16 at the request of our chair. He  
16 requested me to request to the Secretary and the  
17 Secretary approved that. We got busy and it's  
18 more folks, but as you can see we've got a lot of  
19 different kinds of expertise there, medical docs,  
20 Ph.D.s, researchers, nurses, lawyers, all sorts  
21 of folks.

22 Our chair is Stephen Hauser, who's

1 chairman of the Neurology Department at the  
2 University of California-San Diego, the largest  
3 neurology department in the country. Kim Adams  
4 is a lawyer, a former respiratory tech turned  
5 lawyer who works in a legal aid facility in Ohio.

6 Jim Bunker is a mathematician, so we  
7 always have pretty stiff statistics when we start  
8 looking at research projects. Fiona Crawford's a  
9 geneticist researcher who runs a private research  
10 foundation and splits her time with the Tampa VA.  
11 So she's kind of got her feet in both fields or  
12 both approaches to doing the research.

13 Marylyn Harris, a nurse who deals with  
14 veteran -- well veteran-owned businesses, but  
15 mostly women veteran-owned businesses. Steve  
16 Hunt is a medical doc in Seattle who's been  
17 running what's now called a deployment health  
18 clinic, but it started out as a Gulf War clinic  
19 back in the early 90's, and he's still running  
20 that clinic. Of course now he also sees OIF/OEF  
21 veterans in addition to Desert Shield/Desert  
22 Storm veterans.

1                   Nancy Klimas is a researcher and  
2                   primary care provider with the Miami VA, who had  
3                   been on the faculty at the University of Miami as  
4                   well. Now she has moved to a different  
5                   university in Fort Lauderdale, but she still  
6                   treats patients at the VA and does research at  
7                   the university and the VA.

8                   Katherine McGlynn is with NIH. She's  
9                   actually with the National Cancer Institute.  
10                  She's an epidemiologist, cancer epidemiologist.  
11                  Now that we're 25-26 years out from Desert  
12                  Shield/Desert Storm, that latent period for  
13                  cancers to develop has come, and it's beginning  
14                  to -- well, we're beginning to see more concerns  
15                  about cancer so we now have a cancer  
16                  epidemiologist on the panel.

17                  Jeff Nast is a lawyer with the  
18                  Environmental Protection Agency. So he deals  
19                  with the laws surrounding environmental problems.  
20                  He's in the Philadelphia office, so he's very  
21                  familiar with environmental exposures. Steve  
22                  Ondra is a neurosurgeon and I'll tell you more

1 about him in a second.

2 Fran Perez works for the state of  
3 North Carolina, and she runs their veteran  
4 business -- veteran-owned business agency, if you  
5 will, for the state of North Carolina. North  
6 Carolina's got plenty of veterans with Fort Bragg  
7 and other facilities down there. So he's working  
8 with veterans who want to start their own  
9 businesses.

10 Martin Philbert's a toxicologist who  
11 is also dean of the School of Public Health at  
12 the University of Michigan. Scott Rauch is an  
13 M.D. who's president of a hospital in Boston and  
14 on the faculty at Harvard. Carolyn Tanner,  
15 Caroline Tanner is an M.D. Ph.D. She runs the  
16 Parkinson's disease research facility for VA out  
17 in California.

18 Mitch Wallin is a physician who runs  
19 the multiple sclerosis clinics here in D.C. and  
20 in Baltimore, so he splits his time. Scott Young  
21 runs the Northern California version of Kaiser  
22 Permanente. So a very large health care

1 operation. So we've got a lot of subject matter  
2 expertise.

3 But I want to also tell you that Kim  
4 Adams who's a lawyer, as I said was a respiratory  
5 therapy was in the Air Force and a Gulf War  
6 veteran. Jim Bunker was enlisted and got his  
7 math degree on the G.I. bill and then went to  
8 Desert Storm as an officer. He was a captain,  
9 and he had to be medevac'd out because he got  
10 sick in theater some of you who have been around  
11 the VA for a few years might remember former  
12 Chief of Staff John Gingrich.

13 Colonel Gingrich was Jim Bunker's  
14 commanding officer in the Gulf. So Jim brings a  
15 lot of expertise in addition to his mathematical  
16 skills. Marylyn Harris is an Army veteran. Jeff  
17 Nast is an Army veteran. Steve Ondra served in  
18 one of the combat support hospitals doing surgery  
19 at the front, if you will, a neurosurgeon.

20 Let's say, then Scott Young, Navy  
21 flight surgeon. So he was in the Gulf as well.  
22 So we've got the scientific and medical



1 expertise, as well as the veterans' perspectives  
2 in a lot of different ways, having physicians who  
3 are also veterans along with the enlisted folks  
4 who are lawyers and nurses and the like. We feel  
5 like we've got a lot of useful -- we will get or  
6 continue to get a lot of useful recommendations  
7 from this group.

8           Anyway, next slide. This information  
9 comes from our strategic plan, our research  
10 strategic plan, and it identifies the eight focus  
11 areas for the research. So it's these areas that  
12 we expect our Advisory Committee to give us  
13 advice on what kinds of things should we be doing  
14 in each of those categories, and the emphasis in  
15 all of the research is on treatments and  
16 diagnosis.

17           Gulf War veterans don't have a good  
18 treatment that works for all of them, and we're  
19 25-26 years out. That's frustrating obviously to  
20 the veterans, but also to the physicians who are  
21 trying to treat them. There's no simple game  
22 plan. It's a matter typically of treating

1 symptoms that the veterans have, so treatments  
2 are different for different veterans and that  
3 just makes it very, very complicated.

4 Some of these other things, as you can  
5 see, genetics of biomarkers using animal models  
6 to try and understand what was going on, all very  
7 important as a means of getting to the  
8 treatments, but also to the diagnosis of what the  
9 problem is. I think, I think the research is  
10 getting there.

11 There are a lot of -- a lot of studies  
12 that have pointed to changes to the -- well,  
13 changes to the central nervous system and the  
14 autonomic nervous system, the part that sort of  
15 operates on its own and if we don't know it's  
16 working, the part that controls the heartbeat,  
17 the respiration and those kinds of things.

18 So the nervous system has been  
19 affected by whatever folks were exposed to, and  
20 of course one of the big challenges is try to  
21 explain why two people in the same tent were  
22 affected differently, and that's where the

1 genomics has probably come in. So we're glad  
2 that we've gotten some genomics studies started,  
3 one in cooperation with that Million Veterans  
4 program that I mentioned earlier.

5 So and then with treatments and  
6 diagnosis, all of that then has to -- number 5.8  
7 says "Be translated from the research part of  
8 what we do into practice," so that the docs  
9 treating veterans can use the information that we  
10 get from the research. So translation is what  
11 that's called these days.

12 Anyway, the next line, let me just  
13 jump a little bit outside of the Committee, but  
14 something that's related to the Committee. We  
15 work pretty closely with -- with the VA, of  
16 course we do, with the DoD. There's also a DoD  
17 program in Gulf War research. Part of their  
18 -- on that first line list acronym,  
19 Congressionally-Directed Medical Research  
20 Programs.

21 So these are programs that Congress --  
22 anybody from Congress in the room? Staffers,

1 nobody? Congress obviously didn't trust the NIH  
2 to do some of the targeted research that Congress  
3 thought needed to be done, and so they gave these  
4 programs to DoD.

5 One of the programs within the CDMRP,  
6 the P in CDMRP is programs plural, is what they  
7 call the Gulf War illness program, and the  
8 difficulty that DoD has is that these programs  
9 are funded year to year, and if Congress for some  
10 reason decides not to fund a particular project,  
11 then there are no funds or another really bad  
12 possibility is that if the government works on a  
13 continuing resolution for the entire year, there  
14 will be no funds for this program that DoD runs.

15 So it's troublesome. But we try to  
16 work as closely as we can with the DoD, to make  
17 sure that what they're doing and that we're doing  
18 kind of go together, as opposed to work at odds  
19 or obviously we don't want to duplicate anything  
20 unnecessarily. So I meet fairly regularly with  
21 my counterpart at DoD. We go over what each of  
22 our portfolios have, the investigators who are

1 being funded by our respective programs to make  
2 sure we're not double-funding somebody, because  
3 there are VA researchers who also apply to the  
4 DoD.

5 Many VA folks, as you probably know,  
6 have appointments at University medical schools,  
7 so they can apply for DoD funds through their  
8 university, VA funds through the VA. But if it's  
9 the same project, it can't be double-funded and  
10 we have to be very careful about that.

11 DoD contributes to that annual report  
12 to Congress that I mentioned earlier, and there  
13 are a number of working groups that VA and DoD  
14 cooperate through. I belong to the Deployment  
15 Health Work Group and to the Medical Research  
16 Work Group, and those two groups report to what's  
17 called the Health Executive Council.

18 That council is co-chaired by a VA and  
19 DoD higher up person, the undersecretary for  
20 Health chair is the VA co-chair, and whoever his  
21 counterpart is in DoD is the other. Then that  
22 group reports to what's called the Joint

1 Executive Council, the JEC we call it, J-E-C, and  
2 that's chaired by -- co-chaired again by VA and  
3 DoD folks.

4 The VA co-chair is the deputy  
5 secretary. So it's pretty high level, really  
6 high level from my perspective. So we in the DoD  
7 get together and make sure that we're doing  
8 things that are useful and we've got oversight  
9 from the higher-ups who are really interested in  
10 all of these things.

11 MEMBER LOWENBERG: Dr. Kalasinsky, let  
12 me ask a question. Is this collaborative effort  
13 that you've been describing for the Gulf War  
14 period replicated at all for OIF/OEF Vietnam?

15 DR. KALASINSKY: You know yes, I  
16 should mention. In that fourth bullet, the  
17 Deployment Health Work Group and Medical Research  
18 Work Group, we cover all eras. There is -- you  
19 know, there's not a person like me assigned to  
20 OIF/OEF. There's not a person like my  
21 counterpart at DoD who's assigned to OIF/OEF.

22 So Gulf War gets, you know, some very

1 pointed treatment. I mean we're -- that  
2 operation, Desert Shield, those operations Desert  
3 Shield/Desert Storm I think are the only ones  
4 that have their own advisory committee.

5 MEMBER LOWENBERG: Right. You  
6 described at the outset what I interpreted to be  
7 skepticism on the part of DoD and VA initially to  
8 claims of symptoms that veterans thought were  
9 related to their service in the Gulf War. Are  
10 these subsequent working groups for OIF/OEF kind  
11 of reflective of perhaps more acceptance that  
12 sort of in that region of the world or in those  
13 kinds of combat conditions, deployment  
14 conditions, warrant some special attention?

15 DR. KALASINSKY: Yes, absolutely. I  
16 think the attitude has changed markedly since the  
17 early 90's, and so you know, I think VA and DoD  
18 are working, both working on trying to get things  
19 right and make up for mistakes that were made in  
20 the past. There's no question that that's the  
21 attitude of both agencies these days.

22 MEMBER SIMBERKOFF: So before we go

1 on, is it known to the extent to which the  
2 illnesses that constitute this spectrum, you  
3 know, are shared by the civilian populations or  
4 the other military groups that joined with the  
5 U.S. in the Gulf War in the other?

6 DR. KALASINSKY: Yes. There actually  
7 have been some papers about, research papers  
8 published about OIF/OEF veterans showing up with  
9 the same kinds of symptoms that Desert  
10 Shield/Desert Storm veterans have. So there's  
11 obviously some concern about that. But if you  
12 look at the environment, there's still sand and  
13 dust out there. Burn pits maybe have taken the  
14 place of the oil well fires.

15 So there are lots of things on common.  
16 There are also lots of things that aren't in  
17 common. For example, no one since Desert Storm  
18 has taken the pyridostigmine bromide pills  
19 because, you know, those have been well targeted  
20 as one of the really bad exposures that people  
21 had.

22 You know, the problem with those pills



1 of course is that they can't protect you against  
2 nerve agents. What would people have said if we  
3 hadn't used them and we had casualties from nerve  
4 agents?

5 MEMBER SIMBERKOFF: So what about the  
6 other, the allied veterans that --

7 DR. KALASINSKY: Yes. The veterans in  
8 those countries, let's say the UK, Australia, the  
9 Dutch have all reported the same kinds of  
10 symptoms. Not to the extent necessarily that the  
11 U.S. has, but certainly the same symptom sets  
12 appeared in their troops.

13 Now we even had veterans from  
14 Australia and UK visit us on occasion, and make  
15 statements during our public comments at our  
16 Advisory Committee meetings.

17 So obviously took the opportunity  
18 afterwards to talk to these guys, and their  
19 health care system is very different from ours.  
20 They've got a national health care, National  
21 Medical Service I think they call it. So they  
22 get -- everybody who's enrolled in the National

1 Medical Service gets a card of some kind.

2 Well, if you're a veteran you get a  
3 different colored card and if you're a Gulf War  
4 veteran you get still a different colored card.  
5 So there's at least an acknowledgment that  
6 there's a difference, but the veterans are not  
7 satisfied with the kind of health care they get.  
8 They still feel like they're not being heard by  
9 the docs, even though there's a --

10 MEMBER SIMBERKOFF: And the civilian  
11 population?

12 DR. KALASINSKY: The civilian  
13 population, that was one of the big problems  
14 initially, the kinds of symptoms that we see in  
15 the Desert Shield/Desert Storm OIF/OEF veterans  
16 are the same kinds of symptoms that occur in the  
17 general population.

18 Some of the early studies, early  
19 epidemiology studies on Desert Shield/Desert  
20 Storm show somewhere in the 10 to 15 percent of  
21 the non-deployed folks having the same sets of  
22 symptoms that the deployed folks had.

1           The difference was that the deployed  
2 folks had those symptoms at a rate of 30 to 40  
3 percent. So it's that differential that was the  
4 concern, the differential between what you might  
5 call a baseline where everybody has, you know,  
6 symptoms that everybody has and then that jump in  
7 the deployed.

8           So that differential of maybe 25  
9 percent, that's the number you'll probably hear  
10 about Desert Shield/Desert Storm, that 25 percent  
11 of the veterans have these problems. But it's  
12 that 25 comes from a differential between the  
13 baseline, which is at 10 or 15 percent and 40  
14 percent that we see in the Desert Shield/Desert  
15 Storm veterans.

16           So yes, those symptoms are in the  
17 general population, but they seem to be elevated  
18 in the populations that we've sent into that  
19 region, the southwest.

20           MEMBER PAMPERIN: Taking off of what  
21 he just asked, what about the Iraqi civilian  
22 population?

1 DR. KALASINSKY: You know, we don't  
2 hear much about them. I only hear from the Iraqi  
3 civilian population is that depleted uranium is  
4 causing all kinds of problems. But we don't see  
5 this other set of symptoms. I don't know if they  
6 just don't report them or if they've grown  
7 accustomed to dealing with things that in their  
8 desert environment. But we don't hear a lot  
9 about these kinds of symptoms.

10 MR. SAMPSEL: I've got a question.  
11 I've taken a look at most of the IOM National  
12 Academies research papers, reports. There's not  
13 much evidence in those reports for long-term  
14 health risks, based on my review of them. Would  
15 you agree with that?

16 DR. KALASINSKY: Yeah, yeah.

17 MR. SAMPSEL: So what does the  
18 Committee have to say about that? I mean we're  
19 talking about medical conditions. Part of the  
20 issue is the fact that a veteran needs to get  
21 service connected sometimes in order to get  
22 treatment by VHA, and these IOM reports have

1       tried to address that, but we don't see too much  
2       evidence for long-term health threats. What do  
3       you think about that?

4                   DR. KALASINSKY: Well, let me get the  
5       microphone here. The Institute of Medicine,  
6       National Academy of Medicine reports typically  
7       deal with research that's been published, and so  
8       I'd like to make the distinction between what  
9       they do for us and what the Advisory Committee  
10      does for us because -- in a way that suggests  
11      that our Advisory Committee looks at what's  
12      happening and sees what's happening in the  
13      technology world, in the medical field and, you  
14      know, is looking forward at what we can do to  
15      maybe understand what's happening to, in Gulf War  
16      veterans, whereas the Institute of Medicine looks  
17      at what's already been published.

18                   So they're kind of looking backwards  
19      and we expect the Advisory Committee to look  
20      forward.

21                   MR. SAMPSEL: Do you have  
22      recommendations for long-term health effects, I

1 mean, that might get, I don't know, into the  
2 general knowledge, public knowledge or medical  
3 knowledge that will be translated into benefits  
4 for those veterans?

5 DR. KALASINSKY: Yeah. One of the  
6 problems, excuse me. One of the problems with  
7 looking at published research is that there  
8 aren't many published studies that the Institute  
9 of Medicine can look at. So there will be one or  
10 two or three in any given area, and you know, in  
11 science and in medicine, when we're looking at  
12 research, we like to see replication. We like to  
13 see things that have been done and verified and  
14 validated and everything else.

15 So the Institute of Medicine takes  
16 that view. If they're presented with a pilot  
17 study of a dozen or 20 people, that doesn't carry  
18 as much weight with them as a study that's  
19 involving two or three hundred or a thousand  
20 people or 15,000 people. So they have to weigh  
21 all of that.

22 But at the same time, we ask our

1       Advisory Committee to look at the published  
2       research and tell us what to do next, so that we  
3       can get some folks to do the research that will  
4       inform the IOM, so that they can make their  
5       reports and make their reports useful for exactly  
6       what we said, the benefits side and health care  
7       side.

8                       So it's difficult because it takes a  
9       long time to do research. It's not easy to do.  
10      We need veterans to volunteer to participate in  
11      the research studies. Believe it or not, some  
12      veterans don't like the VA and so they're  
13      hesitate to get involved with the study.

14                      Those who do will often complain well,  
15      I was in that study but nobody ever told me  
16      anything. Well, the research studies are not  
17      clinical care and so we don't -- we don't use  
18      that as a diagnostic tool for an individual  
19      veteran who might be in the study. We're looking  
20      at the population to see what works for a group  
21      of veterans, what works, what doesn't work.

22                      So there's a lot of frustration on the

1 side of veterans with the pace of research, the  
2 kinds of research that gets done and ultimately  
3 what happens to that research. And any time I  
4 say well, it's going to take time for this study  
5 to be completed, and the response I get from  
6 veterans well, it's been 25 years.

7 Well, we only started the project last  
8 week. You've got to give us two years, three  
9 years, four years for this to happen. Okay,  
10 we'll be up to 30 years by now.

11 MR. SAMPSEL: Now I'm --

12 DR. KALASINSKY: That's the way  
13 research works.

14 MEMBER SIMBERKOFF: So part of the  
15 frustration, and I'm entirely sympathetic to what  
16 you say though is that, you know, I think the  
17 veterans are concerned I think, you know, about  
18 the very limitations that you mentioned at the  
19 very start.

20 The reality is that there's a far  
21 bigger pot of money out there, which could be  
22 used to, you know, study these problems if, you



1 know, if there were some way of getting other  
2 agencies to fund them, you know, and I don't know  
3 if there's a way of doing that but --

4 DR. KALASINSKY: Anybody from HHS in  
5 here? No, okay. Health and Human Services  
6 doesn't provide funding for Gulf War research  
7 anymore. They did in the 90's, but that tapered  
8 off.

9 So it's just VA and DoD. VA's got a  
10 budget that well, the set-aside that we have  
11 internally is \$15 million a year for Gulf War  
12 research, and it's difficult. It has been  
13 difficult for us to find research studies that  
14 are scientifically valid and safe enough for the  
15 veterans to spend that \$15 million.

16 So what we don't spend on Desert  
17 Shield/Desert Storm will go for OIF/OEF or some  
18 of the other programs. So there's 15 million.  
19 At least it's sort of quote-unquote guaranteed,  
20 and then the DoD has either \$20 million for this  
21 year, and they won't know until the budget's  
22 passed, and we're already in March.

1                   So we're already in the second quarter  
2 of the year and they don't even know if they've  
3 got a budget yet. So there are some serious  
4 problems with the mechanics of doing the  
5 research.

6                   CHAIRMAN MARTIN: Does that budget  
7 number have to be carried over -- carried over to  
8 the next year, or does it have to be used by the  
9 end of that year?

10                  MEMBER SIMBERKOFF: No, it's about a  
11 year so --

12                  MEMBER BROWNE: Is there any follow-up  
13 that was done on the depleted uranium group that  
14 was sort of first ones to come out, and so that  
15 nothing really was going on now that we're 20  
16 years down the line? Anything on that?

17                  DR. KALASINSKY: The folks who thought  
18 that they had been exposed to depleted uranium  
19 were all sort of put into a list and then  
20 examined and the Baltimore VA is still running  
21 the surveillance program, yes. So anybody with  
22 embedded fragments is a certain part of that, and

1 anybody else who had high levels of uranium are  
2 part of that as well.

3 So they're still monitoring those guys  
4 and they publish two or three research papers a  
5 year on various aspects of what's going on. So  
6 the kidney is one of the targets of uranium, so  
7 they've published some papers on kidney function  
8 in a lot of these veterans, and so far so good.  
9 There haven't been any problems with kidneys. So  
10 it seems to be a non-issue.

11 Now there are some veterans who have  
12 contacted me who claim that they inhaled fine  
13 depleted uranium dust and that they haven't been  
14 treated adequately. Anybody who had concerns  
15 about that is supposed to sign up and be followed  
16 by the Baltimore VA. So I'm not sure how that  
17 happened. I mean I've tried to get those folks,  
18 those veterans in touch with the Baltimore group,  
19 but I don't know if -- how often they do and how  
20 often they get involved. I'm way over time.

21 MEMBER BROWNE: On the internal  
22 studies that the VA is doing when you were doing

1 the earlier slides, how do you determine what  
2 they're going to look at since it's based upon  
3 what the clinicians within the system finds if  
4 it's X number of patients coming in complaining  
5 of whatever.

6 They determine that if they are -- if  
7 it's a veteran that says repeatedly I'm having  
8 these kinds of symptoms and this is something  
9 that should be looked at, that would stimulate --

10 DR. KALASINSKY: It's more the former,  
11 although obviously if veterans come in  
12 complaining of an issue, that kind of piques the  
13 curiosity of the docs who are treating them. But  
14 it's only if a doc sees a few patients that have  
15 the same problem that he or she can say this  
16 seems to be a problem and we need to do something  
17 about it.

18 So it's -- the veterans have to be  
19 involved and coming in and talk to the providers,  
20 and then providers have to take the next step and  
21 request research funds.

22 MEMBER BROWNE: Thank you.

1                   CHAIRMAN MARTIN: Hal, do you have any  
2 questions at this point?

3                   MEMBER BIRD: Yes, thank you. I  
4 wonder, excuse me, I wonder what the perspective  
5 is on how the presumptive aspect has been  
6 received at the veteran experience level out at  
7 the VA facilities?

8                   MALE PARTICIPANT: How the presumptive  
9 aspect?

10                  MEMBER SIMBERKOFF: Is there  
11 presumptive diagnostics?

12                  DR. KALASINSKY: There are some  
13 presumptives, but no, I think I might just hand  
14 that one off to somebody.

15                  MR. SAMPSEL: Well that's a whole  
16 topic. That's a whole topic. I have had to talk  
17 about presumptive -- shall I talk about  
18 presumptive now?

19                  DR. VVENDENSKAYA: Well, pardon me  
20 Hal. Mr. Bird, would you table that question for  
21 Mr. Sampsel's presentation, because that would be  
22 a little bit more in his area of expertise --

1 MEMBER BIRD: Yeah.

2 DR. VVENDENSKAYA: And we can carry on  
3 Dr. Kalasinsky's presentation for now. Is that  
4 okay with you?

5 MEMBER BIRD: Terrific.

6 DR. VVENDENSKAYA: Great.

7 MEMBER BIRD: Yes, terrific. Thank  
8 you.

9 DR. KALASINSKY: I can wrap up in less  
10 than 30 seconds.

11 MR. SAMPSEL: I have one quick  
12 question though.

13 MALE PARTICIPANT: Will it take more  
14 than 30 seconds?

15 (Laughter.)

16 MR. SAMPSEL: It's related to that  
17 question that we just got. Do you work at all  
18 with other, the other offices in VHA, the C&P  
19 examiners, for example, and post-deployment  
20 health, Loren Erickson's group?

21 DR. KALASINSKY: We work very closely  
22 with Loren Erickson's group. They're in the

1 Post-Deployment Health Services, which is part of  
2 Patient Care Services in the VHA. They used to  
3 be called the Office of Public Health, and they  
4 do many of the epidemiology studies, the large  
5 surveys, 15,000 exposed, 15,000 non-exposed and  
6 we've been following a group of those for a  
7 number of years.

8 They do other epidemiology studies.  
9 So we work very closely with them and we don't --

10 MR. SAMPSEL: Research on the  
11 assessment group.

12 DR. KALASINSKY: Right. We don't work  
13 with them very much at all because we're the  
14 research side. So post-deployment health is kind  
15 of in between us and them. So they, you know,  
16 they look at the public health side of things,  
17 and that feeds into the C&P examiners and that  
18 side of things. Post-Deployment Health also does  
19 some research. So we do deal with Loren and his  
20 crowd quite a bit.

21 I should say that Dr. Erickson, Loren  
22 Erickson that Mr. Sampsel just mentioned is -- I

1 think he said he's a 32 year veteran, a retired  
2 colonel. I got to know him when I was at Walter  
3 Reed Army Medical Center and he was at the Walter  
4 Reed Army Institute of Research. So some of  
5 these connections that we have with folks go a  
6 few years back.

7 Let me see. To wrap up, where are we  
8 on the slides? What's after that? Yeah.

9 DR. VVENDENSKAYA: Slide 19.

10 DR. KALASINSKY: This can be 30  
11 seconds' worth. The next slides, four or five  
12 slides are projects that we funded. If there was  
13 plenty of time, I could give you an idea of what  
14 was going on with these projects. But I just  
15 want to give you a sense of the kinds of research  
16 projects that are going on that we're funding  
17 through the Office of Research and Development at  
18 many, many different VA medical centers.

19 Here is a slide of treatments, a slide  
20 -- the next one is biomarkers and the mechanisms  
21 of the health problems. The next line is model  
22 systems. These are the ones that are animal



1 studies or cell cultures or blood studies, things  
2 like that.

3 The next slide gives you an idea of  
4 some of the projects that we've recently selected  
5 for funding. Oh, here we go, and then the next  
6 slide gives you an idea of some of the projects  
7 that were recently completed, and so we're  
8 expecting publications to come out with other  
9 studies. That's all I wanted to cover. I also  
10 put two slides at the very end that give you some  
11 of the text from the public laws, but that's just  
12 for morbid curiosity more than anything else.

13 MEMBER PAMPERIN: Could I just ask  
14 one question? Have you ever actually looked at  
15 the rating data that DVA has created now from a  
16 research perspective, you know? You know the  
17 cohort People who work in the Gulf War. DVA  
18 could tell you how many of those people have  
19 applied or participated, and it will tell you to  
20 the extent that they have been, even if they've  
21 been totally denied, the issues that they have  
22 dealt with.

1                   Has anybody looked at that for any  
2                   kind of thing other than well that's what  
3                   veterans do, you know? Is it all the same or not  
4                   the same or --

5                   DR. KALASINSKY: I'm not aware of  
6                   anybody having been funded to do that kind of a  
7                   look at DVA data. There is a group, Joe  
8                   Salvatore's group basically called the National  
9                   Center for Veterans something Statistics, and  
10                  they did pre-9/11 report and they did a post-  
11                  9/11. They're involved somehow with the reports.

12                  So DVA tabulates this information, but  
13                  we've not done any research on that, primarily  
14                  because it's, you know, it's already tabulated.  
15                  There's nothing for us to have people do with it.  
16                  So the answer is no, we haven't done anything  
17                  with that, primarily because DVA tabulates them.

18                  MEMBER PAMPERIN: And the DVA doesn't  
19                  know what it means. I mean it's tabulated to  
20                  make payments, not for health care.

21                  DR. KALASINSKY: I'm certainly not  
22                  going to answer that one.

1                   MEMBER PAMPERIN: Well no. I mean  
2 realistically, it's accumulated for an entirely  
3 different reason and you know, it knows -- it's  
4 the justification for payment. But whether or  
5 not contained within it is something, you know,  
6 some strand that might be meaningful or not is,  
7 you know --

8                   DR. KALASINSKY: Well, we do fund some  
9 folks to look at VHA data, to see what kinds of  
10 treatments Gulf War veterans are getting, how  
11 difficult it is for Gulf War veterans to navigate  
12 the VA system of health care. So our focus is  
13 generally on the VHA side. We try not to step  
14 into the VA side.

15                   MEMBER SIMBERKOFF: To what extent are  
16 the data that are produced by your studies and so  
17 forth shared with the individuals at the medical  
18 centers, clinics, etcetera that, you know, are  
19 actually seeing patients, you know, other than  
20 the fact that they're published and available,  
21 you know, if you happen to get into ARETHA  
22 (phonetic)?

1 DR. KALASINSKY: Sure, if you happen  
2 to have the time to read the literature, yeah.

3 MEMBER SIMBERKOFF: Yeah.

4 DR. KALASINSKY: There's a whole --  
5 the whole issue of provider education is  
6 something within the VHA. We don't do provider  
7 education per se in the Office of Research and  
8 Development, but we partner or at least work with  
9 the Post-Deployment Health folks at the old  
10 Office of Public Health.

11 They do have a number of education  
12 programs, and there have been -- well, there are  
13 monthly --

14 MEMBER SIMBERKOFF: Webinars?

15 DR. KALASINSKY: Webinars,  
16 teleconferences. I'm trying to remember what  
17 they call them, but they're organized actually by  
18 one of the members of the Committee, Steve Hunt  
19 who's at the Seattle VA Medical Center. So  
20 they -- Community of Practice they call it. So  
21 they invite providers to sign up for a one hour  
22 seminar every month, and different topics come

1 through there.

2 Gulf War has certainly been on there.  
3 One of other members, Jim Bunker, and another  
4 veteran were the presenters for all the  
5 teleconferences that they held. So there are  
6 conferences like that that are run monthly for  
7 practitioners, primary care providers.

8 And then there are webinars from what  
9 we call the WRIISC, W-R-I-I-S-C, the war-related  
10 information study centers. They have a monthly  
11 seminar/webinar as well, and theirs can be  
12 clinically oriented or research-oriented. So  
13 many of the researchers who we fund have been  
14 provider centers on those webinars.

15 So I get to call into all of these  
16 things to see what's going on, so that I can  
17 answer questions like that for veterans in  
18 particular. So there is an effort to do this.  
19 It's not required and that's one of the things  
20 that veterans keep telling us. It's got to be  
21 required of everybody, and then of course the  
22 clinicians tell us that they've already trimmed

1 down the amount of time they spend with each  
2 veteran.

3 If they have to cut out some more time  
4 from their day for our monthly seminar, they're  
5 going to be seeing fewer and fewer veterans. So  
6 it's a tradeoff that is really a no-win  
7 situation. And so hopefully if there can be more  
8 providers in VHA, and I think I heard a  
9 conversation about the hiring freeze earlier  
10 today, and VHA has exemptions for hiring  
11 providers.

12 MEMBER SIMBERKOFF: Part of the  
13 problem is that, you know, the individuals that  
14 deal with this at the medical centers are often  
15 not -- this is a collateral duty, you know. It's  
16 not their sole responsibility, and again it's  
17 part of their budgetary problems, you know, in  
18 the facility.

19 But if you've got somebody who is, you  
20 know, a part on this Gulf War specialist who  
21 doesn't have time to, you know, actually listen  
22 to the webinars, I can understand why that might

1 produce some frustration on the part of the  
2 patients that he's trying to take care of.

3 DR. KALASINSKY: Sure. There are  
4 countless veterans who let us know in no  
5 uncertain terms that they take information to  
6 their providers and it's ignored. I must add  
7 though that there are some providers who do an  
8 excellent job in dealing with veterans, you know.  
9 We just have a whole spectrum of attitudes, and  
10 we know veterans sometimes see a good provider,  
11 sometimes see one who's too busy.

12 CHAIRMAN MARTIN: Since the original  
13 Congressional mandate for your Advisory Committee  
14 just ran through 2014, what's going to become of  
15 the committee now?

16 DR. KALASINSKY: Oh no, no, I'm sorry.  
17 The 2014 was reports to Congress from me, from  
18 the VA and DoD actually. The Committee has no  
19 deadline, I mean no end date.

20 DR. VVENDENSKAYA: Expiration.

21 DR. KALASINSKY: Expiration date,  
22 sunset. Sunset.

1                   CHAIRMAN MARTIN: Not a used, used by  
2 date or anything. Any other questions or  
3 comments for Dr. Kalasinsky?

4                   MEMBER ROBERTS: Yes. Doc, I want to  
5 ask you a quick question. Are the kinds of  
6 illnesses you're seeing coming out of the Gulf  
7 War significantly different from illnesses that  
8 come out of other wars, such as the wars in  
9 Southeast Asia and elsewhere, or are these just  
10 illnesses that are unique to any war?

11                  DR. KALASINSKY: You know, illnesses  
12 that follow any war was one of the things that  
13 was said in the 90's, and it's just not that  
14 simple. It's just not that simple. Because of  
15 the elevated numbers of folks with these symptoms  
16 and issues, it's not just that they were  
17 deployed. It's that they were deployed to this  
18 particular really terrible area, and the other  
19 things that happened there.

20                  Maybe vaccinations we don't know,  
21 maybe the pyridostigmine bromide pills, we're not  
22 sure. But certainly sand and dust and my God oil



1 fires and plumes and all that kind of stuff are  
2 not good for you.

3 It's just, and you know in the initial  
4 days after the fires started, I don't know if you  
5 remember, but there was a group of government  
6 folks who went over there, somebody from EPA,  
7 somebody from HHS, somebody from DoD, probably  
8 VA.

9 I've forgotten who all went over, six  
10 or so and they reported back that the pressure of  
11 the oil was such that the flames and the soot  
12 were flying high enough up to get dispersed and  
13 not be a problem for the troops on the ground.  
14 Frankly, I didn't buy that.

15 So I was working for DoD at the time  
16 and I arranged to go over there, and it was a  
17 mess. It was just a mess. So it's a lot more  
18 complicated than anybody expected.

19 MEMBER SIMBERKOFF: So these are the  
20 same folks that gave us that it's safe to clean  
21 up after 9/11.

22 CHAIRMAN MARTIN: Thank you. Thank

1 you very much on behalf of the Advisory Committee  
2 for talking with us today and dealing with  
3 questions. I appreciate you being here.

4 DR. KALASINSKY: I'm glad to be here.

5 CHAIRMAN MARTIN: The Advisory  
6 Committee Management Office talked about cross-  
7 pollination between advisory committees, and I  
8 appreciate you coming to bring us up to date on  
9 your committee, Dr. Kalasinsky.

10 DR. KALASINSKY: This is one of the  
11 committees that our committee members wanted to  
12 bring into our meetings. So I hope I --

13 CHAIRMAN MARTIN: Any time.

14 DR. VVENDENSKAYA: Thank you so much.  
15 Yeah. Do you want to switch places?

16 MR. SAMPSEL: Should I just switch  
17 places? Okay.

18 DR. VVENDENSKAYA: Yes.

19 CHAIRMAN MARTIN: Jim, thanks for  
20 coming back and for being here.

21 MR. SAMPSEL: Should I just -- we're  
22 going to take a break? You don't want to take a

1 break?

2 DR. VVENDENSKAYA: General Martin?

3 CHAIRMAN MARTIN: Whatever.

4 MALE PARTICIPANT: I think we're good  
5 to go.

6 CHAIRMAN MARTIN: If anybody needs to  
7 step out, you're free to do so. We'll press  
8 ahead if that's okay.

9 MR. SAMPSEL: Well, I passed out a  
10 handout with slides, so you can follow along I  
11 guess.

12 (Off mic comments.)

13 MR. SAMPSEL: If you have any  
14 questions for me, just let me know. Well, okay.  
15 We just heard about research and the problems  
16 that Gulf War veterans face. Well, I think we  
17 all know that and there's a lot of frustration  
18 among individual veterans. But VBA has to  
19 address the issue from the point of the law that  
20 we have in place, and whatever --

21 I'll say this. One reason why I asked  
22 about the other offices in VHA, there's a

1 Disability Assessment Group that conducts  
2 compensation and pension examinations. Oh, I've  
3 got a lot of stuff up there. They're the ones  
4 that conduct an exam when there's a claim for  
5 Gulf War illness, and whether --

6 Their decision pretty much dictates  
7 whether we provide a service connection. So I  
8 just wanted to mention that at the outset here.  
9 How up to date are they on the research that's  
10 going on? I'm not sure. We have to rely and I  
11 think the statement was already made there's a  
12 variety of C&P examiners, medical examiners.  
13 Some are probably more informed than others, and  
14 we regularly get statements that there's no  
15 consistency so we have to deal with that.

16 Anyway, what I'm going to do is  
17 present the statutes and the regulations and  
18 there's a number of court cases going on right  
19 now. As everyone probably knows by now, lawyers  
20 can represent, legal groups can represent  
21 veterans and they're moving into certain areas  
22 which are very interesting to me. But I don't

1 know -- they're not specifically related to  
2 research.

3 OPERATOR: Someone has entered the  
4 conference.

5 MR. SAMPSEL: So anyway, let me give  
6 the background here. I think we already got a  
7 background. You can read the kind of exposures  
8 that the Persian Gulf, first Gulf War 90-91  
9 veterans were exposed to, you know. In terms of  
10 the oil well fires, I've seen photos and I've  
11 talked to -- I have a colleague in Comp Service  
12 who was in the Marine Corps and he was involved  
13 in the first Gulf War.

14 He said the oil droplets were  
15 everywhere and they had some difficulty  
16 breathing. But I think the issue was maybe they  
17 weren't small enough to get into the bronchi.  
18 I'm not sure but it was a big problem. There's  
19 also information about the nerve gas pills and  
20 flea collars and local infection, potential  
21 infectious diseases in the area and so on. So  
22 that's the first Gulf War.

1           The second Gulf War, OIF/OEF, they did  
2 not have the oil well fires, but as was mentioned  
3 before, the statute, 38 U.S.C. 1117 and 1118 were  
4 written for the first Persian Gulf War. The term  
5 "Persian" is still in there and the Persian Gulf  
6 War is ongoing. It has not -- it has not ended.

7           So the problem we have with the  
8 regulation and the statute is that we have a  
9 group of people that were exposed to certain  
10 environmental hazards in the first Gulf War, and  
11 the information, the law about that continues  
12 through the second, essentially the second Gulf  
13 War period post-9/11.

14           The only difference I want to say at  
15 the beginning is that Afghanistan activity,  
16 Operation Enduring Freedom, they are not included  
17 in 38 1116, 1117 and 18 and also our regulation  
18 3.317. They're not included because they were  
19 not involved in the first Gulf War activity. But  
20 there are certain parts of the current 3.317 that  
21 they are included in.

22           So I guess as I put up here, 38 U.S.C.

1 1117 is modeled after the Agent Orange Act and  
2 it, the Agent Orange Act included a method, a  
3 research method, use of the National Academy of  
4 Sciences. It used to be called the Institute of  
5 Medicine, now the Academy of Medicine. They did  
6 research on the Gulf War and they produced ten or  
7 eleven reports and as I mentioned earlier,  
8 there's not much evidence for a lot of the long-  
9 term health effects that the veterans complain  
10 about.

11 That's what we have to deal with in  
12 VBA. As a result of 1117, 3.317 was produced and  
13 I'll go into that in a little more detail here.  
14 As I said, Afghanistan is not included, although  
15 most recently the IOM added nine infectious  
16 diseases to 3.317 and the Afghanistan veterans,  
17 yes they are included in that.

18 It's interesting. Some of those  
19 diseases are related to mosquito-borne diseases,  
20 and normally you think about the environment  
21 there as being a desert environment. But I think  
22 the Tigris and the Euphrates Rivers were there

1 and so on. Anyway, they're listed in the  
2 regulation.

3 So the general approach is there's  
4 what's called a disability, chronic disability  
5 pattern. That's the language in 1117 the  
6 statute, and there's a list of those symptoms,  
7 signs and symptoms that apply to these chronic  
8 disability patterns. The chronic disability  
9 patterns fall into two categories: undiagnosed  
10 illnesses and medically unexplained chronic  
11 multi-symptom illnesses that can be diagnosed.

12 So you can read up there what they  
13 are. I presume that self administration was  
14 involved in the original identification of these.  
15 It's quite a list. I won't bother to read that.  
16 Anyone can see that. Now was -- the challenge is  
17 that there are two categories.

18 So there's an undiagnosed illness, and  
19 any one of these symptoms could be an undiagnosed  
20 illness or this pattern. Apparently, these signs  
21 and symptoms show up in a cluster. So the  
22 original statute was only for undiagnosed



1 illness. But subsequent to that, apparently  
2 there was a recognition of diagnosable  
3 conditions.

4 So there are three identified  
5 diagnosable conditions called medically  
6 unexplained chronic multi-symptom illnesses.  
7 That's quite a mouthful, but that's the  
8 definition language, and they include chronic  
9 fatigue syndrome, fibromyalgia and originally it  
10 was irritable bowel syndrome but now it's  
11 functional gastrointestinal disorders.

12 So those are the identified medically  
13 unexplained chronic multi-symptom illnesses, but  
14 they're not exclusive. They're not exclusive and  
15 another disability pattern can be identified by a  
16 C&P examiner, by a VHA examiner as falling into  
17 that category. That's a challenge for them. I'm  
18 well aware of that.

19 Then there's the infectious diseases,  
20 and I didn't put a list of those but they include  
21 leishmaniasis, which is some kind of a -- I think  
22 it's a bacteria that lives in the desert

1 environment from a bacterial source.

2 VOICES: Parasites.

3 MR. SAMPSEL: Parasites. Okay, it's  
4 like an amoeba maybe.

5 FEMALE PARTICIPANT: It's a creature.

6 MR. SAMPSEL: A creature, okay. The  
7 one that's interesting to me is malaria's in  
8 there, so and I think West Nile disease is in  
9 there, diseases that are mosquito-borne diseases.  
10 At any rate, those -- Afghanistan is included in  
11 those. So when it comes to disability  
12 compensation, we have 3.317 and we also have  
13 3.303, which is the general -- and I'll go into  
14 3.317 and the special categories that are  
15 required, the requirements for that.

16 But it's important to remember that  
17 3.303, that's the general regulation for  
18 disability compensation, and that requires  
19 evidence of a current disability, evidence of an  
20 event, disease or injury in service and a medical  
21 link between the two. So when it comes to burn  
22 pits, burn pits are not part of 3.317, and

1 they're not part of the original Persian Gulf  
2 War. I think the war was moving too fast to have  
3 burn pits.

4 So but they are part of OIF/OEF and  
5 any claim based on burn pits has to be evaluated  
6 under a different regulation, 3.303. We try to  
7 make that clear to all our examiners and our  
8 raters and adjudicators. So what doesn't  
9 qualify, and if I haven't made it clear yet, this  
10 is a very confusing regulation.

11 I'm sure it is a compromise bill based  
12 on a lot of input from veterans and Congress did  
13 something and they felt like they had to do  
14 something, and unexplained, medically unexplained  
15 illnesses and undiagnosed illnesses are not  
16 readily acknowledged by the medical world. So I  
17 think you have to be in the VA system to even be  
18 aware of these kind of things.

19 So when a veteran comes in with a  
20 claim from maybe he's been diagnosed with  
21 something, a lot of times there will be a  
22 diagnosis. And so adjudicators have to be aware

1 that the outside physicians don't recognize an  
2 undiagnosed illness. So service connection  
3 requires that, but evidence submitted initially,  
4 it doesn't always show that.

5           Anyway, let me see. There's other  
6 certain requirements in order to be service  
7 connected under 3.317. First of all, there has  
8 to be six months' duration of the disability, and  
9 there has to be at least six months' duration  
10 with some kind of evidence for that and several  
11 others, qualifications.

12           (Off mic comments.)

13           MR. SAMPSEL: Well, you can put them  
14 up. I can just talk about them. I don't know  
15 that we have to go into great detail on those.  
16 There has to be generally -- well let me go, let  
17 me explain. I might be a little disorganized  
18 here. I'm trying to adapt to our first speaker  
19 here.

20           C&P examiners, this is probably the  
21 most important issue. For the incoming veteran  
22 who's filing a claim, they will -- there's a

1 liberal approach to giving them an examination.  
2 If they served in the Gulf War, Persian Gulf War  
3 or post-9/11, OIF/OEF, we will give them an  
4 examination. As long as there is some evidence  
5 from them of potential undiagnosed illness or  
6 medically unexplained chronic multi-symptom  
7 illness.

8 If it's a claim based on  
9 musculoskeletal injury, then they won't get an  
10 exam. If it's cancer or an Agent Orange-related  
11 disease, then they won't get an exam. But if  
12 it's anything else, we're very liberal and give  
13 them an exam. So the onus for what happens is --  
14 and by the way also there has to be some evidence  
15 that the disability is manifested at ten percent.  
16 In other words, it can't be some kind of latent  
17 thing with no apparent symptoms.

18 At any rate, the charge to the C&P  
19 examiner, which is really critical, is they have  
20 four options when they examine the veteran.  
21 Number one is an undiagnosed illness, and the  
22 undiagnosed illness, as I think we already heard,

1 is something that shows up in signs and symptoms  
2 but there's no diagnostic test that shows clearly  
3 that it can be diagnosed and so on.

4 The second thing is a diagnosable but  
5 medically unexplained chronic multi-symptom  
6 illness with partially understood etiology. This  
7 is another confusing aspect. The regulation  
8 requires for a medically unexplained chronic  
9 multi-symptom illness, requires that there is no  
10 clear etiology or pathophysiology. That is part  
11 of the definition of a medically unexplained  
12 chronic multi-symptom illness.

13 However, the statute says that if it's  
14 partially understood, then that does not qualify  
15 under 3.317 for service connection under Gulf War  
16 illness. So this is a complicated area and the  
17 examples given by the statute are diabetes and  
18 multiple sclerosis.

19 I'm not sure why they came up with  
20 those, but that's what they came up with. I'm  
21 presuming that by virtue of diabetes, you know,  
22 involving the blood sugar system, multiple

1 sclerosis involving the neurological system, that  
2 there's identified pathophysiology there, and as  
3 a result that is excluded.

4 So it's up to the examiner to  
5 determine whether this is a medically unexplained  
6 chronic multi-symptom illness with no known  
7 etiology and pathophysiology, or with a partially  
8 known. If it's partially known, it can't be  
9 service connected. Then the third is a medical  
10 -- there is an undiagnosed illness.

11 There's diagnosable, medically  
12 unexplained chronic multi-symptom illness with no  
13 pathophysiology or etiology, and then partially  
14 understood, and then finally a disease with a  
15 clear, specific etiology and diagnosis. That's  
16 where the Afghanistan service comes in and the  
17 burn pits.

18 So those four examples are potential  
19 identification by the C&P examiner, those are  
20 given to the examiner up front, and it's up to  
21 that examiner to examine the veteran and  
22 determine which one of those, if any, that the

1 veteran can be identified with.

2           So when the examiner produces a  
3 report, then the adjudicators will pretty much  
4 rely on that and they'll service connect or not  
5 service connect based on that. So there's been a  
6 number of issues that come up along these lines.  
7 Anyone having questions on the four potential  
8 criteria for the examiners and essentially these  
9 are followed by all the raters in all the  
10 regional offices.

11           I've done a couple of trainings and  
12 for what it's worth, a lot of the regional  
13 offices are overworked. They think that we're  
14 too liberal with our examinations, but that's the  
15 policy and pretty much that's what we stick to.  
16 So some of the issues that have come up legally,  
17 I want -- also I want to -- maybe I can use, I  
18 think sleep apnea came up a little bit ago, sleep  
19 disturbances.

20           This illustrates some of the problems  
21 that we have. Sleep apnea, we've gone around and  
22 around with general counsel and with VHA about



1 this, but here kind of shows -- this issue kind  
2 of shows the problem that we face. Sleep apnea  
3 is a diagnosable condition, and therefore it  
4 can't be service connected under 3.317.

5           However, sleep apnea, two of the signs  
6 and symptoms of sleep apnea are sleep disorder  
7 and breathing disorder. Both of those are signs  
8 and symptoms under the regulation and the  
9 statute. So the issue is should this be service  
10 connected, and the way we've kind of dealt with  
11 it is that if the veteran files a claim and his  
12 file, his record shows a diagnosis of sleep apnea  
13 with a CPAP device or some kind of assistance or  
14 breathing device, then it's a clear diagnosis.

15           On the other hand, if the veteran says  
16 I have sleep problems. I have breathing  
17 problems. Maybe he's heard the word sleep apnea  
18 and that gets into the claim as a word, but  
19 there's no evidence that he's ever been diagnosed  
20 or treated for that, then we'll generally give  
21 them an examination and leave it up to the  
22 examiner as to whether this is diagnosable or

1 whether it's not diagnosable.

2           If it diagnosable, then we can't  
3 service connect it. So these are the kind of  
4 things that come up and as I said, there's a lot  
5 of confusion about this. For example, there's  
6 confusion among C&P examiners. I gave a  
7 presentation to some C&P examiners several years  
8 ago. I got several questions about -- from the  
9 examiners, from the VHA examiners.

10           For example, one examiner said do we  
11 have to -- do we have to diagnose? Do we have to  
12 produce an undiagnosed illness? Do we have to  
13 produce -- do you want us to be liberal about  
14 that? My response was it's up to you. You're  
15 the medical person. It's up to you, and this  
16 examiner gave an example.

17           He said that a veteran came into him  
18 with a complaint of chronic fatigue syndrome, and  
19 the veteran had been in the Gulf War and he was  
20 married. He had several children. He was  
21 working part-time, going to school part-time and  
22 based on his lifestyle, the examiner thought this

1 is a normal situation with this kind of  
2 lifestyle.

3 (Off mic comment.)

4 MR. SAMPSEL: So the question, this  
5 illustrates the problem, and we in DVA, we have  
6 to go with the C&P examiners. I just want to  
7 make that clear.

8 Any questions?

9 MEMBER BROWNE: Two. You said a  
10 condition if it's diagnosable, it can't be  
11 related to the service --

12 MR. SAMPSEL: It can't be service  
13 connected under the regulation that addresses  
14 Gulf War illness.

15 MEMBER PAMPERIN: But it could be  
16 service connected.

17 MR. SAMPSEL: It can be service  
18 connected, under the general regulation, 3.03.

19 MEMBER BROWNE: Oh, under that  
20 particular regulation.

21 MR. SAMPSEL: Yeah. I want to make it  
22 clear that 3.317 is a special regulation outside

1 of the regular disability claim process. It's  
2 special for the Gulf War situation.

3 MEMBER BROWNE: Okay. So it's not  
4 service connected under 3.317, which is  
5 specifically for Persian Gulf?

6 MR. SAMPSEL: Yeah. 3.317 is  
7 specifically for undiagnosed illnesses, and  
8 medically unexplained chronic multi-symptom  
9 illnesses which are a pattern, a disability  
10 pattern. Three of them are presumptive. I think  
11 this goes to an earlier question that came in.  
12 The three presumptive are the ones that I  
13 identified, fibromyalgia, irritable bowel  
14 syndrome and functional yeah, gastrointestinal.

15 So one of the issues that we've had in  
16 the past, coming in from advocates for Gulf War,  
17 Gulf War claimants and veterans is that C&P  
18 examiners don't recognize the idea of a  
19 presumption, and even though the word  
20 "presumption" is not in this statute or this  
21 regulation, essentially these are presumptive  
22 diseases, because if you get diagnosed, you're

1 automatically service connected. The only thing  
2 you have to have is service in the Gulf War  
3 theater of operations.

4 So if it turns out that the veteran  
5 served there or they get a diagnosis, then it's  
6 not under 3.317 anymore and it's up to the  
7 examiner to say that okay, there's a diagnosable  
8 condition here, let's say asthma, because I want  
9 to talk about asthma in a minute. It's a new  
10 legal issue. So if it's that, then 3.317 does  
11 not count, because it's not undiagnosed.

12 So then it has -- if it's going to be  
13 service connected, it has to be under the general  
14 regulation, and there has to be a medical link  
15 between service in the Gulf War and this  
16 diagnosed condition, and the medical link is the  
17 compensation and pension exam. If the examiner  
18 says no, maybe it's based on smoking, too much  
19 smoking or something, then no service connection.

20 DR. VVENDENSKAYA: So if we had just  
21 to make a very bold, simple statement for the  
22 medical doctors examiners, because we deal with

1 it all the time, the biggest difference for  
2 medical examiners, medical professionals in the  
3 3.17 and 3.03 is 3.17 does not require you to  
4 make medical judgment. It's done for you by the  
5 VA. 3.03, we ask you to make that nexus.

6 MR. SAMPSEL: Well, there's -- you  
7 still have to --

8 DR. VVENDENSKAYA: I mean to simplify,  
9 yeah. Just in terms only what Jim mentioned,  
10 that medical examiners can look at this  
11 presumptive concept, and what I'm trying to say  
12 is don't worry about presumption for 3.17; that's  
13 not medical examiner's job. That's a policy  
14 decision which was based on maybe --

15 MR. SAMPSEL: Yeah. It's based on the  
16 law, as stated.

17 DR. VVENDENSKAYA: Yes.

18 MR. SAMPSEL: However, the examiner  
19 still has to come up with identifying an  
20 undiagnosed illness or a medically unexplained  
21 chronic multi-symptom illness.

22 DR. VVENDENSKAYA: Yes.

1           MR. SAMPSEL: But they don't have to  
2 link it to service once they come up with that.  
3 That's the difference between a presumptive and  
4 the regulation 3.303 disability process.

5           MR. MANAR: I'm sorry. There's  
6 something else to keep in mind here, and it goes  
7 to the various methods of how you grant service  
8 connection. I'm sure the Committee has gone  
9 through it ad nauseam in the past.

10           But we've seen with hundreds of  
11 thousands of service members over the last  
12 several years, as they're getting out of service,  
13 many, many of them are experiencing sleep  
14 disorder for instance, and if they haven't  
15 already had a sleep study we encourage them to  
16 get one, to see if they have in fact sleep apnea.

17           At that point, whether they've been in  
18 the Gulf or not, and many of them have served in  
19 the Gulf War, then if they're diagnosed with it  
20 they can be granted service connection on a  
21 direct basis as they're getting out of the  
22 service. They don't have to rely on, you know,

1 post-service presumptive.

2 MR. SAMPSEL: Well that's true.

3 Anything that shows up in the service is going  
4 to be service connected.

5 MR. MANAR: Yeah. So we're likely  
6 talking about people who have been out of the  
7 military for some time, and are now claiming  
8 these disabilities.

9 MR. SAMPSEL: That's the majority of  
10 claims, for Agent Orange and Gulf War many years  
11 out, and now they're coming back. It's rare when  
12 a recently discharged veteran will make these  
13 kind of claims, because you know, they get  
14 thoroughly examined now prior to discharge. They  
15 didn't always -- that didn't always happen. So  
16 yeah. Generally these are older. They've been  
17 out of the service for quite a while.

18 CHAIRMAN MARTIN: Hal, did you have a  
19 question for Jim?

20 MEMBER BIRD: I'm actually out of  
21 questions for Jim, yes. Thank you. Mr. Sampsel,  
22 could you go back to the first paragraph under



1 Claims Processing, and it says "No need for  
2 veterans whose specifically claimed disability in  
3 any stage of service and get into that a little  
4 bit please first."

5 MR. SAMPSEL: Well, that's true. We  
6 had an issue with the regional offices where they  
7 thought that the veteran, if the veteran just  
8 came in and claimed something, they're not going  
9 to get a 3.317 exam. We had to clarify for them  
10 that they don't have to claim that this is due to  
11 the Gulf War. If they served in the theater of  
12 operations, then we will give them an exam.

13 So that was -- I put that in there  
14 because several years ago, this was an issue. We  
15 try to be very liberal with providing the  
16 examination, and that's part of it.

17 MEMBER BIRD: This whole thing is  
18 stunning to me. I just wrapped up my claim less  
19 than a year ago, but I was at it for three years  
20 and I have 10 of the 13 conditions listed under  
21 the disabilities that are involved. One of them  
22 a applies only to females, so I would not have

1 that one.

2 MR. SAMPSEL: I understand that.

3 MEMBER BIRD: At least not normally.

4 However, I spoke with everybody at every step  
5 along the way and I was rejected at every turn,  
6 and I fit classically, and everybody I talked to  
7 treated me like a leper and like I was after  
8 something that I did not deserve, and was never  
9 given exams even in spite of the fact that I had  
10 in the end two C&P examiners on other issues and  
11 one of them was just emphatic that I should get a  
12 Rule 4 exam, and I said please help me do that.  
13 I can't get anybody to listen to me about that.

14 She said well, I can't. I want to  
15 give you an exam, and I can't give you an exam on  
16 anything that I wasn't -- I can't get out of my  
17 box. I can't do that. I can tell you that this  
18 is still a big problem today.

19 MR. SAMPSEL: Well, I know there's a  
20 problem. We're trying to grip these problems.  
21 That's why we have an appeal process.  
22 Unfortunately, there's not total consistency

1 throughout the regional offices and that's not  
2 just because of Gulf War issues.

3 MEMBER BIRD: That Jim is the  
4 understatement of this weekend's meeting right  
5 there. I would say -- I would take that a step  
6 further and say there is a disdain for the term  
7 presumptive in both wars. That's from my  
8 experience.

9 MR. SAMPSEL: Well, I don't know about  
10 that. I can't address that. I will tell you  
11 that we had -- a while back we had this issue,  
12 the issue of presumptions. There's a Gulf War  
13 advocacy group that raised this. The issue  
14 really was that an examiner would come up with a  
15 diagnosable medically unexplained chronic multi-  
16 symptom illness like fibromyalgia. They would  
17 come up with that diagnosis, based on the  
18 examination.

19 But then they would say that this is  
20 not due to Gulf War. This is due to something  
21 else, maybe you know, a particular lifestyle or  
22 whatever. So as we modified and we made it clear

1 to the field that there's no nexus required for a  
2 presumptive.

3 The examiner -- so in other words, we  
4 modified our exam request so to take out the  
5 sentence "please provide an opinion about this,"  
6 because the opinion applies to the 3.03 issue.  
7 It does not apply --

8 MEMBER BIRD: But what happens, what  
9 happens when they won't even give you an exam  
10 before, and you served in the Gulf War? How do  
11 you overcome that?

12 MR. SAMPSEL: Well, you file an  
13 appeal, I guess, for the DRL. I don't know why  
14 you didn't get that exam. Anybody who served in  
15 the Gulf War theater of operations should get a  
16 Gulf War exam.

17 MEMBER BIRD: It's not happened and I  
18 can tell you that I was pretty aware of all this,  
19 being in my position on this Committee and in  
20 both of the facilities in the North Texas  
21 Regional Office, I talked to everybody there I  
22 could come in contact with, and I couldn't get

1 anybody that would say yes, you need to get one  
2 of these and we have to get one.

3 MR. SAMPSEL: Well, did you get -- did  
4 you get your exam?

5 MEMBER BIRD: Not a Gulf War exam.  
6 Nobody would give me one.

7 MR. SAMPSEL: Well if you need a Gulf  
8 War exam, contact me after this and we'll look  
9 into it.

10 MEMBER BIRD: I'd just say -- I will,  
11 and I just want you to tell them that this is not  
12 happening. At least in North Texas it's not  
13 happening, and I want to thank you.

14 MR. SAMPSEL: Okay. Well like I said,  
15 we try to get all the regional offices to be on  
16 the same page when it comes to this. We've made  
17 many statements and given many trainings saying  
18 be liberal on Gulf War exams. There's a DBQ.  
19 There's a special -- you guys have talked to DBQ.  
20 There's a special DBQ for the Gulf War exam, and  
21 it lists for the examiner the four options that I  
22 talked about here.

1           So I'd like to address, if we have  
2 time here, a couple of the legal issues that are  
3 coming up right now. As I said, the advocates  
4 are concerned because there's a very low grant  
5 rate on 3.317 Gulf War claims, and that's not an  
6 issue for VBA.

7           That's essentially a VHA, Veterans  
8 Health Administration issue because they're the  
9 ones that conduct the examinations, and their  
10 medical opinion is what generally what raters  
11 will go with. So I don't know.

12           MEMBER SIMBERKOFF: So do you have the  
13 numerator and denominator? Do you have any --  
14 how many people are requesting exams, how many  
15 are getting it and then what are the, you know,  
16 the percent getting them and we can see what the  
17 percent of --

18           MR. SAMPSEL: Well, there is --  
19 there's statistics. The grant rate is pretty  
20 low. I think it's around 20 percent, 30 percent.  
21 The grant rate in general is around 50 to 60  
22 percent for all disabilities.

1                   MEMBER SIMBERKOFF: So when you say 20  
2 percent, is that 20 percent of vets or 20 percent  
3 of --

4                   MR. SAMPSEL: That's a 20 percent  
5 grant rate for the claims, the number of claims  
6 filed for 3.317.

7                   MEMBER SIMBERKOFF: Filed and all of  
8 those people are getting exams, or are some of  
9 them not getting them?

10                  MR. SAMPSEL: No, they're getting  
11 exams.

12                  MEMBER PAMPERIN: The fact that they  
13 aren't granted under 3.317 doesn't mean they  
14 haven't been granted, right?

15                  MR. SAMPSEL: Well, PA&I does the  
16 research and I'm sure there are some that were  
17 granted under 3.303 and like I said, Afghanistan  
18 veterans wouldn't fall under 3.317. They're  
19 still going to get an exam. Basically, they get  
20 the 3.317 DBQ, but the only issue for the  
21 examiner is whether number four, do they have a  
22 diagnosis. Unless we're talking about one of the

1 presumptive diseases.

2 MEMBER SIMBERKOFF: So well, the  
3 question then is --

4 MR. SAMPSEL: But I would say --

5 MEMBER SIMBERKOFF: Of those people  
6 that are filing the request, are they being  
7 diagnosed with one of the three things that you  
8 listed --

9 MR. SAMPSEL: Well, there's only two  
10 that can qualify.

11 MEMBER SIMBERKOFF: Pardon me?

12 MR. SAMPSEL: There's only two things  
13 that can qualify.

14 MEMBER SIMBERKOFF: I thought there  
15 were three.

16 MR. SAMPSEL: Undiagnosed illness and  
17 diagnosable medically unexplained chronic multi-  
18 symptom illness with no pathophysiology or  
19 etiology. If there's partially understood --  
20 see, that's where it comes in for the examiners.  
21 I am not sure how they evaluate these kind of  
22 things. That's a kind of a very nebulous issue



1 in my mind.

2 But anyway, if they have the medically  
3 unexplained chronic multi-symptom illness pattern  
4 but somewhere in there, the etiology is there or  
5 the pathophysiology is there, they're not going  
6 to get diagnosed. They're not going to --

7 (Simultaneous speaking.)

8 MEMBER SIMBERKOFF: What does the DBQ  
9 actually say?

10 MR. SAMPSEL: Well, the DBQ says these  
11 three things, four things.

12 FEMALE PARTICIPANT: I've looked at  
13 the DBQ.

14 MR. SAMPSEL: You can pull up the DBQ  
15 some time and take a look at it.

16 MEMBER SIMBERKOFF: I haven't looked  
17 at it.

18 MR. SAMPSEL: Oh okay.

19 MEMBER SIMBERKOFF: So the question is  
20 do they want to admit that they can't make a  
21 diagnosis?

22 MR. SAMPSEL: I think the problem

1 comes in where the Committee on the Gulf War is  
2 looking at things and is very sympathetic to  
3 neurological problems and so on and so on. But  
4 it hasn't translated into any law or any  
5 regulation yet, and DBA is obligated to follow  
6 3.317.

7 DR. VVENDENSKAYA: Letting everybody  
8 take an exam.

9 MR. SAMPSEL: Yeah.

10 MEMBER SIMBERKOFF: Is there a  
11 possibility you can print it, have somebody print  
12 this out so we can look at it a little bit more?

13 DR. VVENDENSKAYA: During my lunch  
14 break. We don't have any printers here.

15 MR. SAMPSEL: These were developed to  
16 promote consistency among examiners, excuse me,  
17 examiners. But examiners. I'm thinking of the  
18 Terminator, right? Anyway --

19 (Laughter.)

20 DR. VVENDENSKAYA: I'm just going to  
21 scroll past all these categories.

22 MEMBER SIMBERKOFF: So you've just got

1 to stop now, because we're getting down to, you  
2 know.

3 MR. SAMPSEL: These are --

4 DR. VVENDENSKAYA: I just want to go  
5 to the last section which asks you --

6 MR. SAMPSEL: Yeah, where they're  
7 supposed to -- what are they supposed to do.

8 (Simultaneous speaking.)

9 MR. SAMPSEL: Say no etiology, okay.  
10 And you know, I would like to see -- one reason I  
11 asked about whether the science or the research  
12 being done on Gulf War issues has filtered down  
13 to the C&P examiners. I mean it's still --

14 MEMBER SIMBERKOFF: That's a question  
15 that we asked.

16 MR. SAMPSEL: It's filtered down to  
17 Loren Erickson's group, which I work with  
18 regularly, Post-Deployment Health, the Office of  
19 Public Health. But I don't see that it's been  
20 communicated to the average C&P examiner, and  
21 there's so many medical facilities around the  
22 country, and yet they get this DBQ.

1                   MEMBER PAMPERIN:    Jim when -- you  
2                   know, when undiagnosed illness first came out,  
3                   people actually filed claims for undiagnosed  
4                   illness.  But do they file claims for undiagnosed  
5                   illness today, or they just say, you know, I have  
6                   chronic something?

7                   MR. SAMPSEL:  I think there's an  
8                   awareness, based on the VSOs and based on, you  
9                   know, general -- the VA's public website --

10                  MEMBER PAMPERIN:  But my question is  
11                  if they -- do we know that they in fact -- do we  
12                  know how many times this DBQ is actually used, as  
13                  opposed to the normal process of my back hurts,  
14                  my knee hurts, I can't hear, you know, where the  
15                  claims are symptom-based things, not disabilities  
16                  per se and as a result you get a general med and  
17                  a couple of other specialized things if you can't  
18                  hear?

19                  And so that my question is really what  
20                  would lead somebody, unless you put the magic  
21                  words in a claim to even go here?

22                  MR. SAMPSEL:  Well, I think the key to

1 that is service in Gulf War. We told people in  
2 the field if somebody served --

3 MEMBER PAMPERIN: So it's a standard  
4 procedure that if it's Southwest Asia, you must  
5 include the undiagnosed illness DBQ?

6 MR. SAMPSEL: Okay. If they have  
7 service in a Gulf War, in a Gulf War theater  
8 which excludes Afghanistan under 3.317, then we  
9 told the field they don't have to claim this is  
10 something from the Gulf war. They're going to --  
11 presumably the intake people will see that they  
12 served in the Gulf War, they have a claim.  
13 Whatever the claim is, they're going to get a  
14 Gulf War exam, according to our policy, unless  
15 we're talking about a musculoskeletal problem or  
16 an Agent Orange-related disease or a cancer.

17 MEMBER PAMPERIN: But I know you can  
18 get both from the contractors to give you exams  
19 and from VHA.

20 MR. SAMPSEL: Yeah, from the  
21 contractor.

22 MEMBER PAMPERIN: But the frequency

1 with which a specific DBQ is actually used, and  
2 do you know how often it's used?

3 MR. SAMPSEL: No, I don't know about  
4 that. I mean --

5 DR. VVENDENSKAYA: Maybe that would be  
6 a good question for Ms. Murphy, Beth Murphy who  
7 is our Compensation Service Director.

8 MR. SAMPSEL: Yeah. We have  
9 statistics, but I don't know. I don't know about  
10 those statistics. Sometimes we have to ask for  
11 that kind of thing before, you know. Maybe it's  
12 not readily available right now. But I know the  
13 grant rate's low because we track the grant rate.  
14 How many of them are DBQs, how many didn't get an  
15 exam I'm not sure.

16 MEMBER PAMPERIN: Well I mean quite  
17 frankly just from the contractor perspective, it  
18 should be fairly easy to get because they get  
19 paid by DBQ.

20 MR. SAMPSEL: Well, the contractor,  
21 there's a huge new input coming out on contract  
22 exams. I don't -- I'm not up on that, but

1 somebody else might want to address that.

2 DR. VVENDENSKAYA: Beth.

3 MR. SAMPSEL: There's a whole new --  
4 yeah. There's a whole new group --

5 DR. VVENDENSKAYA: And Pam Miller is  
6 presenting tomorrow.

7 MR. SAMPSEL: Okay, well that might be  
8 something for them because I don't know the  
9 contract medical people's training. I don't  
10 know. I don't know if they're getting specific  
11 Gulf War stuff because the average medical doctor  
12 doesn't have any clue about an undiagnosed  
13 illness.

14 MEMBER SIMBERKOFF: So the question I  
15 was going to ask, there was a meeting some place  
16 in New Mexico, Arizona or one of those places a  
17 year or so ago that a lot of C&P chiefs were sent  
18 to. Were any of these issues discussed at that  
19 meeting?

20 MR. SAMPSEL: I'm not sure. I wasn't  
21 there.

22 DR. VVENDENSKAYA: I wasn't there, but

1 it might be a great question for Pam Miller, who  
2 will be presenting on C&P exams.

3 MEMBER SIMBERKOFF: Okay. It was  
4 probably a year and a half ago, and it's sort of  
5 --

6 MR. SAMPSEL: Was it on the Gulf War  
7 specifically? I don't think it was.

8 MEMBER SIMBERKOFF: No, it was on C&P  
9 exams.

10 MR. SAMPSEL: C&P exams, yeah.

11 MEMBER SIMBERKOFF: Yeah, but if this  
12 is, you know, such an important issue on the  
13 currency of the exams, I would have thought that  
14 it was one of the issues --

15 MR. SAMPSEL: If you're a Gulf War  
16 veteran it's important, that's for sure.

17 MEMBER SIMBERKOFF: Yeah.

18 MR. SAMPSEL: I don't know. I don't  
19 know what percentage of claims coming in are Gulf  
20 War veterans. I'm not sure. There's a lot of  
21 Vietnam veterans, a lot of Agent Orange. There  
22 aren't as many Gulf War claims, because there



1 weren't as many Gulf War veterans.

2 But it's definitely an issue and it's  
3 difficult for people in the field because it's  
4 very nebulous, you know.

5 MEMBER BIRD: May I inject here, the  
6 term "presumptive" should not be nebulous.

7 MR. SAMPSEL: Well, an undiagnosed  
8 illness --

9 MEMBER BIRD: It's got to be -- there  
10 has to be clarification on that term.

11 MR. SAMPSEL: Well that's true, but a  
12 presumptive has to be identified, okay. If it's  
13 an undiagnosed illness, it has to be identified.  
14 If it's a medically unexplained chronic multi-  
15 symptom illness, it has to be diagnosed. So that  
16 has to happen before there's going to be service  
17 connection.

18 That's different than the Agent Orange  
19 presumptives, I think. The Agent Orange  
20 presumptives are laid out clearly and they're  
21 diagnosable diseases, and the word "presumptive"  
22 shows up in 1116 for Agent Orange. But it

1 doesn't show up here in 1117, but they are  
2 presumptives.

3           And as I was saying earlier, we have  
4 told the field, we have told the developers who  
5 order the exams don't put a request in there for  
6 an opinion if we're talking about a presumptive.  
7 Don't put a request in there for an opinion as to  
8 whether that presumptive is related to Gulf War,  
9 because it automatically is.

10           We put out a training issue on that.  
11 I hope they're following that, because that was a  
12 big issue before. But I haven't heard much about  
13 it lately.

14           MEMBER BIRD: It was not much there.  
15 It's in the process.

16           MR. SAMPSEL: How long ago was that?

17           MEMBER BIRD: That was about a year ago  
18 or less.

19           MR. SAMPSEL: Well, I'll tell you. We  
20 can add something to our Compensation bulletin  
21 about that, the Compensation Service bulletin. I  
22 don't know if you're interested in a couple --

1 you want it on the DBQ?

2 MALE PARTICIPANT: Yeah. We need to  
3 look at it.

4 MR. SAMPSEL: Okay, and if anybody has  
5 any questions that I can answer later, that's  
6 okay. I thought you might be interested in some  
7 of the legal work, legal issues that are going on  
8 right now. By the way, there's recently Congress  
9 passed a public law on mandating essentially  
10 studies on toxic exposures.

11 It's a very broad, very broad  
12 terminology and I think it encompasses Agent  
13 Orange issues and Gulf War issues, and I know I'm  
14 sure you're in on that. I know Dr. Erickson's  
15 group is conducting certain studies, and I might  
16 add the latest, you referred to it but I don't  
17 think you mentioned the content.

18 The IOM just came out with -- the  
19 Academy of Medicine just came out with a report  
20 very recently, like this week. They were asked  
21 to evaluate the burn pit registry. The burn pit  
22 issue is a big issue for basically the post-9/11

1 group, including Afghanistan veterans.

2 A lot of it -- as was mentioned, a lot  
3 of the disabilities are the same, even though the  
4 environmental exposures weren't the same. So I  
5 don't know where that leads, but the issue in  
6 this study was can a self-reported burn pit  
7 registry contribute to any kind of science on  
8 long-term health effects.

9 My understanding is the IOM said no,  
10 this is not -- this is not something that you can  
11 use for -- to determine any long term health  
12 effects because they're self-reporting and  
13 anyway, that was their conclusion. So I don't  
14 know where they're going to go. I know there's  
15 new studies being generated all the time, but I'm  
16 a little -- in my own mind I'm a little  
17 frustrated because that doesn't really translate  
18 into currently assisting DBA adjudicators.

19 Down the road, things may change. But  
20 we are stuck with the law as stated and the  
21 current examination process, and whatever the VHA  
22 examiners come up with. So I kind of mentioned a

1 couple to me interesting court cases that are  
2 coming up with general counsel. The lawyers for  
3 veterans, needless to say, are trying to get more  
4 service connection for particular veterans.

5 So there's two court cases pending  
6 right now. One of them has to do with the  
7 definition of medically unexplained chronic  
8 multi-symptom illness as having no identifiable  
9 etiology or pathophysiology. So the issue is  
10 whether one, just one of those is sufficient or  
11 both of them have to be sufficient to exclude a  
12 veteran from service connection.

13 The advocates, Chisholm Law Group  
14 basically, is saying that you only need one of  
15 those. But the VA position right now from  
16 general counsel, and I think our VBA position is  
17 that you need both of those in order to qualify  
18 for a diagnosable medically unexplained chronic  
19 multi-symptom illness and get service connected  
20 for it.

21 Basically, the rationale is that the  
22 partially understood is excluded. So if

1 partially understood is excluded, then it appears  
2 to us that both of those are needed for service  
3 connection. Anyway, that's pending in court  
4 right now.

5 Another issue that came up was related  
6 to this. Once again, it's a medically  
7 unexplained chronic multi-symptom illness issue.

8 MEMBER SIMBERKOFF: So the issue in  
9 the latter is what constitutes an unassigned  
10 pathophysiology?

11 MR. SAMPSEL: Yes.

12 MEMBER SIMBERKOFF: So if you again  
13 take the example of fibromyalgia, you know --

14 MR. SAMPSEL: Well fibromyalgia is a  
15 presumptive.

16 MEMBER SIMBERKOFF: Yes.

17 MR. SAMPSEL: So that's already in  
18 there.

19 MEMBER SIMBERKOFF: Yeah, but doesn't  
20 that -- does that require pathophysiology or not?

21 MR. SAMPSEL: Those are -- there's  
22 three identified medically unexplained chronic

1 multi-symptom illnesses that are presumptive, and  
2 the door's open for some other that a VA medical  
3 examiner might come up with. But if it's  
4 partially understood, not one of those three and  
5 the examples of partially understood are diabetes  
6 and multiple sclerosis, if it's like that --

7 MEMBER SIMBERKOFF: Those are pretty  
8 broad, are they not?

9 MR. SAMPSEL: Yeah. Well, and so  
10 here's the secondary issue, based on this  
11 etiology issue. We have a court case pending  
12 where it's front of the Court of Appeals for  
13 Veterans Claims, where the veteran had asthma and  
14 the veteran had -- which served in the Gulf War,  
15 and he's diagnosed with asthma, so it's  
16 diagnosed.

17 However, the issue is according to the  
18 veteran's lawyer, his particular asthma has an  
19 unknown etiology. Asthma -- and so what this  
20 boils down to is does this regulation and this  
21 statute, is this talking about an etiology  
22 recognized by the medical community and put into

1 medical dictionaries, or is it specifically  
2 applied to each claimant?

3           So the claimant here is arguing that  
4 his asthma, you can't tell where his asthma came  
5 from, even though asthma has a known etiology in  
6 all medical treatises, dictionaries and he got  
7 the diagnosis. So we're arguing, I mean VA OGC,  
8 general counsel is, that the specific origin or  
9 etiology of a particular disease or whatever, if  
10 it's diagnosed, not one of the presumptives, if  
11 it's diagnosed and there's known etiology in  
12 general, then it doesn't matter whether you know  
13 about this particular veteran's origin of his  
14 asthma.

15           MEMBER SIMBERKOFF: So like in this  
16 case, he's arguing that the asthma was not  
17 diagnosed while he was in the military?

18           MR. SAMPSEL: Well that doesn't matter  
19 because we're talking --

20           MEMBER SIMBERKOFF: But if it was,  
21 what difference does it make?

22           MR. SAMPSEL: Well, if it was



1 diagnosed in the military, automatically it's  
2 service connected.

3 MEMBER SIMBERKOFF: The service  
4 connected --

5 MR. SAMPSEL: Yeah. We're talking  
6 about claims long after separation from service.  
7 That's common. That's the most common claim. I  
8 mean the way things are now, the VA sends people  
9 to every military base and helps them fill out  
10 their claims. So it's going to be a rare day  
11 when somebody develops something in service and  
12 they don't get automatically service-connected.

13 It's the claims now, coming in now  
14 from, you know, veterans who served in the  
15 original Persian Gulf War and in the post-2001  
16 OIF/OEF, those claims continue to come in now.  
17 They're the claims that we're talking about that  
18 raise these issues. Anything that happened right  
19 after service, it's already been service  
20 connected.

21 So anyway, this is really interesting  
22 as to whether -- and by the way, this veteran,

1 he's a long time smoker and there were several  
2 other factors that pretty well contributed to his  
3 asthma. But he's claiming you can't pinpoint my  
4 asthma, the specific etiology of my asthma.  
5 Anyway, that's pending and we'll see what the  
6 Court does about it.

7 I mean if the Court goes with him,  
8 we're going to have a whole new agenda to address  
9 and the Gulf War issues are in flux, you know.  
10 They're in flux based on what the Court does,  
11 what the medical evidence, scientific research  
12 comes up with and how that effects the claims  
13 process. So anyway, any questions?

14 MR. ORTO: So you said the 20 percent  
15 grant rate was for 317 and 3.03, is that correct,  
16 the 20 percent grant rate is for -- was for both  
17 of those, for 317 and 313, I mean 303?

18 MR. SAMPSEL: No, I think it's 3.317.

19 MR. ORTO: Okay.

20 MR. SAMPSEL: Don't quote me on that  
21 grant rate. It fluctuates and all I really know  
22 right now is that it's a very low grant rate, and

1 the DSOs and the anecdotes point to that all the  
2 time. So Jerry, do you have a question?

3 MR. MANAR: I did, and it's along  
4 these lines. If you know it's been a truly low  
5 grant rate and if I heard you correctly, you said  
6 it's the result of the examination process, has  
7 Comp Service or DHA done any kind of an  
8 investigation to see if it's uniform, nearly  
9 uniform across the country or whether there's  
10 high and low outliers which might indicate a  
11 training problem at certain hospitals or a  
12 cultural problem at a certain hospital?

13 MR. SAMPSEL: Well, I don't think  
14 we've gotten to that point, but that's -- that's  
15 come up under other issues. That was an issue  
16 with MST, it's been an issue with PTSD. I'm not  
17 aware that that's been done yet. That might be  
18 something coming in the future. But I know that  
19 that -- there's a STARRS staff, a quality review  
20 staff based in Nashville. They do these kind of  
21 reviews. So they did a review. I think they  
22 recently did a review on the Gulf War and they --

1 but the review was really to see whether the  
2 examiners were, you know, consistent.

3           Anyway, they thought if there was fair  
4 consistency. But I don't have the details on  
5 that right now.

6           CHAIRMAN MARTIN: Jim, I know you're  
7 going to be back with us to talk about Agent  
8 Orange after lunch. Any other questions on Gulf  
9 War illness for him before we move on? Hal, any  
10 questions at this point about Gulf War illness  
11 that we haven't addressed?

12           MEMBER BIRD: No. I just want to  
13 thank you, Jim.

14           CHAIRMAN MARTIN: Okay, and Elder, are  
15 you back online?

16           (No response.)

17           CHAIRMAN MARTIN: Okay. Dr.  
18 Kalasinsky, you need any other remarks and  
19 comments?

20           MALE PARTICIPANT: Any questions for  
21 Jim?

22           (Laughter.)

1 MR. SAMPSEL: Yeah, I wish he had  
2 some.

3 DR. VVENDENSKAYA: Any questions, Dr.  
4 Kalasinsky?

5 DR. KALASINSKY: Well, the only thing  
6 I would add is that I'm going to bring up some of  
7 these questions about the exams C&P with our  
8 leadership, get back together and see what we can  
9 do about it.

10 MR. SAMPSEL: Yeah that --

11 DR. VVENDENSKAYA: That would be  
12 great.

13 MR. SAMPSEL: More communication is  
14 always better.

15 CHAIRMAN MARTIN: I noticed that the  
16 DBQ, the top says "For Internal VA Use Only." So  
17 private practitioners shouldn't be filling out  
18 the DBQs.

19 MR. SAMPSEL: No, they don't get this  
20 DBQ because who -- what private practitioner even  
21 thinks about an undiagnosed illness, you know?  
22 That's -- that's not medical training.

1                   CHAIRMAN MARTIN: Asked to provide a  
2 diagnosis for an undiagnosable condition.

3                   MR. SAMPSEL: That's right and that --  
4 in my original training letter, I made a point of  
5 telling or making a point to adjudicators, you  
6 know, if you rely on a diagnosis from a private  
7 medical person of the claim, the original claim,  
8 you shouldn't do that because there will be a  
9 diagnosis. You can have a respiratory problem  
10 and it may turn out to be --

11                  MEMBER SIMBERKOFF: And it may be  
12 right or wrong. There's going to be a diagnosis.

13                  MR. SAMPSEL: Yeah. There's going to  
14 be a diagnosis, and so the --

15                  MEMBER SIMBERKOFF: Even in the VA,  
16 because otherwise you don't get workload rights.

17                  MR. SAMPSEL: Oh, okay. I don't know  
18 about that. It's a strange area, and it's all  
19 based on symptoms reported by Gulf War veterans,  
20 you know. Anyway, we've got to do what we can  
21 with what we have.

22                  CHAIRMAN MARTIN: Okay, thank you very

1 much. We'll see you after lunch.

2 DR. VVENDENSKAYA: Thank you very  
3 much.

4 MR. SAMPSEL: I will be back later.

5 (Applause.)

6 CHAIRMAN MARTIN: Okay. We will  
7 reconvene at one o'clock, have some lunch and  
8 come back. It's a rather short lunch period, but  
9 we've got a lot of material to cover this  
10 afternoon and the Undersecretary will be here.

11 MR. SAMPSEL: One o'clock.

12 DR. VVENDENSKAYA: One o'clock.

13 (Whereupon, the above-entitled matter  
14 went off the record at 11:49 a.m. and resumed at  
15 12:59 p.m.)

16 CHAIRMAN MARTIN: I had mentioned the  
17 Medal of Honor Recipient Reception, that I had  
18 the opportunity to go to, and the only survivor  
19 of Iwo Jima, the only surviving Medal of Honor  
20 winner from Iwo Jima is Woody Williams. And I  
21 ran across this video that he did, actually did  
22 it for the VA. The VA video, and recorded this

1 back in the fall of last year.

2 He's 93, and I just wanted you to take  
3 a look at this video. We have sound now. Ready?

4 (Video plays.)

5 CHAIRMAN MARTIN: Well, I appreciate  
6 your time looking at that. I tried to provide a  
7 really good re-focus on our privilege to work for  
8 the veterans who are, many of them, on disability  
9 compensation. So I'm glad we had the chance to  
10 look at that. Jim, I'm sorry to take time away  
11 from your presentation.

12 MR. SAMPSEL: No, that's okay.

13 CHAIRMAN MARTIN: Thank you for being  
14 back with us.

15 MR. SAMPSEL: Yes. I just want to  
16 say, that is inspirational, and you know, from my  
17 point of view, I will do anything to help  
18 veterans, any legitimate veteran, and I've done  
19 it plenty of times. Unfortunately, when it comes  
20 to this Agent Orange, we have to have a lot of  
21 denials. And, you know, what can I say?

22 So, I just want to say that before we



1 get started. Well, Agent Orange is a big issue  
2 that's related to the war in Vietnam. Couple of  
3 us are Vietnam veterans. Tom, for example, me.  
4 So, I somehow got trapped into taking care of  
5 Vietnam veterans' issues, which included PTSD and  
6 Agent Orange issues.

7 So, at any rate, Agent Orange was an  
8 herbicide used in Vietnam, primarily by aircraft,  
9 C-123 aircraft during Operation Ranch Hand, from,  
10 I think they got started in '62, at the request of  
11 the Vietnam Government, South Vietnam, Republic  
12 of Vietnam, prior to the Marines landing in '65.  
13 So there was a lot of activity before that.

14 And the purpose was to destroy enemy  
15 food crops, originally. And also to -- a lot of  
16 activity on the Ho Chi Minh Trail, where the  
17 North Vietnamese were running supplies and  
18 personnel down along the western border of  
19 Vietnam, Cambodia and Laos.

20 And that area was a heavy jungle, and  
21 they were protected by the canopy, and they were  
22 supplying the Viet Cong in the South. So that

1 was the primary mission of Operation Ranch Hand,  
2 to eliminate some of that vegetation, and reveal  
3 those enemy positions.

4 So, at any rate, that's the  
5 background. The science of Agent Orange -- you  
6 got my pen up there?

7 PARTICIPANT: Mm-hmm.

8 MR. SAMPSEL: The science is, Agent  
9 Orange is one of what they called a rainbow,  
10 group of rainbow herbicides, that was the term  
11 used early on. There was, originally there was  
12 Agent Purple, then there was Agent White, Green,  
13 and Blue. But Agent Orange was the most commonly  
14 used from, like, '65 onward.

15 It consisted of 2,4,5-T, 50 percent  
16 2,4,5-T, and 50 percent 2,4-D. And the 2,4,5-T  
17 had a bi-product, TCDD/dioxin. I think it's  
18 important to realize that the amount -- and, by  
19 the way, 2,4-D, which I'll talk about a little  
20 bit later, is a commercial herbicide on its own,  
21 still in use, still approved by the EPA.

22 I think it's important to realize that

1 the amount of dioxin in any given volume of Agent  
2 Orange was only five to 13 parts per million.  
3 There's a lot of talk about how many gallons of  
4 Agent Orange were sprayed, and how deadly it was  
5 and so on, but very, very small amounts of actual  
6 TCDD was involved.

7           Additionally, TCDD had a very short  
8 life span in sunlight. It was destroyed by  
9 sunlight, destroyed by an open air environment.  
10 That's not commonly acknowledged by advocates.  
11 And the other issue is that the dioxin in TCDD is  
12 present in our environment, it's ambient in the  
13 environment. There's a question?

14           MR. MURRAY: What's a very short life  
15 cycle?

16           MR. SAMPSEL: Pardon me?

17           MR. MURRAY: What's a very short life  
18 cycle?

19           MR. SAMPSEL: According to various  
20 studies --

21           MR. MURRAY: You mean, like, an hour  
22 or 24 hours, or --

1           MR. SAMPSEL: Yes. Several hours. In  
2 sunlight, several hours only. One of the issues  
3 in the Blue Water Navy arena is that, if the  
4 Agent Orange gets into the water and isn't  
5 destroyed immediately by sunlight, it will bind  
6 to organic matter. Agent Orange is not water-  
7 soluble. It's mixed with jet fuel, primarily,  
8 when they spray it, when they aerially sprayed  
9 it.

10           So there's a very small amount, and  
11 it's destroyed in sunlight. You know, there are  
12 couple other issues that I'll talk about when we  
13 get to, maybe, the C-123 regulation that we  
14 recently passed. But, at any rate, so there's  
15 ambient dioxin, everyone has it in their  
16 bloodstream -- their tissue, their blood,  
17 according to all medical people.

18           It's produced by burning plastic, it's  
19 produced by diesel fuel, it's produced by  
20 electrical transformers. And the people in VHA  
21 have said regularly that there's quite a bit in  
22 the environment.

1           So I don't think that's acknowledged  
2           by the public, by the media, and so on. Anyway,  
3           it's worth noting. Then, in terms of the long-  
4           term health effects. I'll talk about the  
5           Institute of Medicine, which was there and  
6           published, was created by public law on Agent  
7           Orange, the Agent Orange Act.

8           But the only long-term health study,  
9           long-term health effect was done by the U.S. Air  
10          Force, it was a 30-year study. And it was done  
11          on Ranch Hand pilots and Ranch Hand crew members  
12          that handled Agent Orange. And, after a 30-year  
13          study, there's no evidence that they have a  
14          higher rate of cancers or any of the diseases  
15          that have been associated with Agent Orange.

16          So those are basically the background  
17          facts. But when it comes to Agent Orange, the  
18          facts don't always matter. So we have to deal  
19          with the law as written, and so that's what I'm  
20          going to talk about here.

21          The law is based on 38 United States  
22          Code 1116, which does several things. It

1 provides a presumption of Agent Orange exposure  
2 for anyone with "service in Vietnam." Service in  
3 Vietnam. The regulation that addresses that  
4 talks about duty or visitation in Vietnam. And  
5 the regulation is 3.309, 3.307.

6 Code 1116 gave that presumption, but  
7 also created diseases that can be service-  
8 connected presumptively. There are different  
9 ways to service-connect a disability, and when we  
10 refer to them this morning, we refer to  
11 presumptives versus the general 3.303 regulation,  
12 where you have to have a current disability, a  
13 current chronic disability. You have to have an  
14 event disease or injury in service, and you have  
15 to have a medical link.

16 When it comes to presumptives, you  
17 don't need that medical link. The event and  
18 service, in this case, service in Vietnam, is  
19 sufficient for the presumption of service  
20 connection.

21 The other thing that, the third thing  
22 that the 1116 did, it brought the Institute of

1 Medicine, now the Academy of Medicine, into the  
2 picture, and they've done studies. Every two  
3 years, they conduct a study on diseases  
4 potentially associated with Agent Orange  
5 exposure.

6 And their criteria is association, not  
7 causation. They have a -- they developed a sort  
8 of hierarchy of associations. The highest level  
9 is called "an association." And there's only,  
10 like, chloracne is, like, the only one.

11 The next level is "limited or  
12 suggested evidence of an association," and that's  
13 the criteria for almost of the diseases,  
14 including the big ones, ischemic heart disease,  
15 diabetes, prostate cancer, lung cancer, and so  
16 on.

17 And then they have another category,  
18 "insufficient evidence to make a determination of  
19 association," and that's the one they apply to  
20 most of the ones that are not on the list.

21 And then finally, they have "evidence  
22 of no association," and I think the only one in

1 that is some sort of birth problem. But anyway,  
2 there's -- they really haven't been inclined to  
3 use that.

4 So their reports were essentially  
5 mandated by 1116. But as of this past year,  
6 2015, that section of the statute has sunset, has  
7 expired, and Congress did not renew that. So  
8 there's one more that's currently in the process,  
9 one more Agent Orange report, and that will be  
10 it.

11 And for what it's worth, several years  
12 ago, there was another task given to the  
13 Institute of Medicine, to determine -- to  
14 basically analyze the process, the presumptive  
15 disease process, and offer some kind of  
16 recommendations for how to deal with  
17 presumptives.

18 And that report recommended a two-  
19 stage committee. But the big punch line was,  
20 they recommended a causation, a scientific  
21 causation, not an association. And there's a big  
22 difference there.



1 I don't think any of these diseases  
2 would fall under causation, but they do fall  
3 under association, limited or suggested evidence.

4 So where are we now? The latest IOM  
5 report listed bladder cancer, hypothyroidism and  
6 Parkinson's-like symptoms to be limited or  
7 suggested evidence of an association. And right  
8 now, it's pending for the new Secretary, on  
9 whether those will go forward as part of our  
10 regulation.

11 The other one is hypertension, which  
12 was put forth several years back, but VA never  
13 acted on it. General Peake was the Secretary at  
14 that time. He's a medical doctor, and I believe  
15 he felt that, and according to the work group,  
16 there were too many risk factors related to  
17 hypertension to say that Agent Orange was  
18 associated, or was somehow a cause of that.

19 So hypertension came up again this  
20 cycle, and the Veterans Health Administration  
21 recommended that the Secretary make that one of  
22 the associated diseases. However, just about a

1 week ago, Brad Flohr, who works for Comp Service,  
2 wrote up a report and everybody in Comp Service  
3 basically said, that was a bad idea.

4 And I believe the Secretary, the  
5 information I got recently, is not going to go  
6 with hypertension. As to the other ones, there's  
7 the likelihood that they'll become added to the  
8 list.

9 For what it's worth, when a disease is  
10 added, the Nehmer court case kicks in, and VA has  
11 to go back, all the way back, review records all  
12 the way back to 1985, to discover anybody who  
13 made a claim for the newly added disease. And  
14 that's a huge enterprise.

15 When ischemic heart disease came in,  
16 and B cell leukemia, that was a huge effort, and  
17 it set the claims process back. The backlog was  
18 -- a huge backlog was created. So anyway, if  
19 hypertension would come in, almost everybody has  
20 hypertension later in life.

21 So that would be trouble, process-  
22 wise, for VA. But I don't think hypertension is

1 going to be included.

2 MEMBER SIMBERKOFF: So when you say,  
3 Parkinson's-like symptoms --

4 MR. SAMPSEL: I don't, I can't define  
5 that for you.

6 MEMBER SIMBERKOFF: Yes. I was going  
7 to say, Parkinson's, you can -- is relatively,  
8 you know, that's a --

9 MR. SAMPSEL: Parkinson's Disease is  
10 already on the list.

11 MEMBER SIMBERKOFF: Okay. But what is  
12 "Parkinson's-like"?

13 MR. SAMPSEL: I don't know. That --  
14 you'd have to look at the IOM report. I think --  
15 I believe the source of that was a lot of  
16 veterans had symptoms, but not a complete  
17 diagnosis of Parkinson's.

18 MEMBER SIMBERKOFF: And an awful lot  
19 of people --

20 (Simultaneous speaking)

21 MR. SAMPSEL: Well, if you have  
22 Parkinson's Disease and you're a Vietnam veteran,

1 you automatically get service-connected. Now, it  
2 looks like if you have Parkinson's-like symptoms,  
3 whatever exactly that is, you know, you can look  
4 at the report to determine what that is.

5 But that looks likely that that will  
6 be service-connectable too.

7 MEMBER SIMBERKOFF: And does -- when  
8 you say you have to go back through the records,  
9 many of these patients may have already died.

10 MEMBER PAMPERIN: So their survivors  
11 may have a --

12 MEMBER SIMBERKOFF: Yes, so their  
13 survivors are --

14 MR. SAMPSEL: Their survivors -- I  
15 mean, it's a complicated process. Tom knows a  
16 lot about it. I think he dealt with the court  
17 out there, the Ninth Circuit.

18 MEMBER PAMPERIN: The judge even  
19 threatened to put me in jail.

20 (Laughter.)

21 MR. SAMPSEL: Yes. Now it's history,  
22 there. But, at any rate, those who have died,

1 their surviving spouses or their surviving  
2 dependents will get the benefit. And not only  
3 that, but there's some kind of progression of  
4 descendants are involved.

5 So, and this is NVLSP's work. This  
6 the National Veterans Legal Service Program that  
7 pretty much has a lot to do with this. But  
8 that's another issue, that's a service-  
9 connectable issue. And, you know, it is what it  
10 is, so.

11 Where did all the Agent Orange  
12 hysteria, what I would call hysteria, in the  
13 media, come from? There's no doubt that Vietnam  
14 veterans may have been exposed, because they were  
15 spraying.

16 Now I will say that based on my  
17 research and based on information from DR. Alvin  
18 Young, who I think I'll mention a little bit  
19 later, DR. Young is a retired Air Force colonel.  
20 He was involved with development of the Agent  
21 Orange and spray nozzles during the '60s and  
22 '70s.

1           He then worked for the VA and for the  
2 Department of Defense in D.C. in the '80s. When  
3 he retired -- he has a PhD in toxicology -- he  
4 has a business, a scientific business. He  
5 publishes in journals and several years ago, we  
6 had a contract with DR. Young, and he did some  
7 reports for us on Agent Orange.

8           And, at any rate, I'll discuss that a  
9 little bit more when we get to the C-123s. But  
10 it's pretty clear that, in Vietnam itself, there  
11 probably wasn't very much exposure to the spray,  
12 because the Ranch Hand planes did not spray when  
13 there were American troops in the area.

14           And it wasn't because anybody thought  
15 it was harmful. It was because where there were  
16 U.S. troops, there were enemy troops, and they  
17 shot down planes. Probably, according to what  
18 I've read, the highest shot-down plane rate was  
19 among Ranch Hand planes in Vietnam.

20           So anyway, there's not much evidence  
21 for bona fide exposure, but there's a law that  
22 presumes exposure. So that's what we deal with.

1 And I don't know. The media -- when we get to  
2 outside of Vietnam, there's a lot of controversy  
3 about Agent Orange use. And primarily it's media  
4 hype, in my opinion.

5 And Congressional action, based on  
6 veterans who feel like they were exposed to Agent  
7 Orange. I'm sure a lot of veterans saw  
8 herbicides being used, because herbicides were  
9 used.

10 The question is, is it a "tactical  
11 herbicide," like Agent Orange, or was it a  
12 commercial herbicide like was used on every  
13 military base? And used on many lawns in the  
14 United States?

15 So, at any rate, that's the background  
16 on Agent Orange. But, I want to explain how we  
17 service-connect, how do we service-connect  
18 veterans, based on Agent Orange exposure? And  
19 I'll start off with the Vietnam veteran, because  
20 that was the original focus.

21 A Vietnam veteran is a person who  
22 served in Vietnam or went TDY. All they had to

1 do was be there for a very short time and they'll  
2 get the presumption. So we look for their DD-  
3 214, does it say, "Vietnam service"? And we look  
4 to see whether they got a Vietnam service medal.

5 If there's no record -- a lot of  
6 veterans say they went TDY to Vietnam, from  
7 Thailand or from Guam, or wherever, and I'm sure  
8 that happened. I know that happened regularly  
9 during the first part of the war.

10 Especially before the Marines landed  
11 in '65. So we'll try to find those records in  
12 their personnel file. We look for things like  
13 the Army post office APO boxes, there will be a  
14 stamp and a record. And we have a record of  
15 where all the numbers and which ones were  
16 Vietnam, which ones were Thailand, which ones  
17 were Guam, and so on.

18 So we look for anything like that to  
19 service-connect and give the presumption to any  
20 Vietnam veteran. However, one class of Vietnam  
21 veterans are the Blue Water Navy veterans. And  
22 that's a special class, and there's a lot of



1 activity going on with Congress and with  
2 advocates right now about the Blue Water Navy.

3 Blue Water Navy, in a nutshell, during  
4 the Vietnam war there was a large number of what  
5 are called Brown Water Navy vessels. And I think  
6 Jerry Manar was involved in it, personally.

7 So they operated on the inland  
8 waterways of Vietnam, inside the boundaries. So  
9 they were potentially exposed to this strain of  
10 Agent Orange. So they get the presumption, Brown  
11 Water, because the waters inside Vietnam were all  
12 brown. There wasn't any mountain springs. Dark  
13 brown rivers.

14 Now, that's distinguished from the  
15 Blue Water Navy, which are vessels that operated  
16 on the open ocean, primarily destroyers,  
17 cruisers, aircraft carriers. Those vessels that  
18 normally would not be inside the boundaries of  
19 Vietnam.

20 However, quite a few destroyers and  
21 supply ships went into the inland rivers and  
22 inland waterways, the destroyers to provide

1       gunfire support for ground troops, and the supply  
2       ships to deliver supplies to the inland bases.

3                       They went into the interior, and we  
4       make a distinction between offshore waters and  
5       waters that are inside the coastal boundaries of  
6       Vietnam.

7                       And the open water harbors, which  
8       would include Da Nang, Qui Nhon, Nha Trang, Cam  
9       Ranh Bay, and Vung Tau, those are the primary  
10      ones, going down from north to south. We do not  
11      consider them inland waterways, because they are  
12      directly open to the ocean.

13                      So the Blue Water Navy veterans feel  
14      like they should be getting the presumption of  
15      Agent Orange exposure, just like the troops that  
16      served inside Vietnam. But, and there's at least  
17      three legal cases pending right now.

18                      I don't know if I need to go into  
19      those. But, at any rate, we get -- through the  
20      years I developed a ship's list, a list of ships.  
21      It goes back a long way to the USS Ingersoll, the  
22      first ship, we got a letter from the Executive

1 Officer right after the Haas case. There's a lot  
2 here.

3 But originally, NVLSP again, the same  
4 group that dealt with Nehmer, a legal group, they  
5 filed a case with the Court of Appeals for  
6 Veterans Claims, for a veteran by the name of  
7 Haas. In that case, the veteran was on an  
8 ammunition ship, he was off the coast, and he  
9 claimed exposure.

10 It got to the court, the Court of  
11 Appeals for Veterans Claims. I went to the  
12 hearing, actually. The presentation by the NVLSP  
13 was good, the presentation by the VA wasn't so  
14 good. And the Court ruled in favor of NVLSP and  
15 the veteran, and said anybody within, like, a 30-  
16 mile radius offshore should get the presumption  
17 of exposure.

18 So VA appealed that to the federal  
19 circuit, and the federal circuit nullified that  
20 decision, and said the VA had, under the Chevron  
21 case, which has to do with regulatory agencies  
22 can interpret statutes, as long as they're not

1 irrational, the interpretation is valid.

2           And they determined that VA's  
3 interpretation of inland waterway versus offshore  
4 waterways was valid. So currently, offshore  
5 doesn't count. But there's quite a few ships  
6 that went inside the inland waterways, and we  
7 have a ships list. There's over 300 ships and  
8 categories on that list by now, and anybody who  
9 was on one of those ships when that ship went  
10 inside the boundaries of Vietnam, the land  
11 boundaries, they get the presumption of exposure.

12           In a nutshell, that's the situation.  
13 And there are numerous cases pending, like I say,  
14 to have all Blue Water Navy get the presumption,  
15 because they were Vietnam veterans, and they did  
16 a job. They did a good job.

17           But as to whether they get the  
18 exposure or not, that's the issue.

19           So that's, that's the Vietnam. Any  
20 questions about that? Okay. Another big area of  
21 concern is the Korean DMZ. We have the documents  
22 that show that during the, during 1968, '67 or

1 '68, there was major concerns in Korea. The DMZ  
2 was a hot point.

3 There was a, slips my mind, but there  
4 was a ship, North Koreans kidnaped a crew of a  
5 ship. Anybody remember that?

6 Pueblo. USS Pueblo. The crew was  
7 kidnaped, the Department of Defense was on high  
8 alert, and they determined they wanted to try  
9 using Agent Orange along the DMZ to cut down on  
10 the potential for the North Koreans sneaking up  
11 and attacking.

12 So Agent Orange was applied. I think  
13 we have records that say, like, 200 yards, 300  
14 yards both ways along the DMZ by Korean troops.  
15 U.S. troops never did it, according to all the  
16 records.

17 So initially -- this is a little  
18 complicated, but we -- the whole approach of  
19 Agent Orange exposure for Korean veterans came  
20 from a statute for spina bifida. Spina bifida is  
21 a disease, a childhood disease, that that statute  
22 said was associated with Agent Orange exposure,

1 and it gave a date range.

2 And I know who is responsible for  
3 this, Mary Ellen McCarthy, if anybody knows who  
4 I'm talking about, besides Tom. She worked for  
5 the Senate Veterans Affairs Committee, and as a  
6 result of that, we had a statute that gave a  
7 benefit to the offspring of a veteran who was  
8 supposedly exposed to Agent Orange, but we didn't  
9 have anything for that veteran.

10 So we had a policy where we gave it  
11 under an acknowledgment of exposure, not a  
12 presumption. But about 2010, we passed a  
13 regulation, VA passed a regulation giving a  
14 presumption of exposure to certain -- to veterans  
15 who were in certain units on the Korean DMZ,  
16 primarily infantry and artillery units.

17 Any veteran who was in one of those  
18 units between April, 1968, through, I think,  
19 August 1971, gets the presumption. And we have a  
20 list that we got from DoD, and I did some  
21 research and added some units, so we had that  
22 list.

1           Now the latest development has to do  
2 with Senator Blumenthal and Congressman McCarthy,  
3 who sent letters to us, to the VA. They got hold  
4 of some documents that referred to testing that  
5 was done in 1967.

6           And I might say that the spina bifida  
7 statute uses a 1967 date. And I've had to answer  
8 many times from VSOs and so on, that '67, why  
9 don't you give the presumption from '67?

10           Well, that's because we don't have any  
11 evidence for any actual Agent Orange use during  
12 '67. But we do have a record of a test of 2,4-D  
13 and Linuron. See, those were commercial  
14 herbicides that were tested in '67.

15           So we spent quite a bit of time  
16 recently, we've had meetings, teleconferences,  
17 and so on, with Senate Veterans Affairs  
18 Committee, trying to explain this to them.

19           They wanted us to take the presumptive date  
20 back to '67, September, 1967. But I don't think  
21 we have the evidence for that. So that's the  
22 latest on the Korean DMZ.

1           Then we got a letter from Congressman  
2           Latta, from Ohio, who felt like we should extend  
3           a benefit to veterans who were on the DMZ in the  
4           1980s. And our response to that one was that, as  
5           I said earlier, TCDD does not stay in the  
6           environment. It's destroyed by sunlight in the  
7           open air, and there's no evidence that it's still  
8           in the environment.

9           So, many years later in the '80s,  
10          there's no real chance for exposure. So those  
11          are some of the issues for Korea.

12          MR. MANAR: Could I mention something  
13          here?

14          MR. SAMPSEL: Yes.

15          MR. MANAR: I'm aware of at least one  
16          Board of Veterans Appeals case, and I understand  
17          that it's not precedent, but a veteran was able  
18          to show that, because of the half-life of dioxin  
19          if it's buried in the soil, exposure could still  
20          occur if that soil is disturbed.

21          And he was in a construction unit on  
22          the DMZ. And they did grant service connection



1 for his presumptive disabilities at that point.

2 MR. SAMPSEL: Yes. I'm well aware of  
3 the BVA. BVA is, can do anything they want. I  
4 don't know if everybody understands BVA. BVA has  
5 caused a lot of, what I would call misinformation  
6 about Agent Orange issues, and this has to do  
7 with what Jerry just mentioned in Korea.

8 It also has to do with Guam and  
9 Okinawa, especially. Guam has come back, big  
10 time, in the past couple of months. But BVA is  
11 an independent group of veterans law judges, not  
12 associated with VHA, not really associated with  
13 DVA, except that they have an independent ability  
14 to look at an appeal and come up with any  
15 decision they want.

16 And their decisions don't have any  
17 precedential value for anybody, and they're very  
18 sympathetic. Numerous -- the appeal you're  
19 talking about, half-life in a soil -- I don't  
20 think there's much evidence for that. Although  
21 advocates would say, take a look at our C-123  
22 regulation. And that somehow shows persistence

1 of dioxin in the environment.

2 MR. MANAR: If it's not exposed to  
3 sunlight, if it's, for instance, on the C-130s,  
4 if it's buried under layers of paint. If it's  
5 worked into the soil before it's had a chance to  
6 degrade, there are studies, I've seen one or two  
7 and I'm sure you've seen many more. But I've  
8 seen a couple of studies that indicate that  
9 dioxin can exist in certain environments for a  
10 very long time, sometimes even years after it's  
11 been sprayed or otherwise applied to a certain  
12 area.

13 MEMBER PAMPERIN: Jim, to be fair, the  
14 BVA is the Secretary's final decision.

15 MR. SAMPSEL: Pardon?

16 MEMBER PAMPERIN: A decision by the  
17 Board of Veterans Appeals is the Secretary's  
18 final decision. I mean, we can't distance  
19 ourselves from the Board of Veterans Appeals. It  
20 is part of the VA.

21 MR. SAMPSEL: Well, it isn't a final  
22 decision if it's appealed to CAVC. But --

1                   MEMBER PAMPERIN:  It's the final  
2 decision of the Secretary.

3                   MR. SAMPSEL:  Oh, oh, it's the final  
4 decision.

5                   MEMBER PAMPERIN:  -- of the Secretary.

6                   MR. SAMPSEL:  In terms of finality,  
7 yes.  In terms of regulatory finality, yes,  
8 that's true.

9                   MEMBER PAMPERIN:  And, I don't know,  
10 Jim, but just to -- I'm looking at a website  
11 right now that indicates that dioxin in the  
12 subsurface soil is believed to last for a half-  
13 life of a hundred years.

14                   MR. SAMPSEL:  I've seen those studies.  
15 I don't think that most scientists would go along  
16 with that.  Even if that were true, that's only  
17 part one.  Part two is, will that -- first of  
18 all, did you get exposed to that?  Were you  
19 somehow exposed to something that's in the soil?

20                               And number two, did you develop long-  
21 term health effects from that?  Those were the  
22 big issues with the C-123s.  And, just by virtue

1 -- there's a lot of, in the late '80s when the  
2 base realignment thing occurred, EPA, when they  
3 turned over bases to civilians, there was a lot  
4 of these Superfund things.

5 And, invariably, there'll be some  
6 evidence for dioxin in some location. And  
7 whether it came from Agent Orange is  
8 questionable. But, as I said before, dioxin is  
9 in the environment, and almost every one of those  
10 Superfund site things, I've read, identify some  
11 dioxins and says there's no health hazard.

12 So, what can I tell you? I don't  
13 know. I'm not the scientist. But I know that  
14 DR. Alvin Young and the majority, the vast  
15 majority of scientists don't think that anybody  
16 gets any harmful effects from something that's in  
17 the soil, buried in the soil.

18 If it was on the surface, it would  
19 have been long gone. How -- you know, I'm just,  
20 for argumentation purposes, how is somebody going  
21 to get exposed to something underground? I don't  
22 know how.

1 PARTICIPANT: Dig a foxhole.

2 MR. SAMPSEL: What?

3 PARTICIPANT: Dig a foxhole.

4 MR. SAMPSEL: Oh, dig a foxhole.

5 Okay. Well then, okay. Then, you have the U.S.

6 Air Force study that shows the guys that really

7 were exposed with high levels of TCDD in their

8 body, did not develop long-term health effects.

9 Okay.

10 MEMBER BROWNE: I'm puzzled about the

11 spina bifida.

12 MR. SAMPSEL: Spina bifida.

13 MEMBER BROWNE: You said that the

14 birth defects and the exposure, mostly males that

15 were in, that you were talking about Korea and

16 the DMZ. So, if you're saying that that is a

17 presumptive point of exposure, explain the

18 science behind this --

19 MR. SAMPSEL: Explain the science?

20 MEMBER BROWNE: Yes. I'm --

21 MR. SAMPSEL: Well, let me tell you

22 this. This is interesting because, as I said,

1 spina bifida, the spina bifida statute is the  
2 origin of us providing a regulation, a  
3 presumptive regulation for the parent of the  
4 child.

5 Now, the latest, the latest IOM  
6 report, the same report that said bladder cancer,  
7 hypothyroidism, and Parkinson's-like symptoms are  
8 related to Agent Orange -- the same report said  
9 the spina bifida study was faulty.

10 The original spina bifida study was  
11 faulty, and they recommend removing spina bifida  
12 from any kind of association with Agent Orange.  
13 Now, VA's not going to do that, but that's what  
14 they recommended. So, I mean, we're talking  
15 about, I don't know, legal confusion, scientific  
16 confusion.

17 But spina bifida will stay, but -- the  
18 other thing, as sort of a, you know, I mean, I  
19 don't like to be in a position where I'm saying  
20 that some veteran doesn't deserve a benefit,  
21 based on Agent Orange exposure.

22 But I'm obligated to take a look at

1 the facts and the science, you know. And the  
2 issue is whether you want to follow that or some  
3 kind of compassionate approach, based on the  
4 service of the veteran. You know, I don't know  
5 where we go on that.

6 But, at any rate, there's, like I  
7 said, there's the issue of actual exposure,  
8 there's the issue of long-term health effects,  
9 there's not much evidence.

10 And so, spina bifida, what I did want  
11 to mention is, associated with the spina bifida  
12 regulation and statute, is that female Vietnam  
13 veterans, the offspring of female Vietnam  
14 veterans, if those offspring develop an entire  
15 list of birth defects, they can get a benefit for  
16 that.

17 We don't call it service connection,  
18 but it's a benefit. And yet that is not linked  
19 to Agent Orange by the statute, by the  
20 regulation. It's just Vietnam veterans, female  
21 Vietnam veteran. That was based on an early  
22 study by the VA, and there's been discussion on

1 that.

2           There have been a lot of men, males,  
3 who say, how come my children don't get this  
4 benefit? How come only female veterans, Vietnam  
5 veterans? Well, that's VHA, those are issues,  
6 those are issues for VHA.

7           And along these same lines, the latest  
8 from Vietnam Veterans of America and Congress is  
9 the issue of inter-generational effects of Agent  
10 Orange exposure. That's part of the new toxic  
11 law that I mentioned this morning.

12           I attended a town hall meeting of  
13 Vietnam Veterans of America out in Des Moines,  
14 about eight months or so ago. And it was an all-  
15 day session of Vietnam veterans from the area  
16 brought in their offspring, their children and  
17 grandchildren. And they gave testimonies about  
18 their own physical and mental problems.

19           It was a long day. And is this the  
20 evidence for long-term health effects inter-  
21 generational? I don't know. But I know Congress  
22 is interested in it now, and that's the latest



1 move.

2 So that's where we're headed. Anyway,  
3 I don't know. I have to follow, we have to  
4 follow the law as written, and try to balance  
5 that with the evidence that we have and the  
6 scientific evidence we have.

7 And, you know, right along those  
8 lines, probably the best example of that is what  
9 I'm going to talk about next here, the C-123  
10 issue.

11 I presume you're interested in these  
12 kind of things, because this is really what Agent  
13 Orange, the development of Agent Orange here,  
14 Agent Orange exposure claims -- for those who  
15 don't understand or don't know about this, maybe,  
16 I don't know, for the past several years, there's  
17 been an advocate by the name of Wes Carter.

18 He's a retired reservist Air Force Colonel.  
19 He was a pilot, a C-123 pilot. After the C-123  
20 Ranch Hand planes were retired from Vietnam, they  
21 came back to the U.S. and they sat in mothballs  
22 for a while.

1                   And then they were distributed to  
2                   reserve units in Pennsylvania, Massachusetts and  
3                   Ohio. And they were flown for several years.  
4                   And Wes Carter was an advocate for this group,  
5                   the C-123 group, and he claimed that they were  
6                   exposed to Agent Orange by virtue of dried,  
7                   solidified Agent Orange that was still active in  
8                   those planes.

9                   So VA's position, based on VHA, based  
10                  on every VHA medical doctor and scientist over  
11                  there at VHA, told DVA that, there's no way. The  
12                  Agent Orange has dried, solidified, the vapor  
13                  pressure, CIF 600 degrees Fahrenheit to release  
14                  it into the environment. There's no way they got  
15                  exposed.

16                  We had a contract with DR. Alvin  
17                  Young, who did, as I mentioned before, he did a  
18                  lot of research in the '60s and '70s. He worked  
19                  at Eglin Air Force Base, where they developed the  
20                  spray nozzles. They sprayed Agent Orange over a  
21                  two-square-mile area for years, and used the  
22                  technology in Vietnam. So he did all the work

1 for the Department of Defense.

2 Let me say that -- back up slightly.  
3 In Comp Service, Compensation Service, we get a  
4 lot of claims for Agent Orange exposure outside  
5 of Vietnam and outside of the Korean DMZ. And  
6 they all come in from the regional offices to the  
7 central office, and I monitor that mailbox.

8 It's called the Agent Orange mailbox.  
9 Everyone that makes a claim, the policy is that  
10 the regional office has to send it in and I take  
11 a look at the claim. And then I take a look at  
12 the Department of Defense documents that we have  
13 on Agent Orange use, testing, storage, and so on  
14 and so on.

15 And I will send back to them and say  
16 there's no evidence for this, or maybe there is  
17 evidence. And what I use to determine that is  
18 Department of Defense documents. And who  
19 produced those Department of Defense documents  
20 was DR. Alvin Young.

21 So he's got a long history of working  
22 with the Department of Defense, and he also

1 worked for us. He was involved in the C-123  
2 issue. He represented VHA's point of view that  
3 there was no real evidence for, number one, for  
4 exposure, because we were talking about dried,  
5 solidified TCDD.

6 And by the way, the whole thing is  
7 based on one airplane, that's at Wright-Patterson  
8 Air Force Museum. One C-123, by the name of  
9 "Patches," called "Patches," because it was shot  
10 up so much, and was the oldest of the C-123s that  
11 were used in Vietnam.

12 Anyway, it's there, and years and  
13 years ago there was some controversy about, when  
14 they brought it into the museum was, were the  
15 workers there going to get exposed? They did  
16 some studies. They took a strong solvent and,  
17 like, sandpaper, and scraped off some little  
18 sections and various parts of the plane, and they  
19 were able to find some TCDD.

20 It took a solvent and a strong  
21 abrasive to find a sample. But that's the only  
22 evidence. So the argument from VHA and the

1 argument from Alvin Young was, this dried,  
2 solidified TCDD did not emanate into the air.

3 And your -- they called it bio-  
4 availability -- there was no bio-availability,  
5 because it can't get through the skin. There  
6 wasn't anything to inhale, and so on.

7 Anyway, that was the argument that was  
8 presented to the Institute of Medicine. VHA  
9 commissioned the Institute of Medicine to look  
10 into it. I went to the hearings. One scientist  
11 from Harvard or somewhere said that dried,  
12 solidified TCDD never stops emanating molecules  
13 into the air.

14 Hardly anybody bought that at the  
15 time, but the IOM went with it. And they  
16 determined that there was a possibility of Agent  
17 Orange exposure based on service in those  
18 airplanes. That led to a regulation by VA giving  
19 a presumption of exposure to reservists who flew  
20 in those planes or mechanics who worked on them.

21 Not only that, reservists do not  
22 qualify under VA law for Agent Orange long-term

1 benefits. That's a statutory thing. If you're a  
2 reservist, any disability you get has to occur,  
3 be directly related to your period of active or  
4 inactive duty or training, because that's what  
5 their service is called.

6 Under VA law, that doesn't count for  
7 some disability that occurs 20 years later, 30  
8 years later.

9 So the regulation not only gave the  
10 presumption, but it also gave, essentially, a  
11 waiver to reservists. By virtue of that, I think  
12 a lot of this thing that Jerry raised, the Agent  
13 Orange being in the soil, being attached to metal  
14 and so on and so on, I think that revived a lot  
15 of that kind of thinking and advocacy thinking.

16 I don't think the science supports it.  
17 Most scientists don't think the science supports  
18 it, but the law is what it is. So, any questions  
19 about that?

20 Okay. Now, another big problem we  
21 have, probably the biggest problem we have right  
22 now, is Thailand. The Thailand issue -- there's

1 a lot veterans that served in Thailand.

2 Thailand was a major Air Force area,  
3 where B-52s and other aircraft were bombing North  
4 Vietnam, and they were stationed in Thailand.

5 There were about five major air bases  
6 there, occupied by the U.S. during the Vietnam  
7 war. Maybe five or six years ago, I'm sure Tom  
8 remembers this, Mary Ellen McCarthy came over  
9 from the Senate Veterans Affairs Committee, and  
10 she produced this document called the CHECO  
11 Report, a DoD document from 1973.

12 Essentially, there were numerous  
13 reports, CHECO reports coming from, I think it  
14 came from MACV in Vietnam. This one was called  
15 "Base Defense in Thailand," and it specifically  
16 was, in my mind, it was produced in '73.

17 That was when President Nixon had  
18 ordered, in '72, he ordered an increase in  
19 bombing to bring the North Vietnamese to the  
20 compromise table, the Paris peace agreements.

21 And so there was a big buildup of  
22 Thailand air bases at that time. They were

1 originally built up in '65, then it kind of  
2 slacked off and then they were rebuilt in '72.

3 And this document was essentially a  
4 reprimand to the base commanders, telling them,  
5 you need better security on your perimeters  
6 because you can expect some kind local Communist  
7 activity.

8 Up until that time there was very  
9 little activity against those bases, a few minor  
10 attacks. I think maybe one American was killed  
11 in the course of, you know, eight years.

12 Anyway. So this report referred to  
13 the desirable fenced-in perimeters with some kind  
14 of herbicide used in the middle. That's what it  
15 talks about and it has illustrations.

16 So Mary Ellen showed us this, Mary  
17 Ellen McCarthy, and she conveyed the fact that  
18 the guard dogs that were walking the perimeters  
19 of the Thai bases were dying, and we documented  
20 that to be true. She said that was due to  
21 sniffing Agent Orange.

22 Well, I think we were kind of naive at



1 that time. At least I was. Brad Mays was the  
2 Director at that time and he agreed that we would  
3 -- Mary Ellen wanted a presumption of exposure  
4 for everyone in Thailand, just like Vietnam. But  
5 there certainly was never any spraying there, by  
6 aircraft.

7 And so we compromised with her, I  
8 guess you'd say, and we agreed to, and we did, we  
9 gave a non-presumptive acknowledgment of exposure  
10 on a case-by-case basis to guard dog handlers and  
11 security guards that walk the perimeter of the  
12 bases.

13 They get an acknowledgment and they  
14 get the same, almost the same as a presumption,  
15 that can get service connection.

16 MEMBER SIMBERKOFF: So -- I'm sorry.  
17 What is the reason for the guard dogs dying?

18 MR. SAMPSEL: Yes. We subsequently  
19 found out there was a viral infection --

20 MEMBER SIMBERKOFF: Okay.

21 MR. SAMPSEL: -- an animal viral  
22 infection that killed those dogs.

1                   MEMBER SIMBERKOFF: Okay. It's not an  
2                   --

3                   MR. SAMPSEL: It wasn't Agent Orange.

4                   MEMBER SIMBERKOFF: -- not a  
5 malignancy --

6                   MR. SAMPSEL: Things, you know, things  
7 evolve. Things evolve. When you're first  
8 confronted with an issue, you address it, and  
9 then as you get more details, things change, so.

10                   Anyway -- are we okay? So anyway, we  
11 had this policy. And for various reasons, the  
12 number of claims coming in has increased  
13 dramatically in the last couple years from  
14 Thailand veterans.

15                   They claim that -- all the claims are  
16 that, "I was near the perimeter. They were near  
17 the perimeter." And most of the perimeters on  
18 Thai air bases, they were huge bases, were not  
19 security perimeters. There were villages on the  
20 perimeters, there were all kind of, you know, all  
21 kinds of things, but not security.

22                   And so, you know, if they walked by

1 the flight line, they saw a perimeter, they said,  
2 "I was near the perimeter." And so we had  
3 multiple, multiple claims coming in and we had to  
4 deny those claims. And now we're getting a lot  
5 of feedback.

6 And I might add that BVA has granted  
7 several of those, too. Everybody know that. BVA  
8 decisions get posted on the Internet, the  
9 veterans see them and they say, "How come this  
10 guy got it and I didn't get it?"

11 So anyway, the latest, I contacted the  
12 Department of the Air Force History and Heritage  
13 Center. I won't go into the details behind that.  
14 But the head researcher over there, we had a long  
15 conversation.

16 And he, when there's a BVA remand --  
17 okay. BVA is an appellate group, and they,  
18 before they make their decision, sometimes they  
19 make a remand, back to the original regional  
20 office, and they say, you go to the Service  
21 Department, in this case, the Air Force, and you  
22 ask if Joe Smith got exposed to Agent Orange on

1 the perimeter of Udorn or Ubon or Utapao in 1967.

2 This researcher will send back to  
3 them, there's no evidence. So anyway, we  
4 discussed it. I discussed it with him for  
5 various reasons and he doesn't like doing this  
6 all the time, because he constantly gets those.

7 And I said, "Okay, if you don't like  
8 that, if you don't want to have to answer these  
9 all the time, why don't you provide a memo from  
10 the Department of Defense, the U.S. Air Force,  
11 and make a statement that there's no evidence?"

12 So he did that, it was vetted by their  
13 general counsel. We have a memo from the U.S.  
14 Air Force saying there's no evidence for any  
15 Agent Orange use on Thai bases. He also provided  
16 me with 200 pages of research that he has  
17 personally done. And he went through all kinds  
18 of supply records, all kinds of unit records, no  
19 evidence.

20 So the dilemma that we have in Comp  
21 Service, VBA, is that we have a policy that gives  
22 it to a specific group of veterans, but we don't

1 have any Agent Orange, we don't have evidence for  
2 Agent Orange use.

3 So that's what we're grappling with  
4 right now. I'm not sure how that's going to work  
5 out, but there's a lot of pressure for expanding  
6 it to all kinds of other veterans, but we really  
7 don't have any evidence to do that. Any  
8 questions about that one? No?

9 MR. MANAR: Have you published that  
10 memo or any of the evidence associated with it?

11 MR. SAMPSEL: Well, I don't think I'm  
12 revealing anything confidential that there's  
13 Chisholm Law Groups got a petition for rule-  
14 making pending, and they got it. They got it  
15 under a FOIA, from DoD, not from me. Not from  
16 us. So it's pending. I don't know what the  
17 outcome's going to be.

18 Okay. So then, I can just mention a  
19 couple others. Probably we're running out of  
20 time, right?

21 PARTICIPANT: No, we're good.

22 MR. SAMPSEL: Oh, we're okay?

1 PARTICIPANT: Mm-hmm.

2 MR. SAMPSEL: Okinawa, Okinawa is very  
3 interesting, because we have a lot of claims. We  
4 had a lot of veterans who were in Okinawa during  
5 the Vietnam period, and they're convinced they  
6 were exposed to Agent Orange.

7 I'm sure a lot of them saw commercial  
8 herbicides being used around their bases. At any  
9 rate, there is a journalist by the name Jon  
10 Mitchell, who lives in Japan, he's Welsh. He  
11 lives in Japan and he writes regularly on Agent  
12 Orange exposure in Okinawa.

13 And he gets it published in the Japan  
14 Times. And his journalism has led to trouble in  
15 Okinawa with the local people and the military  
16 bases there, and it's a political issue in  
17 Okinawa, just like Guam.

18 But anyway, we have no evidence  
19 whatsoever. We have -- Alvin Young did a report  
20 on it and he researched every supply manifest  
21 going into Okinawa. And there's no ship ever  
22 delivered any Agent Orange there.

1 All the Agent Orange was delivered  
2 from -- it was produced in U.S., shipped by rail  
3 to Gulfport, Mississippi, Naval Construction  
4 Battalion.

5 It was loaded on -- it was then  
6 shipped over to the coast and loaded on merchant  
7 ships, and sailed -- by merchant ships, not U.S.  
8 Navy ships -- directly either to Da Nang or  
9 Saigon. Never went to the Philippines, never  
10 went to Okinawa, never went to Guam.

11 At all those locations, veterans who  
12 were there think it went there.

13 MR. MANAR: Could I mention something?

14 MR. SAMPSEL: Yes.

15 MR. MANAR: And this is lawyer part of  
16 me that's bothering me about some of the things  
17 that I'm hearing, and that is, when you say, "It  
18 never went," what you're really saying is --

19 MR. SAMPSEL: There's no evidence.  
20 I'm sorry. I'm sorry. Yes, yes. You're, you're  
21 absolutely correct.

22 MR. MANAR: Okay.

1 MR. SAMPSEL: And if evidence does  
2 show up, we'll certainly change our policy. And  
3 normally, I don't say that. I'm sorry. You're  
4 right. There's no evidence. Currently, there's  
5 no evidence.

6 But the problem is journalist Jon  
7 Mitchell, who publishes these things, and I have  
8 had to respond to him. And DoD, once again, the  
9 problem is a BVA decision is posted.

10 There's several BVA decisions posted  
11 on the Internet, and Jon Mitchell turned that  
12 into, in his journalist articles, that's the  
13 United States government confirming and admitting  
14 Agent Orange use on Okinawa.

15 That's problematic, because there's no  
16 such admission and there's no evidence so far.  
17 But Jon Mitchell says that. He also, he's  
18 published -- he has what I thought was very  
19 interesting. He has a photograph of what he  
20 calls an "Agent Orange Hot Spot."

21 This goes to your thing about Agent  
22 Orange in the soil. He's got a photograph of



1 what appears to me, based on my outdoor  
2 activities, to be a dry creek bed which has an  
3 orange color.

4 Basically, probably from clay there.  
5 And in the background is the jungle. But this is  
6 obviously a dry creek bed. And he's calling this  
7 an Agent Orange hot spot and identifying it as  
8 evidence for Agent Orange use on Okinawa. That's  
9 the kind of thing we run into.

10 So needless to say, there's no  
11 evidence right now, but we continue to get a lot  
12 of claims. I can also mention Guam. This is  
13 very interesting, because Guam is very similar.  
14 The latest from Guam, we have a particular -- we  
15 have received numerous -- all of a sudden --  
16 letters from Congress about Guam.

17 And there's some teleconference coming  
18 up end of this month on that issue. We've  
19 already written several letters, and our response  
20 is, there's no evidence, currently. But there  
21 continues to be unbelievable reporting, so on and  
22 so on.

1           In this particular situation, there  
2 was a Hawaiian Science Journal published an  
3 article, written by -- this is a very lengthy  
4 article claiming that, here's scientific evidence  
5 that Agent Orange exposure causes birth defects  
6 on Guam.

7           And you read through this entire list  
8 of, I mean, pages and pages of data and so on and  
9 so on. And then you get to the punch line.  
10 Where did this evidence for -- and the article  
11 says, Agent Orange was used in this village on  
12 Guam, but not this village on Guam.

13           And this village where it was used has  
14 a higher rate of birth defects than this other  
15 village. And so when you get to the bottom of  
16 the article you find out where did this evidence  
17 for Agent Orange come from?

18           One veteran claimed that he sprayed  
19 Agent Orange in this village. That's it. That's  
20 the basis for this entire "scientific article."  
21 It's ridiculous beyond belief. And this veteran,  
22 by the way, well, I can't go into his claim but,

1 you know. Anyway.

2 There's no evidence for this, and yet  
3 here's a scientific article saying that Agent  
4 Orange causes birth defects. So I might add that  
5 the Department of Defense wrote an extreme  
6 criticism of this. They published that in a  
7 scientific journal also. And I don't know where  
8 we are on that.

9 Okay. Then I guess I can wrap this  
10 up. I mentioned the Agent Orange mailbox. Now,  
11 the DoD has provided us, through DR. Alvin Young,  
12 actually, for locations where Agent Orange was  
13 actually tested and developed and stored.

14 And I'll just briefly mention a couple  
15 of them. Gagetown was a big deal a while back.  
16 Gagetown is a Canadian base. Canadian Base  
17 Gagetown, where they wanted to test some early  
18 on, I think it was 1959, they did a one-month  
19 test on some trees up on that base.

20 And the Maine National Guard sends  
21 their national guard members up there for summer  
22 training. Several years back, we got numerous

1 claims from the Maine National Guard. Ultimately  
2 I went up there with some VHA personnel. And we  
3 explained to them that Agent Orange doesn't stay  
4 in the soil from 1959 until the '80s, when they  
5 were up there.

6 And not only that, but they're in the  
7 reserves. They're in the National Guard. Agent  
8 Orange doesn't count for them. So at any rate,  
9 we went to a lot of trouble to explain that. But  
10 we still get claims from Gagetown for Maine  
11 National Guard personnel. Another one --

12 MEMBER LOWENBERG: Why doesn't it  
13 apply to them?

14 MR. SAMPSEL: Pardon me?

15 MEMBER LOWENBERG: Why doesn't it  
16 apply to them?

17 MR. SAMPSEL: What?

18 MEMBER LOWENBERG: Didn't the claim of  
19 exposure occur overseas?

20 MR. SAMPSEL: You mean in Canada?

21 MEMBER LOWENBERG: Mm-hmm.

22 MR. SAMPSEL: This is in Canada.

1                   MEMBER LOWENBERG: Yes. Anywhere  
2 outside the continental United States. National  
3 Guard's legal status is identical to that of  
4 every other active-duty serviceman, when you're  
5 outside the continental United States. By  
6 federal law, you are an indistinguishable member  
7 of the Army or the Air Force.

8                   MR. SAMPSEL: Well, that's  
9 interesting. That's true for deployments to Iraq  
10 and Afghanistan.

11                   MEMBER LOWENBERG: It's true for any  
12 military service outside the United States.  
13 That's the only legal status in which a guard  
14 member may leave the United States and perform  
15 military duty. That includes --

16                   MEMBER BIRD: And anyone on active  
17 duty orders, as well.

18                   MR. SAMPSEL: Yes. Active duty is  
19 different yes. Active duty --

20                   MEMBER LOWENBERG: But they are on  
21 active duty if they're under Title 10 orders.

22                   MR. SAMPSEL: To Canada?

1                   MEMBER LOWENBERG: Yes. Of course.  
2                   That's not --

3                   MR. SAMPSEL: Okay. Well, we never  
4                   made a issue out of that, because they weren't  
5                   exposed. I mean, they went there 20 years later.  
6                   You know. But that's, I'm glad you mentioned  
7                   that, yes. I thought there was some agreement  
8                   with Canada, by virtue of being our bordering  
9                   neighbor. But no, I guess not, huh?

10                  MEMBER SIMBERKOFF: There's no wall.

11                  (Laughter.)

12                  MR. SAMPSEL: There's no wall, free  
13                  access.

14                  MEMBER SIMBERKOFF: We lost that  
15                  battle in 1812.

16                  MR. SAMPSEL: Yes, you're right.

17                  MEMBER LOWENBERG: There's in fact a  
18                  mutual assistance agreement between U.S. Northern  
19                  Command and Canada, in which any U.S. military  
20                  personnel in Canada fall under the operational  
21                  command and control of the Canadian military in  
22                  Canada.

1                   MR. SAMPSEL: Well, that's  
2 interesting. But, you know, one of the arguments  
3 made by the Maine National Guard people was that  
4 the Canadian Government paid any troops that were  
5 their troops at Gagetown during the period of  
6 testing.

7                   So, you know, that was one of the  
8 arguments they used. But irrespective of the  
9 National Guard issue, there's no evidence for  
10 their exposure that long afterwards.

11                   CHAIRMAN MARTIN: As an aside, I'll  
12 just mention that this committee has discussed a  
13 fair amount of, and spent a fair amount of time  
14 discussing the duty status of guardsmen and  
15 reservists through various aspects of their  
16 careers. And so that's an important issue.  
17 Thanks, Jim.

18                   MR. SAMPSEL: Oh, okay.

19                   MEMBER PAMPERIN: I would point out,  
20 too, that Canadian soldiers who received  
21 compensation for exposure to Agent Orange --

22                   MR. SAMPSEL: Yes, they do.

1                   MEMBER PAMPERIN: -- are very small,  
2                   less than 20. And the way the test was  
3                   conducted, the soldiers had, were out in the  
4                   field, holding a large stake with mesh on it.  
5                   And the plane came over and sprayed them.

6                   MR. SAMPSEL: Oh.

7                   MEMBER PAMPERIN: You know, so it's  
8                   direct, obvious and, you know, specific.

9                   MR. SAMPSEL: Yes. We try to make a  
10                  distinction between active exposure, I mean,  
11                  active Agent Orange versus dried, solidified or,  
12                  you know, Agent Orange that's been photolysis has  
13                  eliminated, and so on and so on.

14                  Anyway, I can mention Eglin. Eglin  
15                  was where they tested spray nozzles on a two-  
16                  square-mile area through the '60s and early '70s,  
17                  until Agent Orange was terminated in '71  
18                  everywhere. Then it was shipped to Johnston  
19                  Island in the Pacific and it was stored there  
20                  until 1977. All the remaining stores of Agent  
21                  Orange were incinerated at sea in 1977 by  
22                  merchant ships.



1           So we get claims for a veteran who  
2 might have gone there and worked with Agent  
3 Orange. Actually, we granted a couple where the  
4 veterans went there and they re-barreled Agent  
5 Orange for the incineration process.

6           So we gave them acknowledgment of  
7 exposure. Several in Gulfport, where they also  
8 stored it at Gulfport prior to shipping to  
9 Vietnam. And when use was terminated in '71,  
10 there was a lot still left in Gulfport.

11           And they incinerated it out in the  
12 Gulf of Mexico. We've given acknowledgment of  
13 exposure to a number of guys that were involved  
14 in that. So I don't want to say that we never  
15 give it to anybody, but we have a criteria for  
16 giving it and we try to follow that.

17           There's one other wrinkle that I want  
18 to mention and that has to do with the law of  
19 Agent Orange exposure, that 1116 Agent Orange Act  
20 of 1991. That legislation refers to "certain  
21 herbicide agents." That's the term they use.

22           And then, in the statute when they

1 define what that means, they say they identify  
2 TODD or dioxin, and 2,4-D. 2,4-D is identified  
3 as a herbicide associated with all the diseases  
4 that VA associates with Agent Orange exposure.

5 But 2,4-D is a commercial herbicide,  
6 still in use, still EPA-approved, probably used  
7 in Roundup, used on people's lawns in the U.S.

8 And yet there it is, and the statute  
9 associated with all the diseases, ischemic heart  
10 disease, prostate cancer, diabetes and so on.  
11 And so we've had a number of lawyers, court cases  
12 already, that were settled because we don't want  
13 to address it right now.

14 But various law groups realize that  
15 2,4-D was used on all military bases. And yet  
16 there it is, listed as contributing or  
17 presumptively associated with all the diseases.

18 So I'm not sure where we're going with  
19 that, because we've got several pending lawsuits  
20 on that. Several have already been essentially  
21 settled, gave it to the veteran so it didn't get  
22 to the court. And I wrote several legislative

1 proposals to Congress to eliminate that 2,4-D and  
2 explain that it's a commercial herbicide

3 Can't we eliminate that from  
4 consideration as a certain herbicide agent  
5 causing all these diseases?

6 But they haven't done anything with  
7 it. So that's an issue we've got to face coming  
8 up in the future. So anyway, that's about all I  
9 have unless anybody has any questions.

10 And I want to emphasize one thing.  
11 Jerry is absolutely right. I didn't mean to say  
12 -- I want to make it clear. If there's any  
13 evidence that comes in we will definitely change  
14 our policy. Any questions?

15 CHAIRMAN MARTIN: Jim, thank you.  
16 Thank you very much for your expertise and your  
17 long work in this area. I appreciate it. Sounds  
18 like it's getting longer every day.

19 MR. SAMPSEL: Yes, it is.

20 CHAIRMAN MARTIN: Any other questions?

21 PARTICIPANT: No. Thank you.

22 MR. SAMPSEL: Okay. And we're all

1 done.

2 CHAIRMAN MARTIN: Thank you all very  
3 much.

4 (Applause.)

5 (Whereupon, the above-entitled matter  
6 went off the record at 2:21 p.m. and resumed at  
7 2:34 p.m.)

8 CHAIRMAN MARTIN: Okay. Ladies and  
9 gentlemen, thanks. We -- we are very delighted  
10 today to have the Acting Under Secretary for  
11 Benefits, Thomas Murphy, with us. I mentioned  
12 that he was kind enough to meet with me back in  
13 December, and kind of discuss a ranging array of  
14 topics.

15 And, Mr. Under Secretary, thank you,  
16 sir, for being here today.

17 MR. MURPHY: Thanks.

18 I've got a few questions. You guys  
19 let us know we're coming, so we'll start with  
20 those, and then we'll go wherever you want to go  
21 from there. How's that?

22 So the first one was given, "The

1 workload is starting to climb again, is it being  
2 caused by the focus on appeals? Unsettled nature  
3 of contracting exams contribute to the rise, and  
4 the last time we had a briefing, the contract was  
5 in protest and litigation?" so that's actually  
6 multiple questions.

7           The contract is still in litigation.  
8 It did go to GAO. We prevailed. The next day,  
9 it was filed in Federal Court, and now this  
10 contract is in the hands of Department of  
11 Justice. The court date is June, and we're doing  
12 some things in the meantime to see if we can get  
13 it going.

14           However, there's very little risk  
15 there, because what we have now is the five prime  
16 contractors, five prime competitors on the  
17 contract can do any exams anywhere in the nation,  
18 in the world for that matter, because we've also  
19 -- we're also doing it internationally, so it's  
20 an open, wherever we feel like assigning to,  
21 whichever contract is under the bridge, which is  
22 good through next December at this point.

1                   When I say "good," meaning it's not  
2                   awarded that way, but under the current authority  
3                   we have, we can put extensions in place through  
4                   next December. The bottom-line on that one is  
5                   there's no risk that we have veterans waiting to  
6                   have it.

7                   The other part of the question is --  
8                   oh, "Why is the backlog at 101,000 right now?"  
9                   The answer is going to appeals, and I locked down  
10                  the appeal's people, 1,495 of them, and said,  
11                  "You're not allowed to work claims anymore."

12                  The good news is, for the first time  
13                  in a decade, the appeals' inventory has stopped  
14                  climbing. It essentially started decreasing the  
15                  last four months, and those 1,495 people only  
16                  work appeals, so if all of a sudden we have  
17                  capacity to take the appeals inventory down, what  
18                  happened? It means they stopped working on a  
19                  rating bundle, and about that time, we started to  
20                  grow from 70,000 at the beginning of the year to  
21                  right at, we go between 98 and 101,000, 102,000  
22                  on any given day, so that's what happened with

1 that.

2 It's not tied to the fact that we  
3 can't get exams. The contractors that we have, I  
4 just got numbers from one of them, they're doing  
5 exams in 17 days, better than 98 percent of the  
6 time, and that's probably one of the better  
7 performing ones, but the others aren't far  
8 behind. Even VHA compared to where they were a  
9 few years ago is meeting their numbers of 30 days  
10 as their standard.

11 Exams, while they're a factor and we  
12 can shorten the overall process a little bit by  
13 shaving a little time off of it, they're not the  
14 reason that we're sitting at the 100,000 in  
15 backlog right now.

16 MEMBER PAMPERIN: Is the 100,000  
17 affected average days completely?

18 MR. MURPHY: Yeah. We're down to --

19 MEMBER PAMPERIN: So it hasn't  
20 affected it?

21 MR. MURPHY: Has not affected it?

22 MEMBER PAMPERIN: Yes. In the sense

1 of causing average days to complete --

2 MR. MURPHY: Oh, no. No. AVC's down  
3 and holding pretty good. We're sitting at 119  
4 and falling right now, so the -- depending on the  
5 day, we're watching the work coming in the door,  
6 and I'm looking for each week, how many end of  
7 the week, we've completed more than is in the  
8 inventory, and we're seeing that our overall  
9 inventory is starting to decrease a little bit, a  
10 couple hundred a week, so the age of the  
11 inventory is getting a little bit younger, but  
12 we're seeing some surges.

13 Like this weekend, we were -- on a  
14 Sunday morning, we had an inventory of -- a  
15 backlog of 98,000, but Monday morning came  
16 around, and from a year ago, the rollover was  
17 3,200 cases rolled over in the backlog over the  
18 weekend, so that pushed us up to the 101,000.

19 We are moving some folks around  
20 internally to drive more people into the rating  
21 and development world. I got to get down below  
22 95 and on my way to 90 and keep going in that



1 direction. I can't keep hovering around 100,000,  
2 so we're looking at moving some folks around  
3 internally, and then you're going to hear a flack  
4 with some people in Congress and some other  
5 notifications going on.

6 We just told the union and others that  
7 mandatory overtime is back on the table, so we're  
8 real specific on this one. We are not saying  
9 mandatory overtime for all people always. What  
10 we're saying is by telling the union now that I  
11 can do overtime on a two-week notice at any point  
12 as we need it, we have problems in development,  
13 we have problems on appeals, we have problems in  
14 post, wherever it is we need it, we'll use the  
15 overtime for the length of time that we need it  
16 to get back on track, and then stop it again.

17 So what we're doing is pre-notifying  
18 the union that we're going to do overtime on an  
19 as-needed basis. And there'll even be a  
20 particular regional office, because they're  
21 falling below their goal for the year. The RO  
22 director will be given the time and the authority

1 and the money to go in and use overtime in their  
2 office so they can get back on track to meet  
3 their objectives as well.

4 Now, that doesn't mean there hasn't  
5 been overtime. We've already spent -- I can't  
6 remember the number, but \$25-\$35 million of  
7 overtime has already been spent this year, but  
8 we're still going with a voluntary individual  
9 basis, we're doing it that way, but we are  
10 pushing some to say, "You need to be working."

11 The choke point is not the  
12 development. We have plenty of cases that are  
13 waiting for the rating board action, but they  
14 don't have enough raters in there to do it, and  
15 then authorizers is where the overtime needs to  
16 be spent, on the rating board and authorization  
17 and award.

18 Question two is, "VA now has authority  
19 to contract all regional offices, you're talking  
20 about exam?" Yes, as of October last year, we  
21 did a briefing in when, how this will happen.  
22 We're already doing -- we cut the nation up into

1 12 different districts. Each of the five  
2 districts with two awards and two suppliers in  
3 each was the plan, plus a national mission,  
4 meaning IDES and pre-discharge, plus an  
5 international mission.

6 The national mission is being done by  
7 QTC. The international mission is being done by  
8 VES. And VES is averaging 24 days on their  
9 international exams. They're doing them all over  
10 the Pacific Rim, and all over Europe, so Germany,  
11 Italy, and Great Britain.

12 Over in Asia, they're doing them in  
13 the Dao Islands, they're doing them in Korea,  
14 Japan, and a couple other places around the  
15 Pacific. And, like I said, they're doing them in  
16 24 days, which is pretty darn good considering  
17 not that long ago that was a 6 to 9-month process  
18 to get an exam done.

19 "Work is now distributed through the  
20 National Work Queue, how will one office know  
21 what is available to schedule at another office?"  
22 The tool is called, "ERRA," E-R-R-A.

1 Beth, did you talk about that already?

2 MS. MURPHY: No. I'm after you.

3 MR. MURPHY: You're after me, okay.

4 Beth is going to talk a little bit  
5 about the ERRA tool. VSR that's ordering, has  
6 the ability to select from the contractors that  
7 we tell them they can choose from, or from VHA  
8 depending on where the capacity and timeliness  
9 is.

10 So we thought about that. We thought  
11 we had that such that when you start distributing  
12 work everywhere, the first case you touch may be  
13 for someone in Georgia, the second one for  
14 California, the third one for Idaho, and how  
15 could you possibly know how to do those exams?  
16 That's what the tool is for. You put it in where  
17 the veteran lives, it tells you what capacity you  
18 have, what performances, etc., and then it tells  
19 you where to order the exam from.

20 "Could we get a general update on the  
21 National Work Queue and what steps are taken to  
22 manage the workload in light of the increased

1 inventory?" Inventory hasn't changed. We're  
2 still sitting at around 1,000 and we're holding  
3 pretty steady there. Even in spite of the fact  
4 that we're seeing about eight percent more claims  
5 this year, our inventory is not climbing. It's  
6 holding steady.

7 So we're talking about the increase,  
8 the backlog. How is the NWQ doing that? It's --  
9 NWQ has made it possible for us to work in the  
10 right next case.

11 In the world prior to NWQ, we did --  
12 we literally put files in boxes and shipped them  
13 around the country. That was a form of NWQ. It  
14 was \$50 a box when we did it. Now we just do it  
15 at night without anybody knowing about it,  
16 because we set the rules in the machine and it  
17 does the distribution for us.

18 What's happened is, we no longer have  
19 the pockets that we saw before in places like  
20 Baltimore, Oakland, Detroit that was there for a  
21 while as well where cases there, in one of those  
22 locations, then you'd wait for 450 days to get a

1 rating decision, while if you were in one of the  
2 other better offices, you got your case done in  
3 125, 135, 150, something like that, days.

4 Bottom-line was if you're in a good  
5 office, you got it done in half the time, so with  
6 this, all of the inventory is pushed out each day  
7 starting with the oldest cases working to the  
8 newest cases, and then the prioritization is  
9 still in there, so if you're an SBI case or a  
10 homeless veteran case, all those priorities that  
11 we have, are still in the rule first, so the  
12 priority cases go out the door first.

13 We are doing some program changes in  
14 distribution, which go into effect this month  
15 later in March, which will drive up the  
16 percentage of cases back to the home station, the  
17 SOJ, where the veteran lives. So if you're from  
18 Southern Texas, it's most likely that your case  
19 will go back to Houston when it's assigned out of  
20 National Work Queue.

21 MEMBER PAMPERIN: Tom, at the hearing  
22 that you just testified with, one of the

1 congressmen made a comment about replacing VBMS,  
2 and can National Work Queue be done with a  
3 replacement, and nobody really, from the witness  
4 stand, contradicted him. Is there -- are there  
5 plans to replace VBMS?

6 MR. MURPHY: They're like this.  
7 They're --

8 MEMBER PAMPERIN: Are there plans to  
9 replace VBMS?

10 MR. MURPHY: No. No. The world has  
11 evolved in the last five years while we were  
12 programming VBMS. And what we had done before  
13 was you start completely over with a new program,  
14 and 30 years from now, you might have everybody  
15 transferred over.

16 Now, there's companies out there,  
17 which will allow you to take the database that  
18 you have and you build an application over it,  
19 which would replace VBMS. There's no plans  
20 anywhere to do that.

21 And the other part of that question  
22 was, "Can you separate one so that if we replace

1 this, can you just plug NWQ?" No, they're one.  
2 It's like the left and the right hand of a single  
3 body. There's no way to extract one and put in  
4 another.

5 One of the other comments about NWQ.  
6 Right now, the work we send out every day is  
7 based on -- called, "The WIT." The regional  
8 office comes back and tells us, "These are the  
9 number of people that I have on production and in  
10 what discipline, what job do I do in the  
11 process."

12 Each night, we take those numbers,  
13 which they're only updated once a week, but we  
14 look at those numbers, and then we push work out  
15 to the regional offices based on the manpower  
16 they're telling us they available to produce that  
17 work. And we know a VSR grade 7 equals this many  
18 cases, a VSR grade 9, grade 10, grade 11, same  
19 thing with the raters, they each have their own  
20 standards that they're working against. And we  
21 push the work out to bring them up to  
22 approximately three days' worth of work.



1                   So what does that mean? When we're  
2 sitting on 390,000 cases that we're at today, of  
3 the cases that are ready to be worked, meaning if  
4 you have an exam pending and your exam is in a  
5 week, that's not a case that's ready to be  
6 worked.

7                   We'll hold it at the national level  
8 until the exam results come back, but once the  
9 exam results come back, it goes back to a VSR to  
10 look at and make sure all the evidence is there.  
11 So of all the cases that are ready to be assigned  
12 out, anything that's 90 days or older, plus any  
13 of those high priority cases, is pushed out every  
14 single day.

15                  So if I were to go downstairs and say,  
16 "Push more work out," the next thing we'll do is  
17 we'll start getting cases that are 85 days old or  
18 80 days old, and we'll start injecting those --  
19 we'll push out more work. And then what happens  
20 if I start pushing out more work is people will  
21 start working out of their bucket, and I'll have  
22 them working on cases that are 85 days old, and I

1 may have one in there that's 130, 150, 180 days  
2 old, so we got to be careful with how much work  
3 we push out.

4           The regional offices each have a  
5 number that they need to produce based on the  
6 people that they have, and they have a  
7 timeliness. It's called a, "Timing Queue  
8 Measure."

9           Of the work that you have in your  
10 hands in your office, how long has it been there?  
11 The standard is the five-day average. Just about  
12 every RO in the nation is sitting at about  
13 between -- average is about -- let's see, the  
14 last one I looked at was 2.99 days, and that was  
15 office number 30 in the process, so that's just  
16 about the middle of the pack, so the average is  
17 just under 3 days on a 5-day standard.

18           There was only one or two offices in  
19 the whole nation that wasn't pushing their stuff  
20 through under five days. That's just the  
21 development steps.

22           The award and authorization, one step

1 has got three days, and the other step has two  
2 days, and all ROs in the nation are beating both  
3 of those. So the bottom-line is when we give  
4 them work with a very specific time, they're  
5 turning it around appropriately.

6 I also have the ability to see based  
7 on the number of people that you reported in  
8 cases that I sent you, there's an expectation of  
9 how many transactions you should do, how many  
10 development steps, how many rating steps, etc.  
11 And I have the ability to see that every day down  
12 to the individual office level. Through another  
13 screen, I can dig down and look at each  
14 individual employee.

15 NWQ has given us so much data on our  
16 cases and our employees, we don't even know what  
17 to do with it all yet, and we're six months into  
18 it, but this is data rich. Before, it was all,  
19 you had to make educated guesses, because we  
20 didn't have the data, we didn't know. Now, I  
21 know. I know exactly what's happening with every  
22 case. I can see it.

1           I can go back in and look at a case  
2           the day it was developed and every single person  
3           that's touched it and how long and what they did  
4           with it, and all the way to the end and out the  
5           door. We've never been able to see that before.

6           We're seeing a 30 percent rework in  
7           certain steps in the process. Ten percent of  
8           that is because the veteran takes an action which  
9           causes the case to go backwards, added an issue,  
10          sent some evidence in that we weren't looking  
11          for.

12          For some reason, the veteran initiates  
13          an action, which sends the case back. The other  
14          20 percent is an individual that we, we read it  
15          and say, "This one didn't necessarily need to go  
16          back," but you elected to send it back, meaning  
17          an avoidable deferral. So some of our people are  
18          sending it backwards, that we're saying, "There's  
19          enough in the case for it to go forward."

20          That is not in the individual employee  
21          standards, because we don't have a level of  
22          consistency, an accuracy that I can use for an

1 accountability performance aspect with employees  
2 yet. Give it a year or two, then maybe we will,  
3 then we can go back in and start subtracting when  
4 you could have rated a case and you decided  
5 develop further and send it backwards.

6 We'll start subtracting that from your  
7 production numbers so that we disincentivize that  
8 kind of behavior, but it's not there yet. I  
9 can't do that accurately now, so I can't use that  
10 against employees at this point.

11 The other side of it is we do a lot of  
12 data mining out of there so we can see who's  
13 sending work back, and feeding that information  
14 back to first-line leaders and the coaches, the  
15 service center managers in a report that they're  
16 seeing each week that tells them, "These are the  
17 avoidable deferrals." And that's being made  
18 available to the first-line leaderships, so they  
19 can go back and have discussions with their  
20 employees.

21 MEMBER LOWENBERG: At what point will  
22 the data allow you to draw correlations there

1 when we put in the rate of case adjudication is  
2 completion and appeal rates? In other words, the  
3 quality control analysis.

4 MR. MURPHY: There's still -- and I've  
5 been looking for seven years now. I've been  
6 looking for the link between the quality of what  
7 an office does and the rate of appeal. It's not  
8 there. There is no correlation.

9 And I'll give you some offices that  
10 are traditionally our best offices in the nation,  
11 Milwaukee and Lincoln. They have the exact same  
12 appeal rate as the bottom three to five offices  
13 in the nation in terms of quality. They're both  
14 --

15 MEMBER LOWENBERG: Well, actually, I  
16 would find that reassuring, because you really  
17 increase the pace with which you're pleading  
18 these cases.

19 MR. MURPHY: Yes.

20 MEMBER LOWENBERG: There doesn't  
21 appear to be a breaking point where the quality  
22 is going down because of the pace in work.

1           MR. MURPHY:  If you look, you see our  
2           quality has dipped a little bit, but the quality  
3           has dipped a little bit not because of what NWQ  
4           has done.  There's some other actions in there.

5           Beth will be up here in a little bit.  
6           Her folks just came in and did a root cause  
7           analysis and some other things on it, and we have  
8           some process stuff that we can fix from the  
9           national level, which we think will turn that  
10          quality back up again.

11          We're down to half a point from where  
12          we should be right now.  We need to be back up at  
13          that 96, that 96 mark on the issue-based quality.

14          So her team did some analysis on it,  
15          they did look at it, and a little bit of systems  
16          stuff, a little bit of process change, and I  
17          think we're going to see the quality go back the  
18          other way again pretty quick.

19          But there's no -- back to your comment  
20          about the quality of what a station is producing  
21          and the appeals rate.  It's not a correlation  
22          between the two.  It's -- what we are finding out

1 is the correlation between when you appeal and  
2 why, and it's got to do with your confidence that  
3 you got an accurate decision.

4           When we first started, NWQ -- not NWQ,  
5 excuse me, a fully developed claim, we saw a  
6 significant drop. You think, "Oh, it's not a big  
7 drop, it went from 12 to 10." No, that's two-  
8 twelfths. It's a big drop. So we saw a big drop  
9 in the reduction of people that were filing  
10 appeals, and the only correlation I could find  
11 was when I gave you a fully developed claim with  
12 the evidence, I didn't question whether or not my  
13 evidence was considered, because I gave it to  
14 you, I know it was considered.

15           So there's also a correlation between  
16 the time, from the time I filed to the time I get  
17 a decision, and my confidence that I got an  
18 accurate decision. As it drags on, I have less  
19 and less confidence that I got a good decision,  
20 which is why you're going to see -- you're going  
21 to hear -- some others have already heard it, the  
22 decision ready claim process.



1           We're kind of rearranging the sequence  
2 steps, so a veteran can go get their own C&P exam  
3 in our facilities or contractors, doctors at our  
4 expense, and then you submit that along with your  
5 526. In return, we'll do some screening on it  
6 and we'll send it right to the rating board.

7           If you elect into that process, you're  
8 looking at a rating decision in 30 days. It  
9 won't be for everybody, so -- but some will  
10 select to stay in the normal process, okay,  
11 that's fine, that's up to you, but if you want to  
12 get actively involved with it, and you want to be  
13 able to see your evidence that's going in front  
14 of a rater, you'll have the ability to do that  
15 under this system.

16           I think that's the formula for a lower  
17 appeal rate. There's a value step here that  
18 happens in the process. Because we're the VA,  
19 when you're talking to a Veteran, what we say is  
20 suspect when you're talking about the outcome of  
21 the case, so you need the disinterested third  
22 party that's educated in the process to say,

1 "You're not going to get anything here, can't be  
2 us."

3 A trained veteran service officer that  
4 sits down and has that conversation that can see  
5 the exam before it's submitted, read it, and tell  
6 them, "I got -- the news is you have tinnitus,  
7 and you're going to get ten percent. Don't  
8 expect 20, 30, 50, so don't even appeal this.  
9 Here's your effective date, here it is, you  
10 submit it, a month later you get it back, and it  
11 comes back with tinnitus ten percent. There's no  
12 appeal."

13 And I use tinnitus on purpose, because  
14 it's a yes/no question and it's ten percent or  
15 it's not at all. But that level of expectation  
16 is set by a trained service officer that the  
17 veteran has elected to have represent them. I  
18 think we get that higher of confidence coupled  
19 with the speed.

20 So if you've got an educated person  
21 and telling them it's not the VA, plus the speed  
22 of process and an ability to review the evidence

1 by a rater, I think that's what turns a 12  
2 percent appeal rate into an 8, 7, 6 percent.

3 Six months from now, you can ask  
4 again. A year from now, I'll be able to give you  
5 details, because we're driving to have this thing  
6 rolled out nationwide no later than September.

7 MEMBER LOWENBERG: You just touched on  
8 a very important point to the committee, and  
9 we've made the recommendation. I know the  
10 chairman has shared it through the administrator  
11 that when positions are filled on this ACDC that  
12 there is an important role to be filled by a VSO  
13 representative. As a member in this community,  
14 we found that to be extremely valuable over the  
15 past two years.

16 MR. MURPHY: Yes. Well, that's why  
17 Tom's here.

18 MEMBER LOWENBERG: Yes.

19 MR. MURPHY: We're looking around and  
20 I'm trying to remember who was here before, but  
21 who understand the business from the inside, then  
22 I say, we --

1                   MEMBER LOWENBERG: Tom, turn that  
2 down.

3                   MR. MURPHY: Yes. I said, "We need  
4 that." That skill set needs to be at the table,  
5 somebody that understands the sausage-making that  
6 can sit down and have a conversation, and then  
7 quite frankly, then when you guys get together  
8 and ask us questions, they come from an educated  
9 standpoint.

10                  MEMBER LOWENBERG: Yes.

11                  MR. MURPHY: And the same thing comes  
12 with a VSO at the table where you get a different  
13 perspective on things than just what we're  
14 telling you, so I'm completely in agreement. The  
15 right mix on the committee here makes life better  
16 for everybody.

17                  MEMBER PAMPERIN: Tom, I think the  
18 committee is -- while it appreciates the  
19 complexity of the work is a little impatient at  
20 the pace of the rollout of the rating schedule  
21 limitations.

22                  Having said that, how do you propose

1 to deal with that once it actually starts since  
2 you'll have to pull all pending claims, have to  
3 evaluate them under the old handling schedule?

4 MR. MURPHY: Yes. That's going to be  
5 a nightmare. Yes, that's -- when do you file  
6 your claim pending, you get the old, you get the  
7 new. If you file after the date, you get the new  
8 only. This is going to be -- this is going to be  
9 a while. Not to mention that the new rating  
10 schedule needs to be programmed into, and it's a  
11 hard program, into VBMS, which means it's not  
12 going to be fast.

13 I got to switch back to the part, I do  
14 have some confidence and knowledge about, and  
15 that's the status of where we are on all of the  
16 different body systems. What is it? A third, a  
17 half roughly, I've done? There's none that are  
18 sitting in this building, meaning it had to be  
19 written. They're all going through either the  
20 final stages of the occurrence or publishing in  
21 the Federal Register or several have already been  
22 published.

1 DR. VVEDENSKAYA: Five final rules are  
2 in the end stages of its development. And just  
3 as these are going through the limitation versus  
4 like right now. We are programming stuff with  
5 VBMS information to the final rollover option.

6 MR. MURPHY: So we had a conversation  
7 on Friday with the GAO on this very topic. They  
8 were talking about the high-risk report. And VBA  
9 is on the high-risk report for two items. One is  
10 appeals' modernization, and the second one is the  
11 VASRD.

12 And they told the Secretary, "If you  
13 went off the high-risk report, complete those  
14 two." So all of a sudden, the VASRD just jumped  
15 up much higher, which is music to our ears. Like  
16 I said, it's going through -- it's past us. Now,  
17 it's going through the stages.

18 Tom, I don't have all the answers on  
19 how we're going to fix that on the rollout. I do  
20 know that --

21 MEMBER PAMPERIN: Clearly, the  
22 automation will help. It is Sunday --

1           MR. MURPHY: Yes. We may have to --  
2           who knows? We end up with two calculators. You  
3           got to run each one of them or an output and come  
4           up with which one is the more advantageous, so  
5           you have another step in there for a rater.

6           You take your same DBQ, you run it  
7           under an old system, you run it under new system,  
8           compare the two, pay the rater, but even that  
9           goes away. The way we're going now on a 120-day  
10          average, it's really a six-month process.

11          Within six months, everybody that's  
12          subject to the dual rule, their cases are  
13          decided, except for the ones that go into appeals  
14          and live on, but for the majority of the rating  
15          board, it's about a six-month process, and then  
16          any of the new cases that come in, get run under  
17          just the new rule.

18          "I heard rumor that the new  
19          administration might have different ideas about  
20          the VASRD redesign?" No, they're right on board.  
21          It was literally the first conversation with Dr.  
22          Shulkin was going to be able to publish the

1 VASRD.

2 He's not questioning anything in there  
3 about medical, especially since I sat him down  
4 and explained to him that it was his doctors that  
5 represented medically for VHA and were on the  
6 team that did the writing, and then I got the  
7 buy-in from him.

8 So I explained to him we had doctors  
9 from inside, we had doctors from outside, we had  
10 better service officers during the information  
11 gathering phase, and then writers, and then our  
12 own medical types here, the VBA, and he was on  
13 board with that.

14 We did have some conversation about  
15 there are some costs with this. Some will go  
16 down, some will go up, and others will go up a  
17 whole lot. So there's -- the story may be it's  
18 not -- we are cutting veterans' benefits over  
19 here. No, we're redistributing veterans'  
20 benefits.

21 We were overpaying here, and now  
22 we're, been told we were underpaying here, and



1 we're increasing. And mental health, I mean,  
2 there's no secrets here, we've been told since  
3 the '80s that we're underpaying for mental  
4 health, right?

5 Well, this new regulation makes very  
6 big changes in mental health. It lines it up  
7 with how you're treated in the private sector,  
8 and the activities of daily living, etc., so it  
9 lines up better with how we treat people in the  
10 mental health world today, which makes private  
11 evidence more useable than it has been in the  
12 past, but it also changes the numbers and  
13 increases the payouts there.

14 So there's not enough in the  
15 conditions, such as reducing the time you pay for  
16 hip or knee replacement surgery. There's not  
17 enough in those decreases to offset the other  
18 increases in there, so there's some conversation  
19 now about, "Do we go out with one at a time or do  
20 you go out with, 'Hey, everything is ready,  
21 here's all that are left and publish them at  
22 once.'"

1                   It's kind of nice to be at the point  
2 where we're talking about how we're going to go  
3 about implementing, and stop talking about  
4 whether we're going to implement or not. So that  
5 kills number four.

6                   Number five, "Would it be possible to  
7 get a briefing on where I see things and what  
8 metric is used in VBA?" I'm looking at -- if I  
9 could just explain to you about the appeals  
10 inventory. I'm also looking about, at the WIT  
11 tool. How many -- I'll give you some examples.

12                   We are given a budget to fund for  
13 15,000 people in the compensation world,  
14 compensation in pension, excuse me. Ten thousand  
15 of those people are in direct labor positions,  
16 which means there's 5,000 analysts, executive  
17 assistants, you name them, but not touching a  
18 case.

19                   Why are we at a 2:1 ratio? Why is it  
20 12,000 are on production and 3,000 admin? So the  
21 question is, "Do we have the right people in the  
22 non-direct labor positions or should we do some

1 shifting to move more people into direct labor so  
2 I can turn 100,000 case backlog into 70,000 like  
3 we were at the end of last year?"

4 We're on a hiring freeze right now.  
5 Fortunately, the people that we did lose, and a  
6 good percentage of them, left by going to other  
7 federal agencies. When there's no place to go,  
8 you stay here.

9 So our people that were going out the  
10 door, we were losing about -- or just the last  
11 month or two before, we were losing 61 people a  
12 pay period. That number has dropped to below 40  
13 a pay period right now.

14 And so the ones we're seeing now are  
15 retirements, and a couple of terminations for one  
16 reason or another, but for the most part, the  
17 ones that were driving out the door and going to  
18 other federal agencies, they're not leaving  
19 anymore, so my rate of decrease of people leaving  
20 has dropped.

21 The other part of that is we had made  
22 some decisions long before, even before the

1 election, on two big ones. One is we constantly  
2 needed to be staffed at 100 percent, but because  
3 of our hiring process, we always never really got  
4 above the 95 percent mark.

5 Bottom-line, I had 1,000 empty  
6 positions at any given time, so I said, "Okay,  
7 the artillery guys out there, it should hit data,  
8 and did hit data." So what do I do? I adjust  
9 the point of aim, and I adjusted the point of aim  
10 to 105 percent, and that took us up to the 100  
11 percent mark.

12 So bottom-line was I took five percent  
13 more of the total manpower and allocated it out  
14 to select regional offices across the country and  
15 told them to hire more bodies. We did that last  
16 summer, so you all know the way we did that was  
17 we took that 5 percent and concentrated it in the  
18 top 25 percent performing offices.

19 So if you were, I don't know,  
20 Milwaukee and you were number three on there, you  
21 got bust up. I think it came out to be 12 or 14  
22 percent more headcount in each of those offices,

1       so if we're going to hire, and in this office, I  
2       get 10 a day out of you, but in this one, I get  
3       20, why would I hire somebody in 10? For the  
4       same money in a different office, I get 20,  
5       right? So we put those extra bodies in the  
6       offices that had the better production.

7                 Then, we took 50 percent of our  
8       overtime, which is about \$40 million, and said,  
9       "Overtime is the most expensive flavor that we  
10      have, so let's hire entry level employees with  
11      that, and instead of 400 employees, I can now  
12      hire about 500 employees for the same pay that I  
13      was paying -- more like 600 employees, for the  
14      same pay that I was paying my own people to be  
15      working overtime, and I'll just spend less money  
16      on overtime throughout the year."

17                 So bottom-line was based on the 1,000  
18      plus the overtime conversion that we had, when we  
19      started the hiring freeze, we were nearly 300  
20      people over authorized sensory. So even today,  
21      here it is a month later, I haven't even trimmed  
22      it down to my authorized sensory, so that turned

1 out to be a wise decision on our part.

2 There is a letter pending over at VACO  
3 right now. I asked for an exception to the  
4 hiring freeze authority for the direct labor  
5 positions. And this is Tom's direct labor  
6 definition, not ORM's direct labor definition.

7 My definition of it is, you actually  
8 touch a case and move it forward. You're in the  
9 pension world, you're in the legal instrument  
10 examiner world, you're a rater, you're a VSO, or  
11 you're in public contact, you're on the phone  
12 talking to a veteran. If you're not talking to a  
13 veteran or directly touching a case, you're  
14 considered overhead.

15 So I asked for exception for all of  
16 those job descriptions across the VBA, and it's a  
17 very specific list. And the argument is if DHA,  
18 the hospitals were declared to be an essential  
19 function and had to continue, therefore, they  
20 were excluded, but on the entry point, if I don't  
21 do my work, you can't get in to see a hospital,  
22 then we need to be on that same exclusion list,

1 because if you're not coming through us, you're  
2 not getting into the hospital, but the hospital  
3 is a critical function, therefore, we're a  
4 critical function, otherwise, we turn off the  
5 hospital's access point.

6 I think that's going to fly. I don't  
7 know. It's looking good right now. I'll let you  
8 know in another week or so. I'll find out. If  
9 we do that, we'll get right back on track with  
10 the hiring.

11 And, again, the hiring is only for  
12 those positions that are direct hands-on, so if  
13 we lose management, analysts, and other positions  
14 like that, those will stay, and won't get to  
15 rehire those.

16 Other matrix that I'm using. I use --  
17 it's a combination. We call it the Time & --  
18 "T&T," Time & -- what's the other T? Not Time &  
19 Material. There's a report that talks about  
20 based on the number of cases that I'm sending you  
21 to be done every day, how many of those that  
22 you're doing -- it's a productivity report?

1                   You've got 100 people --

2                   MEMBER PAMPERIN: Time & Turnaround?

3                   PARTICIPANT: Time & Task.

4                   MR. MURPHY: T&T is the acronym, Time  
5 and something. I can't remember what it means.  
6 It might be Time & Task, but it measures how many  
7 people do you have, how much work should you have  
8 done with those people, and then it just gives me  
9 every office on a chart, every single day, red,  
10 yellow, green.

11                   Green you hit your standard, yellow  
12 you were close, and red you just flat missed it,  
13 and then I click a button, and it rolls out at  
14 the district level, and I don't have to call  
15 regional offices. I call district directors now,  
16 "You were supposed to be this, you missed it by  
17 500 yesterday, what are you doing about that?"  
18 And --

19                   MS. MURPHY: Are you talking  
20 turnaround time?

21                   MR. MURPHY: Time & Turnaround?  
22 What's the --



1 MS. MURPHY: Turnaround time, T&T?

2 MR. MURPHY: Time & Turnaround. That  
3 might be it.

4 MS. MURPHY: Turnaround time?

5 MR. MURPHY: Time & Transaction, T&T.

6 MS. MURPHY: Time & Transaction?

7 MR. MURPHY: Yes. The transaction is  
8 I gave you, "Order exams for this individual."  
9 The transaction was you went in and you ordered  
10 the exams and you send it back to NWQ that night,  
11 so Time & Transaction report.

12 I look at that each day, and it comes  
13 up color-coded. And as I just scroll across the  
14 screen, it's getting to the point now where  
15 everything was red, now it's mostly green with a  
16 little bit of yellow here and there. And when I  
17 see a red, there's a phone call.

18 We're flying all of the district  
19 directors' staff in in two weeks to sit them all  
20 down and go through the -- they call it, "The In-  
21 Box Exercise." You come in in the morning and  
22 open up your screen and look at your reports,

1 what do you do?

2 And these are the folks that are  
3 driving the business for the district director.  
4 You should be looking at how many people are you  
5 assigned, how many showed up yesterday, how many  
6 hours of direct labor? You're paying each person  
7 to be working eight hours, but they only work  
8 four, how come?

9 And just that bleed of pulling off  
10 direct labor to go do other things has to stop,  
11 and that's how I get another 10 or 15 percent.  
12 We put a standard out that said, "No regional  
13 office across the nation is allowed to be below  
14 75 percent availability rate," so 25 percent  
15 excluded time.

16 And I'm hearing people screaming  
17 about, "Oh, that's just crazy, we can't do that,"  
18 and then I tell them, "That means that 500 hours  
19 a year they're doing not work, but we're paying  
20 them." Seventy-five percent is really rather  
21 generous, so we're tracking to that, and just  
22 looking at the behavior over the last four weeks,

1 it's gone from a whole lot of yellow to almost  
2 green everywhere with one or two that are not  
3 just because I started focusing on it and asking  
4 people why.

5           So how many -- how many people you're  
6 assigned, how many are on direct labor, and then  
7 how many are working for the hours that were  
8 paid, then I start looking at how many people are  
9 productive at the level to the standard that they  
10 have.

11           We just did new performance standards  
12 a couple days ago, last week. We also put a tool  
13 called, "The EPR," Employee Performance Report.  
14 Every employee can look at where they are against  
15 their standard every single day.

16           You come in and work and yesterday you  
17 had six hours of direct labor. It gives you 75  
18 percent of a day's -- you can look at it, and it  
19 gives you every day you're rolling back for  
20 months. "Here's your standard, you had six hours  
21 of direct labor, you should have done ten  
22 widgets, so you get 60 percent of 10."

1                   And it tells you, "You met your  
2                   standard/you didn't meet your standard." If you  
3                   work overtime, it adjusts your standard for the  
4                   day up, so you work 10 hours instead of 8, it  
5                   puts an extra 25 percent in there and it tells  
6                   you whether or not you are performing against  
7                   that number.

8                   And on that same screen, it tells you  
9                   what your training hours are. It tells you what  
10                  your quality numbers are. It tells you your  
11                  rework number. And then each -- across the top  
12                  of the screen, there's tabs. Every case you  
13                  touch, it's all right there. You click on it,  
14                  and everything you want to know about your  
15                  production is on one screen, total in the power  
16                  of the hands of the individual that they can see  
17                  every single day.

18                  No employee can come in and say,  
19                  "Well, I didn't know how I was performing, nobody  
20                  told me." This is pushed into your email box  
21                  every single morning. When you come in to work,  
22                  it's sitting there waiting for you.

1 Yes.

2 MEMBER ROBERTS: Question. It would  
3 appear that you all are really on top of things.  
4 Do you really know what's going on? Why is it  
5 every time, I pick up the newspaper, I see a  
6 black ice for the administration? It doesn't  
7 make sense to me.

8 MR. MURPHY: You know, I asked a  
9 reporter that one time when I was being nice and  
10 picked him up at the airport, and his response  
11 was, "Good news doesn't sell."

12 MEMBER ROBERTS: Oh, that old adage.  
13 It's true.

14 MR. MURPHY: Yes. That was his exact  
15 words. I said, "You know, we've done some really  
16 good stuff here. Why don't you come in and I'll  
17 do an interview with you, but you need to tell  
18 some of the good stuff we're doing?" He said, "I  
19 won't waste my time with that. Good news doesn't  
20 sell."

21 MS. MURPHY: Tom, you also asked us to  
22 focus on customer satisfaction and call center

1 feedback, so that's something else you might want  
2 to speak to.

3 MR. MURPHY: Let's go down to call  
4 center. Block call rate used to be 60 percent.  
5 In August, it was 60 percent, so let me just  
6 explain what that means, and then you'll really  
7 see the impact here.

8 We didn't kick a block call in until  
9 the whole time for the call hit two hours, then  
10 the next call that came in, we just simply hung  
11 up on you, the line just went dead after the  
12 waiting list got to two hours. Last month, we  
13 had a zero block call rate, and all calls were  
14 answered in less than a minute.

15 PARTICIPANT: That's great.

16 MR. MURPHY: Fifty-three seconds.  
17 After a long weekend, it bumped up to a minute  
18 and a half, two minutes time frame, but we're  
19 running in that sub-two minutes range all the  
20 time. The other goal we had -- the task was, get  
21 to under 30 seconds answer time.

22 MEMBER LOWENBERG: How did you drive

1 that change? It didn't just happen.

2 MR. MURPHY: I hired 300 people. Yes.

3 And, look, this is what happened. It was really  
4 that simple, okay. Now, there's a whole process  
5 that comes with getting 300 people hired and  
6 credentialed and trained and computers and desks,  
7 that's a whole other nightmare, so it took months  
8 to do, but it was -- we threw bodies at it.

9 And here's what happened. In August,  
10 it was 950,000 calls came in in the course of a  
11 month, and the block call rate was 60 percent.  
12 We put extra bodies in. By the time we got to  
13 October, we were down less than two minutes. The  
14 block call rate was gone on all but one or two  
15 days. The abandoned call rate was, I don't know,  
16 three percent, four percent, meaning I was on  
17 hold during that minute, and then hung up and  
18 walked away.

19 And our call volume dropped to 175,000  
20 calls, so just do the math on that, each veteran  
21 called six times over the course of the month,  
22 right, because the call -- and it's staying

1 steady below 200,000 rate.

2 MEMBER FAY: I can tell you compared  
3 to the commercial world, right, those are  
4 excellent numbers. We're in call centers for  
5 commercial claims organizations, and having  
6 abandonment ratable three or five percent is  
7 excellent, and to have a wait time of less than a  
8 minute is standard.

9 MR. MURPHY: I just went back -- the  
10 standard that Deputy Secretary Gibson put in  
11 there was 30 seconds with less than 5 percent  
12 abandoned call rate. And I just went back and  
13 explained to him, I said, "I can get you to 30  
14 seconds. It's going to cost you another 300 FTE  
15 or \$30 million a year. However, is the juice  
16 worth the squeeze here? Because all indications  
17 we're getting from the veteran, I'm happy with  
18 56-second answer time in the abandoned call  
19 rate."

20 You got a whole other question about  
21 when I do get somebody on the line, am I  
22 satisfied with the answer I get? But that's a



1 different conversation. Do we really want to  
2 spend that much, or can we take those 300 people  
3 and put them over here and turn 100,000  
4 backlogged into 70,000, 60,000, 50,000?

5 MEMBER FAY: My suggestion is that  
6 just goes to the, to the culture of the  
7 organization and starting the culture with the  
8 first phone call, and getting the right mind set  
9 in the veteran's mind relative to service. My  
10 belief is it's well worth your investment to take  
11 care of the call center issues.

12 MR. MURPHY: To get it down to 30 or  
13 the investment we made to get it down?

14 MEMBER FAY: The investment you made  
15 to get it down to a minute. Whether or not the  
16 extra 30 seconds is worth it or not, I cannot  
17 tell --

18 MR. MURPHY: I argued for we can  
19 guarantee a less than two minutes with the below  
20 five percent. We're doing it. We got some  
21 lessons out of this. Before we just knew it was  
22 block call.

1                   Here's the other lesson. After a  
2 three-day weekend, we see a 50 percent increase  
3 in call volume, so we adjusted the way we're  
4 hiring people. We brought some part-time in, we  
5 put some flexes in, and we started loading  
6 holidays after big sporting events, Super Bowl,  
7 other big events like that, we also plussed it  
8 up, so we managed, even at that time, the call  
9 time, the hold time only went up to four minutes,  
10 so we started adjusting our people so that we're  
11 now staffing a phone center to the expected call  
12 volume. We've never been able to do that before.

13                   MEMBER FAY: So that brings me to the  
14 question that I had, which was, I don't know if  
15 you remember, Tom, but you came to when I ran the  
16 C&A Claims Organization.

17                   MR. MURPHY: I do, yes.

18                   MEMBER FAY: You came and we showed  
19 you our predictive analytics' capabilities and  
20 our data finding capabilities, and what you just  
21 talked about, about knowing when the calls were  
22 going -- that all goes to predictive analytics.

1           So you could just talk a little bit  
2           about what's the VA going to do into the future  
3           to use such things as predictive analytics and  
4           data mining in a whole process, not just a call  
5           center, but in how you handle claims and how do  
6           you predict which claims are going to in which  
7           direction, which claims are going to have to --  
8           which claims are going to result in an appeal  
9           rather than not result an appeal, those types of  
10          things? Who's working on that?

11                 MR. MURPHY: We got FFRDC, MITRE  
12           Corporation. They've got some really, really  
13           smart guys. These are the kind of guys that they  
14           don't know enough to handle the reign, but  
15           they're pretty -- right?

16                 We gave them everything we have  
17           already in data for the last 20 years. We  
18           sterilized it so it doesn't have the right  
19           information in it and they can't correlate it  
20           back to a person, but -- and we have the ability  
21           that when I pull that data back from them, I can  
22           turn it back into people again.

1           But I gave them this data under a big  
2 data analytics' contract, and they did come back,  
3 and the first term we were using was called,  
4 "Statistical Adjudication," and now we're talking  
5 a statistical support tool. And the idea being  
6 doing just what you said.

7           Well, I have 20 years of data on  
8 everything we've done for somebody. I have the  
9 ability now to look at, "You were 22 here, you  
10 filed here, you did this, the outcome is here."  
11 And they did three body systems. One of them was  
12 knees. And I didn't say anything to them about  
13 how it all works. I just said, "Map this whole  
14 thing out."

15           And they came back in here and said,  
16 "This thing -- it doesn't make any sense. We did  
17 this analytics," and they started saying, "We can  
18 predict 85 percent accuracy on this type of claim  
19 when it comes in the door what the outcome is  
20 going to be, but we don't understand why this  
21 person is going along, it increases, and then it  
22 spikes to 100 percent, and then it automatically

1 just drops down to 30 percent and stays there."

2 And I said, "I'm sure glad you brought  
3 that up. It's called, 'Knee replacement  
4 surgery.'" Then he asked me some questions about  
5 the rule. He said, "Well, here it is," and he  
6 mapped it right on your chart. That's what I  
7 said, "Okay, this isn't smoking mirrors. It's  
8 something to deal with."

9 He did the same thing with hearing  
10 loss, a couple other conditions, and we fed him  
11 more data, and we have them doing more. And what  
12 I have them looking at right now is, if you look  
13 at, there's a combination of five conditions that  
14 occur most frequently. And those five conditions  
15 occur in some form in 80 percent of the claims  
16 that come in.

17 If I get them to give me the  
18 predictive analytics on those conditions, after  
19 we get some refinement data and we figure out  
20 exactly what the triggers are, I should be able  
21 to have an individual command and determine what  
22 the outcome is going to be when you first tell me

1 who you are and what you're claiming.

2 With the data that we have, I think we  
3 can do that into the high 90 percent accuracy.  
4 It all depends on -- right now, we can do that  
5 with hearing loss. We can do it with knees.  
6 Depending on how -- I want to do it so that I'm  
7 only looking at two percent of the conditions  
8 that come for the knee, I can do that at 98  
9 percent accuracy.

10 If I want to look at an 85 percent of  
11 the ones that come in -- and so it all changes.  
12 It's a sliding scale, and you just come across  
13 the bottom and there's the -- you get an idea of  
14 where you're at.

15 But the tool that we can use in the  
16 short-term is with those conditions, I can run  
17 that as a parallel system, I'll run you through  
18 the regular process, and then I use this as a  
19 checking device. If you came up with something  
20 different than this, you've got a problem, and  
21 then that allows us to put some reassurance that,  
22 "Hey, we have the right thing."

1                   And when you do exception reporting,  
2 we know, "Stop that case, do a second signature  
3 on it, have another set of eyes look at it,  
4 because there's a high probability that there's  
5 an error in there," and then we can drive the  
6 quality up.

7                   MEMBER FAY: We found you can never  
8 take the human out of it entirely.

9                   MR. MURPHY: Right.

10                  MEMBER FAY: There always had to be a  
11 fail/safe that no matter what the system was  
12 telling you, there always --

13                  MR. MURPHY: The visit to your company  
14 and a couple of others that we hit, we made the  
15 rounds around the country, is the reason why we  
16 had the checks and balances, because we learned  
17 lessons from your guys that said just that. You  
18 got to have that human factor at the end to say,  
19 "Does this pass the smell test, yes or no?"

20                  And then the other part of it is  
21 people get really nervous when you say, "We're  
22 just going to let the machines make decisions

1     like that." And, okay, so we'll just use this as  
2     a decision support tool so that I have the  
3     ability to say, "Something's wrong here, pull  
4     that one out and have another person look at it."

5             So we actually got somebody turning  
6     one of the MITRE analytics into a desktop tool so  
7     that we can practical application of that. What  
8     they have done is they come back after six months  
9     a couple of times and they've taken the new  
10    rating data and ran that data against their  
11    support tool to see is their model accurately,  
12    they tweaked their model a little bit depending  
13    on what their seeing.

14            MEMBER FAY: Yes. So as the ratings  
15    changed, you should be able to, based on past  
16    data, what -- how's that going to change the  
17    numbers, right?

18            MR. MURPHY: Yes. We should see -- we  
19    should be able to see the change in there, but  
20    what really nailed it for me was they had no idea  
21    about knee replacement, and then they come in and  
22    they point it out on the chart.



1 I actually told Dr. Shulkin when he  
2 was still Under Secretary of Health, "Look, I can  
3 tell you how many knee replacement surgeries  
4 you're going to do in a decade." He said, "Wow!  
5 What do you mean? How can you do that?" Once I  
6 explained it to him, he looked at the guys at VHA  
7 and said, "Are you getting this data from him,  
8 because we know how many doctors we have to have  
9 ten years from now with this information?"

10 And so others are catching on. And we  
11 wrote this big data analytics' contract broad  
12 enough so that anybody else in VHA can come in  
13 with a little bit of money on a task order, put  
14 their data in, and they'll look at it as well, so  
15 I'm pretty impressed. Those guys are -- they're  
16 pretty sharp on the big data analytics.

17 House subcommittee hearing next week.  
18 Oh, no, we did that one. Yes, that was a bad  
19 meeting. I made a big mistake. That was an  
20 amateur move on my part. We got down with the  
21 hearing table, and I left.

22 MEMBER FAY: You did go up and --

1                   MR. MURPHY: I did. I had to go back  
2 and eat a big giant piece of humble pie twice,  
3 once with the subcommittee chairman, and once  
4 with the ranking member. I told them both. I  
5 said, "I will never make that mistake again. I  
6 will be there from gavel to gavel from now on, so  
7 you can put me first or last or whatever, but  
8 next time somebody comes up and says something  
9 like that, please call me back to the witness  
10 table, because I would like to rebut what they  
11 said, and seeing how I didn't now, let me tell  
12 you," and I walked through some of the comments  
13 that this is what was said, here's the rest of  
14 the story. And they said, "Well, we'd like to  
15 have you back in a couple of months to go over  
16 this again." "I look forward to it. Thank you."  
17 So we'll have another hearing probably in the  
18 summer.

19                   CHAIRMAN MARTIN: So we have two  
20 people online teleconference.

21                   Bird or General Granger, any other  
22 comments for the Under Secretary?

1                   MEMBER GRANGER: I just want to thank  
2 you, Tom. This is Elder Granger. Thank you for  
3 helping out with that veteran a week or so ago.  
4 Everything is on track, so thanks a lot.

5                   MR. MURPHY: You're welcome.

6                   That's it? We're ahead of schedule.

7                   CHAIRMAN MARTIN: It's a great  
8 pleasure to have you here. We appreciate your  
9 time. Thank you very much.

10                  MR. MURPHY: Thank you.

11                  CHAIRMAN MARTIN: I know your calendar  
12 is busy these days.

13                  MR. MURPHY: Yes, it's kind of crazy  
14 right now.

15                  CHAIRMAN MARTIN: Thank you.

16                  MR. MURPHY: Thank you.

17                  DR. VVEDENSKAYA: All right. I shall  
18 introduce to you our next speaker, Compensation  
19 Service Director Beth Murphy.

20                  MS. MURPHY: Hello, everybody. I'm  
21 Beth Murphy. I'm the compensation service  
22 director. You might have seen McCoy as my last

1 name in the past, so I'm the same person, just a  
2 different situation in life.

3 And, George, I knew you looked  
4 familiar. I was out there as well, and I was  
5 like, "Oh, I know that guy," so it's nice to see  
6 you again.

7 MEMBER FAY: Nice to see you.

8 DR. VVEDENSKAYA: Did you have a  
9 chance to meet our committee chairman, General  
10 Martin?

11 MS. MURPHY: Thank you.

12 PARTICIPANT: You may have seen me in  
13 your formal life.

14 MS. MURPHY: I think so probably.

15 So having been on the operation side  
16 for a bit now, I'm in the policy, procedure,  
17 training, quality, exam management side of  
18 things. And I wanted to be here, so thanks for  
19 inviting me. I wanted to be here when Tom spoke,  
20 because I just -- you never know, you don't just  
21 want to repeat. You want to supplement what the  
22 boss says.

1           So I'll get right into it. I'll make  
2 a few remarks to supplement what Tom talked  
3 about, and then I'll just open it up for any  
4 questions you have.

5           So I want to talk a little bit about  
6 the exam contract. I know that you'll have some  
7 of my folks here tomorrow to talk about that, but  
8 just to frame it up in like a big picture  
9 historically.

10           So we have done, we, VBA, comp service  
11 has been in the exam contract to exam business  
12 since about 1998. First, we had authority to do  
13 contract exams through ten regional offices, then  
14 a couple of years ago that was expanded to 12  
15 regional offices, last year, we had authority to  
16 order through 15 regional offices, and as of this  
17 fiscal year, beginning of 20 -- FY17, we can --  
18 we have the authority to order through any of our  
19 regional offices, all 56 locations.

20           So that gives us more flexibility, and  
21 we like to be nimble. We have a lot of  
22 nimbleness with our National Work Queue, our

1 paperless processes, just continues to take it to  
2 the next level.

3 MEMBER LOWENBERG: Is there a cost-  
4 effect or a cost impact of expanding contracting  
5 for exams?

6 MS. MURPHY: Well, I think there -- so  
7 we're talking about two different sources of  
8 funding too. Ours has been primarily a mandatory  
9 funding contract and discretionary on VHA side.

10 Also, I think from the coordination  
11 effect, once we get there and once we get this  
12 contract off the ground and through all the  
13 protests and the appeals, then we'll kind of be  
14 the overall contracting view from one  
15 organization's standpoint, so synergy and owning  
16 the whole contract piece.

17 I would say generally, overall VHA  
18 historically has, internally had the capacity to  
19 complete about 60 percent of the exams that, exam  
20 -- C&P exams for veterans. On their side of the  
21 house, they've also had contract authority under  
22 discretionary spending, and they supplemented, it

1 was about 20 percent of exams that they did under  
2 their contract.

3 So in total, VHA, either internally or  
4 with their contract, took about 80 percent, they  
5 managed about 80 percent of the C&P exams that  
6 were completed. DVA side, ours was about 20  
7 percent, so the other 20 percent.

8 So with this new contract, the  
9 internal VHA capacity isn't intended to change.  
10 We still let them use their 60 percent internal  
11 capacity. We take all of the contracting under  
12 our side, so the external kind of around the  
13 edges, the extra 40 percent, we manage.

14 So the tool that Tom talked about, the  
15 ERRA tool, is a tool that is fed with VHA data on  
16 a daily basis -- well, even more frequently than  
17 that, and our claims processors open up that tool  
18 if they need to order an exam, and it tells them,  
19 it directs them, "VHA has capacity to take this  
20 sort of examination in this location, so send it  
21 to VHA." If they don't, it then directs the  
22 claims processor to order it from a vendor.

1           It's as simple as that. We try first  
2           to send it to VHA, because we want to make good  
3           use of our internal VA capacity and that we  
4           supplement with a contract.

5           I will say that that has been a  
6           learning experience to figure out where they have  
7           the capacity and keep up with that, and then  
8           supplement with the exam, but we're becoming more  
9           fluid all the time.

10          We have -- we have maintained steady,  
11          pretty steadily the cancel, exam cancellation  
12          rate that we had previously. We had a little bit  
13          of a spike as we were figuring this out, but it  
14          settled back to where it has been historically.

15          There are cancellation reasons, such  
16          as the veteran can't make it, you know, snow,  
17          something happened, the doctor didn't make it,  
18          you know, the equipment wasn't available. There  
19          are various reasons for cancellations, so that  
20          has, that has started to level back out.

21          MEMBER LOWENBERG: Will your ability  
22          to contract for exams be affected at all by



1 continuation of the CR --

2 MEMBER SIMBERKOFF: What CR?

3 DR. VVEDENSKAYA: Continuing  
4 resolution.

5 MEMBER FAY: Continuing resolution.

6 MEMBER PAMPERIN: It shouldn't if it's  
7 mandatory funding.

8 MEMBER FAY: Okay.

9 MS. MURPHY: Right. And right now,  
10 we're still operating under our bridge contract,  
11 so this is our interim solution while the pull-up  
12 contract is still going through protest and now  
13 appeal.

14 MEMBER SIMBERKOFF: You said earlier  
15 that you have the ability to contract out at all  
16 of the regional offices. What percent are you  
17 actually doing it as? Is it -- are you actually  
18 using the contract throughout the regional  
19 offices who are still expanding into --

20 MS. MURPHY: So we have turned it on.  
21 We've flipped the switch in every regional  
22 office. All the claims processors and all the

1 regional offices use that tool before they order  
2 an exam. They go in and they say, "Can VHA do it  
3 first?"

4 And if VHA can't do it, they don't --  
5 for whatever reason, their radiologist is  
6 pregnant and went on a maternity leave, you know,  
7 for whatever reason. If they can do it inside in  
8 VHA, we try to send it to VHA. If not, then we,  
9 then we direct it secondarily to the contract  
10 vendor.

11 So different locations have different  
12 internal capacity. Sometimes they lose folks and  
13 they don't put them behind them as quickly,  
14 hiring freeze, you know, whatever the impact is,  
15 we just follow VHA's internal capacity.

16 MEMBER SIMBERKOFF: Beth, and I'm not  
17 saying that this is a bad thing, but is there a  
18 potential here that hard to fill specialties like  
19 neurology that will by default go to contract?

20 MS. MURPHY: We follow VHA's internal  
21 capacity. If there -- there are different places  
22 in the country that it's really hard to keep

1 different specialties hired up. And we're most  
2 concerned to making sure the veteran gets the C&P  
3 exam when necessary, and we're just going to  
4 supplement what VHA can't do.

5           So we have some visibility. I would  
6 say we have about like front the car length.  
7 Indication sometime if they're not going to have  
8 the capacity, so it's a little bit of we're  
9 chasing that capacity, but having that data feed  
10 from VHA at all times, and a communication of,  
11 "Hey, this is happening, we're losing somebody  
12 here," that's important.

13           Now, it's also important because with  
14 National Work Queue, we are more fluidly moving  
15 work around the country, so that case -- that  
16 right next case that's ready to work, could be  
17 sent to any regional office that has capacity.

18           MEMBER SIMBERKOFF: But the veteran  
19 can't go anywhere.

20           MS. MURPHY: That's correct, but it's  
21 still --

22           MEMBER SIMBERKOFF: So I mean the

1 veterans are tied to their -- wherever their  
2 geographic care is.

3 MS. MURPHY: Absolutely, but if, you  
4 know, if you're a veteran who's here in Virginia,  
5 your claim could be picked up and opened up, you  
6 know, in the system by somebody in Montana. That  
7 Montana claims processor will say, "Michael needs  
8 an exam," so he will, he or she will go in the  
9 system, look to see, "Does -- does the Virginia  
10 facility closest to you have capacity? If so,  
11 we'll send you to VHA. If not, "We'll send you  
12 to a contract vendor that is in close proximity."

13 So the reason I'm saying this is that  
14 when historically wherever the state you lived  
15 in, usually your home regional office was the one  
16 that did all that work for you, and they became  
17 familiar. They knew the facilities. They had  
18 the, the local relationships.

19 That's almost impossible to maintain  
20 when you're talking the entire country. So  
21 that's why we needed to build this tool to help  
22 the claims processor wherever they are in the

1 country who opens up the next case to work, they  
2 know how to order the exam anywhere in the  
3 country for that veteran.

4 MEMBER SIMBERKOFF: One of the factors  
5 that, that the facilities have, the VHA  
6 facilities, is that they have the multi-specialty  
7 group already at that site, and if a veteran  
8 goes, for example, to a contractor, would he have  
9 -- if an exam needs to be expanded to include  
10 things more beyond what was originally thought,  
11 would the contractor have that similar capacity?

12 MS. MURPHY: It depends on the  
13 location and what they need. And not every VHA  
14 facility has every single type of exam able to be  
15 done right at the same place. There are times  
16 when they have to go to different places as well.  
17 The more specialized the clinical requirement is  
18 for the examination, they might have to go to a  
19 couple different places or they may have to come  
20 back.

21 MEMBER ROBERTS: One of the issues  
22 that we hear all the time is that it takes a long

1 time for the veteran to get mental health  
2 services. Could that be because of a regular  
3 compensation in order to pay contractors that you  
4 can't contractors get psychiatrist and other  
5 kinds of specialists?

6 MS. MURPHY: Well, I can't speak too  
7 much for VHA, because I don't know a lot about  
8 how they decide how to staff, who does, who does  
9 what for them. What I can say is that,  
10 generally, it's my understanding that VHA has  
11 these folks over here who tend to do the actual  
12 clinical treatment, and then a different set of  
13 folks over here who tend to do the forensics C&P  
14 review assessment exams.

15 Now, sometimes there'll be some  
16 sharing. I think as VHA has situations where  
17 they need more mental health practitioners, and  
18 they've had to hire them over the years, it's not  
19 one-size-fits-all. And if they have to borrow  
20 from their C&P exam unit, they're going to do  
21 what they have to do to treat veterans and keep  
22 them healthy and happy and thriving.

1                   MEMBER SIMBERKOFF: So the question  
2                   that Member Roberts was asking is, now, it is  
3                   difficult to hire practitioners in certain  
4                   specialties in certain areas. So how does -- how  
5                   does VBA do that if VHA can't?

6                   MS. MURPHY: Well, VBA hires a  
7                   contractor and they go out and do what they have  
8                   to do to see if they can take care of that  
9                   business that we send them in that location.

10                  MEMBER SIMBERKOFF: So just, just for  
11                  the example of mental health, you've been -- in -  
12                  - in Bismarck, North Dakota, you know, if you  
13                  can't -- if there's a shortage of mental health  
14                  providers, can VBA find them if VHA can't?

15                  MS. MURPHY: Well, again, I'm not  
16                  hiring them as VBA employees. We're -- we are  
17                  contracting out with a provider who can then go  
18                  and do what they have to do to do that. It could  
19                  be a brick and mortar facility that they stand  
20                  up. It could be a local tenant sort of model  
21                  that VHA has used. I mean, they might fly them  
22                  in temporarily.

1 DR. VVEDENSKAYA: That's what I was  
2 going to say that -- yes. I cannot speak for  
3 VHA, but -- because I went and got board  
4 certified as an independent medical examiner, and  
5 our auditorium had about 500 folks almost the  
6 physicians, some PAs, who do forensic medical  
7 exams for various reasons, not VA's industry.

8 And that's what they're saying to  
9 remote locations to the locations where there is  
10 a shortage of certain specialties, QTC or any  
11 other contractor, we'll just fly them in, and  
12 that's what they're going to do, yes.

13 And in terms of the mental health  
14 providers, unfortunately, as all physicians, I  
15 think, there is a huge shortage of physicians and  
16 social workers, and it's hard to recruit actually  
17 medical students to go to a psychiatry resident.  
18 It's unfortunately nationwide, not really  
19 specific --

20 MEMBER SIMBERKOFF: I thought it may  
21 be related to compensation. If you aren't  
22 willing to pay, for example, psychiatry who got



1 the money. Obviously, you can't hire them,  
2 because their contractor won't. And sometimes,  
3 the government tends to be naive in terms of what  
4 it wants to pay people to do things.

5 MEMBER PAMPERIN: My experience is  
6 data to be sure, but one time when I went on a  
7 site visit to QTC, they -- they mistakenly left a  
8 three-binder in the office that they planned this  
9 in, and it had their fee schedule.

10 MS. MURPHY: And it just happened to  
11 fall on the floor, right?

12 MEMBER PAMPERIN: It just happened to  
13 fall on the floor. And the doctor who was with  
14 us said, "It was about 20 percent better than  
15 Medicare and payments were pretty decent."

16 MEMBER SIMBERKOFF: That's the answer.  
17 And contractor, is his license good anywhere?

18 DR. VVEDENSKAYA: That would -- all  
19 depends on what kind of contract they have, yes.

20 MS. MURPHY: That's a medical --  
21 that's on the contract and that's --

22 DR. VVEDENSKAYA: Yes.

1                   MEMBER PAMPERIN: The vendor has to  
2                   credential the person that they can practice in  
3                   that area.

4                   MEMBER SIMBERKOFF: Oh, okay. So you  
5                   can -- so if you apply in South Dakota, you can  
6                   practice in South Dakota.

7                   MS. MURPHY: So one of the things I  
8                   wanted to point out is, it's funny, so I've been  
9                   -- I'm coming up on 23 years in VBA, and I would  
10                  say in the last five years, we have rocketed  
11                  forward in our technology and our ability to be  
12                  nimble and our data mining that we've done and  
13                  just -- we -- I was -- I was telling someone the  
14                  other day that folks are asking us, folks like  
15                  you, Congress, VSOs, are asking us questions now  
16                  that they wouldn't have even asked us two or  
17                  three years ago, because we had no chance of  
18                  answering them.

19                  So now, we have better data, better  
20                  tools. And you've heard a lot of what Tom was  
21                  talking about, so our bureaucratic kludginess is  
22                  kind of being supplemented with some coolness.

1 Like we're just -- we're getting glimmers of  
2 being cool.

3           You know, no paper -- no paper. You  
4 know, we scan everything. If we don't get it  
5 electronically, we move it around fluidly, we're  
6 utilizing different sorts of systems and  
7 techniques that we haven't before, so that little  
8 bit of coolness is contagious.

9           And our field folks and people in  
10 headquarters are coming up with ideas, and,  
11 "Please add this to the system, automate this,  
12 put this check and balance in." We have -- I  
13 have a list -- we -- VBA has a list probably five  
14 arm's length long of things we would build into  
15 our systems tomorrow if we had enough bandwidth  
16 to do it.

17           And that is kind of frustrating  
18 sometimes because then we're stuck picking what  
19 goes in next among 20 things that all should be  
20 going in next.

21           I think there's a question in the  
22 back.

1                   MR. GAMMONS: Yes. So I'm more like  
2 a VA right now, but on the civilian side, I'm a  
3 disability rater at 317 in St. Pete. So the ERRA  
4 tool is a fantastic tool as a rater, but my  
5 question is, are we doing anything to better  
6 train the physicians?

7                   One thing that a lot of raters get is  
8 we get better things back from VHA than they from  
9 the contractors, and just seems to be sort of a  
10 training thing because we'll get back an exam,  
11 and it's not completely filled out or it's not --  
12 it doesn't give us what we need to actually rate  
13 it, so then we have to request an addendum, send  
14 it back, sometimes request a different examiner,  
15 and that happens at VHA sometimes, but it happens  
16 a lot more with contractors.

17                   So is this a trend that you all are  
18 seeing at this level and is there anything being  
19 done to kind of address that?

20                   MS. MURPHY: So I think, historically,  
21 VHA has had the responsibility of doing the  
22 training about how to fill out DBQs internally

1 and providing those same materials externally.  
2 It's our intention in my shop that once we get  
3 everything stood up and have a real contract and  
4 have all of our staffing and get out of this  
5 hiring freeze that --

6 MEMBER SIMBERKOFF: We never have  
7 trained external people.

8 MS. MURPHY: Well, we provide the same  
9 training materials to them that we, that we  
10 prepare for our own folks.

11 MEMBER SIMBERKOFF: Maybe it's --

12 MS. MURPHY: Well, that's what VHA  
13 tells me, but it's our intention that we are  
14 going to, and deviate, take over the, both the  
15 ownership of updating the disability benefit  
16 questionnaires themselves, which VHA currently  
17 does, and doing, preparing the training materials  
18 and pushing out the training materials to support  
19 the vendors.

20 DR. VVEDENSKAYA: And may I supplement  
21 your answer to you, sir? If you will have an  
22 opportunity to join us tomorrow, Ms. Pam Miller,

1 who is in charge of contract exams for DVA, will  
2 be presenting. And this is an excellent question  
3 for her, because it's more about the mechanics,  
4 and Ms. Miller would be able to answer that  
5 question for you tomorrow for sure 100 percent.

6 MR. GAMMONS: And in general, just a  
7 caveat, it just seems to be a familiar area with  
8 DBQs and, you know, it can frustrating because  
9 that just increases the timeline where we have to  
10 go back and provide options. Thank you.

11 MS. MURPHY: Sure.

12 And then Ioulia is also kind of  
13 nudging me probably nicely to like move on to  
14 other topics, because there are folks that will  
15 cover that tomorrow.

16 I wanted to mention though that we're  
17 using two -- a product that was really a  
18 financial accounting system as an interim  
19 solution to order some, these exams until we can  
20 get all of the linkups between the vendors and  
21 VBMS.

22 So, you know, the coolness that we

1 want to have is a little bit stifled by the  
2 ability of systems and support to get us there,  
3 so there's more automation, more linking between  
4 systems, adding some fail/safes in as far as, you  
5 know, prompts to raters to say, "Hey, this  
6 situation is here, did you remember to check  
7 this, and are you sure you want to add this,  
8 don't want to add this, you know, extra schedule  
9 or stuff in?"

10 We'll get there. It's just -- it's  
11 just a slower process than any of us would like  
12 it to be.

13 MEMBER FAY: So can I suggest that you  
14 will never -- once you get into this world, it  
15 never stops.

16 MS. MURPHY: You're right, it never  
17 stops.

18 MEMBER FAY: I mean, the innovation  
19 that you will find that's just opening the doors,  
20 and so it's all, you know, process improvement  
21 and continuous process improvement, and so that  
22 leads me to my question, which is, how much

1 communication is the management level having with  
2 the worker level to let them know that the world  
3 is changing and they need to be getting  
4 themselves prepared for the world to change,  
5 because their jobs as they know them today, what  
6 they do at 8:00 to 5:00, right, is not going to  
7 be the same in two years, three years, or four  
8 years, and they need to start thinking about, and  
9 VA needs to starts helping them think about the  
10 new world and how are they going to get ready for  
11 it, because I know VA, like most organizations,  
12 have a lot of people that are used to doing the  
13 same thing day in and day out in their jobs,  
14 haven't changed very much, right.

15           These new capabilities, I think is  
16 going to lead to significantly different ways of  
17 doing the work. What kind of work is -- I heard  
18 about the MITRE Corporation from Tom, right. Is  
19 there similar things going on in how you actually  
20 process work or communication with the employees?

21           MS. MURPHY: Before I answer that, I'd  
22 like to check in with a gentleman in the back of



1 the room.

2 Has your job changed much in the last  
3 two or three years?

4 MR. GAMMONS: It has. I don't think  
5 it's, that's a huge issue. I've been with the VA  
6 for 10, 11 years now, and they do a good job of,  
7 I guess, messaging when things are about to come  
8 down the pipe. And beforehand, it was most  
9 things, like implementation of VBMS or exam or  
10 anything else that comes.

11 It's really on-the-job training until  
12 you, like you do some training for it, but until  
13 you're using the system and getting into it,  
14 that's when you really figure out the kinks and  
15 how it works, so they do a good job, I think, of  
16 pushing out what to expect, but until the big  
17 changes kind of go into effect, that's when we  
18 kind of learn --

19 MEMBER PAMPERIN: But the question  
20 really -- the question really is, and I don't  
21 mean this as a disparagement at all, but, I mean,  
22 if the reliance is always on what kinds of

1 improvements the workers would like to see, as  
2 opposed to what is capable of being done, I mean,  
3 that's the thing where, you know, when you're in  
4 the trenches every day, your area of influence  
5 and your control is fairly small. And maybe you  
6 don't realize that there are certain kinds of  
7 things that don't need second signatures, don't  
8 do this, don't do that.

9 MS. MURPHY: Well, and to that point  
10 too, Tom, there's a quote from Henry Ford that I  
11 love. It's something along the lines of, "If  
12 I've given people what they wanted, I'd have  
13 given them faster horses." You know, so that  
14 idea that to think bigger than just what you know  
15 and see what the possibilities are beyond just  
16 what you have been doing for, you know, 5 or 10  
17 or 11 years, those are the things that we're  
18 trying to prioritize, so, you know, the big  
19 picture impact, and then really there's -- and  
20 this is -- there's always the smart people on the  
21 ground who -- we can't get there fast enough,  
22 they build their own workarounds, and then we take

1 some of those workarounds and we locate them into  
2 the system.

3 MEMBER FAY: What we did was, excuse  
4 me, we set up an office of the future, right, so  
5 we put all the new technology and put it in one  
6 place, and then fictitiously ran offices for two  
7 years and figured out new systems, new  
8 methodologies. It eliminated jobs. It created  
9 new jobs. It changed the way people did business  
10 on claims dramatically.

11 We went from 47 offices to 3 offices,  
12 radical changes, right. So that, when I say,  
13 "Does the world know that that's coming where you  
14 can't avoid those kinds of changes?" how much --

15 MS. MURPHY: No. That's true, but we  
16 also operate in a different, the echo system than  
17 you have in private industry.

18 MEMBER FAY: I know, and it takes  
19 Congress to close an office, I get that, right?

20 MS. MURPHY: Yes. Right.

21 MEMBER FAY: But at some point in  
22 time, these -- the productivity enhancements are

1 mind-boggling.

2 MS. MURPHY: Sure. And I think that  
3 there -- there's also another long list of things  
4 that we wish we did better. And just because we  
5 have 56 regional offices or places that veterans  
6 go around the country, doesn't mean they all have  
7 to be processing claims.

8 So those are some of the questions  
9 we've been asking. So you still have -- again,  
10 back to your point, you have to examine the  
11 veteran where they live, you have to provide  
12 locational rehabilitation and counseling where  
13 they live, you have to have a public intake,  
14 public contact location where they live, but that  
15 doesn't mean we have to process claims  
16 everywhere.

17 In fact -- no, I think we would hanker  
18 to have more places where veterans could come see  
19 us in the communities rather than, you know, in  
20 Ohio. I'm from Ohio. We have one regional  
21 office in Cleveland. Everybody else in the whole  
22 rest of the state is kind of out of luck if they

1 want to go to, you know, in-person to a regional  
2 office. Just so to set up more places around the  
3 country, partner with with where VHA is, --

4 MEMBER FAY: So we all get the concept  
5 of eliminating the brick and mortars to the  
6 extent possible, but, again, you know, there's a  
7 tradeoff of, you know, again, where things can be  
8 done most conveniently for the veteran versus  
9 where it can be done most efficiently, --

10 MS. MURPHY: Sure, but --

11 MEMBER FAY: -- you know, for -- to  
12 get the --

13 MS. MURPHY: But I'll tell you right  
14 now, even under brick and mortar --

15 MEMBER FAY: -- the entire thing  
16 weeded.

17 MS. MURPHY: You go to a regional  
18 office, and there are a lot of empty desks these  
19 days. We gave back a lot of space for empty file  
20 cabinets, and we have -- I haven't checked  
21 lately, but I would say at least half of the  
22 employees work from home part- or full-time, so

1 they're already virtual to their own regional  
2 offices for half the time, and we can take it  
3 from there.

4 DR. VVEDENSKAYA: May I just  
5 interject?

6 MS. MURPHY: Sure.

7 DR. VVEDENSKAYA: To put the  
8 committee's heart at ease, because we didn't have  
9 as a committee to get acquainted with Beth Murphy  
10 that much, I just wanted to let you know that  
11 Beth was the regional office director for years  
12 in Pittsburgh, and she comes to Comp Service from  
13 the Office of Field Operations, meaning she has  
14 hands-on experience on how to communicate with  
15 her employees on the regional office level, and  
16 also the national office level. I just wanted to  
17 bring up this part of her work history this way  
18 you understand that Beth does come from the  
19 hands-on kind of experience.

20 Back to you.

21 MS. MURPHY: Thank you.

22 And we have had some practice with

1 change management in the last five years in all  
2 of the things we've done, and our brains are open  
3 wide to other possibilities. And as you know  
4 rather than to try to make it up ourselves, we go  
5 to others out in the community to see how, see  
6 how it's done and what the successes are and  
7 learn from that.

8 A couple of other things. I just want  
9 to throw this out. It might be something  
10 different than what you would expect a Comp  
11 Service director to talk about, but it's  
12 something that I feel very strongly about, so I  
13 just wanted to share it with you.

14 We -- I have a conference, a training  
15 event twice a year with our service center  
16 managers, so these are the heads of the claims  
17 processing division and compensation across the  
18 country. And, so this was my first conference in  
19 January for those folks.

20 And part of the agenda included a  
21 segment on suicide awareness and prevention. It  
22 is one of the breakthrough initiatives or

1 management initiatives for the Secretary, and  
2 it's something that is very much on the  
3 forefront.

4 And it started probably almost a year  
5 ago where, where we heard that suicide awareness  
6 and prevention was part of the initiatives and  
7 they were staffing up that office. I think the  
8 VBA side has usually looked at it, "Well, that's  
9 a VHA thing. That's what VHA takes care of."

10 And at one of our leadership  
11 conferences, we said, "You know what? Fifty,  
12 almost fifty-five percent of our employees are  
13 veterans, they have difficulties, we work with  
14 veterans every day, and we need to go beyond just  
15 public contact and the call centers and suicide  
16 awareness."

17 So we had initial training. We had  
18 VHA come over and talk to us about, for about an  
19 hour and a half. I'll tell you, I think it's  
20 something we're going to continue on the VBA  
21 side. I said, "Look, VHA has 330-some-thousand  
22 folks, we have 20-some-thousand folks, but if we



1 get the word out and we spend more time talking  
2 about this, just like we helped bring down the  
3 homeless veteran numbers, I think we can have an  
4 impact here too."

5 And you never know. It just takes one  
6 person with a little knowledge of this to come in  
7 contact with someone who's in need and be armed  
8 and be equipped to have that conversation, and I  
9 said, "I'm convinced we're going to save  
10 somebody."

11 So it's something we're talking about  
12 on the VBA side, doing more training in our  
13 regional offices, and afterward, I had -- there  
14 were spontaneous stories among the regional  
15 office folks about how they had had someone  
16 commit suicide, an employee in their office, and  
17 I think some of those stories about what  
18 happened, what was the aftermath, how did their  
19 management staff deal with that, how did VHA come  
20 and help with some of the sadness that comes  
21 after that, was really powerful.

22 And they know who they are, who've had

1 experience with that now, and they are tapping  
2 into each other when they have these situations,  
3 so I think it's, unfortunately, it's a topic we  
4 have to talk about, but wanting it to go away and  
5 hoping it doesn't happen is not a strategy, so  
6 we're embracing it on the VBA side as well.

7 MEMBER SIMBERKOFF: But do you have  
8 data on the veteran suicide what pending claims  
9 are?

10 MS. MURPHY: You know what, I don't  
11 have -- I don't have that with me. I will tell  
12 you that the VHA folks that gave us some data,  
13 and I should have brought it with me, anybody who  
14 has had interaction with VA of some sort, the  
15 predominance goes way, way down, and in  
16 particular in the female veteran population.

17 So it doesn't matter if it's a claim,  
18 if it's a visit, you know, some interaction with  
19 VHA or VBA or somebody, just having had contact  
20 with VA brought the incidents rate like down  
21 significantly, like it was in the 90 percentile  
22 or something in women veterans, so it's making a

1 difference.

2 A couple of other things. We talked  
3 about -- Laurine Carson will be here, she's our  
4 head of policy, tomorrow. She'll talk about the  
5 update on the VASRD, kind of high-level. We're  
6 on track to get all of the proposed rules  
7 published that aren't already published by the  
8 end of this fiscal year, and all the final rules  
9 by the end of FY18.

10 You know, Tom, your -- your question  
11 to Tom about the rollout and how do you manage  
12 that and how do you bake it into the systems, and  
13 you said, "That's going to be a nightmare." It  
14 is going to be a very challenging situation to  
15 have both of those running parallel.

16 The good news is we're turning over,  
17 I think, our average days to complete this  
18 morning was about 112 days, so, you know, we're  
19 getting claims through the system faster, and  
20 that tail won't be dragging out hopefully as  
21 long. Now, on the --

22 MEMBER PAMPERIN: Clearly, there's a

1 potential for a, for a fail site edit since you  
2 have data claim in the mess, and, you know, if  
3 you have that tied to a diagnostic rule that  
4 says, you know, "This is the dual rating type of  
5 situation."

6 MS. MURPHY: Sure. If we can get that  
7 program in. We're just going to have to watch  
8 it. Folks, talk about change management and  
9 training, that'll be a big piece of it.

10 MR. MANAR: Beth, if I might ask?

11 MS. MURPHY: Yes.

12 MR. MANAR: With regards to each new  
13 section or rewritten section of VASRD, in order  
14 to properly evaluate veterans under the new  
15 system if they already have a claim pending, you  
16 may have to do a second VA exam.

17 MS. MURPHY: It's possible. Every --  
18 every situation, every plan will be different  
19 depending on where it is in the process and what  
20 the circumstances are.

21 MR. MANAR: It is -- I think it's  
22 possible. The question is whether you think it's

1 worthwhile doing to alter the, the exams for --

2 PARTICIPANT: DBQ.

3 MR. MANAR: The DBQs to, now, to  
4 incorporate the new criteria, as well as, you  
5 know, the new questions, as well as the old so  
6 that you have at the time the new law, or new  
7 regulation goes into effect, you've got an exam  
8 that gives you the information for both.

9 DR. VVEDENSKAYA: May I ask -- it's a  
10 two-part question from you. First part talks  
11 about, can we put new writing criteria alongside  
12 with old one before publishing the final  
13 regulation? The answer is no. Oh, okay.

14 MR. MANAR: I'm saying, can you ask  
15 questions to the answers which would answer the  
16 new criteria?

17 DR. VVEDENSKAYA: We -- DBQs are what  
18 is called, "Rule-based." It can ask questions,  
19 which are part of the current regulation, current  
20 rating schedule. It cannot ask questions which  
21 are not part of the current rating criteria.

22 However, even now, DBQs are asking

1 more questions than the regulation states,  
2 because you have to fulfill the requirement not  
3 only regulatory, but also medical practice. We  
4 have to ask certain questions even though they're  
5 not mentioned in the regulation in order to  
6 practice good medicine.

7 And in terms of the second part of  
8 your question is, "Well, how do we jump from old  
9 DBQ to new DBQ?" As I mentioned a little bit  
10 earlier, two of the final rules, which I drafted,  
11 are very close to publishing in the Federal  
12 Register.

13 And two months ago, we already started  
14 implementation process, which is a very  
15 structured process which involves all the  
16 stakeholders, including the VBMS programmers,  
17 including people from the office which designs  
18 DBQs. We're all working together. They have the  
19 draft. They have an opportunity to ask me any  
20 questions they need the answers for.

21 By the time Federal Register publishes  
22 that final rule, our -- the design is that VBMS

1 and DBQs will be ready --

2 MR. MANAR: I anticipated that from  
3 what you said earlier. I was just trying to see  
4 if there's a way to avoid that second examination  
5 for people who are, already have a claim pending  
6 under the existing rules, and now there's new  
7 language, there's new terminology, there's --  
8 there may be new, a new way of evaluating a  
9 particular disability, so that was the point of  
10 my question is whether it's possible to avoid --

11 DR. VVEDENSKAYA: That is directed by  
12 the administered law, which is outside of the VBA  
13 and it is applicable to every single federal  
14 government agency. We cannot, in our case, we  
15 cannot examine patients based on the not  
16 published rule.

17 MS. MURPHY: So, Jerry, I think, I  
18 think it'd be fair to say we can look and see how  
19 ways we can be more proactive, but I think it's -  
20 - we have to be careful, because -- now, we have  
21 to go through OPM for changing these rules, and  
22 you have to demonstrate what the additional

1 administrative burden is, so it's a fine line and  
2 you have to be careful of that, but we can take a  
3 look at that. We can take a look at that.

4 And, again, you know, you propose a  
5 rule, and then things change before it becomes  
6 final, and then you're changing your DBQs back  
7 again. We can look at it.

8 DR. VVEDENSKAYA: We're trying to make  
9 this transition as smooth as possible, and doing,  
10 like Beth said, a lot of proactive way ahead of  
11 time work. This way when the time comes, it  
12 doesn't take us more than, you know, flipping of  
13 a switch.

14 MS. MURPHY: Right. So I think Tom  
15 also mentioned appeals has been fenced off, so  
16 there's a brand-new kind of head of appeals.  
17 Dave McLenachen is overseeing both the policy  
18 procedural part of appeals, and also the  
19 operational oversight of appeals.

20 So if you, if you think about it, the  
21 appeals' folks still live and work in the  
22 regional office and they're evaluated by their



1 coaches and they're under the oversight of the  
2 regional office director, but they get their  
3 marching orders and claims processing orders from  
4 headquarters down through the districts, down to  
5 the regional office, and then over to the appeals  
6 team.

7 They, like literally, if you could  
8 just draw a fence around them, and we don't  
9 borrow them for training or second signature  
10 reviews or anything like that. We don't, we  
11 don't work them. I don't even think we're  
12 working them on overtime for rating any longer.  
13 If they're doing any overtime, they're doing it  
14 on appeals.

15 We've been borrowing from appeals for  
16 a long time as you know. We've had all these  
17 conversations, we need the modernization, but in  
18 the meantime, this is something we can do to  
19 maintain -- like so by not borrowing from it,  
20 it's really increasing the amount of time claims  
21 processors are spending on appeals, so yes,  
22 that's having a positive impact on the appeals'

1 side and we're noticing some of that loss of  
2 productivity throughput on the rating side.

3 All right. I don't really know how  
4 long my time goes, so I'm going to stop talking  
5 and see if there are other questions that you all  
6 have, that you all brought.

7 CHAIRMAN MARTIN: We have two members  
8 online.

9 See, Hal, are you -- are you back with  
10 us, and Elder?

11 MEMBER BIRD: I am. I don't have --  
12 I don't have any questions at this time.

13 CHAIRMAN MARTIN: Okay.

14 MEMBER GRANGER: No, I don't have any  
15 questions. Excellent presentation.

16 CHAIRMAN MARTIN: Thank you. I  
17 enjoyed this.

18 MS. MURPHY: Thank you. And -- and,  
19 I guess, the 60 days is up on the Camp Lejeune  
20 final rule next week, so we're anticipating that  
21 going live so that we can start processing those  
22 new presumptives. Of course, those will be done

1 through our Louisville Regional Office, who's had  
2 jurisdictional over those for some time.

3 We don't -- we don't anticipate  
4 changing that, so they have the expertise.  
5 They've processed those claims for a long time,  
6 and if they need additional capacity to do that,  
7 we now have NWQ, and we can move their other work  
8 out that they normally would process and have  
9 them just focus on Camp Lejeune cases, so --

10 MEMBER PAMPERIN: Do you have any idea  
11 how many claims you're expected? What's the  
12 population? A couple hundred thousand? It's  
13 like 20 years, isn't it?

14 MS. MURPHY: Yes. It's -- yes, right.  
15 Off the top of my head, I cannot remember what  
16 the population number is.

17 MR. MANAR: I think I heard something  
18 north of a million people went through Camp --

19 MS. MURPHY: But then you have to  
20 establish the 30 days contiguous or  
21 noncontiguous, so there's a little bit of  
22 filtering that goes on there.

1                   CHAIRMAN MARTIN: Any other questions  
2 from the members?

3                   (No audible response.)

4                   CHAIRMAN MARTIN: Thank you.

5                   MS. MURPHY: All right. Well, thank  
6 you. Thank you very much for your work with the  
7 --

8                   CHAIRMAN MARTIN: Thank you very much.

9                   MS. MURPHY: Thank you.

10                  CHAIRMAN MARTIN: We appreciate your  
11 time.

12                  (Applause.)

13                  CHAIRMAN MARTIN: It's been a day of  
14 lots of information and a busy day. What other  
15 items do we need to revisit before we adjourn  
16 tomorrow?

17                  We've got a good lineup tomorrow of  
18 speakers. We're going to cover some topics that  
19 we've been looking at very carefully, including  
20 the National Work Queue, VASRD, the contract  
21 exams, and we'll have our time for a couple of  
22 comments tomorrow at 11:15 as well if we have any

1 additional people joining us for those.

2 DR. VVEDENSKAYA: All right. Great.

3 And I would propose in terms of the organization,

4 let's leave our name tags here for just for if

5 people would like to address the committee

6 members by name, it's here.

7 CHAIRMAN MARTIN: Thank you. Thank

8 you very much.

9 DR. VVEDENSKAYA: Good.

10 CHAIRMAN MARTIN: Thank you, visitors.

11 Thank you for being here.

12 VSOs, thank you for being here. Thank

13 you.

14 We are officially adjourned.

15 (Whereupon, the above-entitled matter

16 went off the record at 4:09 p.m.)

17

18

19

20

21

22

<b>A</b>		
<b>a.m</b> 1:13 4:2 10:20,21 35:20,21 54:19,20 151:14	<b>active</b> 186:7 190:3 205:16,18,19,21 208:10,11	<b>admitting</b> 200:13
<b>abandoned</b> 255:15 256:12,18	<b>active-duty</b> 205:4	<b>advantage</b> 44:20
<b>abandonment</b> 256:6	<b>actively</b> 233:12	<b>advantageous</b> 239:4
<b>ability</b> 177:13 220:6 227:6,11 233:14 234:22 259:20 260:9 264:3 272:21 273:15 282:11 287:2	<b>activities</b> 32:15 201:2 241:8	<b>advice</b> 45:3 53:10,11,14 55:12 56:14,15 65:13
<b>able</b> 29:1 43:14 176:17 188:19 228:5 233:13 235:4 239:22 258:12 261:20 264:15,19 277:14 286:4	<b>activity</b> 15:4 102:15,19 153:13,16 169:1 192:7,9	<b>advises</b> 45:2
<b>abnormal</b> 48:16 50:11	<b>actual</b> 55:9 155:5 175:11 183:7 278:11	<b>advisory</b> 1:5 3:3 4:4 13:12 14:2 20:15 29:17 37:1,2 42:8,10 42:16 43:2 45:1 46:6 50:4 51:20 52:8 53:12 55:15,16,22 65:12 71:4 73:16 77:9,11,19 79:1 95:13 98:1,5,7
<b>above-entitled</b> 10:19 35:19 54:18 151:13 212:5 309:15	<b>ad</b> 119:9	<b>advocacy</b> 123:13 190:15
<b>abrasive</b> 188:21	<b>adage</b> 253:12	<b>advocate</b> 185:17 186:4
<b>absolutely</b> 71:15 199:21 211:11 276:3	<b>Adams</b> 61:3 64:4	<b>advocates</b> 116:16 126:3 141:13 155:10 169:2 177:21
<b>Academies</b> 76:12	<b>adapt</b> 108:18	<b>aerially</b> 156:8
<b>Academy</b> 52:18,20 54:4 54:16 55:10 77:6 103:3,5 139:19 159:1	<b>add</b> 13:16 95:6 138:20 139:16 149:6 195:6 203:4 283:11 287:7,8	<b>Affairs</b> 1:1 4:4 32:19 174:5 175:17 191:9
<b>acceptance</b> 71:11	<b>added</b> 103:15 162:7,10 162:13 174:21 228:9	<b>Afghanistan</b> 102:15 103:14,16 106:10 111:16 127:17 133:8 140:1 205:10
<b>access</b> 206:13 247:5	<b>addendum</b> 284:13	<b>aftermath</b> 297:18
<b>accountability</b> 229:1	<b>adding</b> 287:4	<b>afternoon</b> 15:19 151:10
<b>accounting</b> 286:18	<b>addition</b> 55:21 59:9 61:21 64:15	<b>afterward</b> 297:13
<b>accumulated</b> 91:2	<b>additional</b> 26:20 303:22 307:6 309:1	<b>age</b> 216:10
<b>accuracy</b> 228:22 260:18 262:3,9	<b>Additionally</b> 155:7	<b>agencies</b> 71:21 81:2 171:21 243:7,18
<b>accurate</b> 232:3,18	<b>address</b> 53:13 55:17,18 56:2,17 57:12 77:1 99:19 123:10 126:1 135:1 146:8 194:8 210:13 284:19 309:5	<b>agency</b> 52:2 62:18 63:4 303:14
<b>accurately</b> 229:9 264:11	<b>addressed</b> 148:11	<b>agenda</b> 16:19 146:8 295:20
<b>accustomed</b> 76:7	<b>addresses</b> 115:13 158:3	<b>agents</b> 47:4,7,8 73:2,4 209:21
<b>ACDC</b> 5:8 235:11	<b>addressing</b> 40:7	<b>ago</b> 59:13 112:18 114:8 121:14,19 135:17 136:4 138:16,17 160:12 162:1 166:5 184:14 188:13 191:7 215:9 216:16 219:17 251:12 267:3 269:14 282:17 296:5 302:13
<b>acknowledged</b> 107:16 155:10 157:1	<b>adequately</b> 83:14	<b>agree</b> 76:15
<b>acknowledgment</b> 74:5 174:11 193:9,13 209:6,12	<b>adjourn</b> 3:20 308:15	<b>agreed</b> 193:2,8
<b>acquainted</b> 294:9	<b>adjourned</b> 309:14	<b>agreement</b> 206:7,18 236:14
<b>acquisition</b> 22:8	<b>adjudication</b> 230:1 260:4	<b>agreements</b> 191:20
<b>acronym</b> 67:18 248:4	<b>adjudicators</b> 107:8,22 112:3 140:18 150:5	<b>ahead</b> 44:7,18 54:3 99:8 267:6 304:10
<b>Act</b> 103:1,2 157:7 209:19	<b>adjust</b> 244:8	<b>Ahn</b> 34:22
<b>acted</b> 34:1 161:13	<b>adjusted</b> 244:9 258:3	<b>aid</b> 61:5
<b>Acting</b> 2:3 6:11 17:14 212:10	<b>adjusting</b> 258:10	<b>aim</b> 244:9,9
<b>actings</b> 22:18	<b>adjusts</b> 252:3	<b>air</b> 9:5 45:13 64:5 155:9
<b>action</b> 7:5 8:2 10:1,5 167:5 218:13 228:8 228:13	<b>admin</b> 242:20	
<b>actions</b> 231:4	<b>administered</b> 303:12	
	<b>administration</b> 1:2 3:13 16:13 17:8 22:19 39:18 104:13 126:8 161:20 239:19 253:6	
	<b>administrative</b> 304:1	
	<b>administrator</b> 235:10	
	<b>admission</b> 200:16	
	<b>admit</b> 129:20	
		<b>157:9 165:19 176:7 181:6 185:18 186:19 188:8 189:2,13 191:2 191:5,22 194:18 195:12,21 196:10,14 205:7 aircraft</b> 153:8,9 169:17 191:3 193:6 <b>airplane</b> 188:7 <b>airplanes</b> 189:18 <b>airport</b> 253:10 <b>alert</b> 21:4 173:8 <b>all-</b> 184:14 <b>allied</b> 73:6 <b>allocated</b> 244:13 <b>allow</b> 223:17 229:22 <b>allowed</b> 12:10 24:18 214:11 250:13 <b>allows</b> 262:21 <b>alongside</b> 301:11 <b>alter</b> 301:1 <b>Alternate</b> 2:2 <b>Alvin</b> 165:17 180:14 186:16 187:20 189:1 198:19 203:11 <b>amateur</b> 265:20 <b>amazed</b> 47:15 <b>amazing</b> 6:22 13:21 35:2 <b>ambient</b> 155:12 156:15 <b>America</b> 21:10,19 29:12 184:8,13 <b>American</b> 28:2 166:13 192:10 <b>amiable</b> 23:16 <b>ammunition</b> 171:8 <b>amoeba</b> 106:4 <b>amount</b> 58:21 94:1 154:18 155:1 156:10 207:13,13 305:20 <b>amounts</b> 155:5 <b>analysis</b> 21:16 43:18 230:3 231:7,14 <b>analysts</b> 242:16 247:13 <b>analytic</b> 33:4 <b>analytics</b> 258:22 259:3 260:17 261:18 264:6 265:16 <b>analytics'</b> 258:19 260:2 265:11 <b>analyze</b> 160:14 <b>ancillary</b> 24:1 25:1 <b>anecdotes</b> 147:1 <b>Angeles</b> 30:19 <b>animal</b> 40:10 66:5 88:22 193:21 <b>annual</b> 38:19 52:10 58:17 69:11

- answer** 17:18 90:16,22  
 93:17 139:5 175:7  
 196:8 214:9 254:21  
 256:18,22 281:16  
 285:21 286:4 288:21  
 301:13,15  
**answered** 254:14  
**answering** 282:18  
**answers** 39:20,20  
 238:18 301:15 302:20  
**anticipate** 307:3  
**anticipated** 23:8 303:2  
**anticipating** 306:20  
**anybody** 12:10 35:14  
 55:10 57:20 67:22  
 81:4 82:21 83:1,14  
 90:1,6 97:18 99:6  
 122:13 124:14 125:1  
 139:4 162:12 166:14  
 171:15 172:8 173:5  
 174:3 177:17 180:15  
 189:14 209:15 211:9  
 221:15 265:12 298:13  
**anymore** 81:7 117:6  
 214:11 243:19  
**anytime** 41:14  
**anyway** 36:21 45:5  
 46:12 57:13 65:8  
 67:12 100:16 101:5  
 104:1 108:5 129:2  
 130:18 140:13 142:3  
 145:21 146:5,13  
 148:3 150:20 157:2  
 160:1 162:18 166:20  
 185:2 188:12 189:7  
 192:12 194:10,10  
 195:11 196:3 198:18  
 203:1 208:14 211:8  
**apartments** 33:16  
**apnea** 48:3 112:18,21  
 113:2,5,6,12,17  
 119:16  
**APO** 168:13  
**apparent** 109:17  
**apparently** 11:9 104:20  
 105:1  
**appeal** 26:2,5 122:21  
 124:13 177:14,18  
 230:2,7,12 232:1  
 233:17 234:8,12  
 235:2 259:8,9 273:13  
**appeal's** 214:10  
**appealed** 171:18  
 178:22  
**appeals** 14:11 25:4,9  
 25:14,16,21 26:7,12  
 26:13,14,18,20  
 143:12 171:5,11  
 176:16 178:17,19  
 213:2 214:9,16,17  
 217:13 231:21 232:10  
 239:13 242:9 270:13  
 304:15,16,18,19  
 305:5,14,15,21  
**appeals'** 214:13 238:10  
 304:21 305:22  
**appear** 230:21 253:3  
**appeared** 73:12  
**appears** 142:1 201:1  
**appellate** 195:17  
**Applause** 151:5 212:4  
 308:12  
**applicable** 303:13  
**application** 223:18  
 264:7  
**applied** 48:18 89:19  
 144:2 173:12 178:11  
**applies** 121:22 124:6  
**apply** 69:3,7 104:7  
 124:7 159:19 204:13  
 204:16 282:5  
**appointed** 17:9  
**appointment** 20:5 23:5  
**appointments** 69:6  
**appreciate** 98:3,8 152:5  
 211:17 267:8 308:10  
**appreciates** 236:18  
**approach** 49:4 104:3  
 109:1 173:18 183:3  
**approaches** 61:12  
**appropriately** 227:5  
**approved** 60:17 154:21  
**approximately** 224:22  
**April** 23:9 45:20 174:18  
**Arabia** 45:13  
**area** 33:19 78:10 85:22  
 96:18 101:21 110:16  
 150:18 153:20 166:13  
 172:20 178:12 184:15  
 186:21 191:2 208:16  
 211:17 282:3 286:7  
 290:4  
**areas** 32:3 42:13 65:11  
 65:11 100:21 279:4  
**arena** 156:3  
**ARETHA** 91:21  
**argued** 257:18  
**arguing** 144:3,7,16  
**argument** 188:22 189:1  
 189:7 246:17  
**argumentation** 180:20  
**arguments** 207:2,8  
**Arizona** 135:16  
**arm's** 283:14  
**armed** 297:7  
**Army** 64:16,17 88:3,4  
 168:13 205:7  
**arrange** 28:13  
**arranged** 97:16  
**arranging** 22:16  
**array** 212:13  
**arrive** 35:9  
**arrives** 35:18  
**article** 202:3,4,10,16,20  
 203:3  
**articles** 200:12  
**artificial** 41:2  
**artillery** 174:16 244:7  
**as-needed** 217:19  
**Asia** 96:9 133:4 219:12  
**aside** 207:11  
**asked** 14:21 16:10 27:1  
 27:7 30:10 39:4 75:21  
 99:21 131:11,15  
 139:20 150:1 246:3  
 246:15 253:8,21  
 261:4 282:16  
**asking** 251:3 279:2  
 282:14,15 292:9  
 301:22  
**asks** 131:5  
**aspect** 85:5,9 110:7  
 229:1  
**aspects** 83:5 207:15  
**assessing** 55:3  
**assessment** 32:14 33:5  
 87:11 100:1 278:14  
**Assessments** 14:19  
**assign** 52:1  
**assigned** 8:1 70:19,21  
 222:19 225:11 250:5  
 251:6  
**assigning** 213:20  
**assistance** 14:20 19:16  
 22:1 113:13 206:18  
**Assistant** 23:3  
**assistants** 242:17  
**assisting** 140:18  
**associated** 157:15  
 159:4 161:18,22  
 173:22 177:12,12  
 183:11 197:10 210:3  
 210:9,17  
**associates** 210:4  
**association** 159:6,9,12  
 159:19,22 160:21  
 161:3,7 182:12  
**associations** 159:8  
**assure** 21:20  
**asthma** 117:8,9 143:13  
 143:15,18,19 144:4,4  
 144:5,14,16 146:3,4,4  
**attached** 190:13  
**attacking** 173:11  
**attacks** 192:10  
**attend** 6:7 13:1  
**attended** 7:2 184:12  
**attending** 6:15  
**attention** 71:14  
**attitude** 71:16,21  
**attitudes** 95:9  
**audible** 308:3  
**auditorium** 280:5  
**August** 33:1 174:19  
 254:5 255:9  
**Augustine** 29:11,13  
 30:6  
**Australia** 73:8,14  
**Australia** 214:2 217:22  
 218:18 246:4 269:12  
 269:15,18 270:21  
**authorization** 218:16  
 226:22  
**authorized** 245:20,22  
**authorizers** 218:15  
**automate** 283:11  
**automatically** 117:1  
 138:9 145:1,12 164:1  
 260:22  
**automation** 238:22  
 287:3  
**autonomic** 66:14  
**availability** 189:4  
 250:14  
**available** 28:5 30:11  
 91:20 134:12 219:21  
 224:16 229:18 272:18  
**AVC's** 216:2  
**average** 131:20 135:11  
 215:17 216:1 226:11  
 226:13,16 239:10  
 299:17  
**averaging** 219:8  
**avoid** 291:14 303:4,10  
**avoidable** 228:17  
 229:17  
**award** 7:5 26:6 218:17  
 226:22  
**awarded** 7:11 9:15  
 214:2  
**awards** 219:2  
**aware** 90:5 105:18  
 107:18,22 124:18  
 147:17 176:15 177:2  
**awareness** 132:8  
 295:21 296:5,16  
**awful** 163:18

---

**B**


---

**B** 8:10 162:16  
**B-52s** 191:3  
**back** 8:12 10:12 14:16

15:7 26:1 34:5 35:1  
 36:1 50:4 51:1,12  
 61:19 88:6 97:10  
 98:20 120:11,22  
 123:11 132:13 148:7  
 148:15 149:8 151:4,8  
 152:1,14 161:12  
 162:11,11,12,17  
 164:8 170:21 175:20  
 177:9 185:21 187:2  
 187:15 195:19 196:2  
 203:15,22 212:12  
 217:7,16 218:2  
 222:16,19 224:8  
 225:8,9,9 228:1,13,16  
 228:16 229:3,13,14  
 229:19 231:10,12,17  
 231:19 234:10,11  
 237:13 247:9 249:10  
 251:19 256:9,12  
 259:20,21,22 260:2  
 260:15 264:8 266:1,9  
 266:15 272:14,20  
 277:20 283:22 284:8  
 284:10,14 286:10  
 288:22 292:10 293:19  
 294:20 304:6 306:9  
**background** 37:5,14  
 45:9 101:6,7 154:5  
 157:16 167:15 201:5  
**backgrounds** 13:20  
**backlog** 25:7 162:17,18  
 214:8 215:15 216:15  
 216:17 221:8 243:2  
**backlogged** 257:4  
**backwards** 77:18 228:9  
 228:18 229:5  
**bacteria** 105:22  
**bacterial** 106:1  
**bad** 43:1 68:11 72:20  
 162:3 265:18 274:17  
**badly** 50:16  
**bake** 299:12  
**balance** 185:4 283:12  
**balances** 263:16  
**Ballard** 7:22 8:15  
**Baltimore** 63:20 82:20  
 83:16,18 221:20  
**bandwidth** 283:15  
**base** 145:9 167:13  
 180:2 186:19 191:15  
 192:4 203:16,16,19  
**based** 53:9 60:9 76:14  
 84:2 107:5,11 109:8  
 112:5 114:22 117:18  
 118:14,15 123:17  
 132:8,8 143:10  
 146:10 147:20 150:19

157:21 165:16,17  
 167:5,18 182:21  
 183:3,21 186:9,9  
 188:7 189:17 201:1  
 224:7,15 226:5 227:6  
 245:17 247:20 264:15  
 303:15  
**baseline** 75:5,13  
**bases** 170:2 180:3  
 191:5,22 192:9,19  
 193:12 194:18,18  
 196:15 198:8,16  
 210:15  
**basic** 38:11 39:14  
**basically** 14:17 44:16  
 90:8 127:19 139:22  
 141:14,21 157:16  
 160:14 162:3 201:4  
**basis** 119:21 193:10  
 202:20 217:19 218:9  
 271:16  
**Battalion** 199:4  
**battle** 206:15  
**Bay** 170:9  
**beating** 227:2  
**becoming** 272:8  
**bed** 201:2,6  
**beginning** 54:13 62:13  
 62:14 102:15 214:20  
 269:17  
**behalf** 98:1  
**behavior** 229:8 250:22  
**belief** 202:21 257:10  
**believe** 32:20 36:17  
 79:11 161:14 162:4  
 163:15  
**believed** 179:12  
**belong** 69:14  
**belt** 34:17  
**benefit** 165:2 174:7  
 176:3 182:20 183:15  
 183:18 184:4 285:15  
**benefits** 1:2,3 2:3 3:13  
 17:14 19:21 21:20  
 22:5 36:12 57:19 60:7  
 78:3 79:6 190:1  
 212:11 240:18,20  
**BENTON** 2:4  
**best** 9:11 27:5 185:8  
 230:10  
**bestowed** 7:6  
**Beth** 2:6 3:18 134:6  
 135:2 220:1,4 231:5  
 267:19,21 274:16  
 294:9,11,18 300:10  
 304:10  
**better** 10:17 31:8  
 149:14 192:5 215:5,6

222:2 236:15 240:10  
 241:9 245:6 281:14  
 282:19,19 284:5,8  
 292:4  
**beyond** 202:21 277:10  
 290:15 296:14  
**bi-product** 154:17  
**biannual** 58:16  
**biennial** 14:6 15:6 17:1  
 19:13 53:6  
**Biennium** 15:1  
**bifida** 173:20,20 175:6  
 181:11,12 182:1,1,9  
 182:10,11,17 183:10  
 183:11  
**big** 33:17 39:6 60:4  
 66:20 74:13 101:18  
 122:18 138:12 139:22  
 153:1 159:14 160:19  
 160:21 172:20 177:9  
 179:22 190:20 191:21  
 203:15 232:6,8,8  
 241:6 244:1 258:6,7  
 260:1 265:11,16,19  
 266:2 269:8 289:16  
 290:18 300:9  
**bigger** 30:15 80:21  
 290:14  
**biggest** 48:5 118:1  
 190:21  
**bilateral** 8:16  
**bill** 21:12 64:7 107:11  
**bind** 156:5  
**bio** 20:15 21:3  
**bio-** 189:3  
**bio-availability** 189:4  
**biomarkers** 66:5 88:20  
**biomedical** 40:9  
**Bird** 1:16 6:1 18:11  
 28:10,18 85:3,20 86:1  
 86:5,7 120:20 121:17  
 122:3 123:3 124:8,17  
 125:5,10 137:5,9  
 138:14,17 148:12  
 205:16 266:21 306:11  
**birth** 160:1 181:14  
 183:15 202:5,14  
 203:4  
**Bismarck** 279:12  
**bit** 14:18 21:14 34:19  
 44:7 67:13 85:22  
 87:20 112:18 121:4  
 130:12 154:20 156:21  
 165:18 166:9 175:15  
 215:12 216:9,11  
 220:4 231:2,3,5,15,16  
 249:16 259:1 264:12  
 265:13 268:16 269:5

272:12 275:8 283:8  
 287:1 302:9 307:21  
**black** 253:6  
**bladder** 161:5 182:6  
**bleed** 250:9  
**block** 254:4,8,13  
 255:11,14 257:22  
**blood** 40:11 43:7 89:1  
 110:22 156:16  
**bloodstream** 156:16  
**blown** 46:21  
**Blue** 154:13 156:3  
 168:21 169:2,3,15  
 170:13 172:14  
**Blumenthal** 175:2  
**board** 176:16 178:17,19  
 218:13,16 233:6  
 239:15,20 240:13  
 280:3  
**bodies** 244:15 245:5  
 255:8,12  
**body** 181:8 224:3  
 237:16 260:11  
**boils** 143:20  
**bold** 117:21  
**bombing** 191:3,19  
**bona** 166:21  
**border** 153:18  
**bordering** 206:8  
**born** 12:6 29:12  
**borrow** 278:19 305:9  
**borrowing** 305:15,19  
**boss** 39:19 268:22  
**Boston** 63:13  
**bother** 104:15  
**bothering** 199:16  
**bottom** 49:5 56:1  
 202:15 230:12 262:13  
**bottom-line** 214:4  
 222:4 227:3 244:5,12  
 245:17  
**bought** 189:14  
**boundaries** 169:8,18  
 170:5 172:10,11  
**bowel** 49:14 105:10  
 116:13  
**Bowl** 258:6  
**box** 41:8 122:17 221:14  
 249:21 252:20  
**boxes** 168:13 221:12  
**Boyd** 2:2 5:13,13  
**Brad** 162:1 193:1  
**Bradshaw** 32:18  
**Bragg** 63:6  
**brains** 295:2  
**Branch** 51:22 52:2  
**brand-new** 304:16  
**Bravo** 28:18



**break** 35:10,12,16  
 98:22 99:1 130:14  
**breaking** 230:21  
**breakthrough** 295:22  
**breathing** 101:16 113:7  
 113:14,16  
**Brian** 6:20  
**brick** 279:19 293:5,14  
**bridge** 213:21 273:10  
**brief** 55:21  
**briefed** 34:5 55:5  
**briefing** 26:17 213:4  
 218:21 242:7  
**briefings** 21:21  
**briefly** 19:8 34:8 203:14  
**bring** 4:7 13:22 18:22  
 98:8,12 149:6 191:19  
 224:21 294:17 297:2  
**brings** 16:16 64:14  
 258:13  
**Britain** 219:11  
**broad** 39:12 139:11,11  
 143:8 265:11  
**bromide** 47:3 72:18  
 96:21  
**bronchi** 101:17  
**brought** 6:22 28:6 35:3  
 58:11 158:22 184:16  
 188:14 258:4 261:2  
 298:13,20 306:6  
**brown** 169:5,10,12,13  
**BROWNE** 1:16 18:20  
 82:12 83:21 84:22  
 115:9,19 116:3  
 181:10,13,20  
**Browne's** 6:5  
**bucket** 225:21  
**budget** 26:17,21 38:19  
 81:10 82:3,6 242:12  
**budget's** 81:21  
**budgetary** 94:17  
**build** 223:18 276:21  
 283:14 290:22  
**building** 237:18  
**buildup** 191:21  
**built** 25:4 192:1  
**bulk** 43:17  
**bullet** 70:16  
**bulletin** 138:20,21  
**bumped** 254:17  
**bundle** 214:19  
**Bunker** 61:6 64:6 93:3  
**Bunker's** 64:13  
**burden** 304:1  
**bureaucratic** 282:21  
**buried** 176:19 178:4  
 180:17  
**burn** 55:4 72:13 106:21

106:22 107:3,5  
 111:17 139:21,21  
 140:6  
**burning** 156:18  
**business** 63:4,4 166:4  
 166:4 235:21 250:3  
 269:11 279:9 291:9  
**businesses** 61:14,15  
 63:9  
**bust** 244:21  
**busy** 16:19 59:15 60:17  
 95:11 267:12 308:14  
**butting** 51:12  
**button** 248:13  
**buy** 97:14  
**buy-in** 240:7  
**BVA** 26:19 27:12 177:3  
 177:3,4,4,10 178:14  
 195:6,7,16,17 200:9  
 200:10

---

**C**


---

**C** 8:13  
**C-123** 153:9 156:13  
 177:21 185:9,19,19  
 186:5 188:1,8  
**C-123s** 166:9 179:22  
 188:10  
**C-130s** 178:3  
**C-O-N-T-E-N-T-S** 3:1  
**C&A** 258:16  
**C&P** 86:18 87:17  
 100:12 105:16 108:20  
 109:18 111:19 114:6  
 114:7 115:6 116:17  
 122:10 131:13,20  
 135:17 136:2,8,10  
 149:7 233:2 270:20  
 271:5 275:2 278:13  
 278:20  
**cabinets** 293:20  
**caffeine** 35:15  
**calculators** 239:2  
**calendar** 16:7 267:11  
**California** 34:9,13,16  
 63:17,21 220:14  
**California-San** 61:2  
**call** 24:1 40:2,8 42:10  
 55:20 68:7 70:1 73:21  
 75:5 92:17,20 93:9,15  
 165:12 177:5 183:17  
 247:17 248:14,15  
 249:17,20 253:22  
 254:3,4,8,9,10,13  
 255:11,14,15,19,22  
 256:4,12,18 257:8,11  
 257:22 258:3,8,11  
 259:4 266:9 296:15

**called** 33:13 37:2 41:8  
 42:9 44:12 45:22  
 52:19 61:17 67:11  
 69:17,22 87:3 90:8  
 103:4 104:4 105:5  
 154:9 159:9 169:5  
 187:8 188:9 189:3  
 190:5 191:10,14  
 219:22 224:7 226:7  
 251:13 255:21 260:3  
 261:3 301:18  
**calling** 201:6  
**calls** 200:20 254:13  
 255:10,20 258:21  
**Cam** 170:8  
**Cambodia** 153:19  
**Camp** 306:19 307:9,18  
**Canada** 204:20,22  
 205:22 206:8,19,20  
 206:22  
**Canadian** 203:16,16  
 206:21 207:4,20  
**cancel** 272:11  
**cancellation** 272:11,15  
**cancellations** 272:19  
**cancer** 62:9,10,15,15  
 109:10 133:16 159:15  
 159:15 161:5 182:6  
 210:10  
**cancers** 62:13 157:14  
**canopy** 153:21  
**capabilities** 13:21  
 258:19,20 288:15  
**capable** 290:2  
**capacity** 214:17 220:8  
 220:17 270:18 271:9  
 271:11,19 272:3,7  
 274:12,15,21 275:8,9  
 275:17 276:10 277:11  
 307:6  
**captain** 64:8  
**capture** 55:16  
**car** 275:6  
**card** 74:1,3,4  
**care** 8:2,18 37:19 57:18  
 58:5 60:6 62:2 63:22  
 73:19,20 74:7 79:6,17  
 87:2 90:20 91:12 93:7  
 95:2 153:4 257:11  
 276:2 279:8 296:9  
**careers** 29:8 207:16  
**careful** 12:5 69:10  
 226:2 303:20 304:2  
**carefully** 308:19  
**caretaker** 10:10,11  
**caring** 8:19  
**Carlos** 6:21  
**Carolina** 63:3,5

**Carolina's** 63:6  
**Caroline** 63:15  
**Carolyn** 63:14  
**carried** 82:7,7  
**carriers** 169:17  
**carry** 8:11 78:17 86:2  
**Carson** 299:3  
**Carter** 185:17 186:4  
**case** 25:22 143:11  
 144:16 158:18 162:10  
 171:1,5,7,21 176:16  
 195:21 220:12 221:10  
 222:2,9,10,18 225:5  
 227:22 228:1,9,13,19  
 229:4 230:1 233:21  
 242:18 243:2 246:8  
 246:13 252:12 263:2  
 275:15,16 277:1  
 303:14  
**case-by-case** 193:10  
**cases** 100:18 141:1,5  
 170:17 172:13 210:11  
 216:17 218:12 221:21  
 222:7,8,12,16 224:18  
 225:2,3,11,13,17,22  
 227:8,16 230:18  
 239:12,16 247:20  
 307:9  
**casualties** 73:3  
**catalog** 20:17  
**catching** 265:10  
**categories** 65:14 104:9  
 104:17 106:14 130:21  
 172:8  
**category** 105:17 159:17  
**causation** 159:7 160:20  
 160:21 161:2  
**cause** 33:9 161:18  
 231:6  
**caused** 177:5 213:2  
**causes** 202:5 203:4  
 228:9  
**causing** 76:4 211:5  
 216:1  
**CAVC** 178:22  
**caveat** 286:7  
**CDMRP** 68:5,6  
**Cease** 45:18  
**cell** 89:1 162:16  
**center** 33:20 88:3 90:9  
 92:19 195:13 229:15  
 253:22 254:4 257:11  
 258:11 259:5 295:15  
**centers** 38:14,22 88:18  
 91:18 93:10,14 94:14  
 256:4 296:15  
**central** 66:13 187:7  
**CEO** 21:10

- ceremonial** 12:22  
**certain** 27:6 33:21 48:8  
 82:22 100:21 102:9  
 102:20 108:6 139:15  
 147:11,12 174:14,15  
 178:9,11 209:20  
 211:4 228:7 279:3,4  
 280:10 290:6 302:4  
**certainly** 44:21 73:11  
 90:21 93:2 96:22  
 193:5 200:2  
**certified** 280:4  
**chair** 60:15,22 69:20  
**chaired** 70:2  
**chairman** 1:13,15 3:2  
 4:3,14,18,20,22 5:4  
 5:16,22 9:14 10:22  
 11:5,9,12,19,22 12:5  
 12:8,16,21 15:20  
 17:18 18:6,9,14,18  
 19:2 21:7 22:15 23:14  
 24:14,19 26:9 27:19  
 28:19,22 30:1,20 31:7  
 31:14,19,21 34:3 35:4  
 35:7,14 61:1 82:6  
 85:1 95:12 96:1 97:22  
 98:5,13,19 99:3,6  
 120:18 148:6,14,17  
 149:15 150:1,22  
 151:6,16 152:5,13  
 207:11 211:15,20  
 212:2,8 235:10 266:3  
 266:19 267:7,11,15  
 268:9 306:7,13,16  
 308:1,4,8,10,13 309:7  
 309:10  
**challenge** 104:16  
 105:17  
**challenges** 66:20  
**challenging** 57:11  
 299:14  
**chance** 6:10 13:1,7  
 15:21 21:8,22 152:9  
 176:10 178:5 268:9  
 282:17  
**change** 140:19 194:9  
 200:2 211:13 231:16  
 255:1 264:16,19  
 271:9 288:4 295:1  
 300:8 304:5  
**changed** 27:17 57:3  
 71:16 221:1 264:15  
 288:14 289:2 291:9  
**changes** 66:12,13  
 222:13 241:6,12  
 262:11 289:17 291:12  
 291:14  
**changing** 288:3 303:21  
 304:6 307:4  
**charge** 109:18 286:1  
**charged** 56:14  
**chart** 248:9 261:6  
 264:22  
**charter** 56:12,21 57:3  
**chartered** 51:21  
**chasing** 275:9  
**check** 283:12 287:6  
 288:22  
**checked** 293:20  
**checking** 262:19  
**checks** 263:16  
**CHECO** 191:10,13  
**chemical** 47:7  
**chemist** 46:10  
**Chevron** 171:20  
**Chi** 153:16  
**Chief** 6:20 64:12  
**chiefs** 135:17  
**child** 182:4  
**childhood** 173:21  
**children** 54:8,10,15  
 114:20 184:3,16  
**Chisholm** 141:13  
 197:13  
**chloracne** 159:10  
**choice** 52:7,7  
**choke** 218:11  
**choose** 220:7  
**chronic** 48:20 49:14  
 104:4,7,8,10 105:6,8  
 105:13 109:6 110:5,8  
 110:12 111:6,12  
 114:18 116:8 118:21  
 123:15 128:17 129:3  
 132:6 137:14 141:7  
 141:18 142:7,22  
 158:13  
**CIF** 186:13  
**circuit** 164:17 171:19  
 171:19  
**circumstances** 300:20  
**cities** 30:4,14,15,18  
**city** 29:11 31:2,6,11  
**Civil** 9:16 11:4  
**civilian** 9:16 72:3 74:10  
 74:12 75:21 76:3  
 284:2  
**civilians** 12:15 180:3  
**claim** 25:6,8 83:12  
 100:4 107:5,20  
 108:22 109:8 113:11  
 113:18 116:1 121:10  
 121:18 132:21 133:9  
 133:12,13 145:7  
 150:7,7 162:13 187:9  
 187:11 194:15 202:22  
 204:18 232:5,11,22  
 237:6 260:18 276:5  
 298:17 300:2,15  
 303:5  
**claimant** 144:2,3  
**claimants** 116:17  
**claimed** 57:6 121:2,8  
 171:9 186:5 202:18  
**claiming** 120:7 146:3  
 202:4 262:1  
**claims** 23:18 24:2,3,21  
 25:1,10 71:8 120:10  
 120:13 121:1 126:5  
 127:5,5 132:3,4,15  
 136:19,22 143:13  
 145:6,10,13,16,17  
 146:12 162:17 171:6  
 171:11 185:14 187:4  
 194:12,15 195:3,4  
 198:3 201:12 204:1  
 204:10 209:1 214:11  
 221:4 237:2 256:5  
 258:16 259:5,6,7,8  
 261:15 271:17,22  
 273:22 276:7,22  
 291:10 292:7,15  
 295:16 298:8 299:19  
 305:3,20 307:5,11  
**clarification** 137:10  
**clarify** 121:9  
**class** 168:20,22  
**classically** 122:6  
**clay** 201:4  
**clean** 97:20  
**clear** 107:7,9 110:10  
 111:15 113:14 115:7  
 115:22 123:22 166:10  
 211:12  
**clearly** 16:21 110:2  
 137:20 238:21 299:22  
**Cleveland** 292:21  
**click** 248:13 252:13  
**climb** 213:1  
**climbing** 214:14 221:5  
**clinic** 61:18,18,20  
**clinical** 40:3,5 41:7  
 79:17 277:17 278:12  
**clinically** 93:12  
**clinicians** 84:3 93:22  
**clinics** 63:19 91:18  
**close** 8:19 248:12  
 276:12 291:19 302:11  
**closely** 22:21 67:15  
 68:16 86:21 87:9  
**closest** 276:10  
**clue** 135:12  
**cluster** 104:21  
**co-chair** 69:20 70:4  
**co-chaired** 69:18 70:2  
**coaches** 229:14 305:1  
**coast** 171:8 199:6  
**coastal** 170:5  
**Code** 157:22 158:6  
**coffee** 35:11,16  
**cognitive** 48:8  
**cohort** 89:17  
**collaborate** 46:16 47:17  
**collaborative** 70:12  
**collars** 101:20  
**collateral** 94:15  
**colleague** 101:11  
**colleagues** 20:9  
**collect** 6:3 43:6  
**collected** 43:11  
**collection** 21:15  
**colonel** 64:13 88:2  
 165:19 185:18  
**color** 201:3  
**color-coded** 249:13  
**colored** 74:3,4  
**combat** 28:2 41:4 64:18  
 71:13  
**combination** 247:17  
 261:13  
**combinations** 48:19  
**come** 8:12 10:12 26:1  
 39:18 54:6 56:17  
 57:16 62:13 67:1  
 82:14 84:11 89:8  
 92:22 96:8 112:6,16  
 114:4 118:19 119:2  
 123:14,17 124:22  
 140:22 143:3 145:16  
 147:15 151:8 162:19  
 165:13 177:9,14  
 184:3,4 187:6 195:9  
 202:17 225:8,9 236:8  
 239:3,16 249:21  
 250:8 251:16 252:18  
 252:21 253:16 260:2  
 261:16 262:8,11,12  
 264:8,21 265:12  
 277:19 289:7 292:18  
 294:18 296:18 297:6  
 297:19  
**comes** 45:4 56:15 65:9  
 75:12 106:11,21  
 107:19 111:16 125:16  
 128:20 130:1 146:12  
 152:19 157:17 158:16  
 211:13 224:8 234:11  
 236:11 249:12 255:5  
 260:19 266:8 289:10  
 294:12 297:20 304:11  
**coming** 59:7,8 84:4,19  
 96:6 98:8,20 116:16

120:11 126:3 134:21  
 136:19 141:2 145:13  
 147:18 191:13 194:12  
 195:3 201:17 211:7  
 212:19 216:5 247:1  
 282:9 283:10 291:13  
**command** 206:19,21  
 261:21  
**Commandant** 10:8  
**Commander** 6:19  
**commanders** 192:4  
**commanding** 64:14  
**comment** 33:2 35:6  
 115:3 223:1 231:19  
**comments** 4:10 17:3,5  
 18:7,10,16,21 19:7  
 28:21 57:14,17 73:15  
 96:3 99:12 108:12  
 148:19 224:5 266:12  
 266:22 308:22  
**commercial** 154:20  
 167:12 175:13 198:7  
 210:5 211:2 256:3,5  
**commissioned** 189:9  
**commit** 297:16  
**committee** 1:5,12 3:3  
 4:4 5:8,10,12,19,21  
 6:2,5,7,16 13:12,20  
 14:1,3,22 15:22 16:2  
 17:4 19:11 20:3,5,15  
 20:22 22:8 23:17  
 26:10 28:11 29:6,17  
 30:12 31:15 36:15  
 37:2,3,7 42:17 43:2  
 45:2,2 46:6 50:5  
 51:20,20 52:8 53:12  
 55:15,16,22 56:3,8,9  
 56:13,19 57:8 58:1,8  
 58:15 60:14 65:12  
 67:13,14 71:4 73:16  
 76:18 77:9,11,19 79:1  
 92:18 95:13,15,18  
 98:1,6,9,11 119:8  
 124:19 130:1 160:19  
 174:5 175:18 191:9  
 207:12 235:8 236:15  
 236:18 268:9 294:9  
 309:5  
**committee's** 15:3 22:3  
 294:8  
**committees** 14:15 42:8  
 98:7,11  
**common** 59:22 72:15  
 72:17 145:7,7  
**commonly** 154:13  
 155:10  
**communicate** 294:14  
**communicated** 131:20

**communication** 149:13  
 275:10 288:1,20  
**Communist** 192:6  
**communities** 292:19  
**community** 20:11 92:20  
 143:22 235:13 295:5  
**comp** 101:11 147:7  
 162:1,2 187:3 196:20  
 269:10 294:12 295:10  
**companies** 223:16  
**company** 263:13  
**compare** 239:8  
**compared** 36:20 215:8  
 256:2  
**compassionate** 183:3  
**compensation** 1:3,5  
 3:17 4:5 13:13 36:5  
 100:2 106:12,18  
 117:17 134:7 138:20  
 138:21 152:9 187:3  
 207:21 242:13,14  
 267:18,21 278:3  
 280:21 295:17  
**competitors** 213:16  
**complain** 79:14 103:9  
**complaining** 50:9 84:4  
 84:12  
**complaint** 114:18  
**complaints** 57:10  
**complete** 163:16 216:1  
 238:13 270:19 299:17  
**completed** 80:5 89:7  
 216:7 271:6  
**completely** 215:17  
 223:13 236:14 284:11  
**completion** 230:2  
**complexity** 236:19  
**complicated** 60:9 66:3  
 97:18 110:16 164:15  
 173:18  
**comprehensive** 36:8  
**comprises** 33:7  
**compromise** 107:11  
 191:20  
**compromised** 193:7  
**computers** 255:6  
**concentrated** 244:17  
**concept** 118:11 293:4  
**concern** 23:17 50:1  
 54:12 72:11 75:4  
 172:21  
**concerned** 54:8 80:17  
 126:4 275:2  
**concerns** 47:11 62:14  
 83:14 173:1  
**conclusion** 140:13  
**concurred** 15:5  
**condition** 113:3 115:10

117:8,16 150:2  
**conditions** 48:2 49:2  
 59:19 60:2 71:13,14  
 76:19 105:3,5 121:20  
 241:15 261:10,13,14  
 261:18 262:7,16  
**conduct** 100:4 126:9  
 159:3  
**conducted** 208:3  
**conducting** 139:15  
**conducts** 100:1  
**conference** 1:12 101:4  
 295:14,18  
**conferences** 93:6  
 296:11  
**confidence** 232:2,17,19  
 234:18 237:14  
**confidential** 197:12  
**confirmation** 17:22  
**confirming** 200:13  
**confronted** 194:8  
**confusing** 107:10 110:7  
**confusion** 114:5,6  
 182:15,16  
**Cong** 153:22  
**Congress** 9:18 51:17  
 51:19,21 52:10,12  
 67:21,22 68:1,2,9  
 69:12 95:17 107:12  
 139:8 160:7 169:1  
 184:8,21 201:16  
 211:1 217:4 282:15  
 291:19  
**Congressional** 95:13  
 167:5  
**Congressionally-Dir...**  
 67:19  
**Congressman** 175:2  
 176:1  
**congressmen** 24:8  
 223:1  
**connect** 112:4,5 114:3  
**connectable** 165:9  
**connected** 76:21 108:7  
 111:9 113:4,10  
 115:13,16,18 116:4  
 117:1,13 120:4  
 141:19 145:2,4,20  
 158:8  
**connection** 100:7 108:2  
 110:15 117:19 119:8  
 119:20 137:17 141:4  
 141:12 142:3 158:20  
 176:22 183:17 193:15  
**connections** 88:5  
**consequence** 25:15  
**consider** 170:11  
**considerably** 30:17

**consideration** 211:4  
**considered** 232:13,14  
 246:14  
**considering** 219:16  
**consisted** 154:15  
**consistency** 100:15  
 122:22 130:16 148:4  
 228:22  
**consistent** 148:2  
**consistently** 32:16  
**constantly** 196:6 244:1  
**constitute** 72:2  
**constitutes** 142:9  
**construction** 176:21  
 199:3  
**Consulting** 2:5 4:16  
**contact** 124:22 125:8  
 246:11 292:14 296:15  
 297:7 298:19  
**contacted** 83:12 195:11  
**contagious** 283:8  
**contained** 91:5  
**content** 139:17  
**contiguous** 307:20  
**continental** 205:2,5  
**continuation** 273:1  
**continue** 65:6 145:16  
 201:11 246:19 296:20  
**continues** 45:22 102:11  
 201:21 270:1  
**continuing** 68:13 273:3  
 273:5  
**continuous** 287:21  
**contract** 134:21 135:9  
 166:6 186:16 213:4,7  
 213:10,17,21 218:19  
 260:2 265:11 269:6  
 269:11,13 270:9,12  
 270:16,21 271:2,4,8  
 272:4,22 273:10,12  
 273:15,18 274:9,19  
 276:12 281:19,21  
 285:3 286:1 308:20  
**contracting** 43:9 213:3  
 270:4,14 271:11  
 279:17  
**contractor** 133:21  
 134:17,20 277:8,11  
 279:7 280:11 281:2  
 281:17  
**contractors** 133:18  
 213:16 215:3 220:6  
 233:3 278:3,4 284:9  
 284:16  
**contradicted** 223:4  
**contribute** 140:7 213:3  
**contributed** 146:2  
**contributes** 69:11

**contributing** 210:16  
**contributor** 33:17  
**control** 206:21 230:3  
 290:5  
**controls** 66:16  
**controversy** 167:2  
 188:13  
**convenient** 16:8  
**conveniently** 293:8  
**conversation** 94:9  
 195:15 234:4 236:6  
 238:6 239:21 240:14  
 241:18 257:1 297:8  
**conversations** 305:17  
**conversion** 245:18  
**conveyed** 192:17  
**convinced** 198:5 297:9  
**cool** 283:2  
**coolness** 282:22 283:8  
 286:22  
**cooperate** 69:14  
**cooperation** 67:3  
**Cooperative** 41:8,16  
 42:2  
**coordination** 270:10  
**Corporation** 259:12  
 288:18  
**Corps** 8:1 10:8 101:12  
**corpsman** 7:22  
**correct** 146:15 199:21  
 275:20  
**correctly** 147:5  
**correlate** 259:19  
**correlation** 230:8  
 231:21 232:1,10,15  
**correlations** 229:22  
**cost** 256:14 270:4  
**cost-** 270:3  
**costs** 240:15  
**council** 42:10 69:17,18  
 70:1  
**counsel** 112:22 141:2  
 141:16 144:8 196:13  
**counseling** 292:12  
**count** 30:7 32:21  
 117:11 172:5 190:6  
 204:8  
**count's** 30:10  
**counter** 32:4  
**counteract** 47:3  
**counterpart** 68:21  
 69:21 70:21  
**countless** 95:4  
**countries** 73:8  
**country** 32:3 53:15 61:3  
 131:22 147:9 221:13  
 244:14 263:15 274:22  
 275:15 276:20 277:1

277:3 292:6 293:3  
 295:18  
**counts** 29:19,20 30:2  
**couple** 4:7 35:8 56:8  
 112:11 126:2 132:17  
 138:22 141:1 153:2  
 156:12 177:10 178:8  
 194:13 197:19 203:14  
 209:3 216:10 219:14  
 243:15 251:12 261:10  
 263:14 264:9 266:15  
 269:14 277:19 295:8  
 299:2 307:12 308:21  
**coupled** 234:18  
**course** 7:4 16:15 21:7  
 39:22 47:10 51:7 52:3  
 57:14 58:5 59:1,10  
 61:20 66:20 67:16  
 73:1 93:21 192:11  
 206:1 255:10,21  
 306:22  
**court** 100:18 141:1,5  
 142:3 143:11,12  
 146:6,7,10 162:10  
 164:16 171:5,10,10  
 171:14 210:11,22  
 213:9,11  
**cover** 70:18 89:9 151:9  
 286:15 308:18  
**covered** 59:2  
**CPAP** 113:13  
**CR** 273:1,2  
**Crawford's** 61:8  
**crazy** 250:17 267:13  
**created** 7:8 43:3 89:15  
 157:6 158:7 162:18  
 291:8  
**creature** 106:5,6  
**credential** 282:2  
**credentialed** 255:6  
**credit** 32:4  
**creek** 201:2,6  
**crew** 157:11 173:4,6  
**criteria** 112:8 159:6,13  
 209:15 301:4,11,16  
 301:21  
**critical** 26:6 109:19  
 247:3,4  
**criticism** 203:6  
**crocs** 153:15  
**cross-** 98:6  
**crowd** 87:20  
**cruisers** 169:17  
**culminated** 51:17  
**cultural** 147:12  
**culture** 257:6,7  
**cultures** 40:11 89:1  
**curiosity** 84:13 89:12

**curious** 11:3 24:3  
**currency** 136:13  
**current** 13:19 15:8  
 102:20 106:19 140:21  
 158:12,13 214:2  
 301:19,19,21  
**currently** 13:15 19:15  
 25:16 140:18 160:8  
 172:4 200:4 201:20  
 285:16  
**curve** 44:18  
**customer** 253:22  
**cut** 94:3 173:9 218:22  
**cutting** 240:18  
**CV** 20:14 21:4  
**cycle** 155:15,18 161:20

## D

**D** 40:10,22 41:6  
**D.C** 1:13 6:18 63:19  
 166:2  
**Da** 170:8 199:8  
**daily** 241:8 271:16  
**Dakota** 279:12 282:5,6  
**damaged** 46:21  
**Dao** 219:13  
**Dark** 169:12  
**darn** 219:16  
**data** 21:15 22:8 30:6  
 34:22 35:2 43:10,11  
 43:14,17 89:15 90:7  
 91:9,16 202:8 227:15  
 227:18,20 229:12,22  
 244:7,8 258:20 259:4  
 259:17,21 260:1,2,7  
 261:11,19 262:2  
 264:10,10,16 265:7  
 265:11,14,16 271:15  
 275:9 281:6 282:12  
 282:19 298:8,12  
 300:2  
**database** 44:15 223:17  
**date** 58:18 95:19,21  
 96:2 98:8 100:9 174:1  
 175:7,19 213:11  
 234:9 237:7  
**dating** 15:7  
**Dave** 304:17  
**DAVID** 2:4  
**day** 10:9 55:7 94:4  
 145:10 184:15,19  
 211:18 213:8 214:22  
 216:5 222:6 224:6  
 225:14 227:11 228:2  
 245:2 247:21 248:9  
 249:12 251:15,19  
 252:4,17 282:14  
 288:13,13 290:4  
 296:14 308:13,14  
**day's** 251:18  
**days** 45:22 67:11 71:21  
 97:4 215:5,9,17 216:1  
 219:8,16 221:22  
 222:3 225:12,17,18  
 225:22 226:1,14,17  
 226:20 227:1,2 233:8  
 251:12 255:15 267:12  
 293:19 299:17,18  
 306:19 307:20  
**days'** 224:22  
**DBA** 130:5 140:18  
**DBQ** 125:18,19,20  
 127:20 129:8,10,13  
 129:14 131:22 132:12  
 133:5 134:1,19 139:1  
 149:16,20 239:6  
 301:2 302:9,9  
**DBQs** 134:14 149:18  
 284:22 286:8 301:3  
 301:17,22 302:18  
 303:1 304:6  
**DD-** 168:2  
**de-identified** 43:17  
**dead** 254:11  
**deadline** 20:12 95:19  
**deadly** 155:4  
**deal** 50:1 60:9 77:7  
 87:19 94:14 100:15  
 103:11 117:22 157:18  
 160:16 166:22 203:15  
 237:1 261:8 297:19  
**dealing** 28:14 38:3  
 43:16 76:7 95:8 98:2  
**deals** 61:13 62:18  
**dealt** 53:8 89:22 113:10  
 164:16 171:4  
**dean** 63:11  
**decade** 214:13 265:4  
**December** 4:6 6:12 7:9  
 13:5,7 26:11 27:20,21  
 212:13 213:22 214:4  
**decent** 281:15  
**decide** 278:8  
**decided** 54:3 229:4  
 239:13  
**decides** 68:10  
**decision** 27:17 100:6  
 118:14 171:20 177:15  
 178:14,16,18,22  
 179:2,4 195:18 200:9  
 222:1 232:3,17,18,19  
 232:22 233:8 246:1  
 264:2  
**decisions** 177:16 195:8  
 200:10 243:22 263:22  
**declared** 45:19 246:18

**decorations** 7:17  
**decrease** 216:9 243:19  
**decreased** 25:2 26:4  
**decreases** 241:17  
**decreasing** 214:14  
**default** 274:19  
**defects** 181:14 183:15  
 202:5,14 203:4  
**Defense** 7:7 21:1 22:22  
 166:2 173:7 187:1,12  
 187:18,19,22 191:15  
 196:10 203:5  
**deferral** 228:17  
**deferrals** 229:17  
**define** 163:4 210:1  
**definitely** 137:2 211:13  
**definition** 105:8 110:11  
 141:7 246:6,6,7  
**degrade** 178:6  
**degree** 23:22 64:7  
**degrees** 186:13  
**deliberations** 15:1,13  
**delighted** 212:9  
**deliver** 170:2  
**delivered** 198:22 199:1  
**delivery** 40:17  
**demographics** 34:5  
**demonstrate** 303:22  
**denials** 152:21  
**denied** 89:21  
**denominator** 126:13  
**deny** 195:4  
**department** 1:1 7:7  
 32:19 61:1,3 166:2  
 173:7 187:1,12,18,19  
 187:22 195:12,21  
 196:10 203:5 213:10  
**Department's** 26:16  
**departments** 22:21  
 23:4  
**dependency** 24:2 25:1  
**dependents** 165:2  
**depending** 216:4 220:8  
 262:6 264:12 300:19  
**depends** 262:4 277:12  
 281:19  
**depleted** 76:3 82:13,18  
 83:13  
**deployed** 50:19 74:22  
 75:1,7 96:17,17  
**deployment** 61:17  
 69:14 70:17 71:13  
**deployments** 205:9  
**depth** 27:18  
**deputy** 6:20 17:11,11  
 23:2 39:19,20 70:4  
 256:10  
**Des** 184:13

**descendants** 165:4  
**described** 71:6  
**describing** 49:1 70:13  
**descriptions** 246:16  
**desert** 45:19 46:4,5,20  
 61:21 62:11 64:8 71:2  
 71:2 72:9,17 74:15,19  
 75:10,14 76:8 81:16  
 103:21 105:22  
**deserve** 122:8 182:20  
**design** 38:10 302:22  
**designated** 2:2,2 37:1  
**designs** 302:17  
**desirable** 192:13  
**desks** 255:6 293:18  
**desktop** 264:6  
**destroy** 153:14  
**destroyed** 155:8,9  
 156:5,11 176:6  
**destroyers** 169:16,20  
 169:22  
**detail** 28:17 42:21  
 103:13 108:15  
**details** 148:4 194:9  
 195:13 235:5  
**detect** 48:8  
**determination** 159:18  
**determine** 84:1,6 111:5  
 111:22 140:11 160:13  
 164:4 187:17 261:21  
**determined** 41:18  
 50:18 172:2 173:8  
 189:16  
**Detroit** 221:20  
**develop** 62:13 179:20  
 181:8 183:14 229:5  
**developed** 26:11  
 130:15 159:7 170:20  
 186:19 203:13 228:2  
 232:5,11  
**developers** 138:4  
**development** 33:13  
 36:4,22 37:12 40:16  
 42:15 53:18 88:17  
 92:8 165:20 175:1  
 185:13 216:21 217:12  
 218:12 226:21 227:10  
 238:2  
**developments** 27:8  
**develops** 145:11  
**deviate** 285:14  
**device** 49:17 113:13,14  
 262:19  
**DFO** 5:15 56:16  
**DFOs** 20:19 45:6 46:7  
**DHA** 147:7 246:17  
**diabetes** 110:17,21  
 143:5 159:15 210:10

**diagnosable** 49:7,16  
 60:3,4 105:2,5 110:4  
 111:11 113:3,22  
 114:1,2 115:10 117:7  
 123:15 128:17 137:21  
 141:18  
**diagnose** 114:11  
**diagnosed** 60:8 104:11  
 107:20 110:3 113:19  
 116:22 117:16 119:19  
 128:7 129:6 137:15  
 143:15,16 144:10,11  
 144:17 145:1  
**diagnosis** 65:16 66:8  
 67:6 107:22 111:15  
 113:12,14 117:5  
 123:17 127:22 129:21  
 144:7 150:2,6,9,12,14  
 163:17  
**diagnostic** 79:18 110:2  
 300:3  
**diagnostics** 85:11  
**DIANE** 2:8  
**dictates** 100:6  
**dictionaries** 144:1,6  
**died** 164:9,22  
**Diego** 61:2  
**diesel** 156:19  
**difference** 74:6 75:1  
 102:14 118:1 119:3  
 144:21 160:22 299:1  
**different** 41:12 51:15  
 60:19 62:4 65:2 66:2  
 66:2 73:19 74:3,4  
 88:18 91:3 92:22 96:7  
 107:6 137:18 158:8  
 205:19 219:1 236:12  
 237:16 239:19 245:4  
 257:1 262:20 268:2  
 270:7 274:11,11,21  
 275:1 277:16,19  
 278:12 283:6 284:14  
 288:16 291:16 295:10  
 300:18  
**differential** 75:3,4,8,12  
**differently** 66:22  
**difficult** 79:8 81:12,13  
 91:11 137:3 279:3  
**difficulties** 296:13  
**difficulty** 68:8 101:15  
**dig** 181:1,3,4 227:13  
**dilemma** 196:20  
**dinner** 45:15  
**dioxin** 155:1,11 156:15  
 176:18 178:1,9  
 179:11 180:6,8 210:2  
**dioxins** 180:11  
**dipped** 231:2,3

**direct** 119:21 208:8  
 242:15 243:1 246:4,5  
 246:6 247:12 250:6  
 250:10 251:6,17,21  
 274:9  
**directed** 16:22 303:11  
**direction** 217:1 259:7  
**directions** 16:11  
**directly** 170:12 190:3  
 199:8 246:13  
**director** 6:20 34:4  
 134:7 193:2 217:22  
 250:3 267:19,22  
 294:11 295:11 305:2  
**directors** 248:15  
**directors'** 249:19  
**directs** 271:19,21  
**disabilities** 120:8  
 121:21 126:22 132:15  
 140:3 177:1  
**disability** 1:5 4:4 13:12  
 19:16 23:18 24:21  
 25:6 100:1 104:4,4,8  
 104:8 105:15 106:11  
 106:18,19 108:8  
 109:15 116:1,9 119:4  
 121:2 152:8 158:9,12  
 158:13 190:2,7 284:3  
 285:15 303:9  
**disabled** 21:18  
**discharge** 120:14  
**discharged** 120:12  
**discipline** 224:10  
**disclaimer** 5:1  
**discover** 162:12  
**discretionary** 270:9,22  
**discuss** 166:8 212:13  
**discussed** 6:13 14:2,4  
 26:10 27:2,20 135:18  
 196:4,4 207:12  
**discussing** 207:14  
**discussion** 21:13 26:12  
 27:22 183:22  
**discussions** 8:6 29:16  
 229:19  
**disdain** 123:6  
**disease** 63:16 106:8,20  
 109:11 111:14 133:16  
 144:9 158:14 159:14  
 160:15 162:9,13,15  
 163:9,22 173:21,21  
 210:10  
**diseases** 101:21 103:16  
 103:19,19 105:19  
 106:9,9 116:22 128:1  
 137:21 157:14 158:7  
 159:3,13 161:1,22  
 210:3,9,17 211:5

**disincentivize** 229:7  
**disinterested** 233:21  
**disorder** 113:6,7  
 119:14  
**disorders** 48:2,3  
 105:11  
**disorganized** 108:17  
**disparagement** 289:21  
**dispersed** 97:12  
**distance** 178:18  
**distinction** 77:8 170:4  
 208:10  
**distinguished** 169:14  
**distributed** 34:1 186:1  
 219:19  
**distributing** 220:11  
**distribution** 20:8  
 221:17 222:14  
**district** 248:14,15  
 249:18 250:3  
**districts** 219:1,2 305:4  
**disturbances** 112:19  
**disturbed** 176:20  
**divert** 53:19  
**division** 295:17  
**DMZ** 172:21 173:1,9,14  
 174:15 175:22 176:3  
 176:22 181:16 187:5  
**doc** 7:22 8:15 61:16  
 84:14 96:4  
**docs** 38:10 60:19 67:8  
 74:9 84:13  
**doctor** 9:16 135:11  
 161:14 186:10 272:17  
 281:13  
**doctors** 38:12 117:22  
 233:3 240:4,8,9 265:8  
**document** 191:10,11  
 192:3  
**documented** 192:19  
**documents** 21:3 56:6  
 172:21 175:4 187:12  
 187:18,19  
**DoD** 50:7,16 51:16 52:3  
 52:6 67:16,16 68:4,8  
 68:14,16,21 69:4,7,11  
 69:13,19,21 70:3,6,21  
 71:7,17 81:9,20 95:18  
 97:7,15 174:20  
 191:11 197:15 200:8  
 203:11  
**dog** 193:10  
**dogs** 192:18 193:17,22  
**doing** 25:1 29:19 37:20  
 38:11,13 57:9 58:21  
 61:12 64:18 65:13  
 68:17,17 70:7 81:3  
 82:4 83:22,22 196:5

213:11,19 215:4  
 217:17 218:9,22  
 219:9,12,13,15 221:8  
 222:13 247:22 248:17  
 250:19 253:18 257:20  
 260:6 261:11 273:17  
 284:5,21 285:17  
 288:12,17 290:16  
 297:12 301:1 304:9  
 305:13,13  
**dollars** 38:20,21  
**Donald** 7:21  
**door** 216:5 222:12  
 228:5 243:10,17  
 260:19  
**door's** 143:2  
**doors** 287:19  
**Doris** 1:16 6:5 18:18  
**double-funded** 69:9  
**double-funding** 69:2  
**doubt** 165:13  
**downstairs** 225:15  
**dozen** 78:17  
**draft** 302:19  
**drafted** 302:10  
**dragging** 299:20  
**drags** 232:18  
**dramatically** 194:13  
 291:10  
**draw** 229:22 305:8  
**dress** 47:16  
**dried** 186:6,12 188:4  
 189:1,11 208:11  
**drive** 216:20 222:15  
 254:22 263:5  
**driven** 38:1  
**driving** 32:16 235:5  
 243:17 250:3  
**DRL** 124:13  
**drop** 232:6,7,8,8  
**droplets** 101:14  
**dropped** 243:12,20  
 255:19  
**drops** 261:1  
**dry** 201:2,6  
**DSOs** 147:1  
**dual** 239:12 300:4  
**due** 6:5 35:8 121:10  
 123:20,20 192:20  
**Duffy** 6:20  
**duplicate** 68:19  
**duration** 108:8,9  
**dust** 46:20 72:13 83:13  
 96:22  
**Dutch** 73:9  
**duty** 94:15 158:4 190:4  
 205:15,17,18,19,21  
 207:14

**DVA** 89:15,17 90:7,12  
 90:17,18 115:5  
 177:13 186:11 271:6  
 286:1  
**dying** 192:19 193:17

---

**E**


---

**E** 7:22  
**E-R-R-A** 219:22  
**earlier** 67:4 69:12 84:1  
 94:9 103:7 116:11  
 138:3 176:5 273:14  
 302:10 303:3  
**earliest** 50:17  
**early** 11:11 49:4 50:5  
 54:13 61:19 71:17  
 74:18,18 154:11  
 183:21 203:17 208:16  
**ears** 238:15  
**ease** 294:8  
**easy** 36:19 79:9 134:18  
**eat** 266:2  
**eating** 45:15  
**echo** 291:16  
**economist** 13:17  
**edges** 271:13  
**edit** 300:1  
**educated** 227:19  
 233:22 234:20 236:8  
**education** 21:12 92:5,7  
 92:11  
**Edwards** 11:19  
**effect** 33:9 157:9  
 222:14 270:4,11  
 289:17 301:7  
**effective** 234:9  
**effectively** 31:13 40:18  
**effects** 47:4 54:5 77:22  
 103:9 140:8,12  
 146:12 157:4 179:21  
 180:16 181:8 183:8  
 184:9,20  
**efficiently** 40:17 293:9  
**effort** 70:12 93:18  
 162:16  
**Eglin** 186:19 208:14,14  
**eight** 12:14 65:10  
 184:14 192:11 221:4  
 250:7  
**Eighth** 1:12  
**either** 19:21 26:5 35:9  
 81:20 199:8 237:19  
 271:3  
**Elder** 1:18 6:2 18:16  
 148:14 267:2 306:10  
**elect** 233:7  
**elected** 228:16 234:17  
**election** 244:1

**electrical** 156:20  
**electronically** 283:5  
**elevated** 75:17 96:15  
**eleven** 103:7  
**eliminate** 154:2 211:1,3  
**eliminated** 208:13  
 291:8  
**eliminating** 293:5  
**Ellen** 174:3 191:8  
 192:16,17 193:3  
**email** 53:13 57:12  
 252:20  
**emanate** 189:2  
**emanating** 189:12  
**embedded** 82:22  
**embracing** 298:6  
**emphasis** 44:11 46:4  
 65:14  
**emphasize** 39:1 211:10  
**emphatic** 122:11  
**employee** 227:14  
 228:20 251:13,14  
 252:18 297:16  
**employees** 26:19  
 227:16 229:1,10,20  
 245:10,11,12,13  
 279:16 288:20 293:22  
 294:15 296:12  
**empty** 244:5 293:18,19  
**encompasses** 139:12  
**encourage** 119:15  
**encouraging** 32:2  
**ended** 46:1 102:6  
**Enduring** 102:16  
**enemy** 7:6 153:14  
 154:3 166:16  
**engage** 19:11  
**enhancements** 291:22  
**enjoyed** 306:17  
**enlisted** 64:6 65:3  
**enroll** 43:5  
**enrolled** 22:5 73:22  
**entered** 101:3  
**enterprise** 162:14  
**entire** 68:13 183:14  
 202:7,20 276:20  
 293:15  
**entirely** 80:15 91:2  
 263:8  
**entry** 245:10 246:20  
**environment** 46:20  
 72:12 76:8 103:20,21  
 106:1 155:9,12,13  
 156:22 176:6,8 178:1  
 180:9 186:14  
**environmental** 62:18  
 62:19,21 102:10  
 140:4

- environments** 178:9  
**EPA** 97:6 154:21 180:2  
**EPA-approved** 210:6  
**epidemiologist** 62:10  
 62:10,16  
**epidemiology** 74:19  
 87:4,8  
**EPR** 251:13  
**equals** 224:17  
**equipment** 272:18  
**equipped** 297:8  
**era** 43:5 44:2 50:2,3  
**eras** 43:6 70:18  
**Erickson** 87:21,22  
**Erickson's** 86:20,22  
 131:17 139:14  
**ERRA** 219:22 220:5  
 271:15 284:3  
**error** 263:5  
**especially** 23:2 37:6  
 168:10 177:9 240:3  
**essential** 246:18  
**essentially** 102:12  
 112:8 116:21 126:7  
 139:9 160:4 190:10  
 191:12 192:3 210:20  
 214:14  
**establish** 307:20  
**etcetera** 91:18  
**eternity** 9:3  
**etiology** 110:6,10 111:7  
 111:13,15 128:19  
 129:4 131:9 141:9  
 143:11,19,21 144:5,9  
 144:11 146:4  
**Euphrates** 103:22  
**Europe** 219:10  
**evaluate** 128:21 139:21  
 237:3 300:14  
**evaluated** 107:5 304:22  
**evaluating** 303:8  
**evening** 45:16  
**event** 6:15,22 106:20  
 158:14,17 295:15  
**events** 258:6,7  
**eventually** 34:16  
**everybody** 5:22 8:21  
 20:20 30:2 36:1 45:10  
 50:6 73:22 75:5,6  
 93:21 122:4,6 124:21  
 130:7 162:2,19 177:4  
 195:7 223:14 233:9  
 236:16 239:11 267:20  
 292:21  
**evidence** 76:13 77:2  
 103:8 106:19,19  
 108:3,10 109:4,14  
 113:19 146:11 157:13  
 159:12,18,21 161:3,7  
 166:20 175:11,21  
 176:7 177:20 180:6  
 183:9 184:20 185:5,6  
 187:16,17 188:3,22  
 196:3,11,14,19 197:1  
 197:7,10 198:18  
 199:19 200:1,4,5,16  
 201:8,11,20 202:4,10  
 202:16 203:2 207:9  
 211:13 225:10 228:10  
 232:12,13 233:13  
 234:22 241:11  
**evolve** 194:7,7  
**evolved** 223:11  
**exact** 230:11 253:14  
**exactly** 79:5 164:3  
 227:21 261:20  
**exam** 100:4 109:10,11  
 109:13 117:17 121:9  
 121:12 122:12,15,15  
 124:4,9,14,16 125:4,5  
 125:8,20 127:19  
 130:8 133:14 134:15  
 218:20 219:18 220:19  
 225:4,4,8,9 233:2  
 234:5 268:17 269:6  
 269:11,11 270:19  
 271:18 272:8,11  
 274:2 275:3 276:8  
 277:2,9,14 278:20  
 284:10 289:9 300:16  
 301:7  
**examination** 109:1,4  
 113:21 121:16 123:18  
 140:21 147:6 271:20  
 277:18 303:4  
**examinations** 100:2  
 112:14 126:9  
**examinators** 130:16,17  
**examine** 109:20 111:21  
 292:10 303:15  
**examined** 82:20 120:14  
**examiner** 105:16,16  
 109:19 111:4,19,20  
 111:21 112:2 113:22  
 114:10,16,22 117:7  
 117:17 118:18 123:14  
 124:3 125:21 127:21  
 131:20 143:3 246:10  
 280:4 284:14  
**examiner's** 118:13  
**examiners** 86:19 87:17  
 100:12,12 107:7  
 108:20 112:8 114:6,7  
 114:9,9 115:6 116:18  
 117:22 118:2,10  
 122:10 128:20 130:17  
 131:13 140:22 148:2  
**example** 41:5 72:17  
 86:19 114:5,10,16  
 142:13 153:3 185:8  
 277:8 279:11 280:22  
**examples** 110:17  
 111:18 143:5 242:11  
**exams** 122:9 125:18  
 126:14 127:8,11  
 133:18 134:22 136:2  
 136:9,10,13 138:5  
 149:7 213:3,17 215:3  
 215:5,11 219:9  
 220:15 249:8,10  
 269:13 270:5,19,20  
 271:1,5 272:22  
 278:14 280:7 286:1  
 286:19 301:1 308:21  
**excellent** 95:8 256:4,7  
 286:2 306:15  
**exception** 246:3,15  
 263:1  
**excerpt** 56:11  
**excited** 44:8  
**exclude** 141:11  
**excluded** 27:12,12,15  
 111:3 141:22 142:1  
 246:20 250:15  
**excludes** 133:8  
**exclusion** 246:22  
**exclusive** 105:14,14  
**excuse** 9:10 78:6 85:4  
 130:16 232:5 242:14  
 291:3  
**executive** 51:22 52:2  
 69:17 70:1 170:22  
 242:16  
**exemptions** 94:10  
**Exercise** 249:21  
**exhaustive** 47:10  
**exist** 178:9  
**existing** 303:6  
**expanded** 41:10 60:14  
 269:14 277:9  
**expanding** 197:5 270:4  
 273:19  
**expect** 17:8 65:12  
 77:19 192:6 234:8  
 289:16 295:10  
**expectation** 227:8  
 234:15  
**expected** 97:18 258:11  
 307:11  
**expecting** 89:8  
**expense** 233:4  
**expensive** 245:9  
**experience** 13:22 30:13  
 85:6 123:8 272:6  
 281:5 294:14,19  
 298:1  
**experienced** 29:7  
**experiencing** 119:13  
**expertise** 60:19 64:2,15  
 65:1 85:22 211:16  
 307:4  
**Expiration** 95:20,21  
**expired** 160:7  
**explain** 66:21 108:17  
 167:16 175:18 181:17  
 181:19 204:9 211:2  
 242:9 254:6  
**explained** 204:3 240:4  
 240:8 256:13 265:6  
**exploded** 9:5  
**exposed** 66:19 82:18  
 87:5 101:9 102:9  
 165:14 167:6 169:9  
 174:8 178:2 179:18  
 179:19 180:21 181:7  
 186:6,15 188:15  
 195:22 198:6 206:5  
**exposure** 158:1 159:5  
 166:11,21,22 167:18  
 170:15 171:9,17  
 172:11,18 173:19,22  
 174:11,14 176:10,19  
 181:14,17 182:21  
 183:7 184:10 185:14  
 187:4 188:4 189:17  
 189:19 193:3,9  
 198:12 202:5 204:19  
 207:10,21 208:10  
 209:7,13,19 210:4  
**exposures** 46:14 62:21  
 72:20 101:7 139:10  
 140:4  
**expressing** 23:17  
**extend** 15:21 176:2  
**extended** 21:14 22:13  
 22:17  
**extensions** 214:3  
**extensive** 56:3,10  
**extent** 72:1 73:10 89:20  
 91:15 293:6  
**external** 271:12 285:7  
**externally** 285:1  
**extra** 245:5 252:5  
 255:12 257:16 271:13  
 287:8  
**extract** 224:3  
**extreme** 203:5  
**extremely** 235:14  
**eye** 7:2  
**eyes** 263:3

**F** 2:5 3:4  
**face** 99:16 113:2 211:7  
**facilities** 63:7 85:7  
 124:20 131:21 233:3  
 276:17 277:5,6  
**facility** 61:5 63:16  
 94:18 276:10 277:14  
 279:19  
**fact** 7:18 9:14 13:13  
 60:10 76:20 91:20  
 119:16 122:9 127:12  
 132:11 192:17 206:17  
 215:2 221:3 292:17  
**factor** 215:11 263:18  
**factors** 146:2 161:16  
 277:4  
**facts** 157:17,18 183:1  
**faculty** 62:3 63:14  
**Fahrenheit** 186:13  
**fail** 33:21 300:1  
**fail/safe** 263:11  
**fail/safes** 287:4  
**fair** 148:3 178:13  
 207:13,13 303:18  
**fairly** 23:16 56:3 68:20  
 134:18 290:5  
**fall** 22:4 104:9 127:18  
 152:1 161:2,2 206:20  
 281:11,13  
**fallen** 8:16  
**falling** 34:16 105:16  
 216:4 217:21  
**falls** 40:9  
**familiar** 8:5 62:21 268:4  
 276:17 286:7  
**fan** 55:20  
**fantastic** 284:4  
**far** 80:20 83:8 200:16  
 215:7 287:4  
**fast** 107:2 237:12  
 290:21  
**faster** 290:13 299:19  
**fatigue** 47:20 48:7  
 49:14 105:9 114:18  
**faulty** 182:9,11  
**favor** 171:14  
**Fay** 1:17 5:11,11 26:22  
 27:10 30:16 31:5,8  
 256:2 257:5,14  
 258:13,18 263:7,10  
 264:14 265:22 268:7  
 273:5,8 287:13,18  
 291:3,18,21 293:4,11  
 293:15  
**February** 10:4 20:3  
 45:17 53:3 54:1,22  
 55:6  
**fed** 261:10 271:15

**federal** 2:2,2 20:5 21:6  
 37:1 45:6 53:14  
 171:18,19 205:6  
 213:9 237:21 243:7  
 243:18 302:11,21  
 303:13  
**fee** 281:9  
**feed** 42:9 275:9  
**feedback** 33:2 195:5  
 254:1  
**feeding** 38:4 229:13  
**feeds** 38:12 58:6 87:17  
**feel** 21:4 65:4 74:8  
 167:6 170:13 213:20  
 295:12  
**feet** 61:11  
**felt** 107:13 161:15  
 176:2  
**female** 11:4 106:5  
 129:12 183:12,13,20  
 184:4 298:16  
**females** 121:22  
**fence** 305:8  
**fenced** 304:15  
**fenced-in** 192:13  
**fewer** 94:5,5  
**FFRDC** 259:11  
**fibromyalgia** 105:9  
 116:13 123:16 142:13  
 142:14  
**fictitiously** 291:6  
**fide** 166:21  
**field** 25:7,12 77:13  
 124:1 133:2,9 137:3  
 138:4 208:4 283:9  
 294:13  
**fields** 61:11  
**Fifty** 296:11  
**fifty-five** 296:12  
**Fifty-three** 254:16  
**fighting** 28:3  
**figure** 31:4 261:19  
 272:6 289:14  
**figured** 291:7  
**figuring** 272:13  
**file** 26:1 113:12 124:12  
 132:4 168:12 237:5,7  
 293:19  
**filed** 127:6,7 132:3  
 171:5 213:9 232:16  
 260:10  
**files** 113:11 221:12  
**filing** 108:22 128:6  
 232:9  
**fill** 145:9 274:18 284:22  
**filled** 58:18 235:11,12  
 284:11  
**filling** 149:17

**filtered** 131:12,16  
**filtering** 307:22  
**filters** 56:16  
**final** 178:14,18,21  
 179:1,3 237:20 238:1  
 238:5 299:8 301:12  
 302:10,22 304:6  
 306:20  
**finality** 179:6,7  
**finally** 9:4,18 111:14  
 159:21  
**financial** 286:18  
**find** 30:3 81:13 168:11  
 188:19,21 202:16  
 230:16 232:10 247:8  
 279:14 287:19  
**finding** 47:21 231:22  
 258:20  
**finds** 84:3  
**fine** 49:12 83:12 233:11  
 304:1  
**finished** 15:9 29:18  
**Fiona** 61:8  
**fire** 45:18 46:22  
**fires** 72:14 97:1,4  
 101:10 102:2  
**first** 4:5,8 6:9 9:15  
 11:16 26:7 31:14  
 36:18 48:17 50:8  
 67:18 82:14 101:8,13  
 101:22 102:4,10,19  
 108:7,18 120:22  
 121:4 132:2 168:9  
 170:22 179:17 194:7  
 212:22 214:12 220:12  
 222:11,12 232:4  
 239:21 257:8 260:3  
 261:22 266:7 269:12  
 272:1 274:3 295:18  
 301:10  
**first-line** 229:14,18  
**fiscal** 269:17 299:8  
**fit** 122:6  
**five** 25:5 26:8 41:11  
 88:11 155:2 191:5,7  
 213:15,16 219:1  
 223:11 226:20 230:12  
 238:1 242:6 244:12  
 256:6 257:20 261:13  
 261:14 282:10 283:13  
 295:1  
**five-day** 226:11  
**fix** 231:8 238:19  
**flack** 217:3  
**flames** 97:11  
**flat** 248:12  
**flavor** 245:9  
**flea** 101:20

**flew** 189:19  
**flexes** 258:5  
**flexibility** 269:20  
**flight** 64:21 195:1  
**flipped** 273:21  
**flipping** 304:12  
**Flohr** 162:1  
**floor** 1:12 281:11,13  
**Florida** 29:11 30:6  
 34:10,13,17  
**flown** 186:3  
**fluctuates** 146:21  
**fluid** 272:9  
**fluidly** 275:14 283:5  
**flux** 146:9,10  
**fly** 247:6 279:21 280:11  
**flying** 97:12 249:18  
**focus** 23:22 46:6 65:10  
 91:12 167:20 213:2  
 253:22 307:9  
**focused** 49:21  
**focusing** 251:3  
**FOIA** 197:15  
**folks** 37:19 44:16 52:5  
 55:13 57:6 60:18,21  
 65:3 66:19 69:5 70:3  
 74:21,22 75:2 79:3  
 82:17 83:17 88:5 91:9  
 92:9 96:15 97:6,20  
 216:19 217:2 231:6  
 250:2 269:7 274:12  
 278:11,13 280:5  
 282:14,14 283:9  
 285:10 286:14 295:19  
 296:22,22 297:15  
 298:12 300:8 304:21  
**follow** 35:2 96:12 99:10  
 130:5 183:2 185:3,4  
 209:16 274:15,20  
**follow-** 29:3  
**follow-up** 82:12  
**followed** 13:6 34:9,12  
 83:15 112:9  
**following** 22:20 23:7  
 29:9 87:6 138:11  
**food** 153:15  
**Force** 64:5 157:10  
 165:19 181:6 185:18  
 186:19 188:8 191:2  
 195:12,21 196:10,14  
 205:7  
**Ford** 290:10  
**forefront** 296:3  
**forensic** 280:6  
**forensics** 278:13  
**FORGOSH** 2:4  
**forgot** 23:11  
**forgotten** 97:9



**form** 221:13 261:15  
**formal** 26:2 268:13  
**formation** 51:19  
**former** 61:4 64:11  
 84:10  
**formula** 233:16  
**formulate** 16:21  
**Fort** 62:5 63:6  
**forth** 91:17 161:12  
**Fortunately** 243:5  
**forward** 8:11 17:16  
 18:12,22 20:18 26:13  
 28:20 77:14,20 161:9  
 228:19 246:8 266:16  
 282:11  
**forwarded** 20:7  
**found** 10:15 22:9  
 193:19 235:14 263:7  
**foundation** 24:10 61:10  
**four** 25:5 26:8 40:2 59:4  
 80:9 88:11 109:20  
 111:18 112:7 125:21  
 127:21 129:11 214:15  
 242:5 250:8,22  
 255:16 258:9 288:7  
**four-day** 45:18  
**fourth** 70:16  
**foxhole** 181:1,3,4  
**fragments** 35:15 82:22  
**frame** 13:9 254:18  
 269:8  
**Fran** 63:2  
**frankly** 97:14 134:17  
 236:7  
**free** 21:4 99:7 206:12  
**Freedom** 102:16  
**freeze** 27:2,13,15 94:9  
 243:4 245:19 246:4  
 274:14 285:5  
**frequency** 133:22  
**frequently** 261:14  
 271:16  
**Friday** 5:2 19:21 238:7  
**front** 64:19 111:20  
 143:12 233:13 275:6  
**frustrated** 140:17  
**frustrating** 65:19  
 283:17 286:8  
**frustration** 79:22 80:15  
 95:1 99:17  
**FTE** 256:14  
**fuel** 156:7,19  
**Fuels** 47:6  
**Fuentes** 6:21  
**fulfill** 302:2  
**full** 20:14 21:4  
**full-time** 293:22  
**fully** 15:16 26:11 30:12

232:5,11  
**function** 83:7 246:19  
 247:3,4  
**functional** 105:11  
 116:14  
**fund** 39:7 68:10 81:2  
 91:8 93:13 242:12  
**funded** 37:18 38:15  
 68:9 69:1 88:12 90:6  
**funding** 37:16 39:9 81:6  
 88:16 89:5 270:8,9  
 273:7  
**funds** 38:17,21 68:11  
 68:14 69:7,8 84:21  
**funny** 282:8  
**further** 20:8 123:6  
 229:5  
**future** 16:9 22:12  
 147:18 211:8 259:2  
 291:4  
**FY17** 269:17  
**FY18** 299:9

## G

**G** 1:12  
**G.I** 64:7  
**Gagetown** 203:15,16  
 203:17 204:10 207:5  
**gallons** 155:3  
**game** 65:21  
**GAMMONS** 2:4 284:1  
 286:6 289:4  
**gamut** 39:15  
**GAO** 2:4 213:8 238:7  
**gargantuan** 58:21  
**gas** 101:19  
**gastrointestinal** 48:1  
 105:11 116:14  
**gathering** 240:11  
**gavel** 266:6,6  
**general** 20:2 41:19  
 74:17 75:17 78:2 99:2  
 104:3 106:13,17  
 112:22 115:18 117:13  
 126:21 132:9,16  
 141:2,16 144:8,12  
 158:11 161:13 196:13  
 220:20 266:21 268:9  
 286:6  
**generally** 24:1,4 91:13  
 108:16 113:20 120:16  
 126:10 270:17 278:10  
**generated** 140:15  
**generational** 184:21  
**generous** 250:21  
**genetic** 43:9,10,21  
**geneticist** 61:9  
**genetics** 45:4 66:5

**genomic** 43:1 44:15  
 45:1  
**genomics** 45:4 67:1,2  
**gentleman** 9:8 21:9  
 288:22  
**gentlemen** 212:9  
**geographic** 276:2  
**George** 1:17 5:11 268:3  
**Georgia** 220:13  
**Germany** 219:10  
**getting** 23:22 33:22  
 44:8 50:4 57:18,19  
 59:6 66:7,10 81:1  
 91:10 119:12,21  
 126:15,16 127:8,9,10  
 131:1 135:10 170:14  
 195:4 211:18 216:11  
 225:17 247:2 249:14  
 255:5 256:17 257:8  
 265:7 283:1 288:3  
 289:13 299:19  
**GI** 21:12  
**giant** 266:2  
**Gibson** 256:10  
**Gingrich** 64:12,13  
**give** 25:18 33:2 37:4  
 39:5 45:3 47:14 56:18  
 65:12 80:8 88:13,15  
 89:10 101:5 109:3,12  
 113:20 121:12 122:15  
 122:15 124:9 125:6  
 133:18 168:19 175:9  
 209:15 227:3 229:2  
 230:9 235:4 242:11  
 261:17 284:12  
**given** 33:20 38:16,18  
 39:14 43:22 48:15  
 55:17 78:10 110:17  
 111:20 122:9 125:17  
 155:1 160:12 209:12  
 212:22 214:22 217:22  
 227:15 242:12 244:6  
 290:12,13  
**gives** 39:16 42:4 55:14  
 56:11 60:12 89:3,6  
 196:21 248:8 251:17  
 251:19 269:20 301:8  
**giving** 53:5 58:5 109:1  
 174:13 189:18 209:16  
**glad** 67:1 98:4 152:9  
 206:6 261:2  
**glimmers** 283:1  
**GMPAC** 42:22  
**goal** 217:21 254:20  
**God** 96:22  
**Golly** 11:20  
**goodness** 58:10  
**gotten** 26:18 56:7 67:2

147:14  
**government** 68:12 97:5  
 153:11 200:13 207:4  
 281:3 303:14  
**grade** 224:17,18,18,18  
**grandchildren** 54:9  
 184:17  
**Granger** 1:18 6:2 18:17  
 266:21 267:1,2  
 306:14  
**grant** 119:7 126:4,19,21  
 127:5 134:13,13  
 146:15,16,21,22  
 147:5 176:22  
**granted** 119:20 127:13  
 127:14,17 195:6  
 209:3  
**grappling** 197:3  
**grateful** 13:10  
**green** 154:12 248:10,11  
 249:15 251:2  
**Gregg** 2:7 5:5  
**grenade** 8:17,19,20 9:1  
 9:5  
**grief** 57:21  
**grip** 122:20  
**ground** 45:17 97:13  
 170:1 270:12 290:21  
**group** 4:17 40:19 44:3  
 50:17 65:7 69:15,16  
 69:22 70:17,18 79:20  
 82:13 83:18 86:20,22  
 87:6,11 90:7,8 97:5  
 100:1 102:9 123:13  
 131:17 135:4 139:15  
 140:1 141:13 154:10  
 161:15 171:4,4  
 177:11 186:4,5  
 195:17 196:22 277:7  
**groups** 69:13,16 71:10  
 72:4 100:20 197:13  
 210:14  
**grow** 214:20  
**grown** 76:6  
**Guam** 168:7,17 177:8,9  
 198:17 199:10 201:12  
 201:13,14,16 202:6  
 202:12,12  
**guarantee** 17:17 257:19  
**guaranteed** 81:19  
**guard** 14:13 50:17  
 192:18 193:10,17  
 203:20,21 204:1,7,11  
 205:13 207:3,9  
**Guard's** 205:3  
**guards** 193:11  
**guardsmen** 207:14  
**guess** 33:3 46:15 57:20

99:11 102:22 124:13  
193:8 203:9 206:9  
289:7 306:19  
**guesses** 227:19  
**guidance** 14:22 16:10  
**Gulfport** 199:3 209:7,8  
209:10  
**gunfire** 170:1

---

**H**


---

**Haas** 171:1,7  
**Hal** 1:16 6:1 18:9 85:1  
85:20 120:18 148:9  
306:9  
**half** 26:1 38:8 136:4  
222:5 231:11 237:17  
254:18 293:21 294:2  
296:19  
**half-** 179:12  
**half-life** 176:18 177:19  
**halfway** 44:6  
**hall** 184:12  
**hand** 85:13 113:15  
153:9 154:1 157:11  
157:11 166:12,19  
185:20 224:2  
**handle** 59:6 259:5,14  
**handled** 157:12  
**handlers** 193:10  
**handling** 237:3  
**handout** 99:10  
**hands** 213:10 226:10  
252:16  
**hands-on** 247:12  
294:14,19  
**hanker** 292:17  
**happen** 80:9 91:21 92:1  
120:15 137:16 218:21  
255:1 298:5  
**happened** 9:2 83:17  
96:19 124:17 145:18  
168:8,8 214:18,22  
221:18 255:3,9  
272:17 281:10,12  
297:18  
**happening** 77:12,12,15  
125:12,13 227:21  
275:11  
**happens** 24:13 32:9  
80:3 109:13 124:8,9  
225:19 233:18 284:15  
284:15  
**happy** 16:18 19:9 28:15  
256:17 278:22  
**harbors** 170:7  
**hard** 48:11 237:11  
274:18,22 280:16  
**harmful** 166:15 180:16

**Harris** 61:13 64:16  
**Harry** 10:6  
**Harvard** 63:14 189:11  
**Hauser** 60:22  
**Hawaiian** 202:2  
**hazard** 180:11  
**hazards** 102:10  
**he'll** 6:4 7:18 17:19 19:4  
**head** 195:14 299:4  
304:16 307:15  
**headcount** 244:22  
**headed** 185:2  
**headquarters** 283:10  
305:4  
**heads** 51:12 295:16  
**headway** 14:12  
**health** 14:18 39:18  
40:15 48:18 53:1  
57:18 60:6 61:17  
63:11,22 69:15,17,20  
70:17 73:19,20 74:7  
76:14 77:2,22 79:6  
81:5 86:20 87:1,3,14  
87:16,18 88:21 90:20  
91:12 92:9,10 103:9  
126:8 131:18,19  
140:8,11 157:4,8,9  
161:20 179:21 180:11  
181:8 183:8 184:20  
241:1,4,6,10 265:2  
278:1,17 279:11,13  
280:13  
**healthcare** 37:8,9 38:2  
40:17,20  
**healthy** 278:22  
**hear** 16:14 19:9 75:9  
76:2,2,8 132:14,18  
217:3 232:21 277:22  
**heard** 16:2 24:8,11,15  
26:10 45:21 74:8 94:8  
99:15 109:22 113:17  
138:12 147:5 232:21  
239:18 282:20 288:17  
296:5 307:17  
**hearing** 17:22 23:8  
171:12 199:17 222:21  
250:16 261:9 262:5  
265:17,21 266:17  
**hearings** 189:10  
**heart** 159:14 162:15  
210:9 294:8  
**heartbeat** 66:16  
**heavy** 153:20  
**held** 93:5  
**Hello** 267:20  
**help** 122:12 152:17  
238:22 276:21 297:20  
**helped** 297:2

**helping** 21:20 267:3  
288:9  
**helps** 145:9  
**Henry** 290:10  
**herbicide** 153:8 154:20  
167:11,12 192:14  
209:21 210:3,5 211:2  
211:4  
**herbicides** 154:10  
167:8,8 175:14 198:8  
**Heritage** 195:12  
**Hershel** 10:2  
**hesitate** 79:13  
**Hey** 241:20 262:22  
275:11 287:5  
**HHS** 81:4 97:7  
**hi** 4:11  
**hierarchy** 159:8  
**high** 70:5,6 83:1 97:12  
147:10 173:7 181:7  
225:13 262:3 263:4  
**high-level** 299:5  
**high-risk** 238:8,9,13  
**higher** 69:19 157:14  
202:14 234:18 238:15  
**higher-ups** 70:9  
**highest** 7:5 159:8  
166:18  
**hip** 241:16  
**hire** 244:15 245:1,3,10  
245:12 278:18 279:3  
281:1  
**hired** 255:2,5 275:1  
**hires** 279:6  
**hiring** 94:9,10 243:4  
244:3 245:19 246:4  
247:10,11 258:4  
274:14 279:16 285:5  
**historically** 269:9  
270:18 272:14 276:14  
284:20  
**history** 9:12 164:21  
187:21 195:12 294:17  
**hit** 244:7,8 248:11  
254:9 263:14  
**hold** 11:1 175:3 225:7  
255:17 258:9  
**holding** 208:4 216:3  
221:2,6  
**holidays** 258:6  
**home** 45:14 50:20 51:1  
51:1 222:16 276:15  
293:22  
**Homeland** 22:22  
**homeless** 29:21 30:3  
222:10 297:3  
**homelessness** 30:17  
31:1,17 32:2

**honestly** 11:5  
**honor** 6:17 7:1,4,11,13  
8:3,6,11 9:12,13,15  
9:21 10:11,13 21:8  
151:17,19  
**hope** 8:14 14:12 15:12  
29:21 30:17 98:12  
138:11  
**hopefully** 15:18 16:6,14  
19:4 94:7 299:20  
**hoping** 298:5  
**horses** 290:13  
**hospital** 63:13 147:12  
246:21 247:2,2  
**hospital's** 247:5  
**hospitals** 64:18 147:11  
246:18  
**host** 6:19  
**hosts** 23:12  
**hot** 173:2 200:20 201:7  
**hour** 92:21 155:21  
296:19  
**hours** 45:18 155:22  
156:1,2 250:6,7,18  
251:7,17,20 252:4,9  
254:9,12  
**house** 23:6 31:10  
265:17 270:21  
**housing** 33:12  
**Houston** 222:19  
**hovering** 217:1  
**how's** 212:21 264:16  
**HUD-VASH** 33:13  
**huge** 134:21 162:14,16  
162:18 194:18 280:15  
289:5  
**huh** 206:9  
**human** 81:5 263:8,18  
**humble** 266:2  
**hundred** 45:18 78:19  
179:13 216:10 307:12  
**hundreds** 119:10  
**hung** 254:10 255:17  
**Hunt** 61:16 92:18  
**hurts** 132:13,14  
**Hussein** 47:5,8  
**hype** 167:4  
**hypertension** 161:11  
161:17,19 162:6,19  
162:20,22  
**hypothyroidism** 161:5  
182:7  
**hysteria** 165:12,12

---

**I**


---

**ice** 253:6  
**Idaho** 220:14  
**idea** 37:22 39:1,16 42:4

43:19 47:14 55:14  
 56:18 88:13 89:3,6  
 116:18 162:3 260:5  
 262:13 264:20 290:14  
 307:10  
**ideas** 239:19 283:10  
**identical** 205:3  
**identifiable** 141:8  
**identification** 104:14  
 111:19  
**identified** 105:4,12,15  
 111:2 112:1 116:13  
 137:12,13 142:22  
 210:2  
**identifies** 65:10  
**identify** 180:10 210:1  
**identifying** 118:19  
 201:7  
**IDES** 219:4  
**ignored** 95:6  
**il** 7:17 9:22  
**ill** 6:7 50:11  
**Illinois** 34:20  
**illness** 28:1,15 48:20  
 49:1,12,22 68:7 100:5  
 104:18,20 105:1  
 108:2 109:5,7,21,22  
 110:6,9,12,16 111:6  
 111:10,12 114:12  
 115:14 118:20,21  
 123:16 128:16,18  
 129:3 132:2,4,5 133:5  
 135:13 137:8,13,15  
 141:8,19 142:7 148:9  
 148:10 149:21  
**illnesses** 3:4,8 36:9  
 37:3 42:17 48:21 49:6  
 49:7,8 60:8 72:2 96:6  
 96:7,10,11 104:10,11  
 105:6,13 107:15,15  
 116:7,9 143:1  
**illustrates** 112:20 115:5  
**illustrations** 192:15  
**imagine** 15:17 41:12  
 49:20 56:15 58:1  
 59:16  
**imagining** 51:4  
**immediate** 51:11  
**immediately** 23:7 156:5  
**impact** 254:7 270:4  
 274:14 290:19 297:4  
 305:22  
**impacts** 14:3  
**impatient** 236:19  
**implement** 242:4  
**implementation** 14:9  
 289:9 302:14  
**implementing** 242:3

**important** 43:13 44:13  
 66:7 106:16 108:21  
 136:12,16 154:18,22  
 207:16 235:8,12  
 275:12,13  
**impossible** 276:19  
**impressed** 265:15  
**improvement** 287:20  
 287:21  
**improvements** 290:1  
**In-** 249:20  
**in-depth** 28:12  
**in-person** 293:1  
**inactive** 190:4  
**inauguration** 23:7  
**incidents** 298:20  
**incinerated** 208:21  
 209:11  
**incineration** 209:5  
**inclined** 160:2  
**include** 105:8,20 133:5  
 170:8 277:9  
**included** 102:16,18,21  
 103:2,14,17 106:10  
 153:5 163:1 295:20  
**includes** 205:15  
**including** 8:16 14:8  
 15:4,11 25:8 27:22  
 30:15 140:1 159:14  
 302:16,17 308:19  
**incoming** 108:21  
**incorporate** 301:4  
**increase** 50:21 191:18  
 221:7 230:17 258:2  
**increased** 25:19 194:12  
 220:22  
**increases** 241:13,18  
 260:21 286:9  
**increasing** 24:22 241:1  
 305:20  
**incredible** 9:6  
**independent** 177:11,13  
 280:4  
**Indiana** 50:18  
**indicate** 147:10 178:8  
**indicated** 24:8 32:21  
 58:7  
**indicates** 179:11  
**indicating** 50:14  
**Indication** 275:7  
**indications** 256:16  
**indistinguishable**  
 205:6  
**individual** 41:10,21  
 79:18 99:18 218:8  
 227:12,14 228:14,20  
 249:8 252:16 261:21  
**individuals** 91:17 94:13

**industry** 32:12 280:7  
 291:17  
**infantry** 174:16  
**infection** 101:20 193:19  
 193:22  
**infectious** 101:21  
 103:15 105:19  
**influence** 290:4  
**inform** 79:4  
**information** 20:7 27:9  
 42:7,21 43:6 44:4,9  
 44:12 52:14 55:21  
 58:4,6,18 65:8 67:9  
 90:12 93:10 95:5  
 101:19 102:11 162:5  
 165:17 229:13 238:5  
 240:10 259:19 265:9  
 301:8 308:14  
**informed** 20:10 100:13  
**informing** 37:9  
**informs** 53:17  
**Ingersoll** 170:21  
**inhale** 189:6  
**inhaled** 83:12  
**initial** 97:3 296:17  
**initially** 50:16 71:7  
 74:14 108:3 173:17  
**initiates** 228:12  
**initiatives** 295:22 296:1  
 296:6  
**inject** 137:5  
**injecting** 225:18  
**injured** 8:3  
**injuries** 8:17 36:9  
**injury** 106:20 109:9  
 158:14  
**inland** 169:7,21,22  
 170:2,11 172:3,6  
**innovation** 287:18  
**input** 42:12 107:12  
 134:21  
**inside** 43:14 169:8,11  
 169:18 170:5,16  
 172:6,10 235:21  
 240:9 274:7  
**inspirational** 152:16  
**instance** 119:14 178:3  
**Institute** 52:17,19 53:4  
 53:6,11,20 62:9 77:5  
 77:16 78:8,15 88:4  
 103:4 157:5 158:22  
 160:13 189:8,9  
**instrument** 246:9  
**insufficient** 159:18  
**intake** 133:11 292:13  
**intended** 271:9  
**intent** 20:14 21:3  
**intention** 16:22 285:2

285:13  
**inter-** 184:20  
**inter-generational**  
 184:9  
**interaction** 298:14,18  
**interest** 16:21  
**interested** 16:1 20:9,13  
 20:18 21:5,17 32:12  
 33:4 44:17 70:9  
 138:22 139:6 184:22  
 185:11  
**interesting** 16:4 17:21  
 23:16 24:12 29:6  
 34:22 56:21 100:22  
 103:18 106:7 141:1  
 145:21 181:22 198:3  
 200:19 201:13 205:9  
 207:2  
**interestingly** 44:10  
**intergenerational** 54:5  
**interim** 15:4,6 17:2 55:5  
 273:11 286:18  
**interior** 170:3  
**interject** 24:17 294:5  
**internal** 32:14 83:21  
 149:16 271:9,10  
 272:3 274:12,15,20  
**internally** 81:11 216:20  
 217:3 270:18 271:3  
 284:22  
**international** 219:5,7,9  
**internationally** 213:19  
**Internet** 195:8 200:11  
**interpret** 171:22  
**interpretation** 172:1,3  
**interpreted** 71:6  
**interview** 253:17  
**intramural** 37:16 39:2  
**introduce** 4:9 36:2  
 267:18  
**invariably** 180:5  
**inventory** 23:18 24:1  
 214:13,17 216:8,9,11  
 216:14 221:1,1,5  
 222:6 242:10  
**investigation** 147:8  
**investigators** 37:18  
 38:9 41:22,22 68:22  
**investment** 257:10,13  
 257:14  
**invitation** 13:2 15:22  
 16:1 22:13  
**invite** 92:21  
**invited** 22:7  
**inviting** 268:19  
**involved** 15:10 41:13  
 43:20 46:9 79:13  
 83:20 84:19 90:11

101:12 102:19 104:14  
 121:21 155:6 165:4  
 165:20 169:6 188:1  
 209:13 233:12  
**involves** 302:15  
**involving** 40:12 78:19  
 110:22 111:1  
**IOM** 76:11,22 79:4  
 103:15 139:18 140:9  
 161:4 163:14 182:5  
 189:15  
**Ioulia** 2:2 5:14 286:12  
**Iraq** 45:7 205:9  
**Iraqi** 75:21 76:2  
**irrational** 172:1  
**irrespective** 207:8  
**irritable** 49:14 105:10  
 116:13  
**ischemic** 159:14  
 162:15 210:9  
**Island** 208:19  
**Islands** 219:13  
**issue** 18:1 30:12 36:11  
 76:20 84:12 92:5  
 99:19 101:16 108:21  
 113:1,9 117:10 121:6  
 121:14 123:11,12,13  
 124:6 126:6,8 127:20  
 128:22 136:12 137:2  
 138:10,12 139:22,22  
 140:5 141:9 142:5,7,8  
 143:10,11,17 147:15  
 147:16 153:1 155:11  
 165:8,9 172:18 183:2  
 183:7,8 184:9 185:10  
 188:2 190:22 194:8  
 198:16 201:18 206:4  
 207:9,16 211:7 228:9  
 289:5  
**issue-based** 231:13  
**issued** 25:22  
**issues** 3:5,10 4:7 14:13  
 15:6,13 19:8 24:2  
 25:2 27:2,3,19 28:1  
 28:16 36:8 37:7 45:3  
 46:11 49:18 54:6  
 89:21 96:16 112:6,16  
 116:15 122:10 123:2  
 126:2 131:12 135:18  
 136:14 139:7,13,13  
 145:18 146:9 147:15  
 153:5,6 156:2,12  
 176:11 177:6 179:22  
 184:5,6 257:11  
 277:21  
**it'd** 303:18  
**it'll** 24:12  
**Italy** 219:11

**item** 20:1  
**items** 19:11 238:9  
 308:15  
**IU** 14:10 15:11 18:1  
**Iwo** 9:21 10:1,1,5,12  
 151:19,20

---

**J**

---

**J** 1:19,20 2:3  
**J-E-C** 70:1  
**jail** 164:19  
**January** 6:16 30:2  
 32:22 45:14 54:17  
 55:2 295:19  
**Japan** 198:10,11,13  
 219:14  
**Jared** 21:9 22:7  
**Jay** 5:3  
**JEC** 70:1  
**Jeff** 62:17 64:16  
**Jefferson** 2:5 4:16  
**Jenny** 2:5 4:16  
**Jerry** 2:6 147:2 169:6  
 177:7 190:12 211:11  
 303:17  
**jet** 156:7  
**Jim** 2:8 3:6,11 28:4 36:4  
 61:6 64:6,13,14 93:3  
 98:19 118:9 120:19  
 120:21 123:3 132:1  
 148:6,13,21 152:10  
 178:13 179:10 207:17  
 211:15  
**Jima** 9:21 10:1,1,5,12  
 151:19,20  
**job** 95:8 118:13 172:16  
 172:16 224:10 246:16  
 289:2,6,15  
**jobs** 288:5,13 291:8,9  
**Joe** 90:7 195:22  
**John** 13:14 64:12  
**Johnston** 208:18  
**join** 15:22 19:4 29:1  
 285:22  
**joined** 31:14 72:4  
**joining** 6:4 309:1  
**joint** 48:7 69:22  
**Jon** 198:9 200:6,11,17  
**Jonathan** 1:21 5:7  
**Jones** 6:3 28:22  
**Joseph** 1:13,15 3:2  
**journal** 202:2 203:7  
**journalism** 198:14  
**journalist** 198:9 200:6  
 200:12  
**journals** 166:5  
**Jr** 1:13,15 3:2  
**judge** 164:18

**judges** 177:11  
**judgment** 118:4  
**juice** 256:15  
**jump** 67:13 75:6 302:8  
**jumped** 8:22 238:14  
**June** 213:11  
**jungle** 153:20 201:5  
**jurisdictional** 307:2  
**Justice** 213:11  
**justification** 91:4

---

**K**

---

**K** 1:16  
**Kaiser** 63:21  
**Kalasinisky** 2:5 3:4 36:3  
 36:14,16 54:21 58:11  
 58:19 59:1 60:1 70:11  
 70:15 71:15 72:6 73:7  
 74:12 76:1,16 77:4  
 78:5 80:12 81:4 82:17  
 84:10 85:12 86:9,21  
 87:12 88:10 90:5,21  
 91:8 92:1,4,15 95:3  
 95:16,21 96:3,11 98:4  
 98:9,10 148:18 149:4  
 149:5  
**Kalasinisky's** 86:3  
**Katherine** 62:8  
**keep** 93:20 119:6  
 216:22 217:1 272:7  
 274:22 278:21  
**keeps** 59:15  
**key** 132:22  
**kick** 254:8  
**kicked** 55:1  
**kickoff** 54:17  
**kicks** 162:10  
**kidnaped** 28:5 173:4,7  
**kidney** 83:6,7  
**kidneys** 83:9  
**kill** 8:21  
**killed** 192:10 193:22  
**kills** 242:5  
**Kim** 2:5 4:15,16,19 61:3  
 64:3  
**kinds** 41:5 42:5 43:18  
 47:1 49:11 50:13  
 57:10 60:19 65:13  
 66:17 71:13 72:9 73:9  
 74:14,16 76:4,9 80:2  
 84:8 88:15 91:9 96:5  
 194:21 196:17,18  
 197:6 278:5 289:22  
 290:6 291:14  
**kinks** 289:14  
**Kirk** 1:13,15 3:2 5:16  
**Klimas** 62:1  
**kludginess** 282:21

**knee** 132:14 241:16  
 261:3 262:8 264:21  
 265:3  
**kneeling** 8:18  
**knees** 260:12 262:5  
**knew** 8:20 59:17 257:21  
 268:3 276:17  
**knowing** 221:15 258:21  
**knowledge** 9:11 27:18  
 59:22 78:2,2,3 237:14  
 297:6  
**known** 19:17 42:18  
 47:5,9 72:1 111:6,8,8  
 144:5,11  
**knows** 45:10 58:15 91:3  
 100:19 164:15 174:3  
 239:2  
**Korea** 173:1 176:11  
 177:7 181:15 219:13  
**Korean** 172:21 173:14  
 173:19 174:15 175:22  
 187:5  
**Koreans** 173:4,10

---

**L**

---

**lab** 50:11  
**labor** 58:15 242:15,22  
 243:1 246:4,5,6 250:6  
 250:10 251:6,17,21  
**laboratory** 40:10 48:16  
**Ladies** 212:8  
**laid** 137:20  
**land** 172:10  
**landed** 8:19 168:10  
**landing** 153:12  
**language** 104:5 105:8  
 303:7  
**Laos** 153:19  
**large** 23:21 34:21 37:20  
 41:20 60:14 63:22  
 87:4 169:4 208:4  
**largest** 40:3 44:15 61:2  
**late** 23:8 180:1  
**lately** 138:13 293:21  
**latent** 62:12 109:16  
**latest** 139:16 161:4  
 175:1,22 182:5,5  
 184:7,22 195:11  
 201:14  
**Latta** 176:2  
**Lauderdale** 62:5  
**Laughter** 86:15 130:19  
 148:22 164:20 206:11  
**Laurine** 299:3  
**law** 46:2 52:16 53:9,10  
 54:3 99:19 102:11  
 118:16 130:4 139:9  
 140:20 141:13 157:6

157:19,21 166:21  
 177:11 184:11 185:4  
 189:22 190:6,18  
 197:13 205:6 209:18  
 210:14 301:6 303:12  
**laws** 167:13 210:7  
**laws** 51:17 62:19 89:11  
**lawsuits** 210:19  
**lawyer** 61:4,5 62:17  
 64:4 143:18 199:15  
**lawyers** 56:22 60:20  
 65:4 100:19 141:2  
 210:11  
**layers** 178:4  
**lead** 132:20 288:16  
**leaders** 229:14  
**leadership** 149:8  
 296:10  
**leaderships** 229:18  
**leads** 140:5 287:22  
**learn** 21:17 289:18  
 295:7  
**learned** 263:16  
**learning** 22:4 272:6  
**leave** 113:21 205:14  
 274:6 309:4  
**leaving** 243:18,19  
**led** 27:22 29:16 48:12  
 189:18 198:14  
**left** 209:10 224:2  
 241:21 243:6 265:21  
 281:7  
**leg** 8:17  
**legal** 61:5 100:20  
 117:10 126:2 139:7,7  
 165:6 170:17 171:4  
 182:15 205:3,13  
 246:9  
**legally** 112:16  
**legislation** 7:9 52:9  
 209:20  
**legislative** 4:12 6:21  
 210:22  
**legitimate** 152:18  
**leishmaniasis** 105:21  
**Lejeune** 306:19 307:9  
**length** 217:15 275:6  
 283:14  
**lengthy** 202:3  
**leper** 122:7  
**lesson** 258:1  
**lessons** 257:21 263:17  
**let's** 4:9 45:7 64:20 73:8  
 117:8 226:13 245:10  
 254:3 309:4  
**letter** 20:14 21:3 150:4  
 170:22 176:1 246:2  
**letters** 175:3 201:16,19

**Letting** 130:7  
**leukemia** 162:16  
**level** 70:5,6 85:6 159:8  
 159:11 225:7 227:12  
 228:21 231:9 234:15  
 245:10 248:14 251:9  
 270:2 272:20 284:18  
 288:1,2 294:15,16  
**levels** 83:1 181:7  
**liberal** 109:1,12 112:14  
 114:13 121:15 125:18  
**license** 281:17  
**life** 60:10 155:8,14,17  
 162:20 179:13 236:15  
 268:2,13  
**lifestyle** 114:22 115:2  
 123:21  
**light** 220:22  
**likelihood** 162:7  
**limbs** 41:2  
**limitation** 238:3  
**limitations** 80:18  
 236:21  
**limited** 159:11 161:3,6  
**limiting** 57:7  
**Lincoln** 230:11  
**line** 51:15 67:12,18  
 82:16 88:21 160:19  
 195:1 202:9 254:11  
 256:21 304:1  
**lines** 112:6 147:4 184:7  
 185:8 241:6,9 290:11  
**lineup** 308:17  
**link** 55:8 106:21 117:14  
 117:16 119:2 158:15  
 158:17 230:6  
**linked** 183:18  
**linking** 287:3  
**links** 55:11  
**linkups** 286:20  
**Linuron** 175:13  
**Liquid** 47:12  
**list** 13:19 19:1 46:17,18  
 47:10,15 59:12,14  
 60:12 67:18 82:19  
 104:6,15 105:20  
 159:20 162:8 163:10  
 170:20,20 172:7,8  
 174:20,22 183:15  
 202:7 246:17,22  
 254:12 283:13,13  
 292:3  
**listed** 104:1 121:20  
 128:8 161:5 210:16  
**listen** 11:2 94:21  
 122:13  
**lists** 125:21  
**literally** 221:12 239:21

305:7  
**literature** 59:7,8 92:2  
**litigation** 213:5,7  
**little** 14:17 21:14 24:3  
 28:12,17 29:10 30:5  
 34:19 35:10,12 37:4  
 37:14 41:8 44:7,17  
 67:13 85:22 103:13  
 108:17 112:18 121:3  
 130:12 140:16,16  
 154:19 165:18 166:9  
 173:17 188:17 192:9  
 213:14 215:12,13  
 216:9,11 220:4 231:2  
 231:3,5,15,16 236:19  
 249:16 259:1 264:12  
 265:13 269:5 272:12  
 275:8 283:7 287:1  
 297:6 302:9 307:21  
**live** 14:16 239:14  
 292:11,13,14 304:21  
 306:21  
**lived** 276:14  
**lives** 29:8 105:22  
 198:10,11 220:17  
 222:17  
**living** 7:1,13,16 9:20  
 241:8  
**Liz** 6:6  
**loaded** 199:5,6  
**loading** 258:5  
**local** 101:20 192:6  
 198:15 276:18 279:20  
**locate** 291:1  
**location** 34:9,12,15,15  
 180:6 271:20 277:13  
 279:9 292:14  
**locational** 292:12  
**locations** 199:11  
 203:12 221:22 269:19  
 274:11 280:9,9  
**locked** 214:9  
**logical** 52:7  
**long** 38:4 59:15 79:9  
 109:4 138:16 140:11  
 145:6 146:1 170:21  
 171:22 178:10 180:19  
 184:19 187:21 195:14  
 207:10 211:17 219:17  
 226:10 228:3 243:22  
 254:17 277:22 283:14  
 292:3 299:21 305:16  
 306:4 307:5  
**long-** 103:8 157:3  
 179:20  
**long-term** 76:13 77:2  
 77:22 140:8 157:8,9  
 181:8 183:8 184:20

189:22  
**longer** 4:21 211:18  
 221:18 305:12  
**look** 11:15 28:12,16,19  
 29:2 36:10,11 54:16  
 72:12 76:11 77:19  
 78:9 79:1 84:2 87:16  
 90:7 91:9 118:10  
 125:8 129:15 130:12  
 139:3 152:3,10  
 163:14 164:3 168:2,3  
 168:12,18 177:14,21  
 182:22 187:11,11  
 189:9 224:14 225:10  
 227:13 228:1 231:1  
 231:15 249:12,22  
 251:14,18 255:3  
 260:9 261:12 262:10  
 263:3 264:4 265:2,14  
 266:16 276:9 296:21  
 303:18 304:3,3,7  
**looked** 84:9 89:14 90:1  
 129:12,16 226:14  
 265:6 268:3 296:8  
**looking** 18:11,22 20:2  
 61:8 77:14,18 78:7,11  
 79:19 130:2 152:6  
 179:10 216:6 217:2  
 228:10 230:5,6 233:8  
 235:19 242:8,10  
 247:7 250:4,22 251:8  
 261:12 262:7 308:19  
**looks** 40:16 77:11,16  
 164:2,5  
**Loren** 86:20,22 87:19  
 87:21 131:17  
**Los** 30:18  
**lose** 243:5 247:13  
 274:12  
**losing** 243:10,11  
 275:11  
**loss** 261:10 262:5 306:1  
**lost** 206:14  
**lot** 39:4,8 48:3 50:5,10  
 55:13 57:21 60:18  
 64:1,15 65:2,5,6  
 66:11,11 76:8 79:22  
 83:8 97:17 99:17  
 100:3 103:8 107:12  
 107:21 112:12 114:4  
 135:17 136:20,21  
 140:2,2 151:9 152:20  
 153:13,15 155:3  
 163:15,18 164:16  
 165:7 167:2,7 168:5  
 168:22 171:1 177:5  
 180:1,3 184:2 186:18  
 187:4 190:12,14

191:1 195:4 197:5  
 198:3,4,7 201:11  
 204:9 209:10 229:11  
 240:17 251:1 267:4  
 269:21 278:7 282:20  
 284:7,16 288:12  
 293:18,19 304:10  
**lots** 44:2 55:19,19  
 72:15,16 308:14  
**Louisville** 307:1  
**love** 290:11  
**Lovingly** 42:18  
**low** 126:4,20 134:13  
 146:22 147:4,10  
**Lowenberg** 1:19 5:9,9  
 17:6 22:15 32:1,7,13  
 33:3,8 70:11 71:5  
 204:12,15,18,21  
 205:1,11,20 206:1,17  
 229:21 230:15,20  
 235:7,18 236:1,10  
 254:22 270:3 272:21  
**lower** 30:7 233:16  
**luck** 292:22  
**lucky** 28:4  
**lunch** 130:13 148:8  
 151:1,7,8  
**lung** 159:15  
**Lyon** 21:9 22:7

## M

**M.D** 63:13,15  
**machine** 221:16  
**machines** 50:13 263:22  
**MACV** 191:14  
**magic** 132:20  
**mail** 55:20  
**mailbox** 187:7,8 203:10  
**Maine** 203:20 204:1,10  
 207:3  
**maintain** 276:19 305:19  
**maintained** 272:10  
**major** 14:7 23:3 30:18  
 32:3 173:1 191:2,5  
**majority** 120:9 180:14  
 180:15 239:14  
**Maki's** 13:14  
**making** 13:1 36:14 58:1  
 150:5 197:14 275:2  
 298:22  
**malaria's** 106:7  
**MALE** 85:8 86:13 99:4  
 139:2 148:20  
**males** 181:14 184:2  
**malignancy** 194:5  
**man** 8:10  
**manage** 220:22 271:13  
 299:11

**managed** 258:8 271:5  
**management** 14:3  
 20:15 55:16,22 98:6  
 247:13 268:17 288:1  
 295:1 296:1 297:19  
 300:8  
**managers** 25:7 34:2  
 37:13 229:15 295:16  
**Manar** 2:6 4:21 5:2,3  
 24:17,20 119:5 120:5  
 147:3 169:6 176:12  
 176:15 178:2 197:9  
 199:13,15,22 300:10  
 300:12,21 301:3,14  
 303:2 307:17  
**mandate** 95:13  
**mandated** 51:19 160:5  
**mandating** 139:9  
**mandatory** 217:7,9  
 270:8 273:7  
**manifest** 198:20  
**manifested** 109:15  
**manpower** 224:15  
 244:13  
**Manual** 14:16  
**Map** 260:13  
**mapped** 261:6  
**March** 1:10 20:12 81:22  
 222:15  
**marching** 305:3  
**Marine** 8:1,18 10:8  
 101:12  
**Marines** 8:16 10:11,12  
 153:12 168:10  
**mark** 231:13 244:4,11  
**markedly** 71:16  
**married** 114:20  
**Martin** 1:13,15 3:2 4:3  
 4:14,18,20,22 5:4,16  
 5:16,22 9:14 10:22  
 11:5,9,12,19,22 12:5  
 12:8,16,21 15:20  
 17:18 18:6,9,14,18  
 19:2,12 20:2 21:7  
 23:14 24:14,19 26:9  
 27:19 28:19,22 30:1  
 30:20 31:7,14,19,21  
 34:3 35:4,7,14 63:10  
 82:6 85:1 95:12 96:1  
 97:22 98:5,13,19 99:2  
 99:3,6 120:18 148:6  
 148:14,17 149:15  
 150:1,22 151:6,16  
 152:5,13 207:11  
 211:15,20 212:2,8  
 266:19 267:7,11,15  
 268:10 306:7,13,16  
 308:1,4,8,10,13 309:7

309:10  
**marvelous** 28:6  
**Mary** 11:18,19 174:3  
 191:8 192:16,16  
 193:3  
**Marylyn** 61:13 64:16  
**Massachusetts** 186:2  
**material** 151:9 247:19  
**materials** 285:1,9,17,18  
**maternity** 274:6  
**math** 64:7 255:20  
**mathematical** 64:15  
**mathematician** 61:6  
**matrix** 247:16  
**matter** 10:19 35:19  
 54:18 64:1 65:22  
 144:12,18 151:13  
 156:6 157:18 212:5  
 213:18 263:11 298:17  
 309:15  
**mayor** 29:13  
**Mays** 193:1  
**McCarthy** 174:3 175:2  
 191:8 192:17  
**McCoy** 267:22  
**McGlynn** 62:8  
**McLenachen** 304:17  
**mean** 25:17 53:9 71:1  
 76:18 78:1 83:17  
 90:19 91:1 95:19  
 118:8 127:13 131:13  
 134:4,16 144:7 145:8  
 146:7,17 155:21  
 164:15 178:18 182:14  
 182:18 202:8 204:20  
 206:5 208:10 211:11  
 218:4 225:1 241:1  
 265:5 275:22 279:21  
 287:18 289:21,21  
 290:2 292:6,15  
**meaning** 214:1 219:4  
 225:3 228:16 237:18  
 255:16 294:13  
**meaningful** 91:6  
**means** 37:17,19 44:1  
 49:22 66:7 90:19  
 210:1 214:18 237:11  
 242:16 248:5 250:18  
 254:6  
**Measure** 226:8  
**measures** 248:6  
**mechanics** 82:4 189:20  
 286:3  
**mechanisms** 88:20  
**med** 132:16  
**medal** 6:17 7:1,4,13 8:3  
 8:6,11 9:12,15,17,20  
 10:4,9,11 12:14 21:8

151:17,19 168:4  
**Medals** 7:11  
**medevac'd** 64:9  
**media** 157:2 165:13  
 167:1,3  
**medical** 11:10 12:11  
 33:20 38:10,12,14,22  
 50:1 60:19 61:16  
 64:22 67:19 69:6,15  
 70:17 73:21 74:1  
 76:19 77:13 78:2 88:3  
 88:18 91:17 92:19  
 94:14 100:12 106:20  
 107:16 111:9 114:15  
 117:14,16,22 118:2,2  
 118:4,10,13 126:10  
 131:21 135:9,11  
 143:2,22 144:1,6  
 146:11 149:22 150:7  
 156:17 158:15,17  
 161:14 186:10 240:3  
 240:12 280:4,6,17  
 281:20 302:3  
**medically** 104:10 105:5  
 105:12 107:14 109:6  
 110:5,8,11 111:5,11  
 116:8 118:20 123:15  
 128:17 129:2 137:14  
 141:7,18 142:6,22  
 240:5  
**Medicare** 281:15  
**medicine** 43:2 44:11,17  
 45:1 52:18,19,20 53:4  
 53:6,11,20 54:4,16  
 55:10 77:5,6,16 78:9  
 78:11,15 103:5,5  
 139:19 157:5 159:1,1  
 160:13 189:8,9 302:6  
**meet** 6:10 8:14 21:9  
 33:22 68:20 212:12  
 218:2 252:2 268:9  
**meeting** 1:7 4:5 6:12  
 13:3,6,7 15:15 16:3  
 16:15 22:12,14,16  
 26:11 27:20 54:17  
 59:11 123:4 135:15  
 135:19 184:12 215:9  
 265:19  
**meetings** 16:20 29:8  
 56:4,6,19 57:1,2,4,4,5  
 57:7,16 58:14 59:11  
 59:16 73:16 98:12  
 175:16  
**members** 7:16 13:15,16  
 13:20 17:4 20:3,22  
 21:16,21 28:11 29:7  
 50:8 51:6 60:13 92:18  
 93:3 98:11 119:11

157:11 203:21 306:7  
308:2 309:6  
**memo** 196:9,13 197:10  
**men** 8:19 28:3 184:2  
**mental** 184:18 241:1,3  
241:6,10 278:1,17  
279:11,13 280:13  
**mention** 23:12 70:16  
100:8 165:18 176:12  
183:11 197:18 199:13  
201:12 203:14 207:12  
208:14 209:18 237:9  
286:16  
**mentioned** 9:22 19:12  
20:2 67:4 69:12 80:18  
87:22 102:2 103:7  
118:9 139:17 140:2  
140:22 151:16 177:7  
184:11 186:17 203:10  
206:6 212:11 302:5,9  
304:15  
**merchant** 199:6,7  
208:22  
**mesh** 208:4  
**mess** 97:17,17 300:2  
**messaging** 289:7  
**met** 1:12 4:6 16:17  
252:1  
**metal** 190:13  
**method** 103:2,3  
**methodologies** 291:8  
**methods** 119:7  
**metric** 242:8  
**metropolitan** 32:3  
**Mexico** 135:16 209:12  
**Miami** 30:19 62:2,3  
**mic** 99:12 108:12 115:3  
**Michael** 1:22 276:7  
**Michigan** 63:12  
**microphone** 77:5  
**middle** 42:16 52:20  
55:3 192:14 226:16  
**migrating** 34:19  
**migration** 30:21  
**Mike** 5:18  
**mile** 171:16  
**military** 29:10 51:8 72:4  
120:7 144:17 145:1,9  
167:13 198:15 205:12  
205:15 206:19,21  
210:15  
**Miller** 135:5 136:1  
285:22 286:4  
**million** 21:11 38:21  
43:3,5,8 44:1,6 67:3  
81:11,15,18,20 155:2  
218:6 245:8 256:15  
307:18

**Milwaukee** 230:11  
244:20  
**mind** 119:6 129:1  
140:16 173:3 191:16  
257:8,9  
**mind-boggling** 292:1  
**Minh** 153:16  
**mining** 229:12 259:4  
282:12  
**minor** 192:9  
**minute** 9:1 117:9  
254:14,17 255:17  
256:8 257:15  
**minutes** 11:2 14:5 35:8  
56:4 254:18,19  
255:13 257:19 258:9  
**mirrors** 261:7  
**misinformation** 177:5  
**missed** 18:18 248:12  
248:16  
**mission** 37:12 154:1  
219:3,5,6,7  
**Mississippi** 199:3  
**mistake** 265:19 266:5  
**mistakenly** 281:7  
**mistakes** 71:19  
**Mitch** 63:18  
**Mitchell** 198:10 200:7  
200:11,17  
**MITRE** 259:11 264:6  
288:18  
**mix** 13:18 236:15  
**mixed** 156:7  
**model** 88:21 264:11,12  
279:20  
**modeled** 103:1  
**models** 66:5  
**modernization** 238:10  
305:17  
**modified** 123:22 124:4  
**Moines** 184:13  
**molecules** 189:12  
**moment** 7:19 24:18  
**Monday** 1:9 216:15  
**money** 39:5,6 80:21  
218:1 245:4,15  
265:13 281:1  
**monitor** 187:7  
**monitoring** 83:3  
**Montana** 276:6,7  
**month** 29:19 92:22  
201:18 222:14 234:10  
243:11 245:21 254:12  
255:11,21  
**monthly** 92:13 93:6,10  
94:4  
**months** 25:11 177:10  
184:14 214:15 227:17

235:3 239:11 251:20  
255:7 264:8 266:15  
302:13  
**months'** 108:8,9  
**morbid** 89:12  
**morning** 4:10,11 28:14  
35:22 36:2,7 158:10  
184:11 216:14,15  
249:21 252:21 299:18  
**mortar** 279:19 293:14  
**mortars** 293:5  
**mosquito-borne**  
103:19 106:9  
**mountballs** 185:21  
**mountain** 169:12  
**mouthful** 105:7  
**move** 148:9 185:1  
243:1 246:8 265:20  
283:5 286:13 307:7  
**moved** 62:4  
**movement** 26:7  
**moving** 19:20,22 52:6  
100:21 107:2 216:19  
217:2 275:14  
**MST** 147:16  
**multi-** 123:15 128:17  
137:14  
**multi-site** 41:10,11  
**multi-specialty** 277:6  
**multi-symptom** 104:11  
105:6,13 109:6 110:5  
110:9,12 111:6,12  
116:8 118:21 129:3  
141:8,19 142:7 143:1  
**multiple** 49:15 63:19  
110:18,22 143:6  
195:3,3 213:6  
**Murphy's** 17:7 19:15  
**Murray** 2:7 4:11,12  
155:14,17,21  
**muscle** 48:7  
**musculoskeletal** 47:20  
109:9 133:15  
**museum** 188:8,14  
**music** 238:15  
**mustard** 47:8  
**mustered** 51:9  
**mutual** 206:18  
**MyVA** 22:5

---

**N**

---

**nailed** 264:20  
**naive** 192:22 281:3  
**name** 4:15 5:3 10:2  
11:6 17:16 36:19  
43:16 48:17 55:18  
171:6 185:17 188:8  
198:9 242:17 268:1  
309:4,6  
**name's** 4:12 5:5  
**named** 21:9  
**Nancy** 62:1  
**Nang** 170:8 199:8  
**Nashville** 147:20  
**Nast** 62:17 64:17  
**nation** 7:7,11 213:17  
218:22 226:12,19  
227:2 230:10,13  
250:13  
**Nation's** 3:14  
**national** 6:21 14:14  
23:13 42:10 50:17  
52:18,20 54:4,16 55:9  
62:9 73:20,20,22  
76:11 77:6 90:8 103:3  
165:6 203:20,21  
204:1,7,11 205:2  
207:3,9 219:3,6,20  
220:21 222:20 223:2  
225:7 231:9 269:22  
275:14 294:16 308:20  
**nationally** 30:9  
**nationwide** 235:6  
280:18  
**Natural** 24:10  
**nature** 213:2  
**nauseam** 119:9  
**Naval** 199:3  
**navigate** 40:20 91:11  
**Navy** 7:22 64:20 156:3  
168:21 169:2,3,5,15  
170:13 172:14 199:8  
**near** 16:9 194:16,16  
195:2  
**nearly** 147:8 245:19  
**nebulous** 128:22 137:4  
137:6  
**necessarily** 24:6 59:10  
73:10 228:15  
**necessary** 275:3  
**need** 17:1 35:14 40:21  
79:10 84:16 121:1  
125:1,7 139:2 141:14  
141:17 148:18 158:17  
170:18 192:5 217:12  
217:14,15 218:10  
226:5 228:15 231:12  
233:21 236:3 246:22  
253:17 271:18 277:13  
278:17 284:12 288:3  
288:8 290:7 296:14  
297:7 302:20 305:17  
307:6 308:15  
**needed** 29:3 68:3 142:2  
244:2 276:21  
**needless** 141:3 201:10

**needs** 38:1,2 76:20  
99:6 218:15 236:4  
237:10 276:7 277:9  
288:9  
**Nehmer** 162:10 171:4  
**neighbor** 206:9  
**nerve** 47:4,7 73:2,3  
101:19  
**nervous** 66:13,14,18  
263:21  
**net** 22:4  
**neurological** 111:1  
130:3  
**neurology** 61:1,3  
274:19  
**neurosurgeon** 62:22  
64:19  
**never** 16:2 24:11 32:9  
122:8 161:12 173:15  
189:12 193:5 199:9,9  
199:10,18 206:3  
209:14 228:5 244:3  
258:12 263:7 266:5  
268:20 285:6 287:14  
287:15,16 297:5  
**new** 14:9 15:21 20:3  
30:18 31:2,6,10 34:20  
41:14 45:6 117:9  
134:21 135:3,4,16  
140:15 146:8 161:8  
184:10 223:13 237:7  
237:7,9 239:7,16,17  
239:18 241:5 251:11  
264:9 271:8 288:10  
288:15 291:5,7,7,9  
300:12,14 301:4,5,6,6  
301:11,16 302:9  
303:6,7,8,8 306:22  
**newest** 222:8  
**newly** 162:13  
**news** 32:11 44:20 45:15  
47:13 214:12 234:6  
253:11,19 299:16  
**newspaper** 253:5  
**nexus** 118:5 124:1  
**Nha** 170:8  
**Nhon** 170:8  
**nice** 30:13 242:1 253:9  
268:5,7  
**nicely** 286:13  
**nicest** 8:13  
**night** 30:1 221:15  
224:12 249:10  
**nightmare** 237:5 255:7  
299:13  
**NIH** 39:5,5,8 62:8 68:1  
**Nile** 106:8  
**nimble** 269:21 282:12

**nimbleness** 269:22  
**nine** 25:11 103:15  
**Ninth** 164:17  
**Nixon** 8:4 191:17  
**no-win** 94:6  
**nomination** 22:20  
**nominations** 20:4 23:6  
**nominees** 23:1  
**non-deployed** 74:21  
**non-direct** 242:22  
**non-exposed** 87:5  
**non-issue** 83:10  
**non-presumptive** 193:9  
**non-rating** 24:2  
**noncontiguous** 307:21  
**normal** 115:1 132:13  
233:10  
**normally** 103:20 122:3  
169:18 200:3 307:8  
**north** 63:3,5,5 124:20  
125:12 153:17 170:10  
173:4,10 191:3,19  
279:12 307:18  
**Northern** 63:21 206:18  
**noted** 16:1  
**notice** 217:11  
**noticed** 149:15  
**noticing** 306:1  
**notifications** 217:5  
**noting** 157:3  
**notion** 51:2  
**NOVA** 2:8  
**nozzles** 165:21 186:20  
208:15  
**NRAC** 42:10  
**nudging** 286:13  
**nullified** 171:19  
**number** 8:15 25:15,18  
26:13,19 30:3,11  
31:16,21 33:21 53:13  
55:19 57:7,11 67:6  
69:13 75:9 82:7 84:4  
87:7 92:11 100:18  
109:21 112:6 127:5  
127:21 169:4 179:20  
188:3 194:12 209:13  
210:11 218:6 224:9  
226:5,15 227:7 242:5  
242:6 243:12 244:20  
247:20 252:7,11  
307:16  
**numbers** 32:17,22  
96:15 168:15 215:4,9  
224:12,14 229:7  
241:12 252:10 256:4  
264:17 297:3  
**numerator** 126:13  
**numerous** 172:13

177:18 191:12 201:15  
203:22  
**nurse** 61:13  
**nurses** 60:20 65:4  
**nutshell** 169:3 172:12  
**NVLSP** 171:3,12,14  
**NVLSP's** 165:5  
**NW** 1:12  
**NWQ** 221:8,9,11,13  
224:1,5 227:15 231:3  
232:4,4 249:10 307:7

---

**O**


---

**o'clock** 151:7,11,12  
**Oakland** 221:20  
**objectives** 218:3  
**obligated** 130:5 182:22  
**obvious** 52:3,6 208:8  
**obviously** 37:12 40:4  
46:19 51:5 60:7 65:19  
68:1,19 72:11 73:17  
84:11 201:6 281:1  
**occasion** 73:14  
**occupied** 191:6  
**occur** 74:16 176:20  
190:2 204:19 261:14  
261:15  
**occurred** 180:2  
**occurrence** 237:20  
**occurs** 190:7  
**ocean** 169:16 170:12  
**October** 14:7 15:5  
218:20 255:13  
**odds** 68:18  
**OEF** 46:9  
**offer** 160:15  
**Offered** 15:17  
**office** 14:3 16:11 19:15  
19:16,20 20:16 36:3  
36:21 37:5,11,15  
38:16 39:7,17 42:7,9  
42:14 43:4 50:8 53:17  
55:17 56:1 62:20 87:3  
88:17 92:7,10 98:6  
124:21 131:18 168:13  
187:7,10 195:20  
217:20 218:2 219:20  
219:21 222:5 224:8  
226:10,15 227:12  
230:7 245:1,4 248:9  
250:13 273:22 275:17  
276:15 281:8 291:4  
291:19 292:21 293:2  
293:18 294:11,13,15  
294:16 296:7 297:15  
297:16 302:17 304:22  
305:2,5 307:1  
**officer** 2:2,2 37:1 45:7

64:8,14 171:1 234:3  
234:16  
**officers** 240:10  
**offices** 25:17 26:4  
86:18 99:22 112:10  
112:13 121:6 123:1  
125:15 187:6 218:19  
222:2 224:15 226:4  
226:18 230:9,10,12  
244:14,18,22 245:6  
248:15 269:13,15,16  
269:19 273:16,19  
274:1 291:6,11,11  
292:5 294:2 297:13  
**officially** 309:14  
**offset** 241:17  
**offshore** 170:4 171:16  
172:3,4  
**offspring** 174:7 183:13  
183:14 184:16  
**OGC** 144:7  
**Ohio** 61:5 176:2 186:3  
292:20,20  
**OIF** 46:9  
**OIF/OEF** 61:20 70:14  
70:20,21 71:10 72:8  
74:15 81:17 102:1  
107:4 109:3 145:16  
**oil** 46:20,22,22 72:14  
96:22 97:11 101:10  
101:14 102:2  
**Okinawa** 177:9 198:2,2  
198:4,12,15,17,21  
199:10 200:14 201:8  
**old** 7:8 10:3 92:9  
225:17,18,22 226:2  
237:3,6 239:7 253:12  
301:5,12 302:8  
**older** 120:16 225:12  
**oldest** 29:11 188:10  
222:7  
**on-the-job** 289:11  
**once** 25:22 119:2 142:6  
200:8 224:13 225:8  
237:1 265:5 266:3,3  
270:11,11 285:2  
287:14  
**once.'** 241:22  
**Ondra** 62:22 64:17  
**one's** 54:2  
**one-month** 203:18  
**one-size-fits-all** 278:19  
**ones** 37:20 71:3 82:14  
88:22 100:3 116:12  
126:9 159:14,20  
162:6 168:15,16,16  
170:10 215:7 239:13  
243:14,17 244:1



262:11  
**ongoing** 102:6  
**online** 6:1 19:3 148:15  
 266:20 306:8  
**onus** 109:13  
**onward** 154:14  
**open** 6:14 56:20 143:2  
 155:9 169:16 170:7  
 170:12 176:7 213:20  
 249:22 269:3 271:17  
 295:2  
**opened** 276:5  
**opening** 3:2 6:9 17:3,4  
 18:7,9,16 19:6 28:13  
 287:19  
**opens** 277:1  
**operate** 14:4 291:16  
**operated** 169:7,15  
**operates** 56:19 66:15  
**operating** 273:10  
**operation** 64:1 71:2  
 102:16 153:9 154:1  
 268:15  
**operational** 206:20  
 304:19  
**operations** 71:2 117:3  
 121:12 124:15 294:13  
**OPERATOR** 101:3  
**opinion** 124:5,6 126:10  
 138:6,7 167:4  
**OPM** 303:21  
**opportunity** 73:17  
 151:18 285:22 302:19  
**opposed** 68:18 132:13  
 290:2  
**option** 238:5  
**options** 109:20 125:21  
 286:10  
**Orange-related** 109:10  
 133:16  
**order** 76:21 108:6 138:5  
 141:17 220:19 249:8  
 265:13 269:16,18  
 271:18,22 274:1  
 277:2 278:3 286:19  
 300:13 302:5  
**ordered** 191:18,18  
 249:9  
**ordering** 220:5  
**orders** 205:17,21 305:3  
 305:3  
**organic** 156:6  
**organization** 21:15  
 257:7 258:16 309:3  
**organization's** 270:15  
**organizations** 20:11  
 256:5 288:11  
**organized** 92:17

**oriented** 93:12  
**origin** 144:8,13 182:2  
**original** 95:12 104:14  
 104:22 107:1 145:15  
 150:4,7 167:20  
 182:10 195:19  
**originally** 105:9 153:15  
 154:11 171:3 192:1  
 277:10  
**ORM's** 246:6  
**Orto** 2:7 5:5,5 146:14  
 146:19  
**outcome** 233:20 260:10  
 260:19 261:22  
**outcome's** 197:17  
**outdoor** 201:1  
**outlets** 32:10  
**outliers** 147:10  
**output** 239:3  
**outset** 71:6 100:8  
**outside** 43:15 67:13  
 108:1 115:22 167:2  
 187:4,5 205:2,5,12  
 240:9 303:12  
**overall** 215:12 216:8  
 270:14,17  
**overcome** 124:11  
**overhead** 246:14  
**overpaying** 240:21  
**overseas** 204:19  
**overseeing** 304:17  
**oversight** 70:8 304:19  
 305:1  
**overtime** 217:7,9,11,15  
 217:18 218:1,5,7,15  
 245:8,9,15,16,18  
 252:3 305:12,13  
**overworked** 112:13  
**ownership** 285:15  
**owning** 270:15

---

**P**


---

**P** 68:6  
**P-R-O-C-E-E-D-I-N-G-S**  
 4:1  
**p.m** 151:15 212:6,7  
 309:16  
**PA&I** 127:15  
**pace** 80:1 230:17,22  
 236:20  
**Pacific** 208:19 219:10  
 219:15  
**pack** 226:16  
**package** 20:19 21:2  
**page** 56:2 58:8,9 59:14  
 125:16  
**pages** 59:3,5,5 196:16  
 202:8,8  
**paid** 134:19 207:4  
 251:8  
**pain** 47:20 48:7,7  
**paint** 178:4  
**Pam** 135:5 136:1  
 285:22  
**Pamperin** 1:20 5:20,20  
 17:10,15 23:11,15  
 24:16 26:15 33:11,15  
 75:20 89:13 90:18  
 91:1 115:15 127:12  
 132:1,10 133:3,17,22  
 134:16 164:10,18  
 178:13,16 179:1,5,9  
 207:19 208:1,7  
 215:16,19,22 222:21  
 223:8 236:17 238:21  
 248:2 273:6 281:5,12  
 282:1 289:19 299:22  
 307:10  
**panel** 62:16  
**paper** 283:3,3  
**paperless** 270:1  
**papers** 72:7,7 76:12  
 83:4,7  
**paragraph** 120:22  
**parallel** 262:17 299:15  
**Parasites** 106:2,3  
**pardon** 85:19 128:11  
 155:16 178:15 204:14  
**parent** 182:3  
**Paris** 191:20  
**Parkinson's** 63:16  
 163:7,9,17,22  
**Parkinson's-like** 161:6  
 163:3,12 164:2 182:7  
**part** 26:22 39:17 43:8  
 66:14,16 67:7,17 71:7  
 76:19 80:14 82:22  
 83:2 87:1 94:12,17,20  
 95:1 106:22 107:1,4  
 110:10 121:16 161:9  
 168:9 178:20 179:17  
 179:17 184:10 199:15  
 214:7 223:21 237:13  
 243:16,21 246:1  
 263:20 265:20 294:17  
 295:20 296:6 301:10  
 301:19,21 302:7  
 304:18  
**part-** 293:22  
**part-time** 114:21,21  
 258:4  
**partially** 110:6,14 111:7  
 111:8,13 128:19  
 141:22 142:1 143:4,5  
**PARTICIPANT** 32:6  
 85:8 86:13 99:4 106:5

129:12 139:2 148:20  
 154:7 181:1,3 197:21  
 198:1 211:21 248:3  
 254:15 268:12 301:2  
**participate** 79:10  
**participated** 89:19  
**participates** 33:12  
**particular** 40:18 51:18  
 68:10 93:18 96:18  
 115:20 123:21 141:4  
 143:18 144:9,13  
 201:14 202:1 217:20  
 298:16 303:9  
**particularly** 33:4  
**particulars** 27:16  
**partner** 92:8 293:3  
**parts** 14:8 102:20 155:2  
 188:18  
**party** 233:22  
**PA's** 280:6  
**pass** 36:13 263:19  
**passed** 7:9 27:6 81:22  
 99:9 139:9 156:14  
 174:12,13  
**passing** 13:14 51:17  
**pat** 2:7 4:12 14:15  
**Patches** 188:9,9  
**pathophysiology**  
 110:10 111:2,7,13  
 128:18 129:5 141:9  
 142:10,20  
**Patient** 87:2  
**patients** 62:6 84:4,14  
 91:19 95:2 164:9  
 303:15  
**pattern** 30:21,22 104:5  
 104:20 105:15 116:9  
 116:10 129:3  
**patterns** 104:8,9  
**pay** 239:8 241:15  
 243:12,13 245:12,14  
 278:3 280:22 281:4  
**paying** 245:13,14 250:6  
 250:19  
**payment** 91:4  
**payments** 90:20 281:15  
**payouts** 241:13  
**peace** 191:20  
**Peake** 161:13  
**pen** 154:6  
**pending** 24:21 25:16  
 26:13 141:5 142:3  
 143:11 146:5 161:8  
 170:17 172:13 197:14  
 197:16 210:19 225:4  
 237:2,6 246:2 298:8  
 300:15 303:5  
**Pennsylvania** 186:2

- pension** 1:3 100:2  
117:17 242:14 246:9
- people** 8:13 10:7 13:18  
22:3 24:4 25:12 30:3  
33:16 34:4 39:2 43:20  
44:14 49:17 66:21  
72:20 73:2 78:17,20  
78:20 89:17,18 90:15  
102:9 120:6 126:14  
127:8 128:5 132:3  
133:1,11 137:3 145:8  
156:17,20 163:19  
198:15 207:3 214:10  
214:15 216:20 217:4  
217:9 224:9 225:20  
226:6 227:7 228:17  
232:9 241:9 242:13  
242:15,21 243:1,5,9  
243:11,19 245:14,20  
248:1,7,8 250:4,16  
251:4,5,8 255:2,5  
257:2 258:4,10  
259:22 263:21 266:20  
281:4 283:9 285:7  
288:12 290:12,20  
291:9 302:17 303:5  
307:18 309:1,5
- people's** 135:9 210:7
- percent** 21:17 74:20  
75:3,9,10,13,14  
109:15 126:16,17,20  
126:20,22 127:2,2,2,4  
146:14,16 154:15,16  
215:5 221:4 228:6,7  
228:14 234:7,11,14  
235:2,2 244:2,4,10,11  
244:12,17,18,22  
245:7 250:11,14,14  
250:20 251:18,22  
252:5 254:4,5 255:11  
255:16,16 256:6,11  
257:20 258:2 260:18  
260:22 261:1,15  
262:3,7,9,10 270:19  
271:1,4,5,7,7,10,13  
273:16 281:14 286:5  
296:12
- percentage** 136:19  
222:16 243:6
- percentile** 298:21
- Perez** 63:2
- perfected** 26:5
- perform** 205:14
- performance** 34:2  
229:1 251:11,13
- performances** 220:18
- performed** 40:6
- performing** 215:7  
244:18 252:6,19
- perimeter** 193:11  
194:16,17 195:1,2  
196:1
- perimeters** 192:5,13,18  
194:17,19,20
- period** 22:17 23:9 28:2  
62:12 70:14 102:13  
151:8 190:3 198:5  
207:5 243:12,13
- periods** 59:15
- permanent** 17:7
- Permanente** 63:22
- Persian** 45:21 101:8  
102:4,5,5 107:1 109:2  
116:5 145:15
- persistence** 177:22
- person** 6:6 25:8 27:5  
40:13 49:13 69:19  
70:19,20 114:15  
150:7 167:21 228:2  
234:20 250:6 259:20  
260:21 264:4 268:1  
282:2 297:6
- personal** 35:10
- personally** 16:3 169:6  
196:17
- personnel** 153:18  
168:12 204:2,11  
206:20
- persons** 20:9,13,18  
21:5
- perspective** 70:6 85:4  
89:16 134:17 236:13
- perspectives** 65:1
- pesticides** 47:2
- Pete** 284:3
- Peter** 34:22
- petition** 197:13
- Ph.D** 63:15
- Ph.D.s** 60:20
- phase** 240:11
- PhD** 166:3
- PhDs** 38:11
- Philadelphia** 62:20
- Philbert's** 63:10
- Philippines** 199:9
- phone** 53:13 55:18  
57:11 246:11 249:17  
257:8 258:11
- phonetic** 91:22
- photograph** 200:19,22
- photolysis** 208:12
- photos** 101:10
- physical** 184:18
- physician** 63:18
- physicians** 60:6 65:2  
65:20 108:1 280:6,14  
280:15 284:6
- pick** 30:1 253:5
- picked** 46:15 253:10  
276:5
- picking** 283:18
- picture** 28:8 159:2  
269:8 290:19
- pie** 266:2
- piece** 52:9 266:2 270:16  
300:9
- pills** 47:3 72:18,22  
96:21 101:19
- pilot** 78:16 185:19,19
- pilots** 157:11
- pinpoint** 146:3
- pipe** 289:8
- piques** 84:12
- pit** 29:20 139:21,21  
140:6
- pits** 55:4 72:13 106:22  
106:22 107:3,5  
111:17
- Pittsburgh** 294:12
- place** 34:16 40:13 72:14  
99:20 135:15 214:3  
243:7 277:15 291:6
- placed** 20:4,11
- places** 31:11 41:17  
55:12 98:15,17  
135:16 219:14 221:19  
274:21 277:16,19  
292:5,18 293:2
- plan** 65:9,10,22 219:3  
300:18
- plane** 166:18 188:18  
208:5
- planes** 166:12,17,19  
185:20 186:8 189:20
- planned** 281:8
- plans** 223:5,8,19
- plastic** 156:18
- plays** 152:4
- pleading** 230:17
- please** 21:4 48:14 121:4  
122:12 124:5 266:9  
283:11
- pleasure** 267:8
- plenty** 13:9 44:4 46:19  
46:22 63:6 88:13  
152:19 218:12
- plug** 224:1
- plumes** 97:1
- plummeted** 31:3
- plural** 68:6
- plus** 44:14 219:3,4  
225:12 234:21 245:18
- plussed** 258:7
- pockets** 221:19
- point** 17:19 18:2 19:9  
36:10,11 37:22 39:8  
57:15 85:2 99:19  
119:17 147:1,14  
148:10 150:4,5  
152:17 173:2 177:1  
181:17 188:2 207:19  
213:22 217:11 218:11  
229:10,21 230:21  
231:11 235:8 242:1  
244:9,9 246:20 247:5  
249:14 264:22 282:8  
290:9 291:21 292:10  
303:9
- point-in-time** 29:19
- pointed** 56:22 66:12  
71:1
- Policies** 3:5,10
- policy** 36:12 112:15  
118:13 133:14 174:10  
187:9 194:11 196:21  
200:2 211:14 268:16  
299:4 304:17
- political** 198:16
- pollination** 98:7
- population** 34:6,18  
74:11,13,17 75:17,22  
76:3 79:20 298:16  
307:12,16
- populations** 34:21 72:3  
75:18
- portfolio** 32:15 39:13
- portfolios** 68:22
- position** 17:7 124:19  
141:15,16 182:19  
186:9
- positions** 27:15 154:3  
235:11 242:15,22  
244:6 246:5 247:12  
247:13
- positive** 305:22
- possibilities** 52:3  
290:15 295:3
- possibility** 68:12  
130:11 189:16
- possible** 13:2 221:9  
242:6 293:6 300:17  
300:22 303:10 304:9
- possibly** 220:15
- post** 168:13 217:14
- post-** 90:10
- post-2001** 145:15
- post-9/1** 109:3
- post-9/11** 102:13  
139:22
- post-deployment** 86:19  
87:1,14,18 92:9  
131:18

**post-service** 120:1  
**posted** 195:8 200:9,10  
**posting** 21:5  
**pot** 39:6 80:21  
**potential** 101:20 109:5  
 111:18 112:7 173:10  
 274:18 300:1  
**potentially** 159:4 169:9  
**power** 252:15  
**powerful** 297:21  
**practical** 264:7  
**practice** 41:19 67:8  
 92:20 282:2,6 294:22  
 302:3,6  
**practitioner** 149:20  
**practitioners** 93:7  
 149:17 278:17 279:3  
**pre-9/11** 90:10  
**pre-discharge** 219:4  
**pre-notifying** 217:17  
**precedent** 176:17  
**precedential** 177:17  
**precision** 44:11,17  
**preclinical** 40:9  
**predict** 259:6 260:18  
**predicting** 34:11  
**predictive** 258:19,22  
 259:3 261:18  
**predominance** 298:15  
**prefer** 48:22  
**pregnant** 274:6  
**prepare** 21:2 285:10  
**prepared** 288:4  
**preparing** 285:17  
**present** 1:14 2:1 15:2  
 22:7 27:5 36:15 56:5  
 100:17 155:12  
**presentation** 36:8  
 85:21 86:3 114:7  
 152:11 171:12,13  
 306:15  
**presented** 10:5,10  
 32:20 56:5 78:16  
 189:8  
**presenters** 93:4  
**presenting** 135:6 136:2  
 286:2  
**president** 8:4 21:10  
 52:1 63:13 191:17  
**Presidential** 46:1  
**presiding** 1:13  
**press** 99:7  
**pressure** 97:10 186:13  
 197:5  
**presumably** 133:11  
**presume** 104:13 185:11  
**presumes** 166:22  
**presuming** 110:21

**presumption** 116:19,20  
 118:12 158:1,6,19  
 168:2,19 169:10  
 170:14 171:16 172:11  
 172:14 174:12,14,19  
 175:9 189:19 190:10  
 193:3,14  
**presumptions** 123:12  
**presumptive** 28:9  
 59:19 60:3 85:5,8,11  
 85:17,18 116:10,12  
 116:21 118:11 119:3  
 120:1 123:7 124:2  
 128:1 137:6,12,21  
 138:6,8 142:15 143:1  
 160:14 175:19 177:1  
 181:17 182:3  
**presumptively** 158:8  
 210:17  
**presumptives** 15:10  
 27:21 54:10 85:13  
 137:19,20 138:2  
 144:10 158:11,16  
 160:17 306:22  
**pretty** 50:15 56:10,13  
 60:13 61:7 67:15 70:5  
 100:6 112:3,15  
 124:18 126:19 143:7  
 146:2 165:7 166:10  
 216:3 219:16 221:3  
 231:18 259:15 265:15  
 265:16 272:11 281:15  
**prevailed** 213:8  
**prevent** 24:6  
**prevention** 295:21  
 296:6  
**previously** 34:20  
 272:12  
**primarily** 90:13,17  
 153:8 156:7 167:3  
 169:16 174:16 270:8  
**primary** 62:2 93:7 154:1  
 170:9  
**prime** 213:15,16  
**Principle** 17:11  
**print** 130:11,11  
**printers** 130:14  
**prior** 17:2 30:8 120:14  
 153:12 209:8 221:11  
**priorities** 16:12 19:1  
 222:10  
**prioritization** 222:8  
**prioritize** 290:18  
**priority** 31:16,22  
 222:12 225:13  
**private** 61:9 149:17,20  
 150:6 241:7,10  
 291:17

**privilege** 6:15 7:20,21  
 12:22 152:7  
**privileged** 8:7  
**proactive** 303:19  
 304:10  
**probability** 263:4  
**probably** 29:7 31:12  
 41:1 45:10 54:7 56:12  
 67:1 69:5 75:9 97:7  
 100:13,19 108:20  
 136:4 166:11,17  
 185:8 190:21 197:19  
 201:4 210:6 215:6  
 266:17 268:14 283:13  
 286:13 296:4  
**problem** 18:3 39:10  
 48:5 66:9 72:22 84:15  
 84:16 94:13 97:13  
 101:18 102:7 113:2  
 115:5 122:18,20  
 129:22 133:15 147:11  
 147:12 150:9 160:1  
 190:20,21 200:6,9  
 262:20  
**problematic** 200:15  
**problems** 38:8 39:3  
 40:7 47:21,22 48:1,9  
 48:12,18 49:11 50:9  
 50:14,18 51:3,4,13  
 57:17 60:5 62:19  
 74:13 75:11 76:4 78:6  
 78:6 80:22 82:4 83:9  
 88:21 94:17 99:15  
 112:20 113:16,17  
 122:20 130:3 184:18  
 217:12,13,13  
**procedural** 304:18  
**procedure** 41:18 133:4  
 268:16  
**process** 14:12 22:21  
 25:13,22 26:14,18  
 38:4 116:1 119:4  
 122:21 132:13 138:15  
 140:21 146:13 147:6  
 160:8,14,15 162:17  
 164:15 209:5 215:12  
 219:17 224:11 226:15  
 228:7 231:8,16  
 232:22 233:7,10,18  
 233:22 234:22 239:10  
 239:15 244:3 255:4  
 259:4 262:18 287:11  
 287:20,21 288:20  
 292:15 300:19 302:14  
 302:15 307:8  
**process-** 162:21  
**processed** 307:5  
**processes** 39:14 40:16

270:1  
**processing** 121:1 292:7  
 295:17 305:3 306:21  
**processor** 271:22  
 276:7,22  
**processors** 271:17  
 273:22 305:21  
**proclamation** 46:1  
**produce** 58:17 95:1  
 114:12,13 224:16  
 226:5  
**produced** 58:9 91:16  
 103:6,12 156:18,19  
 156:19 187:19 191:10  
 191:16 199:2  
**produces** 112:2  
**producing** 231:20  
**product** 286:17  
**production** 224:9 229:7  
 242:20 245:6 252:15  
**productive** 251:9  
**productivity** 247:22  
 291:22 306:2  
**professionals** 118:2  
**program** 14:19,20 22:1  
 33:12 37:17 39:2,11  
 41:9,9,17 42:3 43:2,4  
 43:5,9 67:4,17 68:7  
 68:14 82:21 165:6  
 222:13 223:13 237:11  
 300:7  
**programmed** 237:10  
**programmers** 302:16  
**programming** 223:12  
 238:4  
**programs** 39:9 67:20  
 67:21 68:4,5,6,8 69:1  
 81:18 92:12  
**progress** 15:12  
**progression** 165:3  
**prohibitionist** 11:20  
 12:1  
**project** 68:10 69:9 80:7  
**projects** 38:18 39:13  
 42:5 61:8 88:12,14,16  
 89:4,6  
**promote** 130:16  
**promotion** 29:10,10  
**prompts** 287:5  
**pronounce** 42:19 43:1  
**properly** 300:14  
**proposals** 211:1  
**propose** 236:22 304:4  
 309:3  
**proposed** 299:6  
**prostate** 159:15 210:10  
**protect** 73:1  
**protected** 153:21

**Protection** 62:18  
**protest** 213:5 273:12  
**protests** 270:13  
**protracted** 23:9  
**provide** 37:16 56:14  
 81:6 100:7 124:5  
 150:1 152:6 169:22  
 196:9 285:8 286:10  
 292:11  
**provided** 21:21 196:15  
 203:11  
**provider** 62:2 92:5,6  
 93:14 95:10 279:17  
**providers** 38:3,6 58:5  
 84:19,20 92:21 93:7  
 94:8,11 95:6,7 279:14  
 280:14  
**provides** 42:12,19 58:4  
 158:1  
**providing** 121:15 182:2  
 285:1  
**proximity** 276:12  
**psychiatrist** 278:4  
**psychiatry** 280:17,22  
**psychological** 51:3  
**psychosomatic** 51:3  
**PTSD** 147:16 153:5  
**public** 19:7 56:20 57:13  
 57:16 63:11 73:15  
 78:2 87:3,16 89:11  
 92:10 131:19 132:9  
 139:9 157:2,6 246:11  
 292:13,14 296:15  
**publication** 18:12  
**publications** 89:8  
**publicity** 32:9  
**publish** 83:4 239:22  
 241:21  
**published** 72:8 77:7,17  
 78:7,8 79:1 83:7  
 91:20 157:6 197:9  
 198:13 200:18 202:2  
 203:6 237:22 299:7,7  
 303:16  
**publishes** 166:5 200:7  
 302:21  
**publishing** 237:20  
 301:12 302:11  
**Pueblo** 173:6,6  
**pull** 129:14 237:2  
 259:21 264:3  
**pull-up** 273:11  
**pulled** 46:11  
**pulling** 250:9  
**punch** 160:19 202:9  
**Purple** 154:12  
**purpose** 153:14 234:13  
**purposes** 180:20

**push** 25:6 224:14,21  
 225:16,19 226:3  
**pushed** 216:18 222:6  
 225:13 252:20  
**pushing** 218:10 225:20  
 226:19 285:18 289:16  
**put** 10:22 20:19 23:21  
 33:7,15 39:5 41:18  
 46:16 52:14 59:18,20  
 82:19 89:10 102:22  
 105:20 108:13 121:13  
 132:20 138:5,7,10  
 143:22 161:12 164:19  
 214:3 220:16 221:12  
 224:3 230:1 245:5  
 250:12 251:12 255:12  
 256:10 257:3 258:5  
 262:21 265:13 266:7  
 274:13 283:12 291:5  
 291:5 294:7 301:11  
**puts** 252:5  
**puzzled** 181:10  
**pyridostigmine** 47:2  
 72:18 96:21

---

**Q**


---

**Q&A** 3:8  
**QTC** 219:7 280:10  
 281:7  
**qualifications** 108:11  
**qualify** 107:9 110:14  
 128:10,13 141:17  
 189:22  
**quality** 147:19 230:3,6  
 230:13,21 231:2,2,10  
 231:13,17,20 252:10  
 263:6 268:17  
**quarter** 82:1  
**question** 14:10 15:11  
 27:1,7,21 70:12 71:20  
 76:10 85:20 86:12,17  
 89:14 96:5 115:4  
 116:11 120:19 128:3  
 129:19 131:14 132:10  
 132:19 134:6 135:14  
 136:1 147:2 155:13  
 167:10 214:7 218:18  
 223:21 232:12 234:14  
 242:21 253:2 256:20  
 258:14 279:1 283:21  
 284:5 286:2,5 287:22  
 289:19,20 299:10  
 300:22 301:10 302:8  
 303:10  
**questionable** 180:8  
**questioning** 240:2  
**questionnaires** 285:16  
**questions** 18:10 85:2

93:17 96:2 98:3 99:14  
 112:7 114:8 115:8  
 120:21 139:5 146:13  
 148:8,10,20 149:3,7  
 172:20 190:18 197:8  
 211:9,14,20 212:18  
 213:6 236:8 261:4  
 269:4 282:15 292:8  
 301:5,15,18,20 302:1  
 302:4,20 306:5,12,15  
 308:1  
**Queue** 14:14 23:13  
 24:10 219:20 220:21  
 222:20 223:2 226:7  
 269:22 275:14 308:20  
**Qui** 170:8  
**quick** 29:2 86:11 96:5  
 231:18  
**quickly** 13:3 274:13  
**quiet** 35:9  
**quite** 9:8 87:20 104:15  
 105:7 120:17 134:16  
 156:21 169:20 172:5  
 175:15 236:7  
**quote** 146:20 290:10  
**quote-unquote** 81:19

---

**R**


---

**R** 1:17 40:10,22 41:6  
**RAC** 42:18,19  
**radical** 291:12  
**radiologist** 274:5  
**radius** 171:16  
**rail** 199:2  
**rainbow** 154:9,10  
**raise** 145:18  
**raised** 17:21 123:13  
 190:12  
**raising** 26:18  
**ran** 95:14 151:21  
 258:15 264:10 291:6  
**Ranch** 153:9 154:1  
 157:11,11 166:12,19  
 185:20  
**range** 174:1 254:19  
**ranging** 212:13  
**Ranh** 170:9  
**ranking** 266:4  
**rare** 120:11 145:10  
**rashes** 48:2  
**ratable** 256:6  
**rate** 25:9 75:2 106:10  
 109:18 126:5,19,21  
 127:5 134:13 146:15  
 146:16,21,22 147:5  
 153:7 154:4 156:14  
 157:14 164:22 166:8  
 166:18 167:15 170:19

183:6 198:9 202:14  
 204:8 230:1,7,12  
 231:21 233:17 235:2  
 243:19 250:14 254:4  
 254:13 255:11,14,15  
 256:1,12,19 272:12  
 284:12 298:20  
**rate's** 134:13  
**rated** 25:8 229:4  
**rater** 233:14 235:1  
 239:5,8 246:10 284:3  
 284:4  
**raters** 107:8 112:9  
 126:10 218:14 224:19  
 284:7 287:5  
**rates** 230:2  
**rating** 89:15 214:19  
 216:20 218:13,16  
 222:1 227:10 233:6,8  
 236:20 237:9 239:14  
 264:10 300:4 301:20  
 301:21 305:12 306:2  
**ratings** 24:5 264:14  
**ratio** 242:19  
**rationale** 141:21  
**RAUBER** 2:8  
**Rauch** 63:12  
**re-barreled** 209:4  
**re-focus** 152:7  
**reach** 35:13  
**read** 15:16 30:16 92:2  
 101:7 104:12,15  
 166:18 180:10 202:7  
 228:14 234:5  
**readily** 107:16 134:12  
**reading** 26:16  
**ready** 32:22 152:3  
 225:3,5,11 232:22  
 241:20 275:16 288:10  
 303:1  
**real** 12:22 176:10 188:3  
 217:8 285:3  
**realignment** 180:2  
**realistically** 91:2  
**reality** 80:20  
**realize** 154:18,22  
 210:14 290:6  
**realm** 45:21  
**rearranging** 233:1  
**reason** 21:13 68:10  
 91:3 99:21 131:10  
 193:17 215:14 228:12  
 243:16 263:15 274:5  
 274:7 276:13  
**reasons** 24:20 194:11  
 196:5 272:15,19  
 280:7  
**reassurance** 262:21

- reassuring** 230:16  
**rebuilt** 192:2  
**rebut** 266:10  
**recall** 11:6  
**recap** 13:3 28:7  
**receive** 12:14 21:22  
**received** 8:2,3 10:4  
     85:6 201:15 207:20  
**receiving** 38:17  
**reception** 6:17 7:2,14  
     10:4,13 21:8 29:9  
     151:17  
**recipient** 9:21 151:17  
**recipients** 7:13  
**recognition** 105:2  
**recognize** 108:1 116:18  
**recognized** 31:10  
     143:22  
**recognizing** 49:6  
**recommend** 182:11  
**recommendation** 20:21  
     235:9  
**recommendations**  
     42:13 53:5 56:7 58:2  
     58:3 59:10,12,13,14  
     65:6 77:22 160:16  
**recommended** 160:18  
     160:20 161:21 182:14  
**reconvene** 35:17 151:7  
**record** 10:20 28:21 35:6  
     35:20 54:19 113:12  
     151:14 168:5,14,14  
     175:12 212:6 309:16  
**recorded** 151:22  
**records** 162:11 164:8  
     168:11 173:13,16  
     196:18,18  
**recovering** 19:4  
**recruit** 280:16  
**red** 248:9,12 249:15,17  
**redeployed** 50:20  
**redesign** 239:20  
**redistributing** 240:19  
**reducing** 23:22 24:6  
     241:15  
**reduction** 232:9  
**Reed** 88:3,4  
**refer** 158:10,10  
**referred** 139:16 175:4  
     192:12  
**refers** 209:20  
**refinement** 261:19  
**reflection** 32:11 35:10  
**reflective** 71:11  
**refuted** 24:12  
**regards** 300:12  
**region** 71:12 75:19  
**regional** 25:16 26:4  
     112:10,12 121:6  
     123:1 124:21 125:15  
     187:6,10 195:19  
     217:20 218:19 224:7  
     224:15 226:4 244:14  
     248:15 250:12 269:13  
     269:15,16,19 273:16  
     273:18,21 274:1  
     275:17 276:15 292:5  
     292:20 293:1,17  
     294:1,11,15 297:13  
     297:14 304:22 305:2  
     305:5 307:1  
**Register** 20:6 53:14  
     237:21 302:12,21  
**registry** 21:6 139:21  
     140:7  
**regular** 116:1 262:18  
     278:2  
**regularly** 68:20 100:14  
     131:18 156:21 168:8  
     198:11  
**regulation** 102:8,17  
     104:2 106:17 107:6  
     107:10 110:7 113:8  
     115:13,18,20,22  
     116:21 117:14 119:4  
     130:5 143:20 156:13  
     158:3,5,11 161:10  
     174:13,13 177:22  
     182:2,3 183:12,20  
     189:18 190:9 241:5  
     301:7,13,19 302:1,5  
**regulations** 100:17  
**regulatory** 171:21  
     179:7 302:3  
**rehab** 39:14 41:6  
**rehabilitation** 40:4,22  
     292:12  
**rehire** 247:15  
**reign** 259:14  
**reintegration** 41:3  
**rejected** 122:5  
**relate** 29:5  
**related** 67:14 71:9  
     86:16 101:1 103:19  
     115:11 138:8 142:5  
     153:2 161:16 182:8  
     190:3 280:21  
**relationships** 276:18  
**relative** 42:2 257:9  
**relatively** 163:7  
**relay** 10:17  
**release** 186:13  
**released** 53:3,22  
**reliance** 289:22  
**rely** 100:10 112:4  
     119:22 150:6  
**remaining** 208:20  
**remand** 195:16,19  
**remarks** 3:2 148:18  
     269:2  
**remember** 29:19 46:13  
     50:7 64:11 92:16 97:5  
     106:16 173:5 218:6  
     235:20 248:5 258:15  
     287:6 307:15  
**remembering** 47:21  
**remembers** 191:8  
**reminder** 45:11  
**remote** 280:9  
**removing** 182:11  
**renew** 160:7  
**renewing** 56:21  
**repeat** 268:21  
**repeated** 8:8 30:14  
**repeatedly** 84:7  
**replace** 223:5,9,19,22  
**replacement** 24:9 223:3  
     241:16 261:3 264:21  
     265:3  
**replacing** 223:1  
**replicated** 70:14  
**replication** 78:12  
**report** 14:6 15:6 17:1  
     18:4,21 19:14,14 30:4  
     39:22 51:8 52:12 55:5  
     55:9 58:9,16,17 59:2  
     69:11,16 76:6 90:10  
     112:3 139:19 160:9  
     160:18 161:5 162:2  
     163:14 164:4 182:6,6  
     182:8 191:11 192:12  
     198:19 229:15 238:8  
     238:9,13 247:19,22  
     249:11 251:13  
**reported** 46:14 47:19  
     48:3 73:9 97:10  
     150:19 227:7  
**reporter** 253:9  
**reporting** 48:11 51:13  
     201:21 263:1  
**reports** 15:4,7 17:2  
     52:10,17,22 53:7,21  
     54:21 56:8 58:8 59:9  
     69:22 76:12,13,22  
     77:6 79:5,5 90:11  
     95:17 103:7 160:4  
     166:7 191:13,13  
     249:22  
**represent** 4:16 100:20  
     100:20 234:17  
**representative** 235:13  
**represented** 188:2  
     240:5  
**representing** 6:16 8:12  
**represents** 21:11  
**reprimand** 192:4  
**Republic** 153:11  
**request** 54:3 60:15,16  
     84:21 124:4 128:6  
     138:5,7 153:10  
     284:13,14  
**requested** 60:16  
**requesting** 126:14  
**require** 118:3 142:20  
**required** 52:10,11,17  
     52:22 53:2 54:2 93:19  
     93:21 106:15 124:1  
**requirement** 277:17  
     302:2  
**requirements** 106:15  
     108:6  
**requires** 106:18 108:3  
     110:8,9  
**rescinded** 9:17  
**research** 3:3 36:4,10,22  
     37:2,8,11,17,21 38:1  
     38:15,17,21 40:2,6,15  
     42:10,14,16 43:20,21  
     50:4 53:17 58:2,2,4  
     59:7 60:5 61:8,9,12  
     62:6 63:16 65:9,11,15  
     66:9 67:7,10,17,19  
     68:2 69:15 70:17 72:7  
     76:12 77:7 78:7,12  
     79:2,3,9,11,16 80:1,2  
     80:3,13 81:6,12,13  
     82:5 83:4 84:21 87:10  
     87:14,19 88:4,15,17  
     89:16 90:13 92:7  
     99:15 100:9 101:2  
     103:3,6 127:16  
     131:11 146:11 165:17  
     174:21 186:18 196:16  
**research-oriented**  
     93:12  
**researched** 198:20  
**researcher** 40:14 61:9  
     62:1 195:14 196:2  
**researchers** 38:6 39:12  
     43:14 48:22 60:20  
     69:3 93:13  
**researching** 42:13  
**reserve** 14:13 186:2  
**reserved** 19:7  
**reserves** 204:7  
**reservist** 185:18 190:2  
**reservists** 189:19,21  
     190:11 207:15  
**resident** 280:17  
**resolution** 68:13 273:4  
     273:5  
**resolve** 18:2

**respective** 69:1  
**respiration** 66:17  
**respiratory** 48:1 61:4  
 64:4 150:9  
**respond** 57:10 200:8  
**response** 19:19 80:5  
 114:14 148:16 176:4  
 201:19 253:10 308:3  
**responses** 57:22  
**responsibility** 51:22  
 94:16 284:21  
**responsible** 174:2  
**rest** 41:21 266:13  
 292:22  
**restored** 9:18 12:18  
**result** 103:12 111:3  
 132:16 147:6 174:6  
 259:8,9  
**results** 225:8,9  
**resumed** 10:20 35:20  
 54:19 151:14 212:6  
**retired** 5:2 88:1 165:19  
 166:3 185:18,20  
**retirements** 243:15  
**return** 233:5  
**returning** 46:13 47:19  
 48:16 50:8 51:6  
**reveal** 154:2  
**revealing** 197:12  
**review** 20:20 34:8 76:14  
 147:19,21,22 148:1  
 162:11 234:22 278:14  
**reviewed** 19:17  
**reviews** 147:21 305:10  
**revisit** 308:15  
**revived** 190:14  
**rework** 228:6 252:11  
**rewritten** 300:13  
**rich** 227:18  
**Rick** 7:20  
**rid** 23:22  
**ridiculous** 202:21  
**rig** 46:21  
**rights** 150:16  
**Rim** 219:10  
**rise** 213:3  
**risen** 27:1  
**rising** 23:18 32:2  
**risk** 161:16 213:14  
 214:5  
**risks** 76:14  
**rivers** 103:22 169:13,21  
**RO** 217:21 226:12  
**road** 140:19  
**Roberts** 1:21 5:7,7 9:10  
 18:4 96:4 253:2,12  
 277:21 279:2  
**rocketed** 282:10

**role** 235:12  
**rolled** 41:15 216:17  
 235:6  
**rolling** 251:19  
**rollout** 236:20 238:19  
 299:11  
**rollover** 216:16 238:5  
**rolls** 248:13  
**room** 1:12 28:6 50:6  
 67:22 289:1  
**root** 231:6  
**ROs** 227:2  
**roughly** 237:17  
**rounds** 263:15  
**Roundup** 210:7  
**rule** 122:12 222:11  
 239:12,17 261:5  
 300:3 302:22 303:16  
 304:5 306:20  
**rule-** 197:13  
**Rule-based** 301:18  
**ruled** 171:14  
**rules** 14:9 221:16 238:1  
 299:6,8 302:10 303:6  
 303:21  
**rumor** 239:18  
**run** 41:17 93:6 201:9  
 239:3,6,7,16 262:16  
 262:17  
**running** 14:17 61:17,19  
 82:20 153:17 197:19  
 254:19 299:15  
**runs** 61:9 63:3,15,18,21  
 68:14

---

**S**


---

**sad** 32:11  
**Saddam** 47:4,8  
**sadness** 297:20  
**safe** 81:14 97:20  
**Saigon** 199:9  
**sailed** 199:7  
**Salvatore's** 90:8  
**sample** 188:21  
**Sampsel's** 85:21  
**sand** 46:19 72:12 96:22  
**sandpaper** 188:17  
**sat** 9:1 185:21 240:3  
**satisfaction** 253:22  
**satisfied** 74:7 256:22  
**Saudi** 45:13  
**sausage-making** 236:5  
**save** 297:9  
**Savoca** 6:6  
**saw** 10:9 30:13 167:7  
 195:1 198:7 221:19  
 232:5,8  
**saying** 44:19 51:16

125:17 138:3 141:14  
 181:16 182:19 196:14  
 199:18 203:3 217:8  
 217:10 228:18 260:17  
 274:17 276:13 280:8  
 301:14  
**says** 67:7 84:7 110:13  
 113:15 117:18 121:1  
 129:10 149:16 180:11  
 200:17 202:11 266:8  
 268:22 300:4  
**SBI** 222:9  
**scan** 262:12  
**scan** 283:4  
**schedule** 16:8,8 44:7  
 219:21 236:20 237:3  
 237:10 267:6 281:9  
 287:8 301:20  
**scheduled** 22:11  
**school** 11:11 12:11  
 63:11 114:21  
**schools** 69:6  
**science** 38:12 40:3 41:7  
 78:11 131:11 140:7  
 154:5,8 181:18,19  
 183:1 190:16,17  
 202:2  
**Sciences** 52:18 103:4  
**scientific** 58:18 64:22  
 146:11 160:20 166:4  
 182:15 185:6 202:4  
 202:20 203:3,7  
**scientifically** 81:14  
**scientist** 180:13 186:10  
 189:10  
**scientists** 179:15  
 180:15 190:17  
**sclerosis** 49:15 63:19  
 110:18 111:1 143:6  
**Scott** 63:12,20 64:20  
**scraped** 188:17  
**screaming** 250:16  
**screen** 227:13 249:14  
 249:22 252:8,12,15  
**screening** 233:5  
**scroll** 130:21 249:13  
**se** 92:7 132:16  
**sea** 208:21  
**seats** 36:1  
**Seattle** 61:16 92:19  
**second** 9:3 20:1 53:20  
 63:1 82:1 102:1,12,12  
 110:4 220:13 238:10  
 263:2 290:7 300:16  
 302:7 303:4 305:9  
**secondarily** 274:9  
**secondary** 143:10  
**seconds** 86:10,14

254:16,21 256:11,14  
 257:16  
**seconds'** 88:11  
**Secretaries** 39:19  
**secretary** 2:3 6:11 13:4  
 13:8 15:21 16:3,12  
 17:11,12,14,16 19:20  
 21:1 23:2,2,3 39:20  
 39:21 56:14,16 60:16  
 60:17 70:5 161:8,13  
 161:21 162:4 179:2,5  
 212:10,15 238:12  
 256:10 265:2 266:22  
 296:1  
**Secretary's** 178:14,17  
**secrets** 241:2  
**section** 19:6 131:5  
 160:6 300:13,13  
**sections** 188:18  
**sector** 241:7  
**security** 22:22 192:5  
 193:11 194:19,21  
**SECVA's** 31:16  
**seeing** 18:22 91:19  
 94:5 96:6 216:8,12  
 221:4 228:6 229:16  
 243:14 264:13 266:11  
 284:18  
**seen** 101:10 119:10  
 178:6,7,8 179:14  
 267:22 268:12  
**sees** 61:20 77:12 84:14  
**segment** 6:9 57:13  
 295:21  
**segments** 28:13  
**select** 20:20 220:6  
 233:10 244:14  
**selected** 21:1 89:4  
**selection** 20:21  
**self** 104:13  
**self-explanatory** 41:1  
**self-reported** 140:6  
**self-reporting** 140:12  
**sell** 253:11,20  
**seminar** 92:22 94:4  
**seminar/webinar** 93:11  
**Senate** 174:5 175:17  
 191:9  
**Senator** 175:2  
**send** 43:14 187:10,15  
 196:2 224:6 228:16  
 229:5 233:6 249:10  
 271:20 272:2 274:8  
 276:11,11 279:9  
 284:13  
**sending** 228:18 229:13  
 247:20  
**sends** 145:8 203:20

228:13  
**sense** 88:15 215:22  
 253:7 260:16  
**sensory** 245:20,22  
**sent** 45:12 52:12 55:7  
 75:18 135:17 175:3  
 227:8 228:10 275:17  
**sentence** 124:5  
**separate** 39:11 223:22  
**separation** 14:18 145:6  
**September** 34:5 175:20  
 235:6  
**sequence** 233:1  
**serious** 82:3  
**served** 22:18 64:17  
 109:2 117:5 119:18  
 121:11 124:10,14  
 133:2,12 143:14  
 145:14 167:22 170:16  
 191:1  
**service** 1:3 3:17 4:13  
 20:10 36:5 50:8 51:6  
 71:9 73:21 74:1 76:21  
 100:7 101:11 106:20  
 108:2,6 110:15 111:9  
 111:16 112:4,5 113:4  
 113:9 114:3 115:11  
 115:12,16,17 116:4  
 117:1,2,13,15,19  
 119:2,7,11,12,20,22  
 120:3,4,17 121:3  
 133:1,7 134:7 137:16  
 138:21 141:4,12,19  
 142:2 145:2,3,6,11,19  
 145:19 147:7 158:2,2  
 158:14,18,18,19  
 162:1,2 165:6 168:3,4  
 176:22 183:4,17  
 187:3,3 189:17 190:5  
 193:15 195:20 196:21  
 205:12 229:15 234:3  
 234:16 240:10 257:9  
 267:19,21 269:10  
 294:12 295:11,15  
**service-** 158:7 165:8  
**service-connect** 158:9  
 167:17,17 168:19  
**service-connectable**  
 164:6  
**service-connected**  
 145:12 164:1  
**serviceman** 205:4  
**services** 6:21 40:3,4,15  
 81:5 87:1,2 278:2  
**Serving** 3:14  
**session** 184:15  
**set** 33:19 49:2 76:5  
 162:17 221:16 234:16

236:4 257:8 263:3  
 278:12 291:4 293:2  
**set-aside** 81:10  
**sets** 73:11 74:21  
**settings** 40:6  
**settled** 210:12,21  
 272:14  
**seven** 230:5  
**Seventy-five** 250:20  
**share** 295:13  
**shared** 72:3 91:17  
 235:10  
**sharing** 278:16  
**sharp** 265:16  
**shaving** 215:13  
**She'll** 299:4  
**sheet** 46:15 59:20  
**Shield** 46:4 71:2  
**Shield/Desert** 61:21  
 62:12 71:3 72:10  
 74:15,19 75:10,14  
 81:17  
**shifted** 24:22  
**shifting** 243:1  
**ship** 170:22 171:8  
 172:9 173:4,5 198:21  
**ship's** 170:20  
**shipped** 199:2,6 208:18  
 221:12  
**shipping** 209:8  
**ships** 169:21 170:2,20  
 172:5,7,7,9 199:7,7,8  
 208:22  
**shop** 285:2  
**short** 13:14 20:15 21:3  
 35:16 151:8 155:7,14  
 155:17 168:1  
**short-term** 262:16  
**shortage** 279:13 280:10  
 280:15  
**shorten** 215:12  
**shot** 166:17 188:9  
**shot-down** 166:18  
**show** 74:20 104:21  
 108:4 138:1 172:22  
 176:18 200:2  
**showed** 192:16 250:5  
 258:18  
**showing** 72:8  
**shows** 30:20 110:1,2  
 113:1,2,12 120:3  
 137:22 177:22 181:6  
**Shulkin** 16:6,12 17:22  
 39:22 40:1 239:22  
 265:1  
**sick** 64:10  
**side** 60:5,6,7 79:6,7  
 80:1 87:14,16,18

91:13,14 229:11  
 268:15,17 270:9,20  
 271:6,12 284:2 296:8  
 296:21 297:12 298:6  
 306:1,2  
**sideline** 29:6  
**sign** 83:15 92:21  
**signature** 263:2 305:9  
**signatures** 290:7  
**significant** 232:6  
**significantly** 30:7 96:7  
 288:16 298:21  
**signs** 104:7,20 110:1  
 113:5,7  
**Simberkoff** 1:22 5:18  
 5:18 11:3,7,10,14,18  
 11:21 12:2,13,18  
 17:20 18:5,8 27:11  
 31:1,9,18,20 32:8  
 33:14,18 71:22 73:5  
 74:10 80:14 82:10  
 85:10 91:15 92:3,14  
 94:12 97:19 126:12  
 127:1,7 128:2,5,11,14  
 129:8,16,19 130:10  
 130:22 131:14 135:14  
 136:3,8,11,17 142:8  
 142:12,16,19 143:7  
 144:15,20 145:3  
 150:11,15 163:2,6,11  
 163:18 164:7,12  
 193:16,20 194:1,4  
 206:10,14 273:2,14  
 274:16 275:18,22  
 277:4 279:1,10  
 280:20 281:16 282:4  
 285:6,11 298:7  
**similar** 201:13 277:11  
 288:19  
**simple** 65:21 96:14,14  
 117:21 255:4 272:1  
**simplify** 118:8  
**simply** 50:19 57:3  
 254:10  
**Simultaneous** 12:4  
 129:7 131:8 163:20  
**single** 25:8 49:3 224:2  
 225:14 228:2 248:9  
 251:15 252:17,21  
 277:14 303:13  
**sir** 4:20 24:19 212:16  
 285:21  
**sit** 13:8 51:5 236:6  
 249:19  
**site** 42:1 180:10 277:7  
 281:7 300:1  
**sites** 41:12 42:1  
**sits** 234:4

**sitting** 7:21 29:9,14  
 215:14 216:3 221:2  
 225:2 226:12 237:18  
 252:22  
**situation** 94:7 115:1  
 116:2 172:12 202:1  
 268:2 287:6 299:14  
 300:5,18  
**situations** 41:4 278:16  
 298:2  
**six** 7:16 9:7,22 11:1  
 38:20 97:9 108:8,9  
 191:7 227:17 235:3  
 239:11 251:17,20  
 255:21 264:8  
**six-month** 239:10,15  
**skepticism** 71:7  
**skill** 236:4  
**skills** 64:16  
**skin** 189:5  
**slacked** 192:2  
**slash** 46:10  
**sleep** 48:2,3 112:18,18  
 112:21 113:2,5,6,6,12  
 113:16,17 119:13,15  
 119:16  
**slide** 39:16 47:11,17  
 53:18 55:14 56:2,11  
 59:17 60:12 65:8 88:9  
 88:19,19 89:3,6  
**slides** 55:8 56:5 84:1  
 88:8,11,12 89:10  
 99:10  
**sliding** 262:12  
**slightly** 187:2  
**slips** 173:3  
**slowed** 14:9  
**slower** 287:11  
**small** 29:14 42:2 101:17  
 155:5 156:10 208:1  
 290:5  
**smart** 259:13 290:20  
**smell** 263:19  
**Smith** 195:22  
**smoke** 47:1  
**smoker** 146:1  
**smoking** 117:18,19  
 261:7  
**smooth** 304:9  
**sneaking** 173:10  
**sniffing** 192:21  
**snow** 272:16  
**social** 280:16  
**society** 41:3  
**soil** 176:19,20 177:19  
 178:5 179:12,19  
 180:17,17 190:13  
 200:22 204:4

**SOJ** 222:17  
**soldiers** 207:20 208:3  
**sole** 94:16  
**solicitation** 20:4,12  
**solidified** 186:7,12  
 188:5 189:2,12  
 208:11  
**soluble** 156:7  
**solution** 273:11 286:19  
**solvent** 188:16,20  
**solvents** 47:6  
**somebody** 69:2 85:14  
 94:19 97:6,7,7 130:11  
 132:20 133:2 135:1  
 145:11 180:20 236:5  
 245:3 256:21 260:8  
 264:5 266:8 275:11  
 276:6 297:10 298:19  
**Something's** 264:3  
**soon** 30:11 35:17  
**soot** 47:1 97:11  
**sorry** 12:9 95:16 119:5  
 152:10 193:16 199:20  
 199:20 200:3  
**sort** 12:11 28:5 38:4,9  
 40:12 55:3 58:7 66:14  
 71:12 81:19 82:14,19  
 136:4 159:7 160:1  
 182:18 271:20 279:20  
 284:9 298:14  
**sorted** 33:1  
**sorts** 43:12 47:22 56:6  
 60:20 283:6  
**sound** 152:3  
**Sounds** 211:17  
**source** 106:1 163:15  
**sources** 270:7  
**south** 153:11,22 170:10  
 282:5,6  
**Southeast** 96:9  
**Southern** 222:18  
**southwest** 75:19 133:4  
**space** 293:19  
**span** 155:8  
**speak** 27:16 254:2  
 278:6 280:2  
**speaker** 35:8,18 108:18  
 267:18  
**speakers** 36:3 308:18  
**speaking** 12:4 24:4  
 129:7 131:8 163:20  
**special** 71:14 106:14  
 115:22 116:2 125:19  
 125:20 168:22  
**specialist** 94:20  
**specialists** 278:5  
**specialized** 132:17  
 277:17

**specialties** 274:18  
 275:1 279:4 280:10  
**specific** 13:9 39:3  
 111:15 134:1 135:10  
 144:8 146:4 196:22  
 208:8 217:8 227:4  
 246:17 280:19  
**specifically** 37:10 39:9  
 42:20 43:21 50:2 54:5  
 101:1 116:5,7 121:2  
 136:7 144:1 191:15  
**specimens** 40:12 43:7  
**spectrum** 72:2 95:9  
**speed** 4:8 26:13 234:19  
 234:21  
**spend** 81:15,16 94:1  
 245:15 257:2 297:1  
**spending** 270:22  
 305:21  
**spent** 14:17 175:15  
 207:13 218:5,7,16  
**spike** 272:13  
**spikes** 260:22  
**spina** 173:20,20 175:6  
 181:11,12 182:1,1,9  
 182:10,11,17 183:10  
 183:11  
**spite** 122:9 221:3  
**splits** 61:10 63:20  
**spoke** 18:1 122:4  
 268:19  
**spontaneous** 297:14  
**sporting** 258:6  
**spot** 200:20 201:7  
**spouses** 54:15 165:1  
**spray** 156:8 165:21  
 166:11,12 186:20  
 208:15  
**sprayed** 155:4 156:8  
 178:11 186:20 202:18  
 208:5  
**spraying** 165:15 193:5  
**springs** 169:12  
**square-mile** 208:16  
**squeeze** 256:16  
**St** 29:11,13 30:6 284:3  
**stabilized** 33:16  
**Stacy** 2:2 5:13  
**staff** 64:12 147:19,20  
 249:19 278:8 297:19  
**staffed** 244:2  
**Staffers** 67:22  
**staffing** 26:20 258:11  
 285:4 296:7  
**stage** 121:3 160:19  
**stages** 237:20 238:2,17  
**stake** 208:4  
**stakeholders** 302:16

**stamp** 168:14  
**stand** 223:4 279:19  
**standard** 56:13 133:3  
 215:10 226:11,17  
 248:11 250:12 251:9  
 251:15,20 252:2,3  
 256:8,10  
**standard/you** 252:2  
**standards** 224:20  
 228:21 251:11  
**standpoint** 236:9  
 270:15  
**stared** 153:10  
**STARRS** 147:19  
**start** 4:10 61:7 63:8  
 80:19 167:19 212:19  
 220:11 223:13 225:17  
 225:18,20,21 229:3,6  
 251:8 288:8 306:21  
**started** 13:11 29:14  
 43:4 45:12,13,17 50:9  
 51:13 61:18 67:2 80:7  
 97:4 153:1 214:14,19  
 232:4 245:19 251:3  
 258:5,10 260:17  
 272:20 296:4 302:13  
**starting** 213:1 216:9  
 222:7 257:7  
**starts** 237:1 288:9  
**state** 13:12 19:13 63:2  
 63:5 276:14 292:22  
**stated** 118:16 140:20  
**statement** 25:22 100:11  
 117:21 196:11  
**statements** 73:15  
 100:14 125:17  
**states** 30:14 157:21  
 167:14 200:13 205:2  
 205:5,12,14 302:1  
**station** 222:16 231:20  
**stationed** 191:4  
**statistical** 260:4,5  
**statistics** 61:7 90:9  
 126:19 134:9,10  
**status** 205:3,13 207:14  
 237:15  
**statute** 38:9 102:3,8  
 104:6,22 110:13,17  
 113:9 116:20 143:21  
 160:6 173:20,21  
 174:6 175:7 182:1  
 183:12,19 209:22  
 210:8  
**statutes** 100:17 171:22  
**statutory** 190:1  
**stay** 17:19 51:7 176:5  
 182:17 204:3 233:10  
 243:8 247:14

**staying** 255:22  
**stays** 261:1  
**steadily** 272:11  
**steady** 221:3,6 256:1  
 272:10  
**step** 12:10 84:20 91:13  
 99:7 122:4 123:5  
 226:22 227:1 233:17  
 239:5  
**Stephen** 60:22  
**steps** 220:21 226:21  
 227:10,10 228:7  
 233:2  
**sterilized** 259:18  
**Steve** 61:15 62:21  
 64:17 92:18  
**stick** 112:15  
**stiff** 61:7  
**stifled** 287:1  
**stimulate** 84:9  
**stood** 285:3  
**stop** 57:9 131:1 217:16  
 242:3 250:10 263:2  
 306:4  
**stopped** 214:13,18  
**stops** 189:12 287:15,17  
**storage** 187:13  
**stored** 203:13 208:19  
 209:8  
**stores** 208:20  
**stories** 44:20 297:14,17  
**Storm** 45:20 46:5 61:22  
 62:12 64:8 71:3 72:10  
 72:17 74:15,20 75:10  
 75:15 81:17  
**story** 8:5,7 10:17  
 240:17 266:14  
**strain** 169:9  
**strand** 91:6  
**strange** 150:18  
**strategic** 65:9,10  
**strategy** 59:5  
**stream** 55:15  
**Street** 1:12  
**strong** 188:16,20  
**strongly** 295:12  
**structured** 39:17  
 302:15  
**stuck** 140:20 283:18  
**student** 21:10,19 22:10  
**students** 280:17  
**studies** 28:15 39:14  
 40:11,11 41:8,10,11  
 41:16,21 42:2 50:17  
 66:11 67:2 74:18,19  
 78:8 79:11,16 81:13  
 83:22 87:4,8 89:1,1,9  
 91:16 139:10,15



140:15 155:20 159:2  
178:6,8 179:14  
188:16  
**study** 34:4 40:12 44:3  
54:5 78:17,18 79:13  
79:15,19 80:4,22  
93:10 119:15 140:6  
157:8,10,13 159:3  
181:6 182:9,10  
183:22  
**stuff** 33:17 56:13 97:1  
100:3 135:11 226:19  
231:8,16 238:4  
253:16,18 287:9  
**stumbled** 36:19  
**stunning** 7:14 121:18  
**sub-two** 254:19  
**subcommittee** 265:17  
266:3  
**subject** 27:18 64:1  
239:12  
**submission** 26:17  
**submissions** 26:21  
**submit** 20:14 233:4  
234:10  
**submitted** 14:7 56:9  
108:3 234:5  
**subsequent** 71:10  
105:1  
**subsequently** 9:18  
193:18  
**substantially** 23:19  
**subsurface** 179:12  
**subtracting** 229:3,6  
**successes** 295:6  
**successful** 32:16  
**sudden** 201:15 214:16  
238:14  
**sufficient** 141:10,11  
158:19  
**sugar** 110:22  
**suggest** 287:13  
**suggested** 159:12  
161:3,7  
**suggestion** 257:5  
**suggests** 40:5 77:10  
**suicide** 295:21 296:5  
296:15 297:16 298:8  
**summary** 26:16  
**summer** 203:21 244:16  
266:18  
**Sunday** 216:14 238:22  
**sunlight** 155:8,9 156:2  
156:5,11 176:6 178:3  
**sunset** 95:22,22 160:6  
**sunshine** 34:17  
**Super** 258:6  
**Superfund** 180:4,10

**supplement** 268:21  
269:2 272:4,8 275:4  
285:20  
**supplemented** 270:22  
282:22  
**suppliers** 219:2  
**supplies** 153:17 170:2  
**supply** 169:21 170:1  
196:18 198:20  
**supplying** 153:22  
**support** 15:18 64:18  
170:1 260:5 264:2,11  
285:18 287:2  
**supports** 190:16,17  
**suppose** 40:22  
**supposed** 19:19 58:3  
83:15 131:7,7 248:16  
**supposedly** 24:10  
174:8  
**surface** 180:18  
**surgeon** 9:16 11:4  
64:21  
**surgeries** 265:3  
**surgery** 19:4 64:18  
241:16  
**surgery.'** 261:4  
**surges** 216:12  
**surprise** 56:12 57:20  
**surprised** 44:18  
**surrounding** 15:13 28:2  
62:19  
**surveillance** 82:21  
**survey** 43:6  
**surveys** 87:5  
**survived** 9:7  
**surviving** 151:19 165:1  
165:1  
**survivor** 9:20 151:18  
**survivors** 164:10,13,14  
**suspect** 53:8 233:20  
**switch** 98:15,16 237:13  
273:21 304:13  
**sympathetic** 80:15  
130:2 177:18  
**symptom** 48:20 73:11  
123:16 128:18 137:15  
**symptom-** 60:8  
**symptom-based**  
132:15  
**symptoms** 47:18 48:6  
50:22 51:9 66:1 71:8  
72:9 73:10 74:14,16  
74:22 75:2,6,16 76:5  
76:9 84:8 96:15 104:6  
104:7,19,21 109:17  
110:1 113:6,8 150:19  
161:6 163:3,16 164:2  
182:7

**syndrome** 48:17 49:14  
49:15 105:9,10  
114:18 116:14  
**synergy** 270:15  
**Syracuse** 12:3  
**system** 40:20 66:13,14  
66:18 73:19 84:3  
91:12 107:17 110:22  
111:1 233:15 239:7,7  
262:17 263:11 276:6  
276:9 283:11 286:18  
289:13 291:2,16  
299:19 300:15  
**systems** 88:22 231:15  
237:16 260:11 283:6  
283:15 287:2,4 291:7  
299:12

---

## T

---

**T** 247:18  
**T&T** 247:18 248:4 249:1  
249:5  
**table** 4:9 7:21 17:4  
18:19 29:14 85:20  
191:20 217:7 236:4  
236:12 265:21 266:10  
**tabs** 252:12  
**tabulated** 90:14,19  
**tabulates** 90:12,17  
**tactical** 167:10  
**tags** 309:4  
**tail** 299:20  
**taken** 72:13,18 76:11  
220:21 264:9  
**takes** 78:15 79:8 228:8  
277:22 291:18 296:9  
297:5  
**talk** 8:9 13:10 53:20  
73:18 84:19 85:16,17  
108:14 117:9 148:7  
154:19 155:3 156:12  
157:4,20 185:9 220:1  
220:4 259:1 269:5,7  
295:11 296:18 298:4  
299:4 300:8  
**talked** 14:6 15:3 29:20  
98:6 101:11 122:6  
124:21 125:19,22  
258:21 269:2 271:14  
299:2  
**talking** 13:11 14:18  
15:10 29:15 40:8,13  
76:19 98:2 120:6  
127:22 133:15 138:6  
143:21 144:19 145:5  
145:17 174:4 177:19  
181:15 182:14 188:4  
218:19 221:7 233:19  
233:20 238:8 242:2,3  
246:12,12 248:19  
260:4 270:7 276:20  
282:21 297:1,11  
306:4  
**talks** 158:4 192:15  
247:19 301:10  
**Tampa** 61:10  
**Tanner** 63:14,15  
**TAP** 14:19 21:22 22:4  
**tapered** 81:7  
**tapping** 298:1  
**target** 33:22 39:10  
**targeted** 68:2 72:19  
**targets** 33:19 83:6  
**task** 160:12 248:3,6  
254:20 265:13  
**Tau** 170:9  
**TCDD** 155:6,7,11 176:5  
181:7 188:5,19 189:2  
189:12  
**TCDD/dioxin** 154:17  
**TDY** 167:22 168:6  
**team** 25:9 231:14 240:6  
305:6  
**teams** 25:4 41:22  
**tech** 61:4  
**technically** 45:19 46:2  
**techniques** 283:7  
**technology** 50:12 77:13  
186:22 282:11 291:5  
**telecon** 29:1  
**teleconference** 201:17  
266:20  
**teleconferences** 92:16  
93:5 175:16  
**telephone** 2:9  
**tell** 7:18,18 10:17 37:13  
62:22 64:3 79:2 89:18  
89:19 93:22 122:17  
123:10 124:18 125:11  
138:19 144:4 180:12  
181:21 220:7 234:5  
250:18 253:17 256:2  
257:17 261:22 265:3  
266:11 293:13 296:19  
298:11  
**telling** 57:17 93:20  
150:5 192:4 217:10  
224:16 234:21 236:14  
263:12 282:13  
**tells** 220:17,18 224:8  
229:16 252:1,5,8,9,10  
271:18 285:13  
**temporarily** 279:22  
**ten** 34:22 53:2 103:6  
109:15 228:7 234:7  
234:11,14 242:14

251:21 265:9 269:13  
**tenant** 279:20  
**tend** 41:21 278:11,13  
**tending** 8:15  
**tends** 281:3  
**tent** 66:21  
**term** 49:1,5 102:4 103:9  
 123:6 137:6,10  
 140:11 154:10 157:4  
 179:21 209:21 260:3  
**terminated** 208:17  
 209:9  
**terminations** 243:15  
**Terminator** 130:18  
**terminology** 139:12  
 303:7  
**terms** 25:13 95:5 101:9  
 118:9 157:3 179:6,7  
 230:13 280:13 281:3  
 302:7 309:3  
**terrible** 96:18  
**terrific** 86:5,7  
**test** 48:12 110:2 175:12  
 203:17,19 208:2  
 263:19  
**tested** 175:14 203:13  
 208:15  
**testified** 222:22  
**testimonies** 184:17  
**testing** 175:4 187:13  
 207:6  
**tests** 43:9 48:6,16  
 50:12  
**Texas** 34:10,11,14,15  
 124:20 125:12 222:18  
**text** 89:11  
**Thai** 192:19 194:18  
 196:15  
**Thailand** 168:7,16  
 190:22,22 191:1,2,4  
 191:15,22 193:4  
 194:14  
**thank** 4:19 13:2 18:13  
 18:20 22:15 36:14,16  
 36:17 58:20 84:22  
 85:3 86:7 97:22,22  
 98:14 120:21 125:13  
 148:13 150:22 151:2  
 152:13 211:15,16,21  
 212:2,15 266:16  
 267:1,2,9,10,15,16  
 268:11 286:10 294:21  
 306:16,18 308:4,5,6,8  
 308:9 309:7,7,10,11  
 309:12,12  
**thanks** 5:22 10:18 13:1  
 18:14 98:19 207:17  
 212:9,17 267:4

268:18  
**the'60s** 186:18  
**theater** 51:1,1 64:10  
 117:3 121:11 124:15  
 133:7  
**theirs** 93:11  
**therapy** 64:5  
**things** 6:8,13 17:21  
 22:2,6,9 26:9 41:2,5  
 43:12 46:9 47:1,12,22  
 48:8,10 56:6,17 57:10  
 65:13 66:4,17 70:8,10  
 71:18 72:15,16 76:7  
 78:13 87:16,18 89:1  
 93:16,19 96:12,19  
 107:18 114:4 128:7  
 128:12,22 129:11,11  
 130:2 132:15,17  
 140:19 145:8 157:22  
 168:12 180:4,10  
 185:12 194:6,6,7,9,21  
 199:16 200:7 213:12  
 231:7 236:13 242:7  
 250:10 253:3 259:3  
 259:10 268:18 277:10  
 281:4 282:7 283:14  
 283:19 284:8 288:19  
 289:7,9 290:7,17  
 292:3 293:7 295:2,8  
 299:2 304:5  
**thinks** 149:21  
**third** 34:16 42:22 55:2  
 111:9 158:21 220:14  
 233:21 237:16  
**Thomas** 1:20 2:3 3:15  
 6:11 212:11  
**thoroughly** 120:14  
**thought** 24:3 59:18  
 68:3 71:8 82:17  
 114:22 121:7 128:14  
 136:13 139:6 148:3  
 166:14 200:18 206:7  
 220:10,10 277:10  
 280:20  
**thousand** 78:19 242:14  
 307:12  
**thousands** 41:13  
 119:11  
**threatened** 164:19  
**threats** 77:2  
**three** 15:4 21:2 42:1,8  
 45:5 54:21 56:19 57:1  
 57:4,4,5 58:14 78:10  
 78:19 80:8 83:4 105:4  
 116:10,12 121:19  
 128:7,15 129:11  
 142:22 143:4 170:17  
 224:22 227:1 230:12

244:20 255:16 256:6  
 260:11 282:17 288:7  
 289:3  
**three-binder** 281:8  
**three-day** 258:2  
**threw** 255:8  
**thriving** 278:22  
**throughput** 306:2  
**throw** 295:9  
**tied** 215:2 276:1 300:3  
**Tigris** 103:22  
**Tim** 5:9  
**timeline** 286:9  
**timeliness** 220:8 226:7  
**times** 9:7 36:18 107:21  
 132:12 152:19 175:8  
 198:14 255:21 264:9  
 275:10 277:15  
**Timing** 226:7  
**TIMOTHY** 1:19  
**tinnitus** 234:6,11,13  
**tissue** 40:11 156:16  
**Title** 205:21  
**to-date** 27:9  
**today** 16:6,18 19:21  
 22:12 27:5 29:1 94:10  
 98:2 122:18 132:5  
 212:10,16 225:2  
 241:10 245:20 288:5  
**TODD** 210:2  
**told** 10:7 25:12 50:10  
 79:15 133:1,9 138:4,4  
 186:11 217:6 238:12  
 240:22 241:2 244:15  
 252:20 265:1 266:4  
**Tom** 5:20 13:4 25:3  
 153:3 164:15 174:4  
 191:7 222:21 236:1  
 236:17 238:18 253:21  
 258:15 267:2 268:19  
 269:2 271:14 282:20  
 288:18 290:10 299:10  
 299:11 304:14  
**Tom's** 235:17 246:5  
**tomorrow** 135:6 269:7  
 283:15 285:22 286:5  
 286:15 299:4 308:16  
 308:17,22  
**tool** 79:18 219:22 220:5  
 220:16 242:11 251:12  
 260:5 262:15 264:2,6  
 264:11 271:14,15,15  
 271:17 274:1 276:21  
 284:4,4  
**tools** 282:20  
**top** 8:22 16:11 34:9,12  
 34:14,15,21 149:16  
 244:18 252:11 253:3

307:15  
**topic** 85:16,16 238:7  
 298:3  
**topics** 92:22 212:14  
 286:14 308:18  
**torch** 36:13  
**tossed** 9:4  
**total** 7:10 9:6 25:15  
 122:22 244:13 252:15  
 271:3  
**totally** 89:21  
**touch** 42:14 83:18  
 220:12 246:8 252:13  
**touched** 228:3 235:7  
**touching** 242:17 246:13  
**town** 29:11,12 184:12  
**toxic** 139:10 184:10  
**toxicologist** 46:10  
 63:10  
**toxicology** 166:3  
**track** 134:13 217:16  
 218:2 247:9 267:4  
 299:6  
**tracking** 250:21  
**tradeoff** 94:6 293:7  
**traditionally** 230:10  
**Trail** 153:16  
**train** 284:6  
**trained** 234:3,16 255:6  
 285:7  
**training** 135:9 138:10  
 147:11 149:22 150:4  
 190:4 203:22 252:9  
 268:17 284:10,22  
 285:9,17,18 289:11  
 289:12 295:14 296:17  
 297:12 300:9 305:9  
**trainings** 112:11 125:17  
**Trang** 170:8  
**transaction** 249:5,6,7,9  
 249:11  
**transactions** 227:9  
**transferred** 223:15  
**transformers** 156:20  
**transition** 14:19 23:10  
 37:6 304:9  
**Transitional** 21:22  
**transitioned** 51:14  
**transitioning** 50:22  
**translate** 58:3 140:17  
**translated** 67:7 78:3  
 130:4  
**translation** 67:10  
**transmitting** 54:14  
**trapped** 153:4  
**treat** 49:13 65:21 241:9  
 278:21  
**treated** 50:15 83:14

113:20 122:7 241:7  
**treating** 49:10 65:22  
 67:9 84:13  
**treatises** 144:6  
**treatment** 40:18 41:14  
 49:17 65:18 71:1  
 76:22 278:12  
**treatments** 65:15 66:1  
 66:8 67:5 88:19 91:10  
**treats** 62:6  
**trees** 203:19  
**trenches** 290:4  
**trend** 32:4 284:17  
**tried** 77:1 83:17 152:6  
**triggers** 31:7 261:20  
**trimmed** 93:22 245:21  
**troops** 45:13 73:12  
 97:13 166:13,16,16  
 170:1,15 173:14,15  
 207:4,5  
**trouble** 50:5 162:21  
 198:14 204:9  
**troublesome** 68:15  
**true** 120:2 121:5 137:11  
 179:8,16 192:20  
 205:9,11 253:13  
 291:15  
**truly** 147:4  
**Truman** 10:6  
**trust** 68:1  
**try** 35:13 66:6,20 68:15  
 91:13 107:6 121:15  
 125:15 168:11 173:8  
 185:4 208:9 209:16  
 272:1 274:8 295:4  
**trying** 18:2 65:21 71:18  
 92:16 95:2 108:18  
 118:11 122:20 141:3  
 175:18 235:20 290:18  
 303:3 304:8  
**turn** 122:5 150:10 231:9  
 236:1 243:2 247:4  
 257:3 259:22  
**turnaround** 248:2,20,21  
 249:1,2,4  
**turned** 61:4 180:3  
 200:11 245:22 273:20  
**turning** 227:5 264:5  
 299:16  
**turns** 117:4 235:1  
**tweaked** 264:12  
**twelfths** 232:8  
**twice** 32:20 266:2  
 295:15  
**two** 6:8 9:1 15:5 19:11  
 23:3 28:13 42:1 52:2  
 53:1 66:21 69:16  
 78:10,19 80:8 83:4

89:10 104:9,17  
 106:21 113:5 115:9  
 122:10 128:9,12  
 141:5 159:2 178:6  
 179:17,20 218:18  
 219:2,2 226:18 227:1  
 229:2 231:22 235:15  
 238:9,14 239:2,8  
 243:11 244:1 249:19  
 251:2 254:9,12,18  
 255:13,14 257:19  
 262:7 266:19 270:7  
 282:16 286:17 288:7  
 289:3 291:6 302:10  
 302:13 306:7  
**two-** 160:18 208:15  
 232:7  
**two-part** 301:10  
**two-square-mile**  
 186:21  
**two-step** 25:21  
**two-week** 217:11  
**type** 260:18 277:14  
 300:4  
**types** 240:12 259:9  
**typically** 38:6,11,19  
 65:22 77:6

---

**U**


---

**U.S** 72:5 73:11 157:9  
 166:16 173:15 181:5  
 185:21 191:6 196:10  
 196:13 199:2,7  
 206:18,19 210:7  
**U.S.C** 102:3,22  
**Ubon** 196:1  
**Udorn** 196:1  
**ultimately** 44:1 80:2  
 204:1  
**unable** 6:7 16:5 22:10  
**unassigned** 142:9  
**unassuming** 9:8  
**unbelievable** 201:21  
**uncertain** 25:13 95:5  
**underground** 180:21  
**underpaying** 240:22  
 241:3  
**undersecretary** 69:19  
 151:10  
**understand** 24:5 66:6  
 77:15 94:22 122:2  
 176:16 185:15 235:21  
 260:20 294:18  
**understandably** 16:5  
**understanding** 140:9  
 278:10  
**understands** 177:4  
 236:5

**understatement** 123:4  
**understood** 110:6,14  
 111:14 128:19 141:22  
 142:1 143:4,5  
**undiagnosable** 150:2  
**undiagnosed** 48:19  
 49:8 104:9,18,19,22  
 107:15 108:2 109:5  
 109:21,22 111:10  
 114:12 116:7 117:11  
 118:20 128:16 132:2  
 132:3,4 133:5 135:12  
 137:7,13 149:21  
**unexplained** 48:19  
 104:10 105:6,13  
 107:14,14 109:6  
 110:5,8,11 111:5,12  
 116:8 118:20 123:15  
 128:17 129:3 137:14  
 141:7,18 142:7,22  
**unfold** 19:9  
**unfortunately** 32:8  
 60:11 122:22 152:19  
 280:14,18 298:3  
**uniform** 147:8,9  
**union** 217:6,10,18  
**unique** 96:10  
**unit** 176:21 196:18  
 278:20  
**United** 30:14 157:21  
 167:14 200:13 205:2  
 205:5,12,14  
**units** 174:15,16,18,21  
 186:2  
**university** 61:2 62:3,5,7  
 63:12 69:6,8  
**unknown** 143:19  
**unnecessarily** 68:20  
**Unsettled** 213:2  
**up-** 27:8  
**up-to-date** 16:16 27:10  
**update** 3:17 6:9 59:4  
 220:20 299:5  
**updated** 224:13  
**updating** 285:15  
**upset** 57:22  
**uranium** 47:12 76:3  
 82:13,18 83:1,6,13  
**urban** 33:13  
**USB** 6:10 17:8  
**use** 49:5 67:9 79:17  
 103:3 112:17 140:11  
 149:16 154:21 160:3  
 167:3 175:11 187:13  
 187:17 196:15 197:2  
 200:14 201:8 209:9  
 209:21 210:6 217:14  
 218:1 228:22 229:9

234:13 247:16 259:3  
 262:15,18 264:1  
 271:10 272:3 274:1  
**useable** 241:11  
**useful** 57:9 65:5,6 70:8  
 79:5  
**uses** 175:7  
**USS** 170:21 173:6  
**usually** 21:2 42:1  
 276:15 296:8  
**Utapao** 196:1  
**utilizing** 283:6

---

**V**


---

**V** 22:13 28:13 55:8  
**VA's** 81:9 132:9 172:2  
 182:13 186:9 280:7  
**vaccinations** 47:6  
 96:20  
**VACO** 246:2  
**valid** 81:14 172:1,4  
**validated** 78:14  
**valor** 7:5  
**valuable** 235:14  
**value** 177:17 233:17  
**vapor** 186:12  
**variety** 46:14 100:12  
**various** 43:18 48:19  
 56:6 83:5 119:7  
 155:19 188:18 194:11  
 196:5 207:15 210:14  
 272:19 280:7  
**VASRD** 14:8 15:12  
 238:11,14 239:20  
 240:1 299:5 300:13  
 308:20  
**vast** 180:14  
**VBA** 1:2 2:4,6,8 14:16  
 36:5 57:21 58:6 99:18  
 103:12 126:6 141:16  
 196:21 238:8 240:12  
 242:8 246:16 269:10  
 279:5,6,14,16 282:9  
 283:13 296:8,20  
 297:12 298:6,19  
 303:12  
**VBMS** 24:9 223:1,5,9  
 223:12,19 237:11  
 238:5 286:21 289:9  
 302:16,22  
**vegetation** 154:2  
**vendor** 271:22 274:10  
 276:12 282:1  
**vendors** 285:19 286:20  
**verified** 78:13  
**version** 63:21  
**versus** 158:11 172:3  
 208:11 238:3 293:8

- VES** 219:8,8  
**vessels** 169:5,15,17  
**veteran** 2:6 31:17 32:19  
 34:6,9,12,18,21 43:4  
 43:8 49:10,10 61:14  
 63:3 64:6,16,17 74:2  
 74:4 76:20 79:19 84:7  
 85:6 88:1 93:4 94:2  
 107:19 108:21 109:20  
 111:21 112:1 113:11  
 113:15 114:17,19  
 117:4 120:12 121:7,7  
 136:16 141:12 143:13  
 143:14 145:22 152:18  
 163:22 167:19,21  
 168:20 171:6,7,15  
 174:7,9,17 176:17  
 182:20 183:4,21  
 202:18,21 209:1  
 210:21 220:17 222:10  
 222:17 228:8,12  
 233:2,19 234:3,17  
 246:12,13 255:20  
 256:17 267:3 272:16  
 275:2,18 276:4 277:3  
 277:7 278:1 292:11  
 293:8 297:3 298:8,16  
**veteran's** 143:8  
 144:13 257:9  
**veteran-owned** 61:14  
 61:15 63:4  
**veterans'** 3:4,8 37:3  
 42:17 48:21 49:5 65:1  
 153:5 240:18,19  
**VetPop** 34:4  
**vets** 127:2  
**vetted** 196:12  
**VFW** 2:7,7 4:12 5:3,6  
 6:17,19 13:1  
**VHA** 2:5 3:4 27:11  
 36:22 37:10 40:21  
 49:9,16,22 57:18,21  
 76:22 86:18 87:2 91:9  
 91:13 92:6 94:8,10  
 99:22 105:16 112:22  
 114:9 126:7 133:19  
 140:21 156:20 177:12  
 184:5,6 186:9,10,11  
 188:22 189:8 204:2  
 215:8 220:7 240:5  
 265:6,12 270:9,17  
 271:3,9,15,19,21  
 272:2 274:2,4,8,8  
 275:4,10 276:11  
 277:5,13 278:7,10,16  
 279:5,14,21 280:3  
 284:8,15,21 285:12  
 285:16 293:3 296:9,9  
 296:18,21 297:19  
 298:12,19  
**VHA's** 49:13 188:2  
 274:15,20  
**Victor** 2:5 3:4 36:3  
**video** 10:16 151:21,22  
 152:3,4  
**Viet** 153:22  
**Vietnam** 8:1 54:7,11  
 70:14 136:21 153:2,3  
 153:5,8,11,11,12,19  
 158:2,3,4,18 163:22  
 165:13 166:10,19  
 167:2,19,21,22 168:3  
 168:4,6,16,20,20  
 169:4,8,11,19 170:6  
 170:16 172:10,15,19  
 183:12,13,20,21  
 184:4,8,13,15 185:20  
 186:22 187:5 188:11  
 191:4,6,14 193:4  
 198:5 209:9  
**Vietnamese** 153:17  
 191:19  
**view** 36:10,11 49:9  
 78:16 152:17 188:2  
 270:14  
**village** 202:11,12,13,15  
 202:19  
**villages** 194:19  
**viral** 193:19,21  
**Virginia** 276:4,9  
**virtual** 294:1  
**virtue** 110:21 179:22  
 186:6 190:11 206:8  
**visibility** 275:5  
**vision** 37:12  
**visit** 30:11 73:14 263:13  
 281:7 298:18  
**visitation** 158:4  
**visitors** 309:10  
**VOICES** 106:2  
**volume** 54:1,4,22 55:2  
 155:1 255:19 258:3  
 258:12  
**voluntary** 218:8  
**volunteer** 79:10  
**vouchers** 33:21  
**VSO** 4:10,15,21 13:17  
 235:12 236:12 246:10  
**VSOs** 132:8 175:8  
 282:15 309:12  
**VSR** 220:5 224:17,18  
 225:9  
**Vung** 170:9  
**VVEDENSKAYA** 2:2  
 5:14 11:17 12:6,9,17  
 12:20 15:19 17:13  
 19:10 27:4,14 29:22  
 32:18 33:6 35:3,5,12  
 35:22 238:1 267:17  
 268:8 273:3 280:1  
 281:18,22 285:20  
 294:4,7 301:9,17  
 303:11 304:8 309:2,9  
**Vvendenskaya** 5:14  
 58:10,13,20 85:19  
 86:2,6 88:9 95:20  
 98:14,18 99:2 117:20  
 118:8,17,22 130:7,13  
 130:20 131:4 134:5  
 135:2,5,22 149:3,11  
 151:2,12
- 
- W**
- 
- W** 10:2  
**W-R-I-I-S-C** 93:9  
**wait** 221:22 256:7  
**waiting** 214:5 218:13  
 252:22 254:12  
**waiver** 190:11  
**walk** 193:11  
**walked** 194:22 255:18  
 266:12  
**Walker** 11:18,19  
**walking** 192:18  
**walk** 25:4 206:10,12  
**Wallin** 63:18  
**Walter** 88:2,3  
**wanted** 6:8 28:10,11  
 47:14 51:7 53:19  
 57:15 89:9 98:11  
 100:8 152:2 173:8  
 175:19 193:3 203:17  
 268:18,19 282:8  
 286:16 290:12 294:10  
 294:16 295:13  
**wanting** 298:4  
**wants** 55:10 281:4  
**war-related** 93:9  
**warrant** 71:14  
**Warren** 6:3 19:2,3  
**wars** 96:8,8 123:7  
**Washington** 1:13 6:18  
**wasn't** 24:12 122:16  
 135:20,22 166:11,14  
 169:12 171:13 189:6  
 194:3 226:19 272:18  
**waste** 253:19  
**watch** 45:14 300:7  
**watched** 23:12  
**watching** 216:5  
**water** 35:16 156:3,4  
 168:21 169:2,3,5,11  
 169:15 170:7,13  
 172:14  
**water-** 156:6  
**watering** 7:3  
**waters** 169:11 170:4,5  
**waterway** 172:3  
**waterways** 169:8,22  
 170:11 172:4,6  
**way** 12:10 32:10 33:9  
 43:19 53:5 77:10  
 80:12 81:1,3 83:20  
 109:14 113:10 122:5  
 139:8 145:8,22  
 154:19 162:11,12  
 170:21 186:11,14  
 188:6 202:22 208:2  
 214:2 216:22 218:9  
 224:3 228:4 231:18  
 239:9 244:16 258:3  
 291:9 294:17 298:15  
 298:15 303:4,8  
 304:10,11  
**ways** 14:8 65:2 158:9  
 173:14 288:16 303:19  
**weapons** 47:7  
**web** 56:2 57:12 58:8  
**webinars** 92:14,15 93:8  
 93:14 94:22  
**website** 52:14 55:10,17  
 56:1,10 132:9 179:10  
**websites** 42:6  
**weeded** 293:16  
**week** 16:19 19:14 55:6  
 80:8 139:20 162:1  
 216:6,7,10 224:13  
 225:5 229:16 247:8  
 251:12 265:17 267:3  
 306:20  
**weekend** 216:13,18  
 254:17 258:2  
**weekend's** 123:4  
**weeks** 249:19 250:22  
**weigh** 78:20  
**weight** 78:18  
**welcome** 4:3,18 18:19  
 35:15 267:5  
**wells** 46:21  
**Welsh** 198:10  
**went** 8:20 10:20 11:10  
 13:19 17:16 35:20  
 54:19 64:7 97:6,9  
 151:14 167:22 168:6  
 169:21 170:3 171:11  
 172:6,9 189:10,15  
 196:17 199:9,10,10  
 199:12,18 204:2,9  
 206:5 209:4 212:6  
 232:7 238:13 249:9  
 254:11 256:9,12  
 258:9 274:6 280:3

281:6 291:11 307:18  
309:16  
**weren't** 34:7 50:11  
101:17 137:1 140:4  
206:4 228:10  
**Wes** 185:17 186:4  
**West** 106:8  
**western** 153:18  
**whatsoever** 198:19  
**whichever** 44:3 213:21  
**whispered** 10:8  
**White** 23:6 31:10  
154:12  
**who've** 297:22  
**wide** 295:3  
**widgets** 251:22  
**Williams** 10:3,16  
151:20  
**willing** 280:22  
**winner** 151:20  
**winners** 7:1 8:7 9:12  
**wise** 162:22 246:1  
**wish** 149:1 292:4  
**WIT** 224:7 242:10  
**witness** 223:3 266:9  
**woman** 9:16 12:11,13  
**women** 9:11 11:8 28:3  
61:15 298:22  
**wonder** 85:4,4  
**wondered** 13:15  
**wonderful** 12:22  
**Woody** 10:2,16 151:20  
**word** 113:17,18 116:19  
137:21 297:1  
**words** 47:21 59:20  
109:16 124:3 132:21  
230:2 253:15  
**work** 14:14 22:14 23:13  
24:10 39:6 58:22  
67:15 68:16,18 69:15  
69:16 70:17,18 79:21  
86:17,21 87:9,12  
89:17 92:8 131:17  
139:7 152:7 161:15  
165:5 186:22 197:4  
211:17 214:11,16  
216:5 219:19,20  
220:12,21 221:9  
222:20 223:2 224:6  
224:14,17,21,22  
225:16,19,20 226:2,9  
227:4 229:13 230:22  
236:19 246:21 248:7  
250:7,19 251:16  
252:3,4,21 269:22  
275:14,15,16 276:16  
277:1 288:17,17,20  
293:22 294:17 296:13

304:11,21 305:11  
307:7 308:6,20  
**workaround** 290:22  
**workarounds** 291:1  
**worked** 31:12 166:1  
174:4 178:5 186:18  
188:1 189:20 209:2  
225:3,6  
**worker** 288:2  
**workers** 188:15 280:16  
290:1  
**working** 15:17 22:6  
39:3 40:18 63:7 66:16  
69:13 71:10,18,18  
97:15 114:21 187:21  
214:18 218:10 222:7  
224:20 225:21,22  
245:15 250:7 251:7  
259:10 302:18 305:12  
**workload** 150:16 213:1  
220:22  
**works** 24:11 45:2 61:5  
63:2 65:18 68:12  
79:20,21 80:13 162:1  
260:13 289:15  
**world** 7:17 8:14 9:22  
44:15 71:12 77:13  
107:16 213:18 216:21  
221:11 223:10 241:10  
242:13 246:9,10  
256:3 287:14 288:2,4  
288:10 291:13  
**worried** 22:3  
**worry** 118:12  
**worth** 11:1 88:11  
112:12 157:3 160:11  
162:9 224:22 256:16  
257:10,16  
**worthwhile** 301:1  
**wouldn't** 127:18 282:16  
**wounded** 9:6  
**wounds** 9:7  
**ow** 12:6,19,20 265:4  
**wrap** 86:9 88:7 203:9  
**wrapped** 121:18  
**wrestling** 14:11  
**Wright-Patterson** 188:7  
**WRIISC** 93:9  
**wrinkle** 209:17  
**writers** 240:11  
**writes** 198:11  
**writing** 240:6 301:11  
**written** 102:4 157:19  
185:4 201:19 202:3  
237:19  
**wrong** 150:12 264:3  
**wrote** 162:2 203:5  
210:22 265:11

**X**

X 84:4

**Y**

**yards** 173:13,14  
**year** 4:6 25:2,11,20  
30:6 52:16 53:4 54:1  
56:20 57:1,2,4,5  
58:15 68:9,9,13 81:11  
81:21 82:2,8,9,11  
83:5 88:1 121:19  
135:17 136:4 138:17  
152:1 160:5 214:20  
216:16 217:21 218:7  
218:20 221:5 229:2  
235:4 243:3 245:16  
250:19 256:15 269:15  
269:17 295:15 296:4  
299:8  
**years** 7:8 10:3 15:14  
25:5 26:8 30:8 48:13  
53:1 56:9 59:4,13  
62:11 64:11 65:19  
80:6,8,9,9,10 82:16  
87:7 88:6 114:7  
119:12 120:10 121:14  
121:19 159:3 160:11  
161:12 166:5 170:20  
176:9 178:10 179:13  
185:16 186:3,21  
188:12,13 190:7,8  
191:7 192:11 194:13  
203:22 206:5 215:9  
223:11,14 230:5  
235:15 259:17 260:7  
265:9 269:14 278:18  
282:9,10,17 288:7,7,8  
289:3,6 290:17 291:7  
294:11 295:1 307:13  
**yellow** 248:10,11  
249:16 251:1  
**yes/no** 234:14  
**yesterday** 26:16 248:17  
250:5 251:16  
**York** 30:18 31:2,6,10  
34:20  
**Young** 63:20 64:20  
165:18,19 166:6  
180:14 186:17 187:20  
189:1 198:19 203:11  
**younger** 216:11

**Z**

zero 254:13

**0****1**

**1,000** 221:2 244:5  
245:17  
**1,495** 214:10,15  
**1.1** 21:11  
**10** 54:1,22 74:20 75:13  
121:20 205:21 224:18  
232:7 245:2,3 250:11  
251:22 252:4 289:6  
290:16  
**100** 244:2,10 248:1  
260:22 286:5  
**100,000** 25:3 215:14,16  
217:1 243:2 257:3  
**101,000** 214:8,21  
216:18  
**102,000** 214:21  
**105** 244:10  
**11** 13:15 54:4 55:2  
224:18 289:6 290:17  
**11:15** 308:22  
**11:49** 151:14  
**1116** 102:17 137:22  
157:22 158:6,22  
160:5 209:19  
**1117** 102:3,17 103:1,12  
104:5 138:1  
**1118** 102:3  
**112** 299:18  
**115** 3:8  
**116** 38:15  
**119** 216:3  
**12** 60:15 219:1 232:7  
235:1 244:21 269:14  
**12,000** 242:20  
**12:59** 151:15  
**120-day** 239:9  
**125** 222:3  
**13** 121:20 155:2  
**130** 59:5 226:1  
**135** 222:3  
**14** 244:21  
**15** 74:20 75:13 81:11,15  
81:18 250:11 269:16  
**15,000** 78:20 87:5,5  
242:13  
**150** 222:3 226:1  
**150-some** 38:14  
**152** 3:11  
**155** 7:8  
**1565** 29:12  
**16** 60:15  
**17** 20:4 215:5  
**175,000** 255:19  
**18** 14:22 102:17  
**180** 226:1  
**1800** 1:12  
**1812** 206:15

**1832** 12:8,9  
**1861** 7:8,9  
**18th** 6:17  
**19** 88:9  
**1932** 12:7  
**1949** 10:5  
**1959** 203:18 204:4  
**1967** 175:5,7,20 196:1  
**1968** 8:2 172:22 174:18  
**1970** 8:3  
**1971** 174:19  
**1973** 191:11  
**1977** 12:19 208:20,21  
**1980s** 176:4  
**1985** 162:12  
**1988** 51:18  
**1990** 45:12 59:2  
**1991** 209:20  
**1998** 269:12

---

**2**

---

**2,4-D** 154:16,19 175:12  
 210:2,2,5,15 211:1  
**2,4,5-T** 154:15,16,16  
**2.99** 226:14  
**2:1** 242:19  
**2:21** 212:6  
**2:34** 212:7  
**20** 23:19 78:17 81:20  
 82:15 126:20 127:1,2  
 127:2,4 146:14,16  
 190:7 206:5 208:2  
 228:14 234:8 245:3,4  
 259:17 260:7 269:17  
 271:1,6,7 281:14  
 283:19 307:13  
**20-some-thousand**  
 296:22  
**200** 59:4 173:13 196:16  
**200,000** 256:1  
**2002** 51:21 56:4  
**2004** 58:9 59:2,3  
**2008** 59:3  
**2010** 15:7 174:12  
**2012** 15:7  
**2014** 15:7 34:8 52:11  
 59:5 95:14,17  
**2015** 15:5 31:19 52:12  
 52:21 160:6  
**2016** 14:7 15:8 19:13  
 53:2  
**2017** 1:10 3:17 4:5  
 14:22 26:16  
**2018** 16:22  
**2020** 34:11  
**2030** 34:14  
**2040** 34:15  
**20P** 19:17

**212** 3:15  
**214** 168:3  
**21st** 10:5  
**22** 260:9  
**23** 282:9  
**24** 155:22 219:8,16  
**2400** 38:18 39:13  
**25** 21:17 25:19 26:3  
 48:13 75:8,10,12 80:6  
 244:18 250:14 252:5  
**25-\$35** 218:6  
**25-26** 62:11 65:19  
**267** 3:18  
**28th** 55:6

---

**3**

---

**3** 226:17 291:11  
**3,000** 242:20  
**3,200** 216:17  
**3.03** 115:18 118:3,5  
 124:6 146:15  
**3.17** 118:3,3,12  
**3.303** 106:13,17 107:6  
 119:4 127:17 158:11  
**3.307** 158:5  
**3.309** 158:5  
**3.317** 102:18,20 103:12  
 103:16 106:12,14,22  
 108:7 110:15 113:4  
 115:22 116:4,6 117:6  
 117:10 121:9 126:5  
 127:6,13,18,20 130:6  
 133:8 146:18  
**30** 75:2 80:10 86:10,14  
 88:10 126:20 190:7  
 215:9 223:14 226:15  
 228:6 233:8 234:8  
 254:21 256:11,13,15  
 257:12,16 261:1  
 307:20  
**30-** 171:15  
**30-year** 157:10,12  
**30,000** 23:19 25:19 26:3  
**300** 26:20 172:7 173:13  
 245:19 255:2,5  
 256:14 257:2  
**3000** 39:12  
**303** 146:17  
**309** 3:20  
**313** 146:17  
**317** 146:15,17 284:3  
**31st** 20:12  
**32** 88:1  
**330-some-thousand**  
 296:21  
**3498** 7:10,12  
**36** 3:4  
**38** 102:3,17,22 157:21

**390,000** 225:2

---

**4**

---

**4** 3:2 122:12  
**4:09** 309:16  
**40** 7:1,14 41:11 75:2,13  
 243:12 245:8 271:13  
**400** 245:11  
**430** 58:9  
**430-some** 59:3  
**450** 221:22  
**46** 59:13  
**47** 291:11

---

**5**

---

**5** 244:17 256:11 290:16  
**5-day** 226:17  
**5,000** 242:16  
**5.8** 67:6  
**5:00** 288:6  
**50** 126:21 154:15,16  
 221:14 234:8 245:7  
 258:2  
**50,000** 257:4  
**500** 245:12 248:17  
 250:18 280:5  
**500,000** 44:14  
**526** 233:5  
**540,000** 44:5  
**56** 269:19 292:5  
**56-second** 256:18  
**580** 38:20,20

---

**6**

---

**6** 1:10 219:17 235:2  
**60** 126:21 251:22 254:4  
 254:5 255:11 270:19  
 271:10 306:19  
**60,000** 257:4  
**600** 38:20,20 186:13  
 245:13  
**60s** 165:21 208:16  
**61** 243:11  
**62** 153:10  
**65** 153:12 154:14  
 168:11 192:1  
**67** 172:22 175:8,9,12,14  
 175:20  
**68** 173:1  
**6th** 13:7 27:21

---

**7**

---

**7** 224:17 235:2  
**70,000** 214:20 243:2  
 257:4  
**70s** 165:22 186:18  
 208:16  
**71** 208:17 209:9

**72** 191:18 192:2  
**73** 191:16  
**75** 7:12 250:14 251:17  
**7th** 13:7

---

**8**

---

**8** 235:2 252:4  
**8:00** 288:6  
**8:29** 4:2  
**8:30** 1:13  
**8:37** 10:20  
**8:41** 10:21  
**80** 225:18 261:15 271:4  
 271:5  
**80s** 166:2 176:9 180:1  
 204:4 241:3  
**85** 225:17,22 260:18  
 262:10  
**870** 1:12  
**8th** 6:12 13:5

---

**9**

---

**9** 224:18  
**9-month** 219:17  
**9/11** 90:11 97:21  
**9:10** 35:20  
**9:18** 35:21  
**9:43** 54:19  
**9:47** 54:20  
**90** 38:16 216:22 225:12  
 262:3 298:21  
**90's** 61:19 71:17 81:7  
 96:13  
**90-91** 101:8  
**900** 26:19  
**90s** 51:18 54:13  
**93** 10:3 152:2  
**95** 216:22 244:4  
**950,000** 255:10  
**96** 231:13,13  
**98** 51:20 214:21 215:5  
 262:8  
**98,000** 216:15  
**99** 3:6

C E R T I F I C A T E

This is to certify that the foregoing transcript


In the matter of: Meeting of the Advisory Committee  
on Disability Compensation

Before: US DVA

Date: 03-06-17

Place: Washington, DC

was duly recorded and accurately transcribed under  
my direction; further, that said transcript is a  
true and accurate record of the proceedings.

  
-----  
Court Reporter

**NEAL R. GROSS**

COURT REPORTERS AND TRANSCRIBERS

1323 RHODE ISLAND AVE., N.W.

WASHINGTON, D.C. 20005-3701