

**In the Matter of:**

LabMD, Inc.

*May 21, 2014*

*Trial - Public*

*Volume 2*

**Condensed Transcript with Word Index**



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1 FEDERAL TRADE COMMISSION  
2 I N D E X  
3 IN RE LABMD, INC.  
4 TRIAL VOLUME 2  
5 PUBLIC AND [REDACTED]  
6 MAY 21, 2014

|            |        |       |          |         |      |
|------------|--------|-------|----------|---------|------|
| 8 WITNESS: | DIRECT | CROSS | REDIRECT | RECROSS | VOIR |
| 9 HILL     |        | 214   | 311      | 319     |      |
| 10         |        |       | 324      |         |      |
| 11 WILMER  | 331    | 352   |          |         |      |
| 12 KAM     | 377    |       |          |         |      |

13  
14  
15 EXHIBITS FOR ID IN EVID IN CAMERA STRICKEN/REJECTED  
16 CX  
17 (none)  
18  
19 RX  
20 (none)  
21  
22 JX  
23 (none)  
24  
25

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1 UNITED STATES OF AMERICA  
2 FEDERAL TRADE COMMISSION

3 In the Matter of )  
4 LabMD, Inc., a corporation, ) Docket No. 9357  
5 Respondent. )  
6 -----)  
7 May 21, 2014  
8 9:37 a.m.  
9 TRIAL VOLUME 2  
10 PUBLIC AND [REDACTED]  
11  
12 BEFORE THE HONORABLE D. MICHAEL CHAPPELL  
13 Chief Administrative Law Judge  
14 Federal Trade Commission  
15 600 Pennsylvania Avenue, N.W.  
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19 Reported by: Josett F. Whalen, Court Reporter  
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1 PROCEEDINGS  
 2 - - - - -  
 3 JUDGE CHAPPELL: Back on the record Docket 9357.  
 4 I think we're ready for cross-exam.  
 5 MR. SHERMAN: We are, Your Honor.  
 6 JUDGE CHAPPELL: All right. Proceed when ready.  
 7 - - - - -  
 8 Whereupon --  
 9 RAQUEL HILL, Ph.D.  
 10 a witness, called for examination, having been  
 11 previously duly sworn, was examined and testified  
 12 further as follows:  
 13 CROSS-EXAMINATION  
 14 BY MR. SHERMAN:  
 15 **Q. Good morning, Professor Hill.**  
 16 A. Good morning.  
 17 **Q. Professor, you testified for quite a long time**  
 18 **yesterday, and I just want to kind of go back and ask**  
 19 **you some follow-up questions with regard to your**  
 20 **testimony. All right?**  
 21 A. Okay.  
 22 **Q. Yesterday, Professor, you indicated that in**  
 23 **doing your analysis of LabMD's data security, you were**  
 24 **asked to assume that there was harm; is that correct?**  
 25 A. Yes.

1 did you make any assumptions that are not detailed in  
 2 your report?  
 3 THE WITNESS: No, sir.  
 4 JUDGE CHAPPELL: Thank you.  
 5 MR. SHERMAN: And just for the clarity of the  
 6 record, Your Honor, Professor Hill is looking at  
 7 Exhibit -- is it CX 740? -- CX 740.  
 8 BY MR. SHERMAN:  
 9 **Q. Professor Hill, do you agree that CX 740 is the**  
 10 **report that you issued in regard to this litigation?**  
 11 A. Yes.  
 12 (Pause in the proceedings.)  
 13 MR. SHERMAN: Does anybody know how to turn this  
 14 thing on (indicating)? Is this thing on?  
 15 JUDGE CHAPPELL: We just happen to have the guy  
 16 here who knows how to fix it.  
 17 (Discussion off the record.)  
 18 BY MR. SHERMAN:  
 19 **Q. Professor Hill, are you on page 18 of your**  
 20 **report?**  
 21 A. Yes.  
 22 **Q. And if you would, on page 18, the last sentence**  
 23 **in paragraph 49, can you read that into the record,**  
 24 **please.**  
 25 A. Yes.

1 **Q. Were you asked to assume any specific type of**  
 2 **harm?**  
 3 A. No.  
 4 **Q. Were you asked to assume that this harm was**  
 5 **caused by a lack or an inadequacy of LabMD's data**  
 6 **security?**  
 7 A. I don't -- I don't recall.  
 8 JUDGE CHAPPELL: I have a question along that  
 9 line.  
 10 MR. SHERMAN: Yes, sir.  
 11 JUDGE CHAPPELL: And I haven't seen the reports.  
 12 I don't see this stuff. I know they're exhibits now,  
 13 but I don't have them before trial.  
 14 Does your report detail what you were asked to  
 15 assume?  
 16 THE WITNESS: Yes. There's a statement in my  
 17 report about the harm that I was asked to assume.  
 18 JUDGE CHAPPELL: Okay. Thank you.  
 19 THE WITNESS: There's a specific statement.  
 20 BY MR. SHERMAN:  
 21 **Q. Professor Hill, do you know where that statement**  
 22 **is located in your report?**  
 23 **Do you have a copy of your report?**  
 24 A. I do have a copy of my report.  
 25 JUDGE CHAPPELL: As a follow-up to my question,

1 "For purposes of this report, I have assumed  
 2 that these types of information can be used to harm  
 3 consumers, through identity theft, medical identity  
 4 theft, and disclosing private information."  
 5 **Q. Professor Hill, were you asked to assume that**  
 6 **this type of harm had actually occurred?**  
 7 A. I was asked to assume that this type of harm  
 8 could occur if the information was exposed.  
 9 **Q. But you were not asked to assume that this type**  
 10 **of harm actually had occurred; is that correct?**  
 11 A. That's correct.  
 12 JUDGE CHAPPELL: Whoa, whoa, whoa. Wait a  
 13 minute. Sorry to interrupt.  
 14 If you assumed it could occur, does that not  
 15 mean you assumed it was likely? Isn't that the same  
 16 thing?  
 17 THE WITNESS: I'm sorry, sir. I thought that he  
 18 had said that it had --  
 19 JUDGE CHAPPELL: No, no, I'm not talking about  
 20 what he said.  
 21 THE WITNESS: Oh, okay.  
 22 JUDGE CHAPPELL: I'm reading plain English  
 23 here.  
 24 Do you need her to read my question back?  
 25 THE WITNESS: Yes, sir.

1 (The record was read as follows:)

2 "QUESTION: If you assumed it could occur, does

3 that not mean you assumed it was likely? Isn't that the

4 same thing?"

5 THE WITNESS: Oh, that it was likely? Yes, sir.

6 JUDGE CHAPPELL: Thank you.

7 Go ahead.

8 BY MR. SHERMAN:

9 **Q. So it's fair to say then that you have no**

10 **opinion with regard to the likelihood of harm because it**

11 **was assumed in your report; correct?**

12 A. I have no opinion, yes.

13 **Q. Professor Hill, were you -- well, were you asked**

14 **to assume that the 1718 File -- do you know what that**

15 **is?**

16 A. Yes.

17 **Q. Okay. You agree the 1718 File is the insurance**

18 **aging file from LabMD that's at the center of this case;**

19 **correct?**

20 A. Can -- I agree that I understand what the

21 1718 File is.

22 **Q. And you've seen the 1718 File; is that correct?**

23 A. Yes.

24 **Q. Okay. And so you know what I'm talking about**

25 **when I refer to the 1718 File; correct?**

1 A. Yes.

2 **Q. Were you asked to assume that the 1718 File**

3 **escaped LabMD's possession because of some data**

4 **insecurity -- I'm sorry -- because of some inadequate**

5 **data security by LabMD?**

6 A. Can you repeat your question.

7 **Q. Maybe.**

8 A. Please.

9 JUDGE CHAPPELL: Maybe restate it?

10 BY MR. SHERMAN:

11 **Q. Were you asked to assume that the 1718 File**

12 **escaped the possession of LabMD due to some inadequacy**

13 **in LabMD's data security?**

14 A. I was not asked to make any assumptions about

15 the inadequacies of LabMD's data security.

16 **Q. Did you, in your research and review of the**

17 **evidence of record, conclude that the 1718 File escaped**

18 **LabMD's possession due to some inadequacy in LabMD's**

19 **data security?**

20 A. Yes.

21 **Q. And did you determine then or do you have an**

22 **opinion as to how the 1718 File escaped LabMD's**

23 **possession?**

24 A. I don't have an opinion about how, exactly how

25 it escaped LabMD's possession.

1 **Q. But it's fair to say that even not knowing how**

2 **it escaped, you attribute that escape to some inadequacy**

3 **in LabMD's data security.**

4 A. Yes.

5 **Q. Do you know specifically what inadequacy in**

6 **LabMD's data security you attribute the escape to?**

7 A. Yes.

8 **Q. Can you explain that to us, please.**

9 A. The inadequacy that I saw was allowing employees

10 the ability to download software on their individual

11 workstations.

12 **Q. Any software in particular?**

13 A. The LimeWire software or any unauthorized

14 software, software not needed to do the job that the

15 employee was assigned to do.

16 **Q. But in your review, there is no definitive**

17 **evidence of the record that you've reviewed that shows**

18 **that the 1718 File escaped LabMD's possession due to the**

19 **downloading of some unauthorized program onto a**

20 **workstation at LabMD.**

21 A. There's no definitive evidence of how that file

22 left LabMD's possession.

23 **Q. Is there any definitive evidence about how the**

24 **day sheets -- and are you familiar with the day sheets?**

25 A. Yes, I am.

1 **Q. Is there any definitive evidence of how the day**

2 **sheets left LabMD's possession based on your review of**

3 **the record?**

4 A. No.

5 **Q. Professor Hill, during your testimony, you**

6 **reviewed reports from a company called ProviDyn. Do you**

7 **recall that?**

8 A. Yes.

9 **Q. And you also reviewed reports from a company**

10 **called APT. Do you recall that as well?**

11 A. Yes.

12 **Q. Let's talk about your review of the reports from**

13 **a company called APT.**

14 **I recall your testimony -- and you correct me if**

15 **I'm wrong or misstating it -- that you testified that**

16 **you reviewed some reports from APT that indicated that**

17 **they had to eradicate viruses on LabMD's computer**

18 **network; is that correct?**

19 A. The reports that I reviewed stated that they

20 were trying to run antivirus software but were unable

21 to.

22 **Q. And in your review of those reports, were you**

23 **able to determine, during the relevant period, whether**

24 **or not -- well, let me back up.**

25 **Do you agree that the relevant time period for**

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1 your opinion is January 2005 through July of 2010?  
 2 A. Yes.  
 3 **Q. Is it an accurate -- well, based on your review**  
 4 **of the record, are you able to determine whether or not**  
 5 **LabMD experienced any viruses on its network during the**  
 6 **relevant period?**  
 7 A. Yes.  
 8 **Q. And what determination did you make?**  
 9 A. Regarding?  
 10 **Q. As to whether or not LabMD experienced any**  
 11 **viruses on its network during the relevant period.**  
 12 A. That they did.  
 13 **Q. Okay. Do you know how many?**  
 14 A. There -- I don't know exactly how many.  
 15 I recall there being one machine that had over a  
 16 thousand viruses on that particular machine.  
 17 There were servers that had multiple viruses  
 18 during the daily scans that were performed and the same  
 19 viruses were present for those consecutive days, which  
 20 indicates to me that those viruses were not removed  
 21 effectively.  
 22 **Q. Is it abnormal for a company to have viruses on**  
 23 **their computers or on their computer network?**  
 24 A. It's not abnormal for viruses to be found on  
 25 computers. It's a little bit abnormal for viruses to be

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1 found on servers, because a server is not a machine  
 2 where you have an individual working on that machine.  
 3 When you have a human and they're doing  
 4 different things and interacting with various  
 5 applications and on the Internet, they may  
 6 inadvertently introduce viruses to the machine. But a  
 7 server is not a machine that you expect an individual  
 8 to be working on that machine and introducing those  
 9 types of risks.  
 10 **Q. You said it's a little bit unusual, so in other**  
 11 **words, it happens, it occurs, doesn't it?**  
 12 A. It is possible that it could occur.  
 13 **Q. And it occurs in the normal course of business**  
 14 **for businesses that use computers and servers that**  
 15 **interact with the Internet; is that correct?**  
 16 A. Yes, it does.  
 17 **Q. And those viruses are eradicated by those**  
 18 **people who eradicate viruses; is that correct? Either**  
 19 **some IT staff in-house or some third-party service**  
 20 **provider comes in and they eradicate the virus;**  
 21 **correct?**  
 22 A. There may be attempts to address the viruses.  
 23 The concern that I have is that there was no indication  
 24 that the viruses on the servers were eradicated because  
 25 you saw the exact same virus the following day.

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1 **Q. Is it your testimony that the viruses on the**  
 2 **servers of LabMD were not eradicated?**  
 3 A. They didn't seem to be during that time period  
 4 that there were daily scans being performed, because  
 5 during the consecutive days you saw the exact same virus  
 6 and the exact same antispyware on the same machines,  
 7 so --  
 8 **Q. Is it your testimony that they were never**  
 9 **eradicated?**  
 10 A. No, that is not my testimony. I don't have  
 11 evidence regarding that they were never eradicated,  
 12 just during the time period that I -- for those daily  
 13 scans --  
 14 **Q. And what is --**  
 15 A. -- they were reoccurring.  
 16 **Q. And what is that time period?**  
 17 A. I don't recall the exact dates, but it was  
 18 within the relevant time period that those daily scans  
 19 were being performed. And I think -- but we would have  
 20 to go to that part of the record -- those scans were  
 21 being performed I think in 2010 for a series of maybe  
 22 over a month or maybe even longer. I don't recall the  
 23 exact dates, but I think it was in 2010.  
 24 **Q. Okay. And so at some point after you saw the**  
 25 **occurrence of this virus for maybe a period of a month,**

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1 **it was eradicated; is that correct?**  
 2 A. I'm not sure. I can't make a statement about  
 3 that. I didn't -- I don't -- there wasn't evidence to  
 4 say that they were eradicated.  
 5 **Q. Isn't it true that based on your review of the**  
 6 **record, that when these viruses would occur, there would**  
 7 **usually be a slowdown in LabMD's ability to work, a**  
 8 **slowdown in their ability to do what they do on a daily**  
 9 **basis?**  
 10 A. In my review of the record, the IT staff were  
 11 called to fix a computer when there was a slowdown. One  
 12 virus may not cause a slowdown.  
 13 **Q. Right.**  
 14 **And viruses cause different things to occur on**  
 15 **computers; is that correct?**  
 16 A. Yes.  
 17 **Q. Okay. And just because you have a virus on your**  
 18 **computer does not mean that the computer is inoperable,**  
 19 **does it?**  
 20 A. Just because you have one, yes, it doesn't mean  
 21 that it's inoperable.  
 22 **Q. Different viruses do different things; is that**  
 23 **correct?**  
 24 A. Yes.  
 25 **Q. And just because you have a certain virus on**

1 **your computer doesn't mean that your computer is exposed**  
2 **to malicious outside intrusion other than that virus; is**  
3 **that correct?**

4 A. If there is any unauthorized software on your  
5 machine, you can be susceptible to malicious outside  
6 intrusion.

7 **Q. Okay. And you can be susceptible to malicious**  
8 **outside intrusion, but that does not necessarily occur;**  
9 **is that correct?**

10 A. It may not occur.

11 **Q. It may not occur.**

12 **Are you aware of whether or not as a result of**  
13 **any virus LabMD was susceptible to any -- I'm sorry.**

14 **Are you aware, as a result of any virus, whether**  
15 **or not LabMD had a data security breach as a result of**  
16 **that virus?**

17 A. There was no evidence in the record to state  
18 that.

19 **Q. Let's talk about the ProviDyn report.**

20 **You reviewed the ProviDyn report in formulating**  
21 **your opinion as well; is that correct?**

22 A. Yes.

23 **Q. And there were certain high-risk indications**  
24 **that occurred as a result of the ProviDyn report, you**  
25 **agree?**

1 network and out of LabMD's network, so there were no  
2 such logs in the record and I couldn't make such a  
3 determination.

4 JUDGE CHAPPELL: I have a question.

5 THE WITNESS: Yes, sir.

6 JUDGE CHAPPELL: Are you aware of whether or not  
7 any time a computer was on at LabMD it was on the  
8 Internet, or did they have to click, for example, the  
9 browser to be on the Internet?

10 THE WITNESS: If your computer is connected to  
11 the Internet, it is accessible, you know, to the  
12 Internet, so you don't necessarily have to click the  
13 browser to be on the Internet. You're already connected  
14 to the local area network, which is then connected to  
15 the Internet via a router.

16 JUDGE CHAPPELL: So you're saying, based on  
17 their local area network, if the computer was on, it  
18 would have been on the Internet.

19 THE WITNESS: Yes, sir.

20 JUDGE CHAPPELL: That's not true on your home  
21 computer, is it?

22 THE WITNESS: With your home computer, you are  
23 connected to your ISP. And if someone knows your IP  
24 address, you're already on the network if you're  
25 connected to your home network, yes.

1 A. Yes.

2 **Q. And in your review of the record, did LabMD**  
3 **address those high-risk issues?**

4 A. There was at least one that they did not  
5 address.

6 **Q. And which one was that?**

7 A. That was the anonymous FTP risk.

8 **Q. And the risk of the anonymous FTP was what?**

9 A. The risk was that given anonymous FTP, you  
10 didn't require an external entity to authenticate  
11 itself, to prove its identity, so that exposed your  
12 network to any external entity, and they could write and  
13 have and take control over your machine. They could  
14 read the data. They could turn your machine into a  
15 data-serving machine and send that data anywhere.

16 **Q. In your review of the record, was there any**  
17 **evidence that that occurred?**

18 A. There was no -- I didn't review any evidence.

19 **Q. So there was no evidence, in your review of the**  
20 **record, that someone was able to come in onto LabMD's**  
21 **network and write, as you've described it, and then send**  
22 **LabMD's information all over the Internet; is that**  
23 **correct?**

24 A. Yes. Because I -- that's correct because there  
25 were no logs of the traffic that flowed into LabMD's

1 JUDGE CHAPPELL: So that would only be if your  
2 router is turned on at home.

3 THE WITNESS: Only -- yes, sir.

4 JUDGE CHAPPELL: But at LabMD or any company  
5 where you're on a LAN, if they have Internet access,  
6 then someone -- that computer is always online whether  
7 they know it or not.

8 THE WITNESS: Yes, sir.

9 JUDGE CHAPPELL: Effectively online.

10 THE WITNESS: Yes, sir.

11 JUDGE CHAPPELL: Thank you.

12 BY MR. SHERMAN:

13 **Q. There were other high-risk indications from the**  
14 **ProviDyn report; is that correct?**

15 A. Yes, sir.

16 **Q. Do you recall whether or not those risks were**  
17 **addressed by LabMD?**

18 A. I don't recall that they were not. I didn't  
19 see any specific statements that they were not  
20 addressed.

21 **Q. Dr. Hill, you indicated in your testimony that**  
22 **these high risks defined vulnerabilities to LabMD's**  
23 **network; correct?**

24 A. Yes.

25 **Q. And in your testimony, you described all of the**

1 **negative impact or consequences of these**  
 2 **vulnerabilities; is that correct?**  
 3 A. I specified some.  
 4 **Q. You specified some but not all.**  
 5 A. Not all.  
 6 **Q. Is there any evidence in your review of the**  
 7 **record that any of these consequences that you specified**  
 8 **occurred at LabMD?**  
 9 A. There's no evidence to support that, and as I've  
 10 previously stated, there were no such data logs that  
 11 will allow me to make such a conclusion.  
 12 **Q. Dr. Hill, yesterday you also testified that in**  
 13 **arriving at your conclusions, you looked at standards in**  
 14 **the industry to determine whether or not LabMD's data**  
 15 **security met those standards; is that a fair statement**  
 16 **with regard to your testimony?**  
 17 A. I think a more accurate statement would be, is  
 18 that I based my opinions on my knowledge within the area  
 19 and I supported my conclusions with the standards and  
 20 guidelines that I used.  
 21 **Q. And you indicated that you looked at government**  
 22 **standards and guidelines; is that correct?**  
 23 A. Yes.  
 24 **Q. And did you look at FTC standards and guidelines**  
 25 **for data security?**

1 A. I did not consider the FTC standards and  
 2 guidelines.  
 3 **Q. Did you look at HIPAA -- and do you know what**  
 4 **HIPAA is?**  
 5 A. Yes, sir, I do.  
 6 **Q. Okay. And would you agree that HIPAA is a**  
 7 **regulation that governs the -- in part, governs the**  
 8 **storage and transfer of health-related information by**  
 9 **medical care providers?**  
 10 A. I can't make a statement or -- about the legal  
 11 aspects of HIPAA and what it governs. I don't  
 12 understand the legal aspects of what it governs.  
 13 **Q. So you're not intimately familiar with HIPAA**  
 14 **then.**  
 15 A. No, sir.  
 16 **Q. Okay. And you did not consider HIPAA or HIPAA's**  
 17 **guidelines in the formulation of your opinion in this**  
 18 **case; correct?**  
 19 A. I considered the HIPAA security rule portion.  
 20 **Q. And that's all with regard to HIPAA?**  
 21 A. Yes.  
 22 **Q. And so it didn't play into your consideration or**  
 23 **your opinion as to whether or not LabMD was a**  
 24 **HIPAA-covered entity.**  
 25 A. No. I didn't take that into consideration.

1 **Q. Can we pull up Appendix B to the report of**  
 2 **Ms. Hill, please.**  
 3 A. Excuse me, Mr. Sherman.  
 4 **Q. Yes.**  
 5 A. There was also -- there were, as part of the  
 6 HIPAA documents, the six basic rules for risk  
 7 assessment, and that was also a HIPAA document that I  
 8 used.  
 9 **Q. Professor Hill, you indicated that you**  
 10 **considered government standards in formulating your**  
 11 **opinion; is that correct?**  
 12 A. Yes.  
 13 **Q. And I believe one of the government standards**  
 14 **that you considered was NIST? And I won't ask you what**  
 15 **that stands for since I think we established that**  
 16 **yesterday through much wrangling.**  
 17 **But you did consider NIST; is that correct?**  
 18 A. Yes. The 800-30 document from NIST.  
 19 **Q. Was there any specific portion of NIST that you**  
 20 **considered to be relevant to LabMD's data security?**  
 21 A. That particular document talks about risk  
 22 assessment practices, and yes, I considered that.  
 23 **Q. How big is the NIST document that you**  
 24 **considered?**  
 25 A. I don't recall that.

1 **Q. Is it voluminous?**  
 2 A. Voluminous?  
 3 **Q. Yes.**  
 4 **Does it contain hundreds of pages?**  
 5 A. No. I don't recall that it contains hundreds of  
 6 pages, no.  
 7 **Q. And so in looking at NIST, you looked at it as**  
 8 **part of an overview and not in depth; would that be a**  
 9 **fair statement?**  
 10 A. Yes. I was just looking at the specific  
 11 guidelines that they provided to support the conclusions  
 12 that I'd already made.  
 13 **Q. And is it fair to say that you did the same for**  
 14 **all of the other government standards that are listed in**  
 15 **Appendix B to your report, that you looked at them as an**  
 16 **overview to support what you already knew? Is that**  
 17 **correct?**  
 18 A. Yes. I was trying to find documents that  
 19 provided guidelines for security, and those documents  
 20 align with the recommendations that I made for a  
 21 comprehensive information security plan that was  
 22 reasonable and appropriate. Yes.  
 23 **Q. So is it fair to say that the process you used**  
 24 **for coming up with your conclusion began with a review**  
 25 **of the evidence in the record in this case? Is that**

1 correct?  
 2 A. Yes.  
 3 **Q. Based on that review and based on your**  
 4 **knowledge, you then came to your conclusion with regard**  
 5 **to LabMD's data security; is that correct?**  
 6 A. Yes.  
 7 **Q. And then you went out in search of standards and**  
 8 **guidelines to support what you already knew.**  
 9 A. I found documents. And I don't think it was a,  
 10 you know, big search for documents. These are  
 11 documents that IT professionals use for guidance, and  
 12 so...  
 13 **Q. You testified yesterday that these were**  
 14 **standards and guidelines in the industry; correct?**  
 15 A. What do you mean by "in the industry"?  
 16 **Q. That was my next question to you.**  
 17 **When you testified that these are industry**  
 18 **standards, what industry were you talking about?**  
 19 A. With regards to industry and government  
 20 standards, the industries relating to computer security  
 21 and information technology professionals. That's the  
 22 industry.  
 23 **Q. So you were not referring to, in your**  
 24 **testimony, industry standards for medical care**  
 25 **providers.**

1 A. There's a specific document that I cite from  
 2 the National Research Council that does provide  
 3 guidelines for protecting medical data, and those  
 4 guidelines are consistent with protection mechanisms  
 5 that are recommended by the other standards, so they're  
 6 consistent.  
 7 When you want to protect infrastructure, there  
 8 are some common guidelines that are across all types of  
 9 domains. Computing is pervasive, so these guidelines,  
 10 whether they're from NIST or from the Computer Emergency  
 11 Response Team or from the National Research Council that  
 12 specifically focused on medical data, they have  
 13 consistent guidelines. And that's because computing is  
 14 pervasive and consistent across different types of  
 15 business domains.  
 16 **Q. And so you considered all of these sources to**  
 17 **the exclusion of HIPAA and to the exclusion of anything**  
 18 **out there that was available discussing data security**  
 19 **standards from the FTC; is that correct?**  
 20 A. I don't quite understand your question. Can you  
 21 restate it.  
 22 **Q. It's just that I want to make sure I'm getting**  
 23 **your testimony correct, that in reviewing standards and**  
 24 **guidelines for data security to assist in the**  
 25 **formulation or to support the formulation of your**

1 **opinion, you didn't consider the guidelines set out by**  
 2 **HIPAA, other than the security rule and the six**  
 3 **principles of risk assessment, and you didn't consider**  
 4 **any information that was out there with regard to**  
 5 **standards for data security from the FTC.**  
 6 A. Yes, that is correct.  
 7 **Q. Professor Hill, did you review the complaint in**  
 8 **this case prior to formulating your opinion?**  
 9 A. Yes.  
 10 **Q. And so are you familiar with the allegations in**  
 11 **paragraph 10 of the complaint?**  
 12 **And we can put them on the screen for you.**  
 13 **Would that help?**  
 14 A. Yes. But let me back up. I think I misstated.  
 15 I began reviewing the documents before I ever  
 16 saw this complaint, and so I didn't formulate my  
 17 opinions after seeing the complaint, so I misstated. I  
 18 apologize.  
 19 **Q. When did you start reviewing the documents in**  
 20 **this case, approximately?**  
 21 A. I started reviewing the documents -- it was  
 22 either June or July of 2013. And I -- I'm thinking more  
 23 it's July, and I think I made that statement in the --  
 24 during the deposition, but I think it's July.  
 25 **Q. And how long after you began reviewing the**

1 **documents did you see the complaint for the first time?**  
 2 A. I think that I saw the complaint much later. I  
 3 recall seeing the complaint as I was preparing my expert  
 4 document, so that's when I recall seeing it.  
 5 **Q. And so if you look at -- can you see the screen?**  
 6 A. Yes, I can.  
 7 **Q. If you look at paragraph 10 subparagraph (a).**  
 8 A. Yes.  
 9 **Q. It reads "did not develop, implement or maintain**  
 10 **a comprehensive information security program to protect**  
 11 **consumers' personal information."**  
 12 **Did I read that correct?**  
 13 A. Yes.  
 14 **Q. Now, you use that phrase "comprehensive**  
 15 **information security program" in your report; correct?**  
 16 A. Yes.  
 17 **Q. Who coined that phrase? Was that you or did you**  
 18 **look at the complaint and put that in your report?**  
 19 A. I think we've discussed this before, but the --  
 20 that phrase is in some form of the concept of a  
 21 comprehensive information security program is  
 22 well-known, and that -- so the concept is known. The  
 23 exact phrase, as I've stated previously, I don't recall  
 24 if -- if, you know, I stated it or they stated it.  
 25 But I was asked to assess LabMD's security

1 program, and I may have been given the term  
2 "comprehensive information security program." But that  
3 whole concept of a comprehensive information security  
4 program, that concept I know, so -- and that's why my  
5 memory was vague on that, like whether they gave it to  
6 me or not. But the notion of a -- when I was asked to  
7 do, to assess their program, their security program,  
8 that concept was there of a comprehensive information  
9 security program.

10 JUDGE CHAPPELL: You said "we've discussed this  
11 before." Who's "we"?

12 THE WITNESS: During the deposition. I'm sorry,  
13 Your Honor.

14 BY MR. SHERMAN:

15 **Q. It's a line of questioning that I asked you**  
16 **during it; correct?**

17 A. Yes.

18 **Q. So your testimony is the concept of a**  
19 **comprehensive information security program is out there**  
20 **and known in the IT industry; correct?**

21 A. Yes.

22 **Q. What about the phrase "comprehensive information**  
23 **security program"?**

24 A. I would -- I would say that "comprehensive  
25 information security program," whether that phrase is

1 there or that's how it is expressed -- and it may be  
2 that terminology may be used and in some circles and it  
3 may not be, but that whole idea of a comprehensive  
4 information security program is there.

5 **Q. Do you find that phrase, not the concept, that**  
6 **phrase, used in the literature that you reviewed to**  
7 **support your opinion here?**

8 A. I don't recall.

9 **Q. Now, you define a comprehensive security program**  
10 **in your report.**

11 **If we can go to the report on page 19. We may**  
12 **continue to switch back and forth between those two**  
13 **documents, please.**

14 **Do you have your report in front of you,**  
15 **Professor Hill?**

16 A. Yes, I do.

17 **Q. Could you turn to page 19, please.**

18 **Professor Hill, I direct your attention to**  
19 **paragraph 52 of your report.**

20 A. Yes.

21 **Q. Would you agree that that is your definition of**  
22 **what a comprehensive information security program is?**

23 A. I would say that that is not only my definition  
24 of what a comprehensive information security program is,  
25 but it is an accepted definition throughout the IT

1 profession.

2 **Q. Could you read that definition into the record**  
3 **for us, please.**

4 A. "A comprehensive information security program is  
5 a plan that sets out an organization's security goals,  
6 the written policies that would satisfy those goals, the  
7 mechanisms that would be used to enforce the written  
8 policies, and how those mechanisms would be used to  
9 enforce the written policies. The best practices for  
10 developing a comprehensive information security program  
11 would include the seven principles that I discuss in  
12 paragraph 31, above: don't keep what you don't need,  
13 patch, ports, policies, protect, probe and physical."

14 **Q. Professor Hill, could one find that definition**  
15 **of "comprehensive information security program" out in**  
16 **the literature that you searched to support your opinion**  
17 **for this case?**

18 A. I think that one could find all of the elements  
19 that I've included in this definition. Yes.

20 **Q. But not specifically that definition as you've**  
21 **worded it.**

22 A. Probably not specifically that phrasing.

23 **Q. Do you know if the term and the definition of**  
24 **"comprehensive information security program" is**  
25 **contained within any of the data security literature**

1 **that has been published by the FTC?**

2 A. I don't know. I didn't review the FTC's  
3 document on security.

4 **Q. Are you suggesting that there is a document from**  
5 **the FTC on security?**

6 A. I think that there is.

7 **Q. And what do you think it is?**

8 A. Excuse me?

9 **Q. What do you think that document is?**

10 A. I think that the FTC has a document that has  
11 security recommendations. I didn't review it, but I do  
12 recall seeing it.

13 **Q. Do you know whether or not that document**  
14 **contains the phrase and the definition of**  
15 **"comprehensive information security program"?**

16 A. No, I do not.

17 JUDGE CHAPPELL: Mr. Sherman, do you plan on  
18 using that billboard, whatever that's called there,  
19 during your cross?

20 MR. SHERMAN: I do.

21 JUDGE CHAPPELL: Okay.

22 BY MR. SHERMAN:

23 **Q. Now, Professor Hill, you would agree then that**  
24 **your report tracks the language in paragraph 10 of the**  
25 **complaint in terms of delineating LabMD's data security**

1 **inadequacies.**  
 2 A. Yes.  
 3 **Q. And so is it fair to say then that your report**  
 4 **is based on the complaint or the complaint is based on**  
 5 **your report?**  
 6 A. It is fair to say that I was asked to offer  
 7 opinions in those areas.  
 8 **Q. Were those areas given to you as they appear in**  
 9 **the complaint?**  
 10 A. Yes.  
 11 **Q. Now, you indicate that there are seven**  
 12 **principles to developing a comprehensive information**  
 13 **security program; correct?**  
 14 A. Yes.  
 15 **Q. Those principles are: don't keep what you don't**  
 16 **need, patch, ports, policies, protect, probe, and**  
 17 **physical; correct?**  
 18 A. Yes.  
 19 **Q. In the research of the documents, the standards,**  
 20 **the guidelines that are out there, are these seven**  
 21 **principles, as you list them, anywhere else in one**  
 22 **document and incorporated as the seven principles of a**  
 23 **comprehensive information security program?**  
 24 A. I don't recall the principles being stated in  
 25 that way, that these are the seven principles for a

1 **find that somewhere where it says a comprehensive**  
 2 **information security program consists of these seven**  
 3 **principles?**  
 4 A. What you would be able to find are documents  
 5 that give you recommendations that contain those  
 6 principles. Yes, you'll be able to find that. The  
 7 exact phrasing "a comprehensive information security  
 8 program consists of these seven principles," you may not  
 9 find that exact phrasing, but you will find  
 10 recommendations and guidelines that encompass those  
 11 seven principles.  
 12 **Q. So if I'm doing this research, I'm likely to**  
 13 **have to look at a variety of documents to conclude then**  
 14 **that seven principles of a comprehensive information**  
 15 **security program, whose definition I have to glean also**  
 16 **from all of these documents, incorporates these seven**  
 17 **principles.**  
 18 A. No. I don't -- I don't agree with that.  
 19 Because as I've previously stated, these guidelines,  
 20 whether they are for a specific domain or general  
 21 guidelines, they are consistent. They're basically  
 22 stating the same thing, that if you want to protect  
 23 your system, these are the set of things that you  
 24 have -- that you want to do. And they provide general  
 25 guidelines for protecting a system that are consistent.

1 comprehensive information security plan.  
 2 I do recall in those documents that you have at  
 3 least six of those principles present in some form. The  
 4 one that may not be present is the "don't keep what you  
 5 don't need." And it is my opinion that is because the  
 6 documents that I reference are documents that were  
 7 created prior or during the relevant time period, and  
 8 some of these documents are prior to the beginning of  
 9 the relevant time period.  
 10 The "don't keep what you don't need" principle  
 11 is more about data. And what we see emerging is a trend  
 12 where data is becoming a major part of organizations'  
 13 business model.  
 14 And so now that we are amassing more and more  
 15 data, there is the need to protect this data and limit  
 16 access to this data, and so that's why you may not see  
 17 and you probably wouldn't see it in those exact terms  
 18 of "don't keep what you don't need." You may see terms  
 19 "like limit access to data." But that need to limit  
 20 access is something that is emerging because we have  
 21 this emerging trend of large amounts of data and  
 22 organizations maintaining large amounts of data.  
 23 **Q. So if I'm an IT professional and I'm looking**  
 24 **for the seven principles of a comprehensive information**  
 25 **security plan and program, am I going to be able to**

1 So you can take a look at one of them and,  
 2 you know, find these specific principles embedded in  
 3 those recommendations, so I don't agree that you have to  
 4 look in multiple places to find these general  
 5 principles. Because these are -- these are general  
 6 principles that are used to protect computing  
 7 infrastructure. These are -- this is nothing special  
 8 here.  
 9 **Q. So there's a document that contains all of these**  
 10 **terms and says, you know, basically this is what you**  
 11 **should be doing in order to develop a comprehensive**  
 12 **information security program.**  
 13 A. As I've stated before, the terms may not be the  
 14 exact same, but the concepts of doing updates, patching,  
 15 closing unused ports, specifying strong password  
 16 policies, all of those concepts are captured in general  
 17 guidelines. These -- providing access control and  
 18 limiting access to your data, these are very basic  
 19 recommendations that anyone would use to protect their  
 20 infrastructure. There's nothing special about these.  
 21 And so those guidelines that, you know, for  
 22 small businesses that I've cited and other guidelines  
 23 for doing overall security, they capture those  
 24 principles in their recommendations.  
 25 **Q. And so other than the one document that you**

1 **named that specifically addressed healthcare entities,**  
2 **are you aware of any other government standards for the**  
3 **regulation of healthcare data?**

4 A. For the regulation of healthcare data?

5 **Q. For the regulation or that gives guidelines for**  
6 **data security as it relates to healthcare.**

7 A. I think that I've cited a couple of documents.  
8 That was the security rule from HIPAA. There was the  
9 six basic principles for risk assessment. There was the  
10 one from the National Research Council about protecting  
11 medical data.

12 I cited documents that were written prior to or  
13 within -- early within the relevant time period. I  
14 think that there are later documents that may say  
15 something specifically about medical-related data, but I  
16 didn't cite those because I wanted to cite documents  
17 that were available within -- during the relevant time  
18 period.

19 So there may be other documents, but I didn't --  
20 I didn't cite those.

21 **Q. But you would agree that the first two documents**  
22 **you named are HIPAA documents.**

23 A. The first two documents that I named are HIPAA  
24 documents, but the National Research Council document is  
25 not a HIPAA document.

1 used to detect malware and that there were times when  
2 the antivirus software was not functional.

3 I saw no evidence of firewall logs, but I saw  
4 some evidence that they were being reviewed and those  
5 reviews indicated that there were attempts to gain  
6 unauthorized access to LabMD's network.

7 But outside of firewall logs, firewall logs and  
8 antivirus software, I didn't see any other risk  
9 assessments until 2010, when the penetration test and  
10 vulnerability assessment was done by ProviDyn.

11 **Q. So in terms of risk assessment, LabMD had in**  
12 **place antivirus software; correct?**

13 A. Yes.

14 **Q. And in terms of risk assessment, LabMD had in**  
15 **place firewalls that logged penetration attempts?**

16 A. There was testimony that the logs were reviewed  
17 and the person reviewing them saw that there were  
18 attempts to penetrate the network.

19 **Q. Okay.**

20 A. So the firewall --

21 **Q. So they had this in place, but it wasn't good**  
22 **enough, in your opinion; correct?**

23 A. They had it in place. It wasn't sufficient to  
24 assess the risk within their system, as pointed out by  
25 the penetration test and the vulnerability assessment

1 **Q. Could you turn to page 24 of your report,**  
2 **please.**

3 **Are you there?**

4 A. Yes.

5 **Q. In paragraph 63, you indicate that complaint**  
6 **counsel asked you to provide an opinion as to whether**  
7 **LabMD used readily available measures to identify**  
8 **commonly known or reasonably foreseeable security risks**  
9 **and vulnerabilities on its network, which is often**  
10 **called "risk assessment" in the IT field.**

11 **Did I read that correctly?**

12 A. Yes.

13 **Q. And would you agree then -- can you go back to**  
14 **the complaint -- that that corresponds with the**  
15 **complaint, with subparagraph (b) of the complaint?**

16 A. Yes.

17 **Q. Okay. Now, in determining whether LabMD used**  
18 **readily available measures to identify commonly known or**  
19 **reasonably foreseeable security risks and**  
20 **vulnerabilities on its networks, what did you look at**  
21 **specifically?**

22 A. I -- I looked at the lack of information  
23 regarding risk assessment. There were no specific  
24 policies on risk assessment.

25 And what I saw was that antivirus software was

1 that was done by ProviDyn, which identified  
2 vulnerabilities that had been present in the network for  
3 years.

4 **Q. So you've indicated that the firewall logs**  
5 **indicated penetration attempts, and the ProviDyn**  
6 **penetration test indicated vulnerabilities; correct?**

7 A. Yes.

8 **Q. But what actually happened?**

9 A. There are no logs to determine what actually  
10 happened.

11 **Q. But this -- these could have happened, they were**  
12 **vulnerable to certain things that could have happened;**  
13 **right?**

14 A. They were vulnerable to things that could have  
15 happened, and given the risk level, it was -- there was  
16 a large probability that they -- those vulnerabilities  
17 could be exploited. And that's why they were rated with  
18 high risk.

19 **Q. I've finally figured out a way to make this**  
20 **easier for both of us.**

21 **Could you turn to page 16 of your report.**

22 A. Okay.

23 **Q. As we look at page 16 paragraph 45, you actually**  
24 **restate paragraph 10 and its subparagraphs of the**  
25 **complaint; correct?**

1 A. Yes.  
 2 **Q. And so moving down to the third bullet point,**  
 3 **which is subparagraph (c) of the complaint, it reads**  
 4 **"did not use adequate measures to prevent employees from**  
 5 **accessing personal information not needed to perform**  
 6 **their jobs."**  
 7 **Do you see that?**  
 8 A. Yes.  
 9 **Q. And that was one of the things that you were**  
 10 **asked to determine, and your finding was what?**  
 11 A. That they did not use adequate measures to  
 12 prevent employees from accessing personal information  
 13 not needed to do their jobs.  
 14 **Q. Let me go back. I forgot to ask you a couple of**  
 15 **questions. I apologize.**  
 16 A. Okay.  
 17 **Q. In establishing a comprehensive information**  
 18 **security program, how important is it for that to be in**  
 19 **writing?**  
 20 A. It's very important for it to be in writing.  
 21 **Q. Why?**  
 22 A. Because the -- having the policies and the  
 23 enforcement mechanisms that are to be used to enforce  
 24 those policies and your overall security guidelines in  
 25 writing, they provide a road map for the IT

1 **Q. So awareness through documentation.**  
 2 A. Awareness through documentation and knowledge.  
 3 So just being aware that there is a policy may  
 4 not be sufficient to understand what the policy is, what  
 5 it's supposed to protect, and how you're going to  
 6 enforce the policy.  
 7 **Q. It also assists, would you agree, in those who**  
 8 **would fall under the policy complying with that policy;**  
 9 **correct?**  
 10 A. Yes.  
 11 MR. SHERMAN: If I could have a moment,  
 12 Your Honor. I'm sorry.  
 13 (Pause in the proceedings.)  
 14 BY MR. SHERMAN:  
 15 **Q. So if we go back to page 16, subparagraph (c) of**  
 16 **paragraph 45, did not use adequate measures to prevent**  
 17 **employees from accessing personal information not needed**  
 18 **to perform their jobs; correct?**  
 19 A. Yes.  
 20 **Q. What did you review in order to make this**  
 21 **determination?**  
 22 A. I reviewed evidence that -- that allowed me to  
 23 determine that LabMD maintained approximately a hundred  
 24 thousand records for individuals for which they never  
 25 provided a service to. That was one thing that I

1 professionals that are to -- that are responsible for  
 2 implementing that program. They also provide training  
 3 in a sense about the process that was used to create  
 4 that plan.  
 5 And it's also important to have it in writing  
 6 because there's -- turnover will occur, and this  
 7 provides the history of how the infrastructure was  
 8 protected, and so it provides guidance to those  
 9 individuals who will be employed in that position and be  
 10 responsible for maintaining that.  
 11 And another reason would be is that threats are  
 12 emerging. There are new threats every day. And you  
 13 need to understand what you're currently doing in order  
 14 to determine how you would need to evolve your current  
 15 plan to address the new vulnerabilities.  
 16 **Q. So having it in writing provides awareness?**  
 17 A. Yes.  
 18 **Q. Not only of the IT professional but for the**  
 19 **employees; is that right?**  
 20 A. Yes.  
 21 **Q. And so being aware of the policy is important;**  
 22 **correct?**  
 23 A. Being aware of the policy is important, and it's  
 24 beyond awareness because there needs to be documentation  
 25 for all of these, all of these reasons.

1 reviewed. And also evidence that LabMD was unable to  
 2 determine exactly what types of information that their  
 3 employees needed in order to do their jobs, so without  
 4 that determination, you can't limit or restrict access.  
 5 **Q. Did you review deposition testimony?**  
 6 A. Yes, I did also.  
 7 **Q. Okay. Simmons page 58.**  
 8 **Let's go to Hyer page 139.**  
 9 **I apologize, Your Honor.**  
 10 **(Pause in the proceedings.)**  
 11 **Professor Hill, do you recall reviewing the**  
 12 **deposition testimony of Mr. Christopher Maire?**  
 13 A. Yes.  
 14 **Q. And is it fair to say that Christopher Maire was**  
 15 **an IT employee at LabMD during the relevant period of**  
 16 **time?**  
 17 A. Yes.  
 18 **Q. And what I've pulled up is page 81 of**  
 19 **Mr. Maire's testimony.**  
 20 MS. LASSACK: I want to clarify that exhibit  
 21 number showing that what's on the screen is what it  
 22 purports to be.  
 23 MR. SHERMAN: There's an exhibit number on  
 24 the --  
 25 MS. LASSACK: I'm unable to see on the screen,

1 Your Honor.  
 2 MR. SHERMAN: That's why I was going for the  
 3 exhibit number, because I can't see it either.  
 4 BY MR. SHERMAN:  
 5 **Q. Well, you do recall reviewing the testimony of**  
 6 **Christopher Maire; is that correct?**  
 7 A. Yes.  
 8 **Q. And up on the screen is page -- I'll represent**  
 9 **to you currently that up on the screen is page 81 of**  
 10 **that deposition testimony.**  
 11 **Can you read that testimony, please.**  
 12 **I'm sorry. You can see it from where you are;**  
 13 **is that correct?**  
 14 A. I can see it, yes.  
 15 **Q. Okay.**  
 16 A. If you could enlarge it just -- if it's  
 17 possible. If not, I -- thank you.  
 18 **Q. And I'm referring specifically to page -- I'm**  
 19 **sorry -- line 18, which says, "To your knowledge, did**  
 20 **LabMD employees have access to information that they did**  
 21 **not need to do their jobs?"**  
 22 **The witness said, "Not to my knowledge."**  
 23 **Correct?**  
 24 A. Yes, that's what it says.  
 25 **Q. Okay. And if we go on to page 108...**

1 **(Pause in the proceedings.)**  
 2 **Your Honor, could we take a break?**  
 3 JUDGE CHAPPELL: Okay. We're going to take a  
 4 break, but I expect you to get these -- I don't know  
 5 what we're calling these. I don't know if it's not  
 6 being prepared or not having things together, but I  
 7 expect this to be taken care of during the break.  
 8 MR. SHERMAN: I understand, Your Honor.  
 9 JUDGE CHAPPELL: Because I've been very lenient  
 10 letting this go on all morning off and on, so let's get  
 11 it together.  
 12 MR. SHERMAN: Yes, sir. Thank you, Your Honor.  
 13 JUDGE CHAPPELL: It will be a moment before we  
 14 take a break.  
 15 (Pause in the proceedings.)  
 16 We're going to reconvene at 11:20.  
 17 We're in recess.  
 18 (Recess)  
 19 JUDGE CHAPPELL: Back on the record.  
 20 MR. SHERMAN: Thank you, Your Honor.  
 21 JUDGE CHAPPELL: Just a note on the courtroom  
 22 environment. You might think it's chilly in here. For  
 23 one thing, it keeps people awake and frosty. The other  
 24 thing, when it's 90 degrees outside, it won't feel like  
 25 this in here. We just kind of leave it set the way it's

1 set. That's how we survive when it's really hot  
 2 outside.  
 3 I want to talk about some witness scheduling  
 4 before you get back into the questioning.  
 5 We talked yesterday about going late on Friday,  
 6 and I thought I heard that Mr. -- that the witness  
 7 Van Dyke was going to be Friday.  
 8 Has there been a change? Is it now going to be  
 9 someone named Shields?  
 10 MR. SHEER: Your Honor, it may be  
 11 Professor Clay Shields from the computer science  
 12 department at Georgetown University, but there also is  
 13 the Dean Johnson, who is available on Friday and is  
 14 going to be presented by the respondent.  
 15 JUDGE CHAPPELL: Right. That's the witness out  
 16 of order.  
 17 MR. SHERMAN: That's correct, Your Honor.  
 18 JUDGE CHAPPELL: But I --  
 19 MR. SHERMAN: It's also my understanding that  
 20 Mr. Shields is a rebuttal witness. I mean, he gave a  
 21 rebuttal report to our expert witness report. And I  
 22 don't pretend to know the procedure to that extent, but  
 23 it seems to me that he's being called somewhat  
 24 prematurely before our expert has an opportunity to  
 25 testify.

1 JUDGE CHAPPELL: So are you going to object to  
 2 them calling him before?  
 3 MR. SHERMAN: I would.  
 4 JUDGE CHAPPELL: All right. I would suggest  
 5 that you two work on that.  
 6 For your purposes as respondent, he has to keep  
 7 to what's in his report. As far as I'm concerned, I  
 8 don't care if he's here the first day or the last day.  
 9 But the rule in this court is, if you are an expert, you  
 10 have to have a report, and that report is it. You don't  
 11 go beyond that.  
 12 MR. SHERMAN: If that's the case, Your Honor, I  
 13 will withdraw any objection I would have to calling  
 14 Mr. Shields.  
 15 Do you intend to call him Friday?  
 16 MR. SHEER: We do.  
 17 JUDGE CHAPPELL: My concern was it was going to  
 18 be unrealistic to finish Mr. Johnson on Friday, because  
 19 even though we'll go late, I'm not going to require  
 20 everyone required to keep the court going beyond  
 21 7:00 p.m. That's the outside limit, is 7:00 p.m.  
 22 MR. SHERMAN: My examination of Mr. Johnson I do  
 23 not imagine will be longer than a couple of hours, if  
 24 that.  
 25 JUDGE CHAPPELL: All right. The only reason I

1 brought it up is, I want to have whoever you're  
 2 scheduling for Friday, I want him here in the event they  
 3 can start Thursday. And if we -- you know, if your  
 4 witness finishes at 4:30 Thursday, that next witness  
 5 needs to be here, so we can get started on it. That  
 6 way, we have some hope of finishing everything that we  
 7 plan to by Friday.  
 8 MR. SHEER: Understood, Your Honor.  
 9 MR. SHERMAN: So Van Dyke is not coming?  
 10 MR. SHEER: He is coming.  
 11 MR. SHERMAN: Is he coming Friday?  
 12 MR. SHEER: I don't think he's coming Friday. I  
 13 think he's coming -- we'll talk during the break.  
 14 JUDGE CHAPPELL: Do you need to have a  
 15 discussion again?  
 16 MR. SHERMAN: Not right now, Your Honor. I'm  
 17 sure we can do it on the break.  
 18 JUDGE CHAPPELL: The other thing I wanted to  
 19 mention is, regarding experts, I just want to make  
 20 clear what I expect.  
 21 When you call an expert witness -- this goes  
 22 for everyone -- feel free to go over the basics, where  
 23 they went to school, you know, their training, their --  
 24 what job they're doing, their educational background,  
 25 but unless it's relevant to the opinions, I really don't

1 **information needed to perform their jobs, when we took a**  
 2 **break.**  
 3 **Are you there?**  
 4 A. One moment, please.  
 5 Yes.  
 6 **Q. And I believe it's your testimony -- I want to**  
 7 **clarify it before we go further -- that the reason why**  
 8 **you concluded that LabMD did not use adequate measures**  
 9 **to prevent employees from accessing personal information**  
 10 **not needed to perform their jobs was because, in**  
 11 **response to an interrogatory request that you reviewed,**  
 12 **LabMD was not able to specifically name for the relevant**  
 13 **period each employee and what access that employee had**  
 14 **to information on LabMD's network.**  
 15 A. I didn't specify each employee, but I think that  
 16 there are different types of employees at LabMD, and --  
 17 and LabMD was not able to specify the types of  
 18 information that those employees had access to. That  
 19 was one reason for my opinion.  
 20 And the second was that there was information  
 21 that LabMD maintained about individuals for which they  
 22 had never provided services for.  
 23 **Q. Okay. Did you review deposition testimony in**  
 24 **formulating your opinion on this particular issue?**  
 25 A. Yes.

1 need you going into, like I said yesterday, CVs,  
 2 dissertations, areas that are in the past. I'm  
 3 expecting that's in the record as a CV.  
 4 If you think you have a need to do that -- and  
 5 I'm telling you that while you still have a witness  
 6 here -- if you think you want to put that in the record,  
 7 go ahead. I don't see a need for it. Like I say, the  
 8 CV is in the record, so that should be covered.  
 9 But I expect you to call them, I expect you to  
 10 go into where they work now, where they have worked and  
 11 their educational background, and beyond that, I don't  
 12 really need to hear it. I believe that anything I need  
 13 to look at in the qualifications will be in a CV that  
 14 will be in the record as an exhibit.  
 15 But I'm not telling you exactly what to do or  
 16 not do. I'm just telling you what I expect.  
 17 Any questions on that?  
 18 MR. SHERMAN: No, sir.  
 19 MR. SHEER: No, Your Honor.  
 20 JUDGE CHAPPELL: All right. Thank you.  
 21 Go ahead.  
 22 BY MR. SHERMAN:  
 23 **Q. Professor Hill, we were discussing**  
 24 **page 16 subparagraph (c), did not use adequate measures**  
 25 **to prevent employees from accessing personal**

1 **Q. And do you recall reviewing the testimony of one**  
 2 **Christopher Maire?**  
 3 A. Yes.  
 4 **Q. Okay. And on the screen I'll submit that this**  
 5 **is Exhibit CX 724, an excerpt of Christopher Maire's**  
 6 **testimony at page 106.**  
 7 **Do you see that on the screen?**  
 8 A. Yes, I do.  
 9 **Q. I would actually ask you to look at**  
 10 **page 108 down at the bottom, where it says:**  
 11 **"QUESTION: So is it fair and accurate to say**  
 12 **that Internet access for billing clerks at LabMD during**  
 13 **your tenure was limited to management-approved sites**  
 14 **from which they could gather information concerning**  
 15 **billing which would help them do their jobs?**  
 16 **"ANSWER: Yes."**  
 17 **Did I read that correctly?**  
 18 A. Yes, you did.  
 19 JUDGE CHAPPELL: May I suggest, so the record is  
 20 clear, could you have the witness identify who Mr. Maire  
 21 is, what his position was.  
 22 MR. SHERMAN: If she can recall, Your Honor.  
 23 BY MR. SHERMAN:  
 24 **Q. Do you recall whether or not Mr. Maire was an**  
 25 **IT employee at LabMD?**

1 A. Yes. He was an IT employee.  
 2 **Q. And if you turn to page 109, at line 18 -- I'm**  
 3 **sorry -- line 16:**  
 4 **"QUESTION: And did the managers in the billing**  
 5 **department have access to the Internet?**  
 6 **"ANSWER: Yes.**  
 7 **"QUESTION: And that access was unlimited?**  
 8 **"ANSWER: Correct.**  
 9 **"QUESTION: Did the employees in the LabMD**  
 10 **billing department have access to information concerning**  
 11 **lab results?**  
 12 **"ANSWER: Particular results, I'm not sure.**  
 13 **However, they did have access to know what to bill for.**  
 14 **"QUESTION: I see.**  
 15 **"Was the information which they, meaning the**  
 16 **persons in the billing department, had access to with**  
 17 **regard to information, was that limited?**  
 18 **"ANSWER: Repeat the question. I'm sorry."**  
 19 **The question was repeated.**  
 20 **"QUESTION: In terms of the information that the**  
 21 **employees in the billing department had with regard to**  
 22 **information from the lab side of the business, was that**  
 23 **access limited?**  
 24 **"ANSWER: Yes.**  
 25 **"QUESTION: How was that access limited?**

1 **"ANSWER: They were not given permission to,**  
 2 **say, the actual lab results and that software. The**  
 3 **results should have -- should not have resided anywhere**  
 4 **else other than in the database and the laboratory**  
 5 **software where it resided."**  
 6 **Am I reading that correctly?**  
 7 A. Yes.  
 8 **Q. Did you consider this testimony when you**  
 9 **formulated your opinion with regard to whether certain**  
 10 **employees at LabMD had limited access in order to**  
 11 **perform their jobs?**  
 12 A. I considered this testimony. And I also  
 13 considered other testimony from transcripts that also  
 14 stated that in addition to information from the billing  
 15 software that they also had access from information from  
 16 the overall database that contained lab-related  
 17 information.  
 18 So I considered this testimony and testimony  
 19 from other IT staff.  
 20 **Q. Was it your understanding that the billing**  
 21 **department employees needed access to information from**  
 22 **the lab side of the business in order to complete their**  
 23 **billing functions and to determine what insurance**  
 24 **billing codes needed to be used for the tests that were**  
 25 **performed?**

1 A. It is my understanding that they needed  
 2 information to do their job. Specifically what that  
 3 information is, I'm not -- I can't make a statement  
 4 about that.  
 5 But I feel that employees should have access to  
 6 whatever information that they need in order to do their  
 7 jobs, but the organization should be able to specify  
 8 what that information is.  
 9 And I apologize. My voice is -- is leaving a  
 10 little bit, so...  
 11 **Q. Do you have water, coffee or something?**  
 12 A. Yes. I have some hot water here.  
 13 **Q. If you look on page 112 of the same exhibit,**  
 14 **line 5:**  
 15 **"QUESTION: So is it fair then to say that**  
 16 **employees in the billing department did not have access**  
 17 **to information from the sales department?**  
 18 **"ANSWER: I would say that's a fair**  
 19 **assumption."**  
 20 **You reviewed this testimony, and your general**  
 21 **overall opinion remained the same; is that correct?**  
 22 A. Yes.  
 23 **Q. Same page, line 19 -- I'm sorry. Page 6 -- I'm**  
 24 **sorry -- line 13:**  
 25 **"QUESTION: Was it also true that sales could**

1 **not access billing information?**  
 2 **"ANSWER: That is correct.**  
 3 **"QUESTION: Is it also true that persons**  
 4 **involved in sales could not access laboratory**  
 5 **information?**  
 6 **"ANSWER: That is correct.**  
 7 **"QUESTION: Is it also your understanding based**  
 8 **on your involvement at LabMD that persons employed in**  
 9 **the laboratory department did not have access to sales**  
 10 **information?**  
 11 **"ANSWER: Correct."**  
 12 **Did you review this testimony prior to coming to**  
 13 **your conclusion?**  
 14 A. I reviewed this testimony. But there was no  
 15 evidence in the record of how the statements that are  
 16 made by Mr. Maire were actually enforced. There were no  
 17 specific access control policies that were stated.  
 18 **Q. There were no specific access control policies**  
 19 **in writing; is that correct?**  
 20 A. There were no specific access control policies  
 21 or specific statements about what those policies were.  
 22 **Q. So despite Mr. Maire's understanding that it was**  
 23 **true that persons involved in sales could not access**  
 24 **laboratory information, because that information was not**  
 25 **in writing or there was no stated policy, you concluded**

1 **that that's not true?**

2 A. I couldn't draw a conclusion about what  
3 information employees had access to because there was  
4 very specific statements that they had access to various  
5 levels of information.

6 He's stating that billings people may have  
7 access to some information, that salespeople have access  
8 to others. It is my understanding that salespeople did  
9 not have access to specific consumer personal  
10 information. And from the record -- and that is stated  
11 not only in Maire's testimony but in other testimony, so  
12 I'm not concerned about salespeople. That didn't impact  
13 my opinion about limiting access to personal  
14 information. It is my understanding that they didn't  
15 have access, the salespeople didn't.

16 **Q. Okay. The same page, 112, down at the bottom:**

17 **"QUESTION: Is it also your understanding that**  
18 **persons involved in the laboratory department did not**  
19 **have access" -- and we go to the next page, 113 -- "to**  
20 **information in the billing department?**

21 **"ANSWER: Correct."**

22 **So while the people in the sales department**  
23 **didn't have access to personal information, correct, you**  
24 **accepted that based on the testimony that you reviewed;**  
25 **correct?**

1 **to the same personal information that you found then**  
2 **that the access was not limited?**

3 A. No. That's not what I'm stating.

4 **Q. Can I ask you another question before you**  
5 **explain?**

6 A. Yes.

7 **Q. So it clearly states here that the people in the**  
8 **laboratory department did not have access to information**  
9 **in the billing department; correct?**

10 A. Yes.

11 **Q. And I'm trying to figure out what your**  
12 **contention is that the access to information was not**  
13 **adequately limited as it relates to those two**  
14 **departments.**

15 A. What my statement is regarding to limitation is  
16 that within the record there is no specification of what  
17 an employee -- the types of information that an employee  
18 would need in order to perform his or her job. And  
19 because that is not specified, then you will not be able  
20 to limit access. That's what I am stating about the  
21 inability of LabMD to restrict access.

22 **Q. Is your testimony, the answer you just gave,**  
23 **that there's nothing in the record that indicates that**  
24 **limited access from the laboratory department to the**  
25 **billing department information is not in writing, and**

1 A. Yes.

2 **Q. Did you accept the fact, based on the testimony**  
3 **that you reviewed, that persons involved in the**  
4 **laboratory department did not have access to information**  
5 **in the billing department?**

6 A. With regards to the people in the laboratory  
7 department and what information that they had access to,  
8 I think that there is testimony that there's some  
9 overlap in the information that the two groups had  
10 access to.

11 So I think that there would need to be some  
12 overlap because the people in the laboratory would need  
13 access to the individual, the test that needed to be  
14 performed, and so would the billings people.

15 So I don't think that this testimony accurately  
16 reflects that overlap because it says that people in the  
17 laboratory department does not have access to  
18 information that people in the billings department have  
19 access to. I'm not sure that that's an accurate  
20 statement.

21 **Q. Well, let me put it this way. And I could take**  
22 **your answer a couple of ways.**

23 **Are you saying that because the people in the**  
24 **billing department had access to personal information**  
25 **and the people in the laboratory department had access**

1 **that's why you believe that there is inadequate proof**  
2 **that there was limited access?**

3 A. My statement is not specific to limitations  
4 between the billings department and the laboratory  
5 department. My testimony is specific to whether LabMD  
6 can specify the types of information that either  
7 department has access to.

8 So if you -- if you're not exactly sure what  
9 types of information that is required to perform a job  
10 or a task, then you can't limit, and that's what I'm  
11 saying.

12 I'm not saying -- so whatever information is  
13 needed, that's what's needed to do the job, so I'm not  
14 saying that laboratory professionals should not have  
15 access to information that billings professionals have  
16 access to. That's not what I'm trying to say.

17 I'm just saying that if a job is to be  
18 performed, that the organization should know what  
19 information is needed to perform that job. And that --  
20 having that understanding will allow them to put  
21 mechanisms in place that will limit that access. That's  
22 the only thing that I'm saying.

23 I'm not trying to specify the requirements of  
24 information access for the organization and for the  
25 employees.

1 Q. And so it goes back to LabMD's inability to  
2 specify, in response to an interrogatory request, what  
3 employees had specific access to what information; is  
4 that right?

5 A. Yes.  
6 JUDGE CHAPPELL: Did you mean interrogatory  
7 response?

8 MR. SHERMAN: Excuse me?  
9 JUDGE CHAPPELL: Did you mean interrogatory  
10 response?

11 MR. SHERMAN: Yes.  
12 BY MR. SHERMAN:

13 Q. I would draw your attention to --  
14 JUDGE CHAPPELL: I need to make sure the record  
15 is clear with the witness. His question said  
16 "interrogatory request."

17 Did you take it to mean a request or a response  
18 by respondents?

19 THE WITNESS: I took it to mean the response.

20 JUDGE CHAPPELL: Thank you.

21 MR. SHERMAN: Thank you, Your Honor.

22 BY MR. SHERMAN:

23 Q. I'll draw your attention to what's on the screen  
24 and submit to you that that is CX 719, which is the  
25 testimony of Mr. Robert Hyer.

1 A. Yes.

2 Q. Did you review this testimony and consider it  
3 before formulating your opinion with regard to whether  
4 or not LabMD employees had limited access to information  
5 only necessary to perform their jobs?

6 A. Yes, I did.

7 Q. And again, it did not outweigh the reason why  
8 you reached your conclusion, which was that LabMD could  
9 not specify what information certain employees had  
10 access to; correct?

11 A. In addition to the fact that they could not  
12 specify, I also used other testimony by IT staff which  
13 stated that employees within the billings department was  
14 given information that was taken from the overall  
15 database that included lab results in order to perform  
16 their jobs, so it contradicts this testimony by Mr. Hyer  
17 that -- I'm assuming when he says "financial employees,"  
18 he's referring to the billing employees, and so  
19 individuals within the billings department were given  
20 information about information that was generated from  
21 the lab testing department, and so there is testimony  
22 that actually states this.

23 Now, I'm not saying that that should not occur,  
24 because I'm not aware of what information is needed to  
25 perform that particular job.

1 Do you recall reviewing testimony of  
2 Mr. Robert Hyer?

3 A. Yes.

4 Q. Do you recall as to whether or not Mr. Hyer was  
5 also an IT professional who was hired to work for  
6 LabMD?

7 A. Yes.

8 Q. And you confirm that he was according to your  
9 understanding; correct?

10 A. Yes.

11 Q. If you look at the bottom of page 138, starting  
12 at line 22, it reads:

13 "QUESTION: And so following up on that, was it  
14 your understanding, based on the way that you  
15 configured the servers in the network, that the lab  
16 employees could not access the finance information and  
17 the financial employees could not access the lab  
18 information?"

19 There was an objection interposed there.

20 The answer by the witness: "That -- that was  
21 the case before they moved because there were separate  
22 servers in separate locations. When they were put  
23 together, that separation was a -- an access separation,  
24 but it was just as effective."

25 Did I read that correctly?

1 So there's a contradiction here, so were they  
2 never given access, were they given access, the  
3 testimony contradicts. The testimony from Mr. Hyer and  
4 some of the other testimony that I reviewed basically  
5 contradicts, so which then supports the response to the  
6 interrogatory request that states that they were given  
7 various levels of access to various information.

8 Q. So if it were the case that lab employees  
9 needed -- strike that.

10 If it were the case that billing employees  
11 needed information from the lab in order to accurately  
12 bill the insurance company for the test performed, you  
13 would not have a problem with those billing employees  
14 having that access; correct?

15 A. No. I would not have a problem with an employee  
16 having access to the information that they needed to do  
17 their jobs.

18 So there are types of information which looks at  
19 specific attributes of the record, and then there is  
20 also the amount, the number of records, that an  
21 individual would have access to.

22 So if they needed access to all of the  
23 attributes within a record to do their jobs, that's what  
24 they need. And then an appropriate way to then limit  
25 access in that scenario would be to limit the number of

1 records that they have access to.  
 2 So there are various ways to limit access.  
 3 **Q. I want to turn now to page 36 of your report.**  
 4 **Are you there?**  
 5 A. Yes.  
 6 **Q. If we look at subparagraph -- well, it's**  
 7 **paragraph (c) on that page. It says, "Firewalls were**  
 8 **disabled on servers that contained**  
 9 **Personal Information."**  
 10 **Do you see that?**  
 11 A. Yes.  
 12 **Q. And the footnote is footnote 34, and it refers**  
 13 **to the investigational hearing transcript and testimony**  
 14 **of Curt Kaloustian.**  
 15 **Do you see that?**  
 16 A. Yes.  
 17 **Q. Do you recall that you reviewed the testimony**  
 18 **of Mr. Kaloustian in formulating your opinion in this**  
 19 **case?**  
 20 A. Yes.  
 21 **Q. And for the proposition that firewalls were**  
 22 **disabled on servers that contained personal**  
 23 **information, you cite only to Mr. Kaloustian; is that**  
 24 **right?**  
 25 A. Yes.

1 testimony.  
 2 JUDGE CHAPPELL: Okay. You're talking and  
 3 correcting the source of it but not the question or  
 4 answer.  
 5 MR. SHERMAN: That's correct.  
 6 JUDGE CHAPPELL: All right. That's fine.  
 7 BY MR. SHERMAN:  
 8 **Q. Also on page 36 of your report, Professor Hill,**  
 9 **paragraph (a) indicates that penetration testing was**  
 10 **never done.**  
 11 **Do you see that?**  
 12 A. Yes.  
 13 **Q. And once again you cite only to Mr. Kaloustian's**  
 14 **investigative hearing transcript; correct?**  
 15 A. Yes.  
 16 **Q. Now, that's not exactly true; correct? I mean,**  
 17 **we've testified about penetration testing being done in**  
 18 **2010.**  
 19 A. Yes, that's not true --  
 20 **Q. Well --**  
 21 A. -- for the -- for all -- for the full relevant  
 22 time period. Penetration testing was done in 2010.  
 23 And so I cite Mr. Kaloustian's testimony on that  
 24 and with regards to the firewalls because if we look at  
 25 the coverage for IT professionals, there were two main

1 **Q. Were there any other LabMD IT employees that**  
 2 **supported this notion that firewall servers -- I'm**  
 3 **sorry -- that servers that contained personal**  
 4 **information had the firewalls disabled?**  
 5 A. I -- I don't recall. I -- I cannot cite a  
 6 specific individual.  
 7 **Q. Right.**  
 8 **Do you recall if there were any?**  
 9 A. I recall reviewing transcripts that stated that  
 10 firewalls were disabled on servers, but I don't recall  
 11 if there were multiple. There could have been, but I  
 12 can't state exactly.  
 13 **Q. And so the only support that you can exactly**  
 14 **state for this proposition is from Mr. Kaloustian whose**  
 15 **deposition you reviewed in formulating your opinion.**  
 16 A. For this particular instance, at this moment,  
 17 yes, that's the only -- that's the one that I cited.  
 18 **Q. Okay.**  
 19 MR. SHEER: Your Honor, may I approach the  
 20 witness with cough drops?  
 21 JUDGE CHAPPELL: Sure.  
 22 MR. SHERMAN: Your Honor, I want to correct  
 23 something for the record. I referred to  
 24 Mr. Kaloustian's testimony as deposition testimony when  
 25 in fact it's civil investigative demand hearing

1 IT professionals during the time period that  
 2 Mr. Kaloustian was there. There was Ms. Alison Simmons  
 3 and Mr. Kaloustian.  
 4 And I think that Ms. Alison Simmons' testimony  
 5 about her responsibilities related more to database  
 6 maintenance, and Mr. Kaloustian was responsible for  
 7 firewalls.  
 8 And so if you look at that testimony during  
 9 that time period, you would either cite Mrs. Simmons or  
 10 Mr. Kaloustian and possibly Mr. Maire as it relates to  
 11 penetration testing, firewall usage and the use of those  
 12 technical measures.  
 13 So within that time period, those are the three  
 14 individuals that you would look at.  
 15 MS. LASSACK: Your Honor, before we go to -- I'd  
 16 like to lodge an objection to clarify the record for  
 17 counsel's prior question.  
 18 Counsel quoted a subparagraph in  
 19 Professor Hill's report in paragraph 91, but the prior  
 20 sentence leading up to that --  
 21 JUDGE CHAPPELL: Hold on a second. That's what  
 22 redirect is for.  
 23 That objection is overruled.  
 24 If you're saying he misstated something, that's  
 25 one thing, but if you're trying to bring in something

1 else in the report, that's for redirect.  
 2 MS. LASSACK: Your Honor, I was saying that the  
 3 question was misstated because it was out of context.  
 4 JUDGE CHAPPELL: "Out of context" is a subject  
 5 for redirect. If he read it wrong, then we'll clarify  
 6 that.  
 7 BY MR. SHERMAN:  
 8 **Q. So you indicated that Mr. Maire was a LabMD**  
 9 **employee during the tenure of Mr. Kaloustian, to your**  
 10 **understanding?**  
 11 A. Yes.  
 12 **Q. Okay. And Ms. Simmons was a -- was also an IT**  
 13 **employee during Mr. Kaloustian's tenure?**  
 14 A. Yes.  
 15 **Q. All right. Can we go to Ms. Simmons'**  
 16 **testimony.**  
 17 **I would direct your attention to CX 730, which**  
 18 **is on the screen, and I will submit to you that that is**  
 19 **a portion of Alison Simmons' deposition transcript,**  
 20 **which you indicated that she was a contemporary of**  
 21 **Mr. Kaloustian; correct?**  
 22 A. Yes.  
 23 **Q. And was it your understanding that**  
 24 **Ms. Simmons -- well, whether or not Ms. Simmons had some**  
 25 **responsibility for maintaining firewalls?**

1 **"ANSWER: That program wasn't supposed to be on**  
 2 **the computer.**  
 3 **"QUESTION: But were there any measures in place**  
 4 **that would have prevented the sharing from that**  
 5 **computer?"**  
 6 **I'm sorry. I didn't say "question" and**  
 7 **"answer."**  
 8 **And what we're talking about here I submit to**  
 9 **you is the peer-to-peer sharing.**  
 10 A. Okay. And excuse me. Can you tell me which  
 11 page and which line you're reading from.  
 12 **Q. I'm sorry. I was reading from page 13.**  
 13 A. Okay.  
 14 **Q. And there was a question -- I'm sorry. Let's go**  
 15 **to page 14.**  
 16 **Do you recall Ms. Simmons testifying with regard**  
 17 **to what occurred after the LimeWire peer-to-peer**  
 18 **file-sharing application was found on the computer?**  
 19 A. Do I recall --  
 20 **Q. Do you recall what her testimony said about**  
 21 **that?**  
 22 A. I would have to review her testimony to state it  
 23 specifically.  
 24 **Q. All right. So do you recall whether or not**  
 25 **there was a search done by LabMD for LimeWire**

1 A. Can you repeat the question.  
 2 **Q. Is it your understanding as to whether or not**  
 3 **Ms. Simmons had some responsibility for maintaining the**  
 4 **firewalls at LabMD?**  
 5 A. I'm not exactly sure that she had  
 6 responsibility. She may have shared some with  
 7 Mr. Kaloustian. I'm not sure.  
 8 **Q. Do you know whether or not Ms. Simmons was aware**  
 9 **of the functionality of the firewalls at LabMD?**  
 10 A. I'm not sure if she was aware of the  
 11 functionality.  
 12 **Q. Do you know what an HL7 is?**  
 13 A. I think that an HL7 is a specification for  
 14 data, I think.  
 15 **Q. Do you know whether or not LabMD had an HL7 in**  
 16 **place and operating on its system during the relevant**  
 17 **period of time?**  
 18 A. I think that they had an HL7 server. Yes.  
 19 **Q. And do you know what the HL7 server is for?**  
 20 A. No. I don't specifically know.  
 21 **Q. Okay. Could we turn to page 13 of Ms. Simmons'**  
 22 **deposition, please.**  
 23 **The line 5: "Was there anything -- were there**  
 24 **any security measures in place that would keep that**  
 25 **sharing from happening on LabMD's network?**

1 **applications on its computers?**  
 2 A. After the sharing had occurred, yes.  
 3 **Q. Well, you're assuming that sharing occurred; is**  
 4 **that right?**  
 5 A. Well, I think that that was part of your  
 6 question; right?  
 7 **Q. Well, not really.**  
 8 A. Oh, okay. So I'm sorry. Could you repeat your  
 9 question.  
 10 **Q. What they did after they found the LimeWire**  
 11 **program on one of their computers.**  
 12 A. I think that they removed the program after they  
 13 found it.  
 14 **Q. Exactly.**  
 15 **Now, if we could turn to page 155, same**  
 16 **testimony.**  
 17 **If we start at line 11:**  
 18 **"QUESTION: Could it have been because there had**  
 19 **been an intrusion?"**  
 20 **There was an objection interposed there.**  
 21 **Line 15:**  
 22 **"QUESTION: You know what a I mean by an**  
 23 **intrusion?**  
 24 **"ANSWER: Possibly, but I think unlikely because**  
 25 **I don't -- I think all of those servers were protected**

1 by a stronger firewall made to prevent that type of  
2 intrusion.

3 "And I don't think it would have had that type  
4 of effect. Like I don't think -- I mean this -- every  
5 single thing, it is like it had been just deleted, so I  
6 don't think this was the result of an intrusion."

7 Did I read that correctly?

8 A. Yes.

9 Q. Now, when we're talking about an intrusion,  
10 we're actually talking about something from the outside  
11 coming in; is that right?

12 A. Given the part of the testimony that you've just  
13 read --

14 Q. Yes.

15 A. -- I'm not exactly sure what specific intrusion  
16 that is being referenced here. But I would say that an  
17 intrusion is something that is coming from outside of a  
18 network, but I'm not sure what -- which intrusion you're  
19 referencing here.

20 Q. Okay. Did you find that in your review, in  
21 coming to your conclusion, that LabMD, once it found the  
22 presence of a file-sharing network -- I'm sorry -- a  
23 file-sharing application on one of its computers, took  
24 appropriate steps to eliminate that program from its  
25 computer?

1 intrusion because this is an unauthorized piece of  
2 software. It is not needed for the business function.  
3 And accessing business computers to download  
4 information, in making that request and communicating,  
5 that I would characterize that as an intrusion. It is  
6 not what the business expects to be occurring.

7 JUDGE CHAPPELL: Okay. Thank you.

8 BY MR. SHERMAN:

9 Q. So is it your testimony, Professor Hill, that  
10 any unauthorized downloading of software from the  
11 Internet is an intrusion?

12 A. It is my testimony that any unauthorized  
13 downloading of software presents an opportunity for an  
14 intrusion to happen.

15 Q. Okay. So just because the software was  
16 downloaded, that does not an intrusion make; correct?

17 A. That creates the risk and the opportunity for an  
18 intrusion.

19 Q. And so is it your understanding that or is it  
20 your opinion that because there was a LimeWire software  
21 downloaded on one computer at LabMD that there was an  
22 intrusion or there was just the possibility of an  
23 intrusion?

24 A. It is my opinion that there's a possibility of  
25 intrusion. As I've previously stated, there wasn't

1 A. I found that they removed it in May of 2008.  
2 Yes.

3 Q. And was that very close to the time at which  
4 they discovered it?

5 A. That was close to the time that they discovered  
6 it but two to three years after it was initially  
7 installed. Yes.

8 Q. Professor Hill, you've indicated in your  
9 testimony that having policies in writing is very  
10 important; correct?

11 A. Yes.

12 Q. And in coming to your conclusions in this, did  
13 you review LabMD Employee Handbooks?

14 A. Yes.

15 JUDGE CHAPPELL: Before you get to that, I have  
16 a question.

17 A few moments ago you were talking about an  
18 intrusion. I think you said yesterday that if someone  
19 downloads a peer-to-peer software product, that's like  
20 leaving an open door; correct?

21 THE WITNESS: Yes, sir.

22 JUDGE CHAPPELL: So therefore, if someone  
23 accesses the program that employee has downloaded, do  
24 you define that as an intrusion?

25 THE WITNESS: I would define that as an

1 evidence such as logs that logged the transfer of data  
2 that entered and left the LabMD's network for me to make  
3 a determination of how that piece of data left the  
4 network.

5 Q. Right.

6 JUDGE CHAPPELL: I just want to make sure I  
7 understand her opinion here.

8 So any unauthorized access of the network would  
9 be an intrusion?

10 THE WITNESS: Yes, sir.

11 JUDGE CHAPPELL: So an employee who downloaded  
12 the peer-to-peer software is I suppose a co-conspirator  
13 to the intruder?

14 THE WITNESS: I wouldn't characterize the  
15 person as a co-conspirator, because if they don't have  
16 an understanding of the consequences of their actions  
17 and -- and -- and what their actions are -- how their  
18 actions are going to affect the overall security, I  
19 wouldn't -- that's why I wouldn't characterize them as a  
20 co-conspirator.

21 But if they didn't download the software, it  
22 wouldn't present this opportunity. And also, if they  
23 didn't have the ability to download the software, they  
24 would not be able to.

25 So there are multiple parties that were

1 complicit to the downloading of this software, who  
 2 participated with regards to the downloading. Allowing  
 3 an employee the ability to do this and giving them that  
 4 amount of power, you know, allows this to happen.  
 5 JUDGE CHAPPELL: So if a company policy is that,  
 6 for example, you can't watch March Madness basketball on  
 7 the company computer, but somebody watches the first  
 8 quarter of a game, is that an intrusion?  
 9 THE WITNESS: If someone watches the first  
 10 quarter of a game, if -- an intrusion may occur if that  
 11 video file that they are downloading has some malicious  
 12 content embedded in it, and they may not know this.  
 13 JUDGE CHAPPELL: Okay. That's important.  
 14 Peer-to-peer then is not required. It's just, for  
 15 example, even a video that you're downloading.  
 16 THE WITNESS: Even a video that you're  
 17 downloading may contain some malicious content. That's  
 18 why it's always important to understand how your actions  
 19 may affect the network.  
 20 An individual may think that, oh, I'm just  
 21 watching a video. They don't think about the fact that  
 22 this video may have embedded malicious content.  
 23 So when you're doing things that do not adhere  
 24 to what is required to perform your job, you put that  
 25 infrastructure at risk.

1 **onto the desktop at LabMD, you do not consider that an**  
 2 **intrusion but a possibility, opening the possibility**  
 3 **that an intrusion may occur; correct?**  
 4 A. Yes. It opens up the possibility that an  
 5 intrusion may occur and not with regards to the LimeWire  
 6 application, not just with the use of the application,  
 7 but the software itself may have malicious components  
 8 embedded in it.  
 9 **Q. I think my last question was whether or not you**  
 10 **had looked at LabMD's Employee Handbook, and if -- we're**  
 11 **going to direct your attention to RX 71.**  
 12 **Would you like for us to enlarge that for you or**  
 13 **can you see it?**  
 14 A. Can you enlarge it slightly, please.  
 15 **Q. Can you enlarge it, please.**  
 16 A. Okay.  
 17 **Q. The part I want you to look at is Personal Mail,**  
 18 **E-Mail and Phone Calls.**  
 19 **Do you see that section?**  
 20 A. Yes, I do.  
 21 **Q. The second paragraph under that heading reads,**  
 22 **"Personal Internet or e-mail usage in the office is**  
 23 **prohibited. This policy stands at all times, even when**  
 24 **an employee is on a lunch period. Computers in the**  
 25 **office are property of LabMD and should only be used for**

1 JUDGE CHAPPELL: All right. So just so I'm  
 2 clear on your definition, a spam e-mail comes into the  
 3 company e-mail account. An employee opens it, but they  
 4 don't click on, let's say, the malicious attachment. Is  
 5 that an intrusion?  
 6 THE WITNESS: The intrusion -- the spam e-mail  
 7 presents an opportunity for an intrusion to occur. If  
 8 they don't click on the malicious content, then that  
 9 risk is not executed. That risk of an intrusion does  
 10 not occur.  
 11 JUDGE CHAPPELL: So am I correct then that your  
 12 opinion would be, any time there's Internet access,  
 13 there's the possibility of intrusion?  
 14 THE WITNESS: Any time that there's Internet  
 15 access, there is a possibility of an intrusion.  
 16 JUDGE CHAPPELL: Or even e-mail, outside  
 17 e-mail.  
 18 THE WITNESS: Outside e-mail.  
 19 And so that's why you want to have policies in  
 20 place and enforcement mechanisms to limit what an  
 21 employee can do.  
 22 JUDGE CHAPPELL: Okay. Thank you.  
 23 BY MR. SHERMAN:  
 24 **Q. I think I may have asked this, but I want to**  
 25 **make sure it's clear, that the downloading of LimeWire**

1 **company-related reasons."**  
 2 **Did I read that correctly?**  
 3 A. Yes.  
 4 **Q. Is this one of the -- if you look down at the**  
 5 **bottom also of the page -- can we scroll to the**  
 6 **bottom -- it says "revised June 2004."**  
 7 **Do you see that?**  
 8 A. Yes.  
 9 **Q. Is this one of the LabMD handbooks that you**  
 10 **reviewed?**  
 11 A. Yes.  
 12 **Q. Okay. Now, Professor Hill, do you consider**  
 13 **what's written in the handbook here to be policies of**  
 14 **the company?**  
 15 A. I consider this to be a policy.  
 16 **Q. Okay. And so you would agree then that, at**  
 17 **least according to this, as early as 2004 that there was**  
 18 **a policy at LabMD that prohibited Internet use and**  
 19 **e-mail uses for personal reasons; is that correct?**  
 20 A. Yes.  
 21 **Q. You would also agree that there was a policy**  
 22 **that computers in the office were property of LabMD and**  
 23 **that they should only be used for company-related**  
 24 **reasons; correct?**  
 25 A. Yes.

1 **Q. Okay. You would also agree then that this would**  
 2 **affect in fact security, the data security of the**  
 3 **company, if this policy were followed, it would in fact**  
 4 **have an impact on data security for the company;**  
 5 **correct?**

6 A. What I can say about this particular policy,  
 7 that as it is written, it is not sufficient to satisfy  
 8 a security goal because there's no discussion or  
 9 presentation of how this policy would actually satisfy  
 10 a specific security goal and what goal is to be  
 11 satisfied.

12 So there is no link to the overall security  
 13 goal, so an employee doesn't understand the  
 14 consequences that violating this policy would have on  
 15 security.

16 So as I've previously stated, when defining  
 17 policies for a comprehensive security plan, you have to  
 18 link your security goals to the policy, so -- and the  
 19 policy then to the mechanisms that would enforce that.

20 And so in the -- with this presentation of it  
 21 in an employee handbook, this would not be sufficient  
 22 to communicate a security policy for employees. This  
 23 would sufficiently communicate a business policy. But  
 24 an individual doesn't -- wouldn't necessarily understand  
 25 the security implications of violating this policy, so I

1 A. As I have previously stated, it communicates a  
 2 consequence, but not the consequences and the  
 3 implications of how a violation would affect the overall  
 4 security of the organization's computing infrastructure  
 5 and the data that's maintained within that  
 6 infrastructure.

7 **Q. Let's turn to page 9 of this same document.**  
 8 **There's a heading on that page called Security.**  
 9 **Would you enlarge that.**

10 **Do you see that, Professor Hill?**

11 A. Yes, I do.

12 **Q. Under Security, it reads, "When LabMD facilities**  
 13 **are equipped with electronic security systems, access to**  
 14 **the buildings before and after normal working hours may**  
 15 **be achieved on a limited basis only. Should you be**  
 16 **required to work during hours other than normal working**  
 17 **hours, you must call someone who will allow you access**  
 18 **or make arrangements in advance of hours needing**  
 19 **access."**

20 **Would you consider this as beneficial in terms**  
 21 **of securing a company's data, in terms of securing a**  
 22 **company's information, to have this type of security**  
 23 **policy in place?**

24 A. Yes. This follows the principle of physical  
 25 security that I provided as a part of a comprehensive

1 can't say that this policy would protect data, because  
 2 you need that overall connection between the goals that  
 3 are to achieve and an explanation to the employees about  
 4 that.

5 **Q. If the policy were followed to the letter with**  
 6 **regard to Internet and e-mail usage, would that have a**  
 7 **positive impact on the data security of the company?**

8 A. Yes. If this policy was followed and there were  
 9 no violations, it would have a positive impact.

10 **Q. Do you consider the fact that -- and we can skip**  
 11 **down to the paragraph two paragraphs below that, where**  
 12 **it reads, "You will be reprimanded for failure to comply**  
 13 **with this policy."**

14 **Is that sufficient to communicate a consequence**  
 15 **of violating the policy?**

16 A. It communicates a consequence but not a security  
 17 consequence or the consequences to the overall security  
 18 of the organization --

19 **Q. And the last sentence of that same paragraph**  
 20 **says, "A combination of phone calls or e-mails may**  
 21 **result in immediate termination."**

22 **Did I read that correctly?**

23 A. Yes.

24 **Q. Is that sufficient to communicate a consequence**  
 25 **of violating the policy?**

1 information security program, so this addresses the need  
 2 for physical security.

3 **Q. And in fact, it's your opinion that LabMD's**  
 4 **physical security was adequate; is that correct?**

5 A. Yes. As far as providing locks to server rooms  
 6 and access to their -- physical access to their  
 7 computers, yes. But physical security is not sufficient  
 8 in protecting against electronic attacks.

9 **Q. Right.**

10 **And I think you also said that no one portion of**  
 11 **your seven principles alone would meet your definition**  
 12 **of a comprehensive information security program;**  
 13 **correct?**

14 A. No one of the seven principles would meet the  
 15 definition of any of the organizations' that I've cited  
 16 notion of a comprehensive information security plan.

17 **Q. If we look down at the bottom of that page,**  
 18 **under LabMD Property --**

19 A. Excuse me. Could you reduce that just slightly.  
 20 It's not fitting fully on the screen.

21 Okay. I'm able to see it now.

22 **Q. Again, under LabMD Property, it reads: Lockers,**  
 23 **desks, vehicles and computers are all office equipment**  
 24 **are LabMD's -- and all office equipment -- I'm sorry --**  
 25 **are LabMD's property and must be maintained according to**

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1 LabMD's standards, rules, and regulations. They must be  
2 kept clean and operable and are to be used only for  
3 work-related purposes.

4 Professor Hill, do you think that this is a  
5 beneficial policy to have in place with regard to  
6 security of data that might be contained on computers  
7 and other property maintained by the -- by LabMD?

8 A. As I've previously stated regarding policies,  
9 there is no link in this statement to a consequence as  
10 it relates to the security of the system and how  
11 violating this policy would impact the overall  
12 security.

13 So as we previously stated, if this is followed  
14 to the letter in that if employees don't do anything to  
15 violate this, then I think that it would be helpful.

16 Q. The next paragraph reads, "Employees who need to  
17 remove LabMD property, equipment, records or information  
18 from the premises must have proper authorization.  
19 Removal and/or possession without this authorization is  
20 prohibited and subject to disciplinary action up to and  
21 including termination."

22 Professor Hill, once again, if this policy is  
23 followed to the letter, would that not be beneficial in  
24 terms of securing data and information and property of  
25 the company?

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1 A. Yes, it would.

2 Q. Professor Hill, we've talked a lot about this  
3 comprehensive information security program. We've  
4 talked about the seven principles.

5 Is there anything that LabMD could have done  
6 short of meeting every goal you set out in your opinion  
7 and still have you find that their data security was  
8 adequate?

9 A. The recommendations that I laid out in my expert  
10 witness document contain basic requirements for securing  
11 a system. These are consistent with recommendations by  
12 governmental and industry and academic institutions  
13 working together to define and specify such  
14 recommendations.

15 So it is expected that an organization will  
16 apply updates to their software. It is expected that  
17 they will have strong passwords. It would -- it is  
18 expected that they would implement access control  
19 mechanisms. It is expected that they would assess their  
20 networks for emerging vulnerabilities.

21 So what I've recommended is what these other  
22 guidelines recommend. These are the basic things that  
23 you must do to have reasonable and appropriate security  
24 for your system.

25 So I don't think the guidelines that I've put in

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1 place exceed what the other guidelines by those  
2 organizations are recommending. For both -- for small  
3 organizations and for large organizations, the  
4 guidelines are consistent.

5 Q. And I guess my question is a little different  
6 than your answer.

7 My question is whether or not LabMD could have,  
8 in your opinion, had in place adequate data security  
9 without meeting every aspect of your recommendation.

10 A. The -- I'll try to answer your question this  
11 way.

12 The majority of the recommendations that I made  
13 were in response to me determining that there were  
14 multiple vulnerabilities and flaws and limitations to  
15 the existing security plan that they had, so here I'm  
16 trying to address these vulnerabilities.

17 So if there are vulnerabilities in the existing  
18 plan, they need to be addressed in order to have  
19 appropriate and reasonable security, and so this relates  
20 to what they were currently doing but not doing  
21 sufficiently and effectively, and so they would need to  
22 address those vulnerabilities.

23 Q. And they would need to address those  
24 vulnerabilities in the way that you suggested that they  
25 address them in order to -- in order for you to conclude

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1 that their data security was adequate.

2 A. I think I gave some general recommendations.

3 There's a general recommendation for risk  
4 assessment and for it to be performed periodically.  
5 Now, there are various mechanisms for doing risk  
6 assessment, and the coverage of those mechanisms are  
7 different, and so of course they would need antivirus  
8 software, but which antivirus software I don't specify.

9 So they would need to do some types of  
10 penetration testing and vulnerability assessment, so --  
11 and there are a variety of different mechanisms for  
12 doing that. But my general recommendation is that they  
13 do risk assessment, and so there are different  
14 mechanisms for doing that. And I don't specify that,  
15 you know, you've got to use this explicit one or that  
16 explicit one, but I do give examples of the types that  
17 they should use in order to address this.

18 So there is -- in my recommendation, LabMD has  
19 some leeway with regards to, you know, how to address  
20 the vulnerabilities given the recommendations that I  
21 have put in place.

22 Q. Just a few more questions with regard to  
23 policies that were in place at LabMD.

24 If we could turn to CX 2, which I believe you  
25 were questioned about yesterday and should be in the

1 folder that you have on your lap.  
 2 If we could go to page 5.  
 3 Page 5, please, Professor Hill.  
 4 Professor Hill, you were originally at the cover  
 5 page of CX 2, and I think yesterday you established that  
 6 this in fact was also part of what you reviewed in  
 7 coming to your conclusions and your opinions in this  
 8 case; correct?  
 9 A. Yes.  
 10 Q. And as far as page 5 is concerned, if we can go  
 11 down to Confidentiality and Trade Secrets?  
 12 A. Yes.  
 13 Q. It reads, "In the course of your work, you may  
 14 have access to confidential information regarding LabMD,  
 15 its suppliers, customers, operations methods, current or  
 16 potential products, or services and software used at  
 17 LabMD. It is one of your most serious responsibilities  
 18 that you in no way reveal or divulge any such  
 19 information and that you use information only in the  
 20 performance of your duties, as certain information could  
 21 be used by competitors. Violation of this may subject  
 22 you to immediate termination."  
 23 Professor Hill, do you agree that if this policy  
 24 is followed that it would have a positive impact on data  
 25 security at LabMD?

1 that particular action.  
 2 Q. If we could turn to page 6, which is the next  
 3 page, at the top.  
 4 It reads, "The Health Insurance Portability and  
 5 Administrative Act (HIPAA) of 1993 made it illegal for  
 6 any person in healthcare to share an individual's  
 7 protected healthcare information (PHI) with anyone other  
 8 than for the specific reasons of treatment, payment, or  
 9 healthcare operations."  
 10 Again, Professor Hill, if this written policy is  
 11 followed, it would have a positive impact on data  
 12 security as it relates to protected health information,  
 13 wouldn't it?  
 14 A. Yes, it would.  
 15 Q. Now, Professor Hill, you've discussed and stated  
 16 repeatedly that how important it is to have policies in  
 17 writing; correct?  
 18 A. It's important to have your entire comprehensive  
 19 information security plan in writing.  
 20 Q. It's important --  
 21 JUDGE CHAPPELL: Mr. Sherman, you're the  
 22 examining attorney, but would you like for the witness  
 23 to answer merely yes or no when you've asked a yes-or-no  
 24 question?  
 25 MR. SHERMAN: Your Honor, I respect

1 A. Yes. If this policy was followed, it would have  
 2 a positive impact.  
 3 Q. And you -- well, I'm going to ask the obvious  
 4 question. I don't mean to offend you.  
 5 But this policy is in writing, wouldn't you  
 6 agree?  
 7 Professor Hill?  
 8 A. This policy is in writing. But as I've  
 9 previously stated, a policy alone without an  
 10 enforcement mechanism is not sufficient.  
 11 And -- and the reason -- one of the reasons that  
 12 I say an enforcement mechanism is important and also a  
 13 training and discussion is important, because an  
 14 individual may do something that may inadvertently  
 15 violate this policy that they don't have an  
 16 understanding that it will.  
 17 For example, downloading unauthorized software,  
 18 they don't directly share or give that information away,  
 19 and they may not be aware that they're doing it.  
 20 So while this policy talks about, you know,  
 21 directly sharing and intentionally sharing information,  
 22 it doesn't cover the case where information may be  
 23 inadvertently shared because of the actions of an  
 24 employee that doesn't understand the security  
 25 consequences or the consequences to security of doing

1 Professor Hill's opinion and -- her voice is tired. You  
 2 would think that she would want a yes or no answer,  
 3 but -- that is an option, Professor Hill.  
 4 THE WITNESS: Okay.  
 5 MR. SHERMAN: I think that's what the judge is  
 6 suggesting.  
 7 BY MR. SHERMAN:  
 8 Q. You've also indicated time and again that  
 9 guidelines should be in writing; correct?  
 10 A. Yes.  
 11 Q. And you've stated that the reason that it's so  
 12 important for these to be in writing is because it  
 13 creates awareness amongst not only IT professionals but  
 14 also the employees who are expected to comply; correct?  
 15 A. Yes.  
 16 Q. That it creates continuity in terms of the  
 17 enforcement and knowledge of those policies as turnover  
 18 may occur; correct?  
 19 A. Yes.  
 20 Q. So, Professor Hill, do you think that it's  
 21 important or just as important for an enforcement agency  
 22 to put its data security expectations in writing for the  
 23 very same reasons?  
 24 A. Excuse me. Did you say enforcement agency?  
 25 Q. Yes. Such as the FTC, the government.

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1 A. I think -- yes.  
 2 MR. SHERMAN: If I can have one moment to  
 3 consult with counsel.  
 4 JUDGE CHAPPELL: Go ahead.  
 5 (Pause in the proceedings.)  
 6 BY MR. SHERMAN:  
 7 **Q. Just a few more questions.**  
 8 **In terms of LabMD, were you aware of what type**  
 9 **of services LabMD provided?**  
 10 A. During the relevant time period?  
 11 **Q. Yes, ma'am.**  
 12 A. Yes.  
 13 **Q. And what were they? What did you know?**  
 14 A. I knew that they provided testing for doctors'  
 15 offices for different types of lab tests.  
 16 **Q. Did you know that they specified or specialized**  
 17 **in cancer detection?**  
 18 A. I didn't know that specifically, no.  
 19 **Q. Did you know that LabMD received the protected**  
 20 **health information -- did you know how they received**  
 21 **that information from their physician clients?**  
 22 A. Yes.  
 23 **Q. And did you know how the physician clients**  
 24 **received their test results from LabMD?**  
 25 A. Yes.

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1 **Q. And were you aware of whether or not the federal**  
 2 **government had in fact encouraged medical care providers**  
 3 **to go electronically as it related to medical records,**  
 4 **during the relevant period of time?**  
 5 A. Yes.  
 6 **Q. You were aware of that.**  
 7 A. Yes.  
 8 **Q. Now, Professor Hill, we haven't gone into your**  
 9 **background in terms of your previous employment, but we**  
 10 **did so at your deposition, and I'll try and make this**  
 11 **short.**  
 12 **When was the last time you actually worked in**  
 13 **the private sector?**  
 14 A. I would have to take a look at my CV to --  
 15 **Q. Please do.**  
 16 (Pause in the proceedings.)  
 17 A. I would say that it was in 1999.  
 18 **Q. Okay. And since 1999, you've been an academic**  
 19 **professor --**  
 20 A. Yes.  
 21 **Q. -- is that correct?**  
 22 **Have you been asked, other than for this case,**  
 23 **to provide consulting services for any ongoing and**  
 24 **operating business with regard to their data security?**  
 25 A. No.

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1 **Q. Have you looked at specifically the operations**  
 2 **of any medical facilities, whether it be doctors'**  
 3 **offices, hospitals, laboratories like LabMD, in order to**  
 4 **look at their operations and recommend data security**  
 5 **practices for them?**  
 6 **Medical facilities.**  
 7 A. I would need to qualify my answer if that's  
 8 okay.  
 9 **Q. Absolutely.**  
 10 A. As a part of research that I've conducted, I  
 11 have looked at the activities of hospitals and their use  
 12 of RFID technology to understand what the privacy  
 13 implications of the use of that technology would be on  
 14 the patient. And I've interviewed doctors along with  
 15 the students that I've worked with in order to get an  
 16 understanding of the process of using that within that  
 17 hospital environment in order to assess the risk and  
 18 proposed mechanisms for securing the use of such  
 19 technology.  
 20 **Q. Was that study part of a grant or was that --**  
 21 A. No. This is prior to trying to secure a grant  
 22 to continue that work.  
 23 So no, it wasn't as part of grant-related work.  
 24 **Q. How long ago was this?**  
 25 A. This was, if I can --

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1 **Q. Absolutely.**  
 2 A. This work was conducted between 2008 and 2009.  
 3 **Q. And it specifically addressed RFID technology?**  
 4 A. Yes.  
 5 **Q. What is RFID technology?**  
 6 A. RFID technology is radiofrequency  
 7 identification. And you have a small computing chip  
 8 that emits radiofrequencies in order to communicate  
 9 information, so some of these chips can be as simple as  
 10 an electronic barcode or it could be a programmable chip  
 11 where you can recode information and store additional  
 12 information on the chip itself.  
 13 MR. SHERMAN: Thank you, Professor Hill.  
 14 I have no further questions, Your Honor.  
 15 JUDGE CHAPPELL: Any redirect based on the  
 16 cross-exam?  
 17 MS. LASSACK: I do, Your Honor.  
 18 May we take a lunch break?  
 19 JUDGE CHAPPELL: I have a few questions before  
 20 your redirect.  
 21 I heard you talk a lot about defense in depth.  
 22 Is "defense in depth" your lingo created by  
 23 you?  
 24 THE WITNESS: No, sir.  
 25 JUDGE CHAPPELL: Where is it from?

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1 THE WITNESS: "Defense in depth" is a term  
 2 that's used in the IT community and -- and it is my  
 3 understanding that it was originally taken from  
 4 military strategy, but it has been adopted by the IT  
 5 community to explain the most effective way to deploy  
 6 mechanisms.  
 7 JUDGE CHAPPELL: When do you believe you first  
 8 saw that use of that phrase as commonplace in the  
 9 IT community?  
 10 THE WITNESS: I --  
 11 JUDGE CHAPPELL: I mean, you don't have to --  
 12 like five years, ten years, one year, how long ago?  
 13 THE WITNESS: I think that it was maybe around  
 14 five years ago or so when I became familiar with the  
 15 strategy.  
 16 JUDGE CHAPPELL: And the seven principles  
 17 you've talked about, is that your formulation? Even  
 18 though I think you said they were drawn from various  
 19 literature or guidelines, did you formulate the seven  
 20 principles?  
 21 THE WITNESS: No, sir. These are principles  
 22 that I've learned through my experience. And these are  
 23 consistent with what may be found in the guidelines  
 24 that are provided by some of the resources that I cite.  
 25 JUDGE CHAPPELL: Did I hear you say earlier that

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1 you generally won't find all seven if you look at  
 2 guidelines or information?  
 3 THE WITNESS: You may not find all seven  
 4 specifically. You may find six, excluding the  
 5 "don't keep what you don't need," because since the  
 6 management of large amounts of data is an emerging  
 7 trend, then this is becoming more of a needed principle  
 8 because of that, because organizations are keeping  
 9 large amounts of money, so you may not see that  
 10 particular principle in some of the documents that I  
 11 cite.  
 12 JUDGE CHAPPELL: Is it your opinion that  
 13 respondent's data was unreasonable or inadequate simply  
 14 because it didn't meet standards for defense in depth?  
 15 THE WITNESS: I feel that it was because not  
 16 just because it didn't meet standards for defense in  
 17 depth but because they were not comprehensive and that  
 18 they had vulnerabilities that were not being addressed  
 19 because of the lack of specific policies and enforcement  
 20 mechanisms.  
 21 JUDGE CHAPPELL: Just so I'm clear, defense in  
 22 depth, does that require a company to meet the seven  
 23 principles?  
 24 THE WITNESS: Defense -- it doesn't require the  
 25 companies to meet the seven principles, but it's more

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1 of a strategy about how to deploy mechanisms within  
 2 your computing infrastructure, mechanisms and policies,  
 3 in order to satisfy your security goals.  
 4 So you have this comprehensive information  
 5 security plan that lists out, you know, what mechanisms  
 6 will enforce your policies and satisfy your security  
 7 goals, but defense in depth talks about you need a  
 8 heterogeneous set of mechanisms, not the same. You need  
 9 to deploy them at multiple layers in your network in  
 10 order for them to be effective.  
 11 So that's what defense in depth says --  
 12 JUDGE CHAPPELL: So -- go ahead.  
 13 THE WITNESS: -- so --  
 14 JUDGE CHAPPELL: I didn't mean to interrupt you.  
 15 Go ahead.  
 16 THE WITNESS: Okay.  
 17 So you have this plan that you devise via a  
 18 process of kind of a balancing process where you look at  
 19 your goals and look at the highest risks and  
 20 vulnerabilities, and you identify mechanisms that will  
 21 address those that you're more likely to encounter with  
 22 regards to the risk and the vulnerabilities that would  
 23 be exploited. And then given that, you want to then  
 24 deploy those mechanisms in a defense in depth way.  
 25 So that's how defense in depth kind of fits with

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1 this comprehensive information security program.  
 2 JUDGE CHAPPELL: So if I understand correctly,  
 3 defense in depth would be considered the gold standard  
 4 in the industry.  
 5 THE WITNESS: I wouldn't say that defense in  
 6 depth is a gold standard. It's an effective strategy.  
 7 JUDGE CHAPPELL: I think it's paragraph 52 of  
 8 your expert report says -- you're talking about best  
 9 practices that would include seven principles. And I'm  
 10 just trying to follow you here.  
 11 If someone follows the seven principles, are  
 12 they meeting what you would consider defense in depth,  
 13 that requirement?  
 14 THE WITNESS: If someone follows those seven  
 15 principles and deploy mechanisms at the various levels  
 16 within their infrastructure, then they would satisfy  
 17 defense in depth.  
 18 JUDGE CHAPPELL: And again so I'm clear, is  
 19 defense in depth, in your opinion, the exercise of  
 20 utmost care, in other words, above reasonable care?  
 21 THE WITNESS: I'm sorry, Your Honor. Could you  
 22 repeat.  
 23 JUDGE CHAPPELL: Defense in depth, is that  
 24 exercising reasonable care or is it more likely what you  
 25 would call or consider utmost care?

1 THE WITNESS: I would say it's reasonable, sir.  
 2 JUDGE CHAPPELL: So in your opinion then,  
 3 reasonable care would be defense in depth for your  
 4 network.  
 5 THE WITNESS: Reasonable care would be defense  
 6 in depth.  
 7 JUDGE CHAPPELL: Okay. Thank you.  
 8 We will take our lunch break.  
 9 How much time do you think you'll need for  
 10 redirect?  
 11 MS. LASSACK: Under half an hour, probably  
 12 closer to 15 minutes.  
 13 JUDGE CHAPPELL: Okay. We'll reconvene at  
 14 2:10 p.m.  
 15 We're in recess.  
 16 (Whereupon, at 1:03 p.m., a lunch recess was  
 17 taken.)  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25

1 AFTERNOON SESSION  
 2 (2:12 p.m.)  
 3 JUDGE CHAPPELL: Back on the record.  
 4 Redirect?  
 5 MS. LASSACK: Thank you, Your Honor.  
 6 - - - - -  
 7 REDIRECT EXAMINATION  
 8 BY MS. LASSACK:  
 9 **Q. Good afternoon, Professor Hill.**  
 10 A. Good afternoon.  
 11 **Q. I'd like to start by directing your attention to**  
 12 **paragraph 91 of your expert report, which is labeled**  
 13 **CX 740, and which begins on page 35.**  
 14 **Mr. Sherman asked you this morning about the**  
 15 **subparagraphs of paragraph 91, which begin on the**  
 16 **following page, page 92. Do you remember that?**  
 17 A. Yes.  
 18 **Q. To clarify the record, the opinions in**  
 19 **paragraphs 91 (a) through (g) of your report are true**  
 20 **for what time period?**  
 21 A. Prior to 2010.  
 22 **Q. Professor Hill, you testified this morning about**  
 23 **intrusions. Do you recall that testimony?**  
 24 A. Yes.  
 25 **Q. In giving that testimony, how are you defining**

1 **the word "intrusion"?**  
 2 A. The way that I'm defining the word "intrusion"  
 3 is that an intrusion is unauthorized access that  
 4 originates from outside of a network.  
 5 **Q. When you say "unauthorized," unauthorized from**  
 6 **whose perspective?**  
 7 A. Unauthorized from the perspective of the  
 8 organization.  
 9 **Q. Professor Hill, you also testified this morning**  
 10 **that there were not sufficient logs to show how the**  
 11 **1718 File left LabMD. Do you recall that testimony?**  
 12 A. Yes.  
 13 **Q. Would you please explain to the court what you**  
 14 **mean by that.**  
 15 A. There were no -- there was no information  
 16 regarding the data communication that occurred that  
 17 allowed that file to leave the network.  
 18 For example, if you had mechanisms in place to  
 19 capture the data across the network, then you could  
 20 possibly have information that would be able to tell you  
 21 how the file left the network.  
 22 So when I say "logs," I'm talking about  
 23 information, data communication information, the data  
 24 that transferred between the external entity and LabMD's  
 25 network.

1 **Q. So that information was not available in this**  
 2 **case?**  
 3 A. No, it was not available.  
 4 **Q. Professor Hill, you testified this morning about**  
 5 **certain LabMD policies and LabMD's employee manual. Do**  
 6 **you recall that testimony?**  
 7 A. Yes.  
 8 **Q. In your expert opinion, is it reasonable to**  
 9 **expect employer policies like the ones you testified**  
 10 **about this morning to be followed to the letter?**  
 11 A. It's not reasonable to expect them to be  
 12 followed to the letter.  
 13 **Q. Why not?**  
 14 A. Because there can always be human error.  
 15 And so the human is the weakest part of any  
 16 security plan, and so there could be a misunderstanding  
 17 of the policy, there could be misconfigurations of  
 18 mechanisms, and so there can always be an unintentional  
 19 mistake on the part of the human that would prevent a  
 20 policy from being followed to the letter. I think it's  
 21 unreasonable to expect that.  
 22 **Q. Professor Hill, you also testified this morning**  
 23 **that a company should be able to specify what types of**  
 24 **information that its employees have access to. Do you**  
 25 **recall that testimony?**

1 A. Yes.  
 2 **Q. Can you explain to the court why you believe**  
 3 **that a company should be able to specify the types of**  
 4 **information that its employees have access to?**  
 5 A. There are specific tasks that a company  
 6 performs, and there should be knowledge of what is  
 7 required to perform those tasks. And if that knowledge  
 8 is not documented, it would still be possible to  
 9 determine what that knowledge is based on the  
 10 applications that are in place and the information that  
 11 is provided through those applications.  
 12 So I think it should be possible for a company  
 13 to specify that for those reasons.  
 14 **Q. When you say "by the applications," can you**  
 15 **explain to the court what you mean by that.**  
 16 A. The application, for example, the billing  
 17 application Lytec provided certain information and  
 18 provided access to certain information, and so that  
 19 would -- that application could then be used to  
 20 determine what the billings application provided access  
 21 to.  
 22 There's been testimony that stated that the  
 23 billings employees needed additional information from  
 24 the database, so there are processes in place to extract  
 25 this information, and so those processes should be

1 **yesterday that LabMD failed to provide reasonable and**  
 2 **appropriate security to protect the personal**  
 3 **information --**  
 4 JUDGE CHAPPELL: Hold on a second. You referred  
 5 to her testimony yesterday? That would have been  
 6 direct. Your redirect is limited to the scope of cross,  
 7 so don't go beyond the scope of cross that we heard  
 8 today.  
 9 MS. LASSACK: Okay. I don't believe that I am,  
 10 Your Honor. May I continue --  
 11 JUDGE CHAPPELL: Well, I just heard you start by  
 12 saying you testified yesterday. Yesterday was direct,  
 13 not cross, so you need to change your question.  
 14 MS. LASSACK: Okay. I can rephrases the  
 15 question.  
 16 BY MS. LASSACK:  
 17 **Q. Professor Hill, you've just testified that**  
 18 **you -- the only assumption you made about consumer harm**  
 19 **in this case is the assumption that you just read from**  
 20 **paragraph 49 of your report --**  
 21 A. Yes.  
 22 **Q. -- correct?**  
 23 **Do you have any opinion about whether LabMD's**  
 24 **failure to provide reasonable and appropriate data**  
 25 **security increased the risk that the personal**

1 evaluated to determine what information was extracted in  
 2 addition to the billings information.  
 3 So there's a way to recover that information by  
 4 evaluating the processes that are in place at an  
 5 organization.  
 6 **Q. Professor Hill, I'd like to direct your**  
 7 **attention to paragraph 38 of your expert report.**  
 8 **And I apologize. I misspoke. Actually I'd like**  
 9 **to direct your attention to paragraph 49 of your expert**  
 10 **report.**  
 11 **You testified earlier this morning about the**  
 12 **last sentence of that paragraph. Do you recall that**  
 13 **testimony?**  
 14 A. Yes.  
 15 **Q. Will you read the last sentence of**  
 16 **paragraph 49 aloud.**  
 17 A. "For purposes of this report, I have assumed  
 18 that these types of information can be used to harm  
 19 consumers, through identity theft, medical identity  
 20 theft, and disclosing private information."  
 21 **Q. To clarify the record, did you make any**  
 22 **assumptions about consumer harm in this case beyond what**  
 23 **you just read?**  
 24 A. No, I did not.  
 25 **Q. Professor Hill, you explained to the court**

1 **information it maintained on its network could be**  
 2 **disclosed without authorization?**  
 3 MR. SHERMAN: Objection.  
 4 JUDGE CHAPPELL: Basis?  
 5 MR. SHERMAN: I don't believe that  
 6 Professor Hill's background, experience, education  
 7 qualifies her to give an opinion with regard to likely  
 8 harm. I think that was the question that was asked.  
 9 JUDGE CHAPPELL: Is this opinion that this  
 10 question is seeking within her expert report?  
 11 MS. LASSACK: I believe that it is, Your Honor.  
 12 The question is about the risk of unauthorized  
 13 disclosure, and I believe Professor Hill testifies about  
 14 that in her report in connection with defense in depth  
 15 and --  
 16 JUDGE CHAPPELL: Then you need to -- based on  
 17 the objection, you need to lay a foundation.  
 18 Meaning you need to have the witness testify  
 19 that this is an opinion previously provided in her  
 20 report. She's limited to those opinions in this  
 21 proceeding. That's the foundation that's required.  
 22 MS. LASSACK: Thank you, Your Honor.  
 23 BY MS. LASSACK:  
 24 **Q. Professor Hill, did you offer an opinion in your**  
 25 **report about the increased risk that not having**

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1 reasonable and appropriate data security would create  
2 with respect to the chance of unauthorized disclosure of  
3 that information?

4 A. Yes.

5 Q. So will you please explain to the court what  
6 that opinion is.

7 A. That opinion is, given the vulnerabilities that  
8 were present within LabMD's computing infrastructure and  
9 the fact that they were not addressed in a timely  
10 manner, this placed the personal information that was  
11 stored on those networks at risk for exposure and  
12 compromise.

13 Q. Is that risk greater than the risk would be if  
14 LabMD had provided reasonable and appropriate security?

15 A. Yes.

16 Q. What is the basis for that opinion?

17 A. The basis of that opinion is that if they had  
18 provided reasonable and appropriate security, the  
19 high-level risk would have been identified and  
20 addressed, and those vulnerabilities would not have  
21 been present for the duration of the relevant period,  
22 and so that's why, that the increased level of  
23 exposure, the type of risks that were present, the fact  
24 that those risks gave an attacker administrative access  
25 to servers that maintained the sensitive information,

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1 that's why I feel that there was increased risk to that  
2 data.

3 MS. LASSACK: I have no further questions,  
4 Your Honor.

5 JUDGE CHAPPELL: Thank you.

6 Is there any recross based on the redirect  
7 only?

8 MR. SHERMAN: There is recross, Judge.

9 - - - - -

10 RECCROSS-EXAMINATION

11 BY MR. SHERMAN:

12 Q. Professor Hill, could you turn to your report  
13 and point to me where in that report you state that  
14 there's an increased risk of data exposure as a result  
15 of LabMD's data security practices.

16 (Pause in the proceedings.)

17 JUDGE CHAPPELL: If it would help, counsel may  
18 confer, and if that information is not in the report, we  
19 can establish that and move along.

20 MR. SHERMAN: I don't think it's in the report,  
21 Your Honor, and if it's not, I would move to have  
22 the --

23 JUDGE CHAPPELL: Well, don't -- we're not there  
24 yet.

25 MR. SHERMAN: Well, do you find it, Counsel?

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1 MS. LASSACK: I think I can establish that  
2 there are risks that cause harm and that when defense in  
3 depth --

4 JUDGE CHAPPELL: All I want to hear from you,  
5 Counselor, is I want to know the page and line number  
6 where it's in her report. That's the question. Not the  
7 page, not the line number, but the paragraph number,  
8 where is it in her report.

9 MS. LASSACK: I think that's paragraph 76,  
10 paragraph 100(d), and paragraph 27 read together, would  
11 be that opinion.

12 JUDGE CHAPPELL: Can someone give me a copy of  
13 the report, please.

14 MS. LASSACK: May I approach, Your Honor?

15 JUDGE CHAPPELL: Yes.

16 MS. LASSACK: Thank you.

17 JUDGE CHAPPELL: Thank you.

18 (Pause in the proceedings.)

19 Dr. Hill, have you found that wording in your  
20 report?

21 THE WITNESS: Your Honor, when looking at --

22 JUDGE CHAPPELL: I'm not talking about reading  
23 paragraphs together. This is a concluding -- a  
24 conclusion that should be stated as worded in this  
25 question. Is that in your report?

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1 THE WITNESS: I haven't found it worded like it  
2 was in the question, sir.

3 JUDGE CHAPPELL: Do you need more time?

4 THE WITNESS: I can continue to look, but I  
5 haven't found it stated exactly.

6 JUDGE CHAPPELL: Do you recall it being in  
7 there?

8 THE WITNESS: I don't recall it being in there  
9 stated exactly like the question, sir.

10 JUDGE CHAPPELL: Do we have an objection?

11 MR. SHERMAN: You do, Your Honor. I would  
12 object to the testimony in that regard and ask that it  
13 be stricken.

14 JUDGE CHAPPELL: I have reviewed the paragraphs  
15 cited into the record by complaint counsel, 100(d), 27,  
16 and 76 read together.

17 First off, the paragraphs should not have to be  
18 read together to try to find an opinion. It should be  
19 clear, concise and obvious in an expert report.

20 First of all, I find that it's not in the  
21 report.

22 Second of all, I find that reading those  
23 paragraphs together does not equal the opinion the  
24 question called for.

25 Therefore, any response from this witness

1 regarding that question and that opinion will be  
2 disregarded and not considered in the decision on this  
3 case.

4 And just to be clear for the record, the  
5 question was: "Professor Hill, could you turn to your  
6 report and point to me where in that report you state  
7 that there's an increased risk of data exposure as a  
8 result of LabMD's data security practices."

9 Next question.  
10 The objection is sustained.

11 MR. SHERMAN: Thank you, Your Honor.

12 JUDGE CHAPPELL: I want to make it clear in the  
13 record that any testimony saying there was an increased  
14 risk, based on my previous finding, will be disregarded  
15 and not considered as part of the decision in this  
16 case.

17 I find it patently unfair to introduce a new  
18 opinion in this case. That's we why we have the rules.  
19 That's why we have expert opinions. Those opinions are  
20 what this case is limited to, the opinions in the expert  
21 report.

22 Next question.  
23 MR. SHERMAN: Thank you, Your Honor.

24 BY MR. SHERMAN:  
25 **Q. Professor Hill, you testified that the relevant**

1 **There weren't sufficient logs to make that**  
2 **determination.**

3 A. Yes.

4 **Q. Okay. But there were logs being run during that**  
5 **period of time; isn't that correct?**

6 A. It is my understanding that there weren't the  
7 types of logs that I was referring to.

8 **Q. And -- okay.**

9 **No further questions.**

10 JUDGE CHAPPELL: Is there any re-redirect based  
11 on the recross?

12 MS. LASSACK: Your Honor, I just have one minor  
13 clarification question for the record.

14 JUDGE CHAPPELL: All right.

15 - - - - -  
16 REDIRECT EXAMINATION

17 BY MS. LASSACK:

18 **Q. Professor Hill, you just testified that the**  
19 **relevant time period was 2005 through 2010. Do you**  
20 **recall that testimony?**

21 A. Yes.

22 **Q. What month in 2010 did the relevant time period**  
23 **for your opinions end?**

24 A. July 2010.

25 MS. LASSACK: Thank you.

1 **time period was 2005 through 2010; correct?**

2 A. Yes.

3 **Q. And on redirect you were asked questions about**  
4 **the inability to discern how the documents allegedly**  
5 **escaped LabMD's possession; correct?**

6 A. I'm sorry. I -- I don't know when that question  
7 was asked, but if you're stating that it was asked  
8 during that time, then --

9 **Q. Well, redirect was when Ms. Lassack was just**  
10 **talking to you a few moments ago.**

11 A. Yes.

12 **Q. Do you recall that question being asked in that**  
13 **time frame in terms of your ability to, through logs or**  
14 **through information that you reviewed, determine how**  
15 **certain information escaped LabMD's possession?**

16 A. I honestly don't recall her asking me that  
17 question, but I can answer anything that you're asking.

18 **Q. You indicated that there weren't sufficient logs**  
19 **to make that determination.**

20 A. Oh, logs. Okay. I heard "laws."

21 **Q. Oh, I'm sorry. No. Logs.**

22 A. Yes. Okay. Yes.

23 **Q. To make that determination.**

24 A. Now I understand. I'm sorry.

25 **Q. My apologies for not being clear.**

1 No further questions, Your Honor.

2 JUDGE CHAPPELL: Are you going to continue this,  
3 Mr. Sherman, or let it go?

4 MR. SHERMAN: Oh, I'm finished, Your Honor.  
5 Thank you, Professor Hill.

6 JUDGE CHAPPELL: Thank you, Dr. Hill. You're  
7 excused.

8 Next witness.

9 MR. SHERMAN: Oh, Your Honor?

10 For the record, Your Honor --

11 JUDGE CHAPPELL: Does this require Dr. Hill?

12 MR. SHERMAN: Excuse me?

13 JUDGE CHAPPELL: Does this require Dr. Hill's  
14 presence?

15 MR. SHERMAN: No, it does not.

16 THE WITNESS: Okay.

17 JUDGE CHAPPELL: I'm sure she's had enough of  
18 this room. We're going to let her go.

19 MR. SHERMAN: We'll try to get her out.

20 Your Honor, I want to pose an objection to  
21 Dr. Hill's testimony even being accepted as expert  
22 witness testimony pursuant to 3.41(b), 16 CFR section  
23 3.43(b) and federal rule of evidence 702 --

24 MS. VANDRUFF: Your Honor, I'm sorry to  
25 interrupt, but Ms. Lassack has exited the courtroom.

1 May I ask that she return to hear this argument, sir?  
 2 JUDGE CHAPPELL: Sure.  
 3 MR. SHERMAN: I think that's right.  
 4 MS. VANDRUFF: I'm sorry.  
 5 MR. SHERMAN: That's okay.  
 6 (Discussion off the record.)  
 7 MS. VANDRUFF: Your Honor, thank you for your  
 8 indulgence.  
 9 JUDGE CHAPPELL: So you have an objection to all  
 10 of the expert testimony of Dr. Hill?  
 11 MR. SHERMAN: Yes, sir.  
 12 JUDGE CHAPPELL: And what's your basis?  
 13 MR. SHERMAN: The basis is that Dr. Hill did  
 14 not determine based on her education and her knowledge,  
 15 her experience, her conclusions were not consistent  
 16 with what the facts in the case were. And the fact  
 17 that Dr. Hill basically, I think, made conclusions not  
 18 based on the facts as they exist in this case, the fact  
 19 that she did not consider certain testimony, the fact  
 20 that her conclusions were not actually based on  
 21 scientific, technical or other specialized knowledge,  
 22 it was simply her opinion with regard to what a data  
 23 security program should look like.  
 24 In fact, it was her opinion that a  
 25 comprehensive information security plan was to be

1 formulated from a series of documents and a series of  
 2 reports which taken together would come up with a  
 3 definition of what she described as a comprehensive  
 4 information security plan that -- as well as defense in  
 5 depth, as well as seven principles associated with it.  
 6 And there is no scientific basis that if taken  
 7 together, all of those -- all of those aspects even  
 8 apply on a case-by-case basis to any organization who  
 9 is dealing with data security, so with that respect --  
 10 in that respect, we argue that it lacked the scientific  
 11 methodology in which to come up with what she describes  
 12 as a comprehensive information security plan.  
 13 JUDGE CHAPPELL: Are you opposing this  
 14 objection?  
 15 MS. LASSACK: Yes, Your Honor.  
 16 JUDGE CHAPPELL: You can step over here if that  
 17 will be easier or you're going to break your back there  
 18 at that microphone.  
 19 MS. LASSACK: Your Honor, respondent's motion  
 20 is baseless. As a threshold matter, respondent has  
 21 been on notice of Professor Hill's opinions and  
 22 methodology since her expert report was submitted on  
 23 March 18 --  
 24 JUDGE CHAPPELL: Let's get past the procedure  
 25 and let's get to the substance.

1 MS. LASSACK: So the standard for admissibility  
 2 of expert testimony is that the expert's scientific,  
 3 technical or other specialized knowledge will assist  
 4 the trier of fact in understanding issues in this case.  
 5 I think Professor Hill's qualifications clearly  
 6 establish that she has specialized knowledge in the  
 7 field of data security. That information will be  
 8 helpful to the trier of fact.  
 9 And I don't think the testimony today and  
 10 yesterday presents any indication that Professor Hill  
 11 did not consider the relevant facts of this case. To  
 12 the contrary. Professor Hill considered extensive  
 13 record evidence, all of which is listed in Appendix B to  
 14 her report and much of which was shown on the screen  
 15 during her direct and cross-examination.  
 16 JUDGE CHAPPELL: Okay. Thank you.  
 17 MR. SHERMAN: The only other thing I would add  
 18 for the court's consideration, Your Honor, is the fact  
 19 that Professor Hill testified that she really didn't  
 20 have any experience in the medical field in terms of  
 21 what was necessary for data security protection for an  
 22 entity that dealt with protected health information or  
 23 provided medical services.  
 24 MS. LASSACK: May I, Your Honor?  
 25 JUDGE CHAPPELL: Go ahead.

1 MS. LASSACK: I do not believe that  
 2 Professor Hill testified that she had no experience  
 3 about the protection of medical information. She cited  
 4 to several resources that set out guidelines for  
 5 protecting medical information. She has experience  
 6 researching medical data. And the principles that she  
 7 applied in this case, I think that she's established  
 8 that they are well-known principles within the  
 9 IT industry. That would be helpful to the court in  
 10 deciding issues in this case.  
 11 JUDGE CHAPPELL: All right. Thank you.  
 12 MS. LASSACK: Thank you.  
 13 JUDGE CHAPPELL: You can have a seat.  
 14 As I stated earlier, we don't have a jury here,  
 15 and I'm not going to be misled by an opinion of an  
 16 expert, a real expert, a so-called expert, a pseudo  
 17 expert. If I find that I need the assistance of an  
 18 expert and I find that that expert is qualified to give  
 19 me an opinion, I will consider that opinion.  
 20 I can assure you that when I draft the initial  
 21 decision in this case, my reasoning and reliance upon  
 22 any expert opinion will be very clear in the event it's  
 23 needed by the Court of Appeals down the road to  
 24 determine why I did what I did.  
 25 I find that your objection, the basis of your

1 objection and the reasoning goes to the weight, not the  
 2 admissibility.  
 3 I'm going to allow the opinion evidence into the  
 4 record. It does not mean it will be dispositive of any  
 5 issue in this case. But I'm not going to strike the  
 6 testimony. I will make the determination whether I  
 7 think it's reliable, whether I think it's necessary to  
 8 support any issue in this case.  
 9 Thank you.  
 10 So with that, your objection is overruled.  
 11 MR. SHERMAN: Thank you, Your Honor.  
 12 MS. LASSACK: Thank you, Your Honor.  
 13 JUDGE CHAPPELL: Next witness.  
 14 MS. VANDRUFF: Thank you, Your Honor.  
 15 Complaint counsel calls Kevin Wilmer.  
 16 Your Honor, while Mr. Wilmer joins us in the  
 17 courtroom -- and he's just outside. There will be no  
 18 delay -- we do have copies of one of two documents that  
 19 we will use during Mr. Wilmer's examination for  
 20 Your Honor, for the court reporter, for your law clerk,  
 21 if that would be helpful.  
 22 JUDGE CHAPPELL: I don't have a law clerk. I  
 23 have an attorney advisor. But if we need copies, we'll  
 24 let you know. Thank you.  
 25 MS. VANDRUFF: Thank you, Your Honor.

1 A. Prior to coming to the Federal Trade Commission,  
 2 I was a compliance analyst for the Maryland  
 3 Board of Physicians. It was previously known as the  
 4 Board of Physician Quality Assurance. It is a state  
 5 regulatory agency which licenses and regulates  
 6 physicians in Maryland as well as investigates  
 7 disciplinary actions.  
 8 **Q. For how long did you work with the**  
 9 **Maryland Board of Physicians as a compliance analyst?**  
 10 A. I worked for the Maryland Board of Physicians as  
 11 a compliance analyst for approximately 16 years.  
 12 **Q. And where did you work prior to working at the**  
 13 **Maryland Board of Physicians?**  
 14 A. Prior to the Board of Physicians, I was a  
 15 paralegal with the law firm of Piper & Marbury in  
 16 Baltimore, Maryland.  
 17 **Q. Mr. Wilmer, have you ever served in the**  
 18 **United States military?**  
 19 A. Yes, I have.  
 20 **Q. In what branch did you serve, sir?**  
 21 A. I served in the United States Air Force Reserve.  
 22 **Q. During what period did you serve in the**  
 23 **Air Force Reserves?**  
 24 A. I honorably served in the Air Force Reserves  
 25 from February of '82 to June of '94.

1 JUDGE CHAPPELL: Ironsides, you and  
 2 Officer Proctor are going to get the witness squared  
 3 away, once he's sworn, with the microphone?  
 4 - - - - -  
 5 Whereupon --  
 6 KEVIN WILMER  
 7 a witness, called for examination, having been first  
 8 duly sworn, was examined and testified as follows:  
 9 MS. VANDRUFF: May I proceed, Your Honor?  
 10 JUDGE CHAPPELL: Go ahead.  
 11 - - - - -  
 12 DIRECT EXAMINATION  
 13 BY MS. VANDRUFF:  
 14 **Q. Mr. Wilmer, will you please introduce yourself**  
 15 **to the court.**  
 16 A. My name is Kevin Wilmer. I'm a Federal Trade  
 17 investigator for the Bureau of Consumer Protection, the  
 18 Division of Privacy and Identity Protection.  
 19 **Q. How long have you worked at the**  
 20 **Federal Trade Commission?**  
 21 A. This month will mark six years. I began in  
 22 May of 2008.  
 23 **Q. Describe your employment history prior to**  
 24 **becoming an investigator at the**  
 25 **Federal Trade Commission.**

1 **Q. And what was your rank when you separated from**  
 2 **service?**  
 3 A. I separated with the rank of staff sergeant.  
 4 JUDGE CHAPPELL: E4? That was E4?  
 5 THE WITNESS: I was E5, sir.  
 6 MS. VANDRUFF: Thank you, Your Honor.  
 7 BY MS. VANDRUFF:  
 8 **Q. Describe your educational background.**  
 9 A. I have a bachelor's degree from the  
 10 University of Baltimore in interdisciplinary studies.  
 11 My areas of concentration were business administration,  
 12 corporate communications, and philosophy.  
 13 **Q. Have you done any graduate work?**  
 14 A. I attended the University of Baltimore  
 15 School of Law, and I took a leave of absence after my  
 16 2L year.  
 17 **Q. I believe you described for His Honor that you**  
 18 **work in the Division of Privacy and Identity Protection**  
 19 **here at the Federal Trade Commission.**  
 20 **Describe the work that you perform for the**  
 21 **Division of Privacy and Identity Protection.**  
 22 A. As a Federal Trade investigator, I do a variety  
 23 of functions in the Division of Privacy and Identity  
 24 Protection. Primarily we identify -- we investigate  
 25 matters dealing with identity protection and identity

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1 theft, but I'm also the liaison for the division to the  
2 Maryland financial crimes working group, which is an  
3 identity theft working group associated with the  
4 U.S. Attorney's Office for the State of Maryland.

5 In addition to that, I also do consumer and  
6 business outreach, workshops in matters of identity  
7 security and identity theft.

8 **Q. When we go into our in camera session -- and  
9 Your Honor, I will request that in a few moments -- but  
10 when we do that, I will ask you about the work that  
11 you've done specifically in this case, Mr. Wilmer.**

12 **But as a preliminary matter, was your work in  
13 this case performed at the direction of counsel?**

14 A. Yes.

15 **Q. And specifically who asked you to do work in  
16 this case?**

17 A. You did.

18 **Q. So for a moment let's turn back to your work as  
19 an investigator.**

20 **At the Federal Trade Commission, have you  
21 received training in investigatory techniques?**

22 A. Yes, I have.

23 **Q. Are you familiar with the West Thomson Reuters  
24 product CLEAR?**

25 A. Yes, I am.

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1 **Q. What is CLEAR?**

2 A. CLEAR is an investigative tool used by  
3 investigators here at the Federal Trade Commission to  
4 obtain information on both individuals and  
5 corporations.

6 **Q. Have you received training regarding the use of  
7 CLEAR in investigations?**

8 A. Yes, I have.

9 **Q. Describe those trainings for the court.**

10 A. The initial training consisted of the training  
11 provided by the CLEAR representatives, and the  
12 continuing training has been continuing education  
13 matters that help us to make the job easier.

14 **Q. Based on your training and experience,  
15 Mr. Wilmer, do you have an understanding of what  
16 information regarding individuals is contained in  
17 CLEAR?**

18 A. Yes, I do.

19 **Q. What is your understanding?**

20 A. It's my understanding that the information  
21 contained in CLEAR is aggregated from a variety of  
22 sources: credit bureau information, utility  
23 information, all forms of public information, and  
24 information from civil judgments to criminal  
25 convictions.

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1 MS. VANDRUFF: At this time, Your Honor, I  
2 would respectfully request that we go into an in camera  
3 session so that I may conclude my examination of  
4 Mr. Wilmer, which will relate to two documents that  
5 Your Honor has granted in camera status.

6 JUDGE CHAPPELL: All right. At this time I'm  
7 going to be clearing the courtroom of those people that  
8 are not subject to the protective order in this case.  
9 We're going to go into a closed session.

10 Ironsides, Mr. Proctor, one of you, would you  
11 turn the sign, please.

12 And for those of you that are going to exit the  
13 courtroom, if you -- I don't know how long this will  
14 take, but the sign will be turned and you'll be welcomed  
15 in when this closed session is finished.

16 And to make this process easier, I'm going to  
17 ask counsel to look behind you and see if you can  
18 verify that the people that are behind you that remain  
19 are subject to the protective order in this case,  
20 meaning they've acknowledged what they need to  
21 acknowledge to access the information.

22 Mr. Sherman, just so we're clear, I think -- I  
23 don't know about this particular information, but based  
24 on some pleadings and rulings I've made, are there some  
25 issues with your client as to some of the in camera

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1 information or is he okay to hear everything?

2 MR. SHERMAN: I believe my client is subject to  
3 the protective order, Judge, in that he will not  
4 disclose. Now, if the court feels otherwise, then he  
5 can be excused. But in terms of what I understand are  
6 his rights of confrontation in these situations, I  
7 think that I would argue that he should stay and that  
8 as a party in this case he has every right to and that  
9 he is in fact subject to the protective order.

10 MS. VANDRUFF: And Your Honor, if I may be  
11 heard, I know that in competition matters there are  
12 sometimes competitively sensitive information that are  
13 also subject to in camera orders. That's not the case  
14 here, Your Honor, and complaint counsel has no objection  
15 to Mr. Daugherty's presence.

16 JUDGE CHAPPELL: Okay. Thank you.

17 MR. SHERMAN: Thank you, Counselor.

18 JUDGE CHAPPELL: We are now in in camera  
19 session, and you may continue.

20 (Whereupon, the proceedings were held in  
21 in camera session.)

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1 C corp.  
 2 **Q. And can you describe how the company is run.**  
 3 A. It's run with an executive management team to  
 4 which I'm a part of running day-to-day operations.  
 5 **Q. And who reports to the executive team?**  
 6 A. All of the other functions within the company  
 7 report to the executive team.  
 8 **Q. Mr. Kam, what does ID Experts do?**  
 9 A. They provide data breach services, response  
 10 services, as well as assistance to victims of identity  
 11 theft and medical identity theft.  
 12 **Q. You just testified that the company specializes**  
 13 **in data breach response.**  
 14 **What is a data breach, Mr. Kam?**  
 15 A. A data breach is typically when an organization  
 16 has an unauthorized disclosure of sensitive personal  
 17 information and has to respond by notifying consumers  
 18 and other regulatory bodies.  
 19 **Q. And so what do you mean by "data breach**  
 20 **response"?**  
 21 A. It's the services typically that assist the  
 22 breaching organization in responding to those consumers,  
 23 providing consumer notification, and in particular  
 24 helping those individuals who identify themselves as  
 25 victims of identity theft or medical identity theft

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1 recover to pretheft status.  
 2 **Q. And what types of clients or organizations has**  
 3 **ID Experts assisted with a breach response?**  
 4 A. We've helped many of the federal agencies up  
 5 here on the Hill, as well as state and local  
 6 organizations, healthcare organizations, financial  
 7 services organizations, as well as many of the  
 8 universities around the country.  
 9 **Q. So when a client of ID Experts' has a breach or**  
 10 **an unauthorized disclosure, can you please explain to**  
 11 **Judge Chappell the services that ID Experts might**  
 12 **provide to that client.**  
 13 A. It basically falls into three areas, the first  
 14 being assisting with the risk assessment to determine  
 15 the possibilities or the likely harms that might befall  
 16 the people who have been affected by that particular  
 17 incident.  
 18 It then involves assisting the organization in  
 19 the development of an incident response plan, basically  
 20 a response that provides communications to those  
 21 individuals.  
 22 The second area is typically providing the  
 23 printing of the notification letters, mailing of those  
 24 letters, as well as provision of call center services so  
 25 when consumers receive notification, they have a

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1 consumer hotline to call into to understand what the  
 2 risk might be based on the information that was  
 3 disclosed.  
 4 And third, really where our specialty lies and  
 5 where we started the company many years ago was really  
 6 helping people who fall victim to identity crimes  
 7 identify the issues that have been created by identity  
 8 thieves and return them to pretheft status.  
 9 **Q. So why would a company engage an entity like**  
 10 **ID Experts after an unauthorized disclosure or a**  
 11 **breach?**  
 12 A. Typically what will happen, an organization  
 13 that has a data breach may only experience this  
 14 particular incident once or twice or a handful of times  
 15 in the course of the careers of the people that are  
 16 part of the company, whether it's the executive team or  
 17 the privacy officer, and so they're looking for  
 18 experts, essentially an organization to help them  
 19 through the process, an organization that has been  
 20 through it many times before so that it can guide the  
 21 whole process, making sure there's positive outcomes  
 22 from the event, and most specifically helping those  
 23 people who have actually fallen victim to identity theft  
 24 or medical identity theft.  
 25 **Q. And approximately how many breaches or**

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1 **unauthorized disclosures has ID Experts worked on since**  
 2 **the company was founded?**  
 3 A. We've literally worked on hundreds of events. I  
 4 would say close to a thousand at this point.  
 5 **Q. Have you personally worked on any?**  
 6 A. Yes.  
 7 **Q. Of those that you have worked on, how would you**  
 8 **characterize your level of involvement?**  
 9 A. I typically play two roles. The first is as an  
 10 executive liaison to either the board or the management  
 11 team. And the second is, when there is media involved,  
 12 as the PR representative on behalf of that client.  
 13 **Q. And why would you serve as an executive**  
 14 **liaison?**  
 15 A. Well, what typically happens is that an  
 16 organization, again, may not have experienced something  
 17 like this before, a breach of personal -- sensitive  
 18 personal information, so the executive team wants  
 19 reassurance that we, as the organization helping them,  
 20 understand the nature and the risks that they're  
 21 facing.  
 22 And more specifically, they want to see us --  
 23 see me involved in making sure that they receive the  
 24 attention and all of the services to help them  
 25 remediate the risks.

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[REDACTED]

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1 guidance yesterday, we are at this time filing a motion  
2 that's being filed with the Office of the Secretary to  
3 withdraw --  
4 JUDGE CHAPPELL: It doesn't need to be a  
5 motion. Then I have to rule on that. Just a notice of  
6 withdrawal, a joint notice of withdrawal. That way, I  
7 don't have to rule on it.  
8 And so we're clear, the JX 2 in the record is  
9 the proper one.  
10 MS. VANDRUFF: Yes, Your Honor. There's no  
11 dispute about that. Thank you.  
12 JUDGE CHAPPELL: All right. Thank you.  
13 MR. SHERMAN: That's our understanding,  
14 Your Honor.  
15 JUDGE CHAPPELL: Okay. Thank you.  
16 MR. MEHM: Your Honor, complaint counsel would  
17 now like to call Mr. Kam to the stand.  
18 And I want to also take this opportunity to  
19 apologize for the slight delay about finding Mr. Kam.  
20 JUDGE CHAPPELL: Where was he?  
21 MR. MEHM: I think he may have just gone to  
22 the -- I don't know. I think -- we found him. He is  
23 here.  
24 JUDGE CHAPPELL: You felt better after he showed  
25 up; right?

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1 (Pause in the proceedings.)  
2 JUDGE CHAPPELL: It looks like the fates are  
3 against me in not having a break, so we're going to  
4 recess. We'll return at 4:00 p.m.  
5 We're in recess.  
6 (Recess)  
7 JUDGE CHAPPELL: All right. Back on the record.  
8 Next witness.  
9 MS. VANDRUFF: Your Honor, before we call  
10 Mr. Kam, can I just deal with one preliminary matter?  
11 JUDGE CHAPPELL: All right.  
12 MS. VANDRUFF: Your Honor, yesterday I  
13 represented that the parties had only served on your  
14 office JX 2, which is the parties' stipulation  
15 regarding the admissibility of certain exhibits. I was  
16 mistaken in that representation. I apologize.  
17 We are filing jointly, with respondent's  
18 counsel's consent, a motion to withdraw JX 2 that had  
19 been submitted last week because Your Honor has  
20 admitted the JX 2 that superseded that, and I just  
21 wanted to advise Your Honor of my misrepresentation.  
22 JUDGE CHAPPELL: Oh, I think I follow you. It  
23 was actually a motion or it was actually filed with --  
24 MS. VANDRUFF: It was actually filed with the  
25 Office of the Secretary. And following Your Honor's

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2 Whereupon --  
3 RICHARD LAWRENCE KAM  
4 a witness, called for examination, having been first  
5 duly sworn, was examined and testified as follows:  
6 DIRECT EXAMINATION  
7 BY MR. MEHM:  
8 **Q. Good afternoon, Mr. Kam.**  
9 **Please introduce yourself to the court.**  
10 A. My name is Richard Lawrence Kam, spelled K-A-M.  
11 **Q. And where are you currently employed?**  
12 A. At a company called ID Experts.  
13 **Q. And what is your title?**  
14 A. I'm the president and cofounder of ID Experts.  
15 **Q. And where is ID Experts based?**  
16 A. It's based in Portland, Oregon.  
17 **Q. And how many people does ID Experts currently**  
18 **employ?**  
19 A. We have 53 full-time equivalents.  
20 **Q. When did you found the company?**  
21 A. I founded the company back in 2003.  
22 **Q. How long have you worked at ID Experts?**  
23 A. Since that time.  
24 **Q. And how is the company structured?**  
25 A. It's structured as a C corp., traditional

1 **Q. So when you serve as executive liaison, how**  
2 **often might you typically interact with the executive**  
3 **team that you just referred to?**

4 A. When the organization first engages us,  
5 typically I'm involved in the very beginning,  
6 describing the services that we can provide, helping  
7 them assess the potential risks that they may face.  
8 And then as we engage, it typically is in many cases on  
9 a daily basis for several weeks.

10 **Q. Now, you stated earlier that ID Experts also**  
11 **specializes in assisting victims of identity theft and**  
12 **medical identity theft.**

13 **What did you mean by that?**

14 A. When someone falls victim to identity theft,  
15 there are a lot of issues that occur that the identity  
16 thieves create, and so we've developed a business that  
17 under limited power of attorney provides recovery  
18 advocacy, recovery advocates, people who are  
19 specialists in helping a victim identify the issues  
20 that have been created by an identity thief and work  
21 with them to expunge all of the negative records from  
22 their accounts.

23 **Q. Have you worked with victims of identity theft?**

24 A. Yes.

25 **Q. Describe the work that you've performed with**

1 specifically working with the institutions where this  
2 situation will crop up, like hospitals, payers and  
3 others, to be able to work them through, work with them  
4 to identify those issues and resolve them.

5 **Q. Can you please provide Judge Chappell with a few**  
6 **examples of the types of identity theft or medical**  
7 **identity theft cases that you or the teams working under**  
8 **your supervision have helped resolve.**

9 A. Well, it really ranges from an identity theft  
10 victim whose information may be used to get access to  
11 their existing accounts, perhaps a checking or savings  
12 account.

13 It may be a situation where an identity theft  
14 victim may have a -- their identity used to get tax  
15 refunds on the behalf of the identity thief, thereby  
16 delaying the ability for the victim to essentially get  
17 access to their -- or file their taxes and get access to  
18 their returns.

19 In the case of medical identity theft  
20 specifically, there have been cases that we've worked  
21 on where the electronic health file, the medical  
22 record, if you will, of the victim has been  
23 compromised, and we've had to work with not only the  
24 victim but the hospital, the payers, the labs, the  
25 organizations where this information has been corrupted

1 **victims of identity theft.**

2 A. So as recently as a couple of days ago,  
3 essentially what will happen is people who I know or  
4 know me will reach out and ask for assistance. They  
5 will typically do that because they're looking for  
6 someone who is empathetic, understands the issues of  
7 identity theft, someone who they can look to who is an  
8 expert in the issue and someone who will take care of  
9 their problems, so I'll get involved with typically  
10 more significant forms of identity theft and medical  
11 identity theft.

12 And essentially once I kind of help them  
13 understand what the potential issues are and the fact  
14 that they may have actually fallen victim to identity  
15 theft and medical identity theft, I'll assign somebody  
16 from my team who will then again work under limited  
17 power of attorney to identify all of the issues the  
18 victim may have seen and help them return to pretheft  
19 status.

20 **Q. And can you describe ID Experts work with**  
21 **victims of medical identity theft.**

22 A. Well, like victims of identity theft, medical  
23 identity theft, unfortunately, is more complex, and so  
24 it takes someone who is versed in some of the issues  
25 that a medical identity theft victim will see and

1 essentially to identify that this individual is a victim  
2 of medical identity theft and help them return to  
3 pretheft status.

4 **Q. In order to fully understand identity theft and**  
5 **medical identity theft and its consequences, how**  
6 **important is it to have practical experience like**  
7 **yours?**

8 A. You know, I think it's extremely important.

9 Again, I mentioned the aspect of trust. People  
10 who fall victim to identity theft and, unfortunately,  
11 medical identity theft feel like victims of spouse  
12 abuse, as an example. They're embarrassed. In many  
13 cases, they feel they may have let this happen to them  
14 themselves.

15 And so they're looking for people who are  
16 empathetic, who will listen and then demonstrate an  
17 ability to help them recover to pretheft status.

18 **Q. And how has having over a decade of**  
19 **on-the-ground daily experience with identity theft and**  
20 **medical identity theft helped you understand these**  
21 **issues?**

22 A. You know, it's given me a very unique  
23 perspective. You know, until you actually go through  
24 it, if you have never fallen victim to identity theft  
25 or have talked to somebody who has, you really don't

1 have a view of what happens and how people feel about  
2 this.

3 And so, you know, literally working with the  
4 hundreds in my case and in the case of my team tens of  
5 thousands of individual victims has given me true  
6 empathy for these people and what they're going through  
7 and, unfortunately, all of the horrible experiences that  
8 occur when they fall victim to identity theft and  
9 medical identity theft.

10 **Q. And setting aside for right now your experience  
11 with ID Experts, in what other ways have you worked on  
12 privacy issues, including identity theft or medical  
13 identity theft?**

14 A. I've had the opportunity over the years to  
15 participate in several data privacy working groups  
16 where we've not only identified some of the key issues  
17 around identity theft, medical identity theft and data  
18 breach but also have had the opportunity to publish  
19 white papers that help educate consumers as well as  
20 legislators and other -- and business about this  
21 particular topic.

22 **Q. And what working groups in these areas are you  
23 currently a member of?**

24 A. There's a list of them. I'll just quickly list  
25 them.

1 **Judge Chappell when that -- that was when my  
2 understanding is the group was officially formed,  
3 but --**

4 A. Right.

5 **Q. -- there was some work that was done before  
6 that. It might help, Mr. Kam, if you explain to  
7 Judge Chappell the work that was done prior to the  
8 official formation of MIFA.**

9 A. You know, prior to October '13, Your Honor, the  
10 idea of the Medical Identity Fraud Alliance actually  
11 came up late 2012. And the idea stemmed from the work  
12 that was done by an organization called the  
13 Financial Services Roundtable, literally the hundred  
14 largest banks in the U.S. getting together to develop  
15 best practices in the fight against financial fraud.

16 So several of us in the industry decided that  
17 we wanted to see if it was applicable to transfer the  
18 knowledge that we all had from the financial services  
19 industry in fighting financial fraud and identity theft  
20 to the healthcare industry, and so on March -- or in  
21 March of 2013, 40 of us -- 35 to 40 of us got together  
22 in Boston, and we decided that engaging the consumer in  
23 the fight against medical identity theft and medical  
24 fraud was something that needed to happen in the  
25 healthcare industry.

1 They include the International Association of  
2 Privacy Professionals, IAPP.

3 It includes the Health Care Compliance  
4 Association, HCCA.

5 It includes the Health Information Management  
6 Systems Society, HIMSS.

7 And the Medical Identity Fraud Alliance, MIFA  
8 for short.

9 **Q. So I'd like to take a moment and very quickly  
10 focus on your work with MIFA.**

11 **What is the Medical Identity Fraud Alliance?**

12 A. The Medical Identity Fraud Alliance is an  
13 alliance of approximately forty organizations that was  
14 put in place as of October of 2013.

15 **Q. And what is the goal of MIFA?**

16 A. The goal of MIFA is to bring together these  
17 organizations and essentially to help identify best  
18 practices in the fight against medical identity theft  
19 and medical fraud.

20 **Q. And how does MIFA --**

21 JUDGE CHAPPELL: Excuse me.

22 Is an organization that didn't start until  
23 October 2013 relevant to this case?

24 BY MR. MEHM:

25 **Q. Well, can you describe, Mr. Kam, for**

1 And therefore, organizations today like  
2 UnitedHealthcare, Aetna, Kaiser Permanente, AARP,  
3 Blue Cross Blue Shield Association, the National Health  
4 Care Anti-Fraud Association, and many others have joined  
5 forces essentially to provide resources to identify the  
6 problem and to educate the consumer.

7 **Q. And beyond the work that you did in founding  
8 MIFA, can you tell Judge Chappell just a little bit more  
9 about your work with this group.**

10 MS. MORGAN: Your Honor, I object to further  
11 testimony on MIFA, and I ask that the testimony on MIFA  
12 be stricken on the grounds that it is not relevant to  
13 this case because it was founded in 2012 and did not  
14 begin working until 2013.

15 MR. MEHM: Your Honor, the reason that we are  
16 just very briefly eliciting some testimony on this  
17 illustrative example of one of the working groups that  
18 Mr. Kam testified that he's involved with is to provide  
19 the court with some flavor of his background, his  
20 experience in working with identity theft and medical  
21 identity theft since that bears directly on the  
22 testimony and his opinions in this case and the facts of  
23 this case.

24 JUDGE CHAPPELL: Well, based on the objection,  
25 I'm not going to strike it or disregard it, but I get

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1 the gist of it, so let's summarize and move on and get  
 2 to the opinions.  
 3 MR. MEHM: Absolutely, Your Honor.  
 4 JUDGE CHAPPELL: So the objection is overruled,  
 5 I guess in part overruled.  
 6 MR. MEHM: Your Honor, with the court's  
 7 indulgence, may I ask Mr. Kam just a handful, very small  
 8 handful, a few more questions --  
 9 JUDGE CHAPPELL: Go ahead. But we're getting  
 10 too much into the weeds here on something.  
 11 MR. MEHM: Gotcha. I got it, Your Honor.  
 12 Thank you.  
 13 BY MR. MEHM:  
 14 **Q. So, Mr. Kam, what professional boards or**  
 15 **organizations have you belonged to in the past that**  
 16 **relate to privacy, including identity theft or medical**  
 17 **identity theft?**  
 18 A. You know, I've worked on several working groups  
 19 that include the International -- ANSI,  
 20 American National Standards Institute, the  
 21 Internet Security Alliance, and The Santa Fe Group  
 22 Shared Assessments Program.  
 23 **Q. Were you invited to participate in any of the**  
 24 **working groups that you just testified about?**  
 25 A. Yes.

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1 **Q. Which ones?**  
 2 A. Specifically with the American National  
 3 Standards Institute's projects.  
 4 **Q. Are you invited to speak or present regularly on**  
 5 **identity theft and medical identity theft?**  
 6 A. Yes.  
 7 **Q. What types of conferences or meetings have you**  
 8 **presented at?**  
 9 A. You know, I've presented at meetings of the  
 10 International Association of Privacy Professionals over  
 11 the years, the Health Care Compliance Association, as  
 12 well as the health information management HIMSS  
 13 organization that I mentioned earlier.  
 14 Most recently it's been even with the  
 15 American Bar Association. I'm presenting next month to  
 16 15,000 attorneys across the U.S. on this particular  
 17 topic.  
 18 **Q. And how often, approximately, do you speak on**  
 19 **identity theft, medical identity theft or privacy**  
 20 **issues?**  
 21 A. It's probably once or twice a month.  
 22 **Q. And have you published articles or other pieces**  
 23 **on medical identity theft and identity theft?**  
 24 A. Yes.  
 25 **Q. And where have some of those articles or other**

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1 **pieces been published?**  
 2 A. You know, they'll show up -- I have a monthly  
 3 column that Government Health IT asked me to write, as  
 4 well as it will show up in media like Bloomberg,  
 5 CBSNews.com, Forbes, other, other publications.  
 6 **Q. And approximately how many of these articles**  
 7 **have been published?**  
 8 MS. MORGAN: Objection, Your Honor.  
 9 Questions regarding the publication of news  
 10 articles in publications such as Bloomberg are not  
 11 relevant to this expert's -- or to this witness'  
 12 expertise.  
 13 JUDGE CHAPPELL: Are they in his CV?  
 14 MR. MEHM: I'm sorry, Your Honor. I couldn't  
 15 hear.  
 16 JUDGE CHAPPELL: Are these publications listed  
 17 in his CV that should be in the record?  
 18 MR. MEHM: Mr. Kam?  
 19 THE WITNESS: Yes, they are.  
 20 JUDGE CHAPPELL: Then we don't need to hear this  
 21 information.  
 22 That objection is sustained.  
 23 We don't need to repeat here what's already in  
 24 the record.  
 25 MR. MEHM: Understood.

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1 JUDGE CHAPPELL: I don't think you were here  
 2 earlier.  
 3 MR. MEHM: I'm sorry, Your Honor?  
 4 JUDGE CHAPPELL: I don't think you were here  
 5 earlier when the previous expert --  
 6 MR. MEHM: I was not here earlier today, so I  
 7 apologize if I missed that instruction.  
 8 BY MR. MEHM:  
 9 **Q. What professional certifications, if any, do you**  
 10 **hold, Mr. Kam?**  
 11 A. I hold a certification CIPP, a  
 12 Certified Information Privacy Professional  
 13 certification.  
 14 **Q. And how long have you held that certification?**  
 15 A. Since April 2010.  
 16 MR. MEHM: Your Honor, pursuant to commission  
 17 rule 3.31(a), I am tendering Mr. Kam as a qualified  
 18 expert witness in the field of medical identity theft  
 19 and identity theft.  
 20 MS. MORGAN: I object, Your Honor.  
 21 JUDGE CHAPPELL: On what basis?  
 22 MS. MORGAN: On the grounds that his expertise  
 23 has not been established, nor has his methodology been  
 24 tested, nor has his expertise specifically as pertains  
 25 to this case been established.

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1 JUDGE CHAPPELL: The objection is overruled.  
 2 And you don't have to formally tender an expert  
 3 in these proceedings. To the extent any opinions meet  
 4 the proper legal standards, they'll be considered.  
 5 Go ahead.  
 6 BY MR. MEHM:  
 7 **Q. Mr. Kam, when a company or other organization**  
 8 **experiences an unauthorized disclosure involving**  
 9 **sensitive consumer information, what types of harms can**  
 10 **a consumer whose information was disclosed suffer?**  
 11 A. It falls in a couple of areas, one being  
 12 identity theft and the other being medical identity  
 13 theft.  
 14 **Q. And what, Mr. Kam, is identity theft?**  
 15 A. Identity theft is when somebody uses another  
 16 person's identity without their permission. It  
 17 includes specifically things like their name, date of  
 18 birth, Social Security number, and perhaps financial  
 19 information to commit various identity theft crimes.  
 20 **Q. And can you describe what type of harms or**  
 21 **injuries do identity theft victims typically suffer.**  
 22 A. It falls in a couple of areas, one being  
 23 financial harms. Essentially an identity thief could  
 24 take over a victim's existing checking account, savings  
 25 account, perhaps their brokerage account.

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1 An identity thief may set up new accounts on the  
 2 victim's behalf, which might include credit accounts,  
 3 credit cards, gift cards, and so forth.  
 4 They may try to use that individual's identity  
 5 to impersonate or mask their own identity if they have a  
 6 criminal record or may have other issues with their own  
 7 identity.  
 8 And in the case of medical identity theft, there  
 9 are other harms that might occur.  
 10 **Q. And why would someone use another person's**  
 11 **identity without his or her permission?**  
 12 A. It's typically to -- for illicit financial  
 13 gain.  
 14 **Q. And what, Mr. Kam, is medical identity theft?**  
 15 A. Medical identity theft is when another person  
 16 uses someone's medical identity and to get access to  
 17 goods, services, prescription drugs perhaps, or to  
 18 fraudulently bill private public insurance like Medicare  
 19 and Medicaid.  
 20 **Q. And can you describe some of the harms that a**  
 21 **victim of medical identity theft -- excuse me. Strike**  
 22 **that.**  
 23 **Can you please describe some of the harms that a**  
 24 **victim of medical identity theft may experience.**  
 25 A. A victim of medical identity theft will

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1 experience financial, reputational and other harms.  
 2 **Q. And what types of information are frequently**  
 3 **used to commit medical identity theft?**  
 4 A. It includes name, date of birth, Social Security  
 5 number, health insurance number, as well as health  
 6 history and health information.  
 7 **Q. And how difficult is it for a consumer whose**  
 8 **information was disclosed in an unauthorized disclosure**  
 9 **to detect that he or she has become a victim of medical**  
 10 **identity theft?**  
 11 A. It's very difficult to detect.  
 12 **Q. And how about identity theft?**  
 13 A. Very difficult to detect.  
 14 **Q. Is it possible for a consumer to always know**  
 15 **about the security practices of every company that**  
 16 **collects or maintains his or her personal information?**  
 17 MS. MORGAN: Objection, Your Honor. This is  
 18 outside the scope of the expert report that was provided  
 19 to respondents.  
 20 MR. MEHM: Your Honor, if I may, this  
 21 information is directly in Mr. Kam's report.  
 22 JUDGE CHAPPELL: Well, when we have an objection  
 23 that an opinion is not in the report, you'll need to lay  
 24 the foundation with the witness to demonstrate where it  
 25 is in the report.

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1 MR. MEHM: Okay. So we will.  
 2 JUDGE CHAPPELL: At this time I won't rule on  
 3 the objection. You'll have an opportunity to  
 4 demonstrate that this opinion is in the report and where  
 5 it is.  
 6 MR. MEHM: And we absolutely will. Thank you,  
 7 Your Honor.  
 8 BY MR. MEHM:  
 9 **Q. Mr. Kam, can you please take a look at your**  
 10 **report that has been premarked as CX 0742. Your report**  
 11 **should be in the binder that is close to your chair.**  
 12 A. I'm sorry. Did you say CX 0742?  
 13 I see it. Thank you.  
 14 **Q. Yes. There is a tab in the binder that's**  
 15 **labeled CX 0742.**  
 16 **Do you recognize this document?**  
 17 **(Pause in the proceedings.)**  
 18 A. Yes, I do.  
 19 **Q. What is it?**  
 20 A. It's my expert report on the LabMD matter.  
 21 **Q. Who drafted this document?**  
 22 JUDGE CHAPPELL: You don't need to lay a  
 23 foundation for the report. It's already in evidence.  
 24 You need to demonstrate that the question you asked the  
 25 witness is in his report. That was the objection.

1 BY MR. MEHM:  
 2 **Q. Could you please turn, Mr. Kam, to page 17 of**  
 3 **your report.**  
 4 **And could you please look under the heading that**  
 5 **is approximately half way down the page entitled**  
 6 **Consumers' Ability to Avoid Possible Harms.**  
 7 A. Yes. I'm there.  
 8 **Q. Could I direct you, Mr. Kam, please, to the**  
 9 **first sentence of that paragraph.**  
 10 A. Uh-huh.  
 11 **Q. And so in light of that, let me ask you again,**  
 12 **is it possible for a consumer to always know about the**  
 13 **security practices of every company that collects or**  
 14 **maintains his or her personal information?**  
 15 A. As I expressed in my report, a consumer cannot  
 16 know about the security practices of every company that  
 17 collects or maintains his or her personal information.  
 18 JUDGE CHAPPELL: And seeing that in the report,  
 19 my ruling on the objection is, shall we say, touché.  
 20 Overruled.  
 21 BY MR. MEHM:  
 22 **Q. Is it always possible, Mr. Kam, for a consumer**  
 23 **to connect the dots by identifying the source of the**  
 24 **information used to harm them?**  
 25 A. No. It's very difficult actually.

1 track the report in your question. Just don't ask for  
 2 opinions to be elicited from the witness that are not in  
 3 the expert report.  
 4 I feel like since the objection you feel like  
 5 you have to go word by word through the report. You  
 6 don't have to do that. But just don't ask him to form  
 7 an opinion that's not contained in the report that was  
 8 submitted prior to trial.  
 9 MR. MEHM: I understand. Thank you.  
 10 BY MR. MEHM:  
 11 **Q. On page 17 of your report, Mr. Kam, can you talk**  
 12 **about the role, just very briefly, looking at those**  
 13 **couple paragraphs there, the role that notification**  
 14 **plays in consumers' ability to avoid potential harms**  
 15 **from identity theft and medical identity theft.**  
 16 A. Yes.  
 17 So because of the difficulty a consumer has in  
 18 knowing when an organization has disclosed the  
 19 information or had some kind of an issue relative to a  
 20 security failure, 41 states actually have put in place  
 21 data breach notification laws to compel organizations  
 22 to notify consumers of not only when a breach may have  
 23 occurred but also the types of information that have  
 24 been disclosed so that the consumer has the opportunity  
 25 to reduce their risk to falling victim to identity theft

1 **Q. Why?**  
 2 A. In the case of identity theft, again, a consumer  
 3 may not know who -- which companies have their  
 4 information.  
 5 In the case of medical identity theft, an  
 6 electronic health record or a paper-based medical  
 7 record is distributed among many of the participants in  
 8 the healthcare ecosystem, so one instance of a  
 9 healthcare record perhaps at a doctor's office may also  
 10 appear at several other organizations, including the  
 11 person's health insurance company. It may be at the  
 12 medical laboratory of that -- that the -- that that  
 13 provider works with. It may be in dozens of other  
 14 instances.  
 15 **Q. Looking again at page 17 of your report under**  
 16 **that same heading --**  
 17 JUDGE CHAPPELL: Let me be clear. I don't want  
 18 to throw you off your game here. You don't have to  
 19 track the report. Just don't elicit opinions from the  
 20 expert that aren't in his report.  
 21 MR. MEHM: I'm sorry, Your Honor. I'm having a  
 22 little trouble hearing you.  
 23 JUDGE CHAPPELL: Does anyone else hear me?  
 24 MR. SHERMAN: I can hear you, Judge.  
 25 JUDGE CHAPPELL: I'm saying, you don't have to

1 or medical identity theft.  
 2 **Q. And without notification, would consumers have**  
 3 **any way of independently knowing about an**  
 4 **organization's unauthorized disclosure of their**  
 5 **sensitive information?**  
 6 A. As I stated in my report, consumers would have  
 7 no way of knowing independently about an organization's  
 8 unauthorized disclosure of their sensitive personal  
 9 information.  
 10 **Q. Does notification, however, eliminate the risk**  
 11 **of harm to consumers from identity theft or medical**  
 12 **identity theft?**  
 13 A. You know, unfortunately not.  
 14 Consumers, even if notified by receiving a  
 15 first-class letter in the mail perhaps or receiving an  
 16 e-mail, often don't take the actions necessary to  
 17 reduce their risk of identity theft or medical identity  
 18 theft.  
 19 And in fact, many of the studies that have been  
 20 done over the last couple of years have shown that  
 21 consumers who are notified that their information has  
 22 been disclosed in the breach are actually at an  
 23 elevated risk of falling victim to various identity  
 24 crimes.  
 25 **Q. And how does the fact that a consumer's**

1 sensitive personal information was disclosed increase  
2 the risk of harm to them?

3 A. Primarily because their information is now out  
4 and available with the consumer having little if not any  
5 control over who may access that information.

6 Q. Let me turn back to your report. You testified  
7 about it just a moment ago, and I asked you some  
8 preliminary questions about it.

9 What did the FTC staff ask you to do in  
10 preparing this report?

11 A. The FTC asked me to assess the likely risk of  
12 injury, particularly from medical identity theft, to  
13 consumers whose information was disclosed in an  
14 unauthorized disclosure.

15 Q. And so in your report, you use the terms both  
16 "injury" and "harm."

17 In your report and in your testimony here today,  
18 do those terms mean the same thing?

19 A. Yes. I use "injury" and "harm" synonymously.

20 Q. And what did you rely upon in preparing your  
21 report?

22 A. You know, I relied on several things.

23 The documents that were provided by the  
24 Federal Trade Commission.

25 My experience over the last 11 years working

1 with victims of identity theft and medical identity  
2 theft, as well as clients who have breached sensitive  
3 personal information.

4 And also a literature review of what I believed  
5 was the most relevant research and information specific  
6 to identity theft, medical identity theft and data  
7 breach.

8 Q. And Mr. Kam, what is your opinion about the risk  
9 of harm to consumers from LabMD's failure to provide  
10 reasonable and appropriate security for sensitive  
11 personal information?

12 A. It's my opinion that there is a significant risk  
13 of injury, risk of harm, a substantive risk of harm, to  
14 these individuals from the unauthorized disclosures made  
15 by LabMD.

16 And can I just add one more comment there?

17 Q. Yes.

18 A. I'd just like to clarify for Your Honor, I used  
19 the word -- let's see -- in my report --

20 Q. And can you be specific about what page you're  
21 looking at, Mr. Kam?

22 A. Yeah.

23 In my report on page 9, I used the word  
24 "substantial injury." Again, I'm using probably several  
25 words to indicate that level of risk, substantial risk

1 of injury.

2 Q. So just to be clear for the record, could you  
3 read out the first sentence on page 9 about what your  
4 opinion is.

5 A. Yeah.

6 "In my opinion, LabMD's failure to provide  
7 reasonable and appropriate security for sensitive  
8 personal information, including medical information, is  
9 likely to cause substantial injury to consumers and puts  
10 them at significant risk of identity crimes."

11 Q. In reaching that conclusion, Mr. Kam, did you  
12 consider any specific incidents?

13 A. I considered two incidents, specifically what I  
14 identify as the P2P incident in my report as well as the  
15 Sacramento incident.

16 Q. And setting aside these two incidents, what else  
17 did you look at?

18 A. I also considered LabMD's failure to provide  
19 reasonable and appropriate security to put the  
20 approximately 750,000 consumers whose information they  
21 have on their network at risk of disclosure.

22 Q. Can you please describe your methodology for  
23 analyzing the risk of harm from what you term in your  
24 report as the P2P disclosure, the Sacramento disclosure,  
25 and LabMD's failure to provide reasonable and

1 appropriate security for the over 750,000 consumers  
2 whose personal information LabMD maintained on its  
3 computer networks.

4 A. I use an approach that has two steps  
5 essentially, starting with assessing the risk of harm or  
6 risk of injury to consumers from identity theft or  
7 medical identity theft, which is a four-factor risk  
8 assessment.

9 I then go on to look at the amount and the  
10 frequency or the impact from the particular facts of  
11 the case relative -- in this case relative to the LabMD  
12 case to identify what harms might befall these  
13 consumers.

14 Q. You just testified that you used four factors to  
15 assess -- to assess -- excuse me -- the risk of harm to  
16 consumers.

17 What are those four factors?

18 A. It starts with looking at the nature and the  
19 extent of the information that was disclosed.  
20 Specifically I'm looking for sensitive data elements  
21 that include name, date of birth, full nine-digit  
22 Social Security numbers, health insurance numbers,  
23 medical records that indicate sensitive health --  
24 sensitive health issues a patient may have, a consumer  
25 may have. I'm looking to identify the number of records

1 that were disclosed also.  
 2 So that's the first factor.  
 3 **Q. Can you please go on to describe briefly the**  
 4 **other three factors.**  
 5 A. Yeah. The other three factors include the --  
 6 to whom the disclosure was made, was this another  
 7 employee perhaps, was the disclosure made to another  
 8 employee, perhaps in the same institution, or was it  
 9 disclosed the another consumer perhaps or even an  
 10 identity thief.  
 11 The third is, was this information accessed and  
 12 viewed by these individuals.  
 13 And the fourth is what risk mitigation is taking  
 14 place in order to reduce the risk of harm to these  
 15 consumers.  
 16 **Q. And what are these four factors derived from?**  
 17 A. Primarily from my experience working with  
 18 other -- our clients, as well as working with other  
 19 privacy professionals who deal with data breaches,  
 20 you know, within their own organizations.  
 21 **Q. And anything else?**  
 22 A. You know, there may be some specific guides  
 23 that have been published by various organizations over  
 24 the last several years.  
 25 The issue of risk of harm is so central to the

1 analysis and the planning once a disclosure is made,  
 2 it -- it's -- it's central to all discussions that we as  
 3 privacy professionals have when we're trying to  
 4 determine what will happen or what could happen to  
 5 individuals once their unauthorized -- or once their  
 6 sensitive personal information is disclosed.  
 7 **Q. And why did you use this approach, Mr. Kam?**  
 8 A. When the FTC asked me to do an analysis, I  
 9 wanted to be sure that others in my profession who  
 10 could be asked to do something similar would arrive at  
 11 a similar assessment of risk. And therefore, I looked  
 12 at a way to make it simple or simpler to understand  
 13 what is a relatively complex and subjective assessment,  
 14 and therefore, I used four factors to describe this in  
 15 my report.  
 16 **Q. Mr. Kam -- excuse me. Court's indulgence.**  
 17 **(Pause in the proceedings.)**  
 18 **Is part of the reason, Mr. Kam, that you used**  
 19 **this methodology or approach so that others could test**  
 20 **your method?**  
 21 A. Yes.  
 22 **Q. Mr. Kam, I'd like to ask you some questions now**  
 23 **about the exposure of the 1718 File that you refer to in**  
 24 **your report as the P2P disclosure.**  
 25 **What is the 1718 File?**

1 A. It's a file indicated by the name that I  
 2 received called the insurance aging file and includes  
 3 the sensitive personal information of approximately  
 4 9300 consumers.  
 5 **Q. And who did this file belong to?**  
 6 A. According to the information I received and  
 7 reviewed, it belonged to LabMD.  
 8 **Q. And where, where was the 1718 File found?**  
 9 A. According to Robert Boback's testimony, it was  
 10 first found on February 5, 2008 by his company,  
 11 Tiversa.  
 12 **Q. And where did Tiversa find the file in**  
 13 **February of 2008?**  
 14 A. Again, according to Robert Boback's testimony,  
 15 it was found on a peer-to-peer network.  
 16 **Q. Was the file found after that?**  
 17 A. Yes.  
 18 **Q. How many times after February 2008 was the file**  
 19 **found?**  
 20 A. It was found several times.  
 21 It was found on November 5, 2008.  
 22 It was again found on April 7, 2011.  
 23 It was again found on June 9, 2011 and yet  
 24 again just before Robert Boback testified in  
 25 November 2013.

1 **Q. In what format was the 1718 File discovered?**  
 2 A. It was discovered in clear text, meaning anyone  
 3 who had access to a peer-to-peer network could view this  
 4 information.  
 5 **Q. What else was found at the locations where the**  
 6 **1718 File was found?**  
 7 A. Robert Boback in his testimony also stated that  
 8 there was information that could be used to commit  
 9 identity theft --  
 10 JUDGE CHAPPELL: I have a question here. Excuse  
 11 me, Mr. Kam.  
 12 THE WITNESS: Yes, sir.  
 13 JUDGE CHAPPELL: Are you asking this witness to  
 14 insert facts into the record or are you asking him this  
 15 because this is what he based his opinion on? Because  
 16 his factual assertions here are not going to have any  
 17 merit in the record.  
 18 MR. MEHM: I'm asking these questions,  
 19 Your Honor, because they are central to the methodology  
 20 that Mr. Kam used, which we are going to move to very  
 21 shortly, to discuss his analysis of the risk of harm  
 22 from this particular instance, so these facts are  
 23 critical, as Mr. Kam will testify about momentarily, to  
 24 his analysis.  
 25 JUDGE CHAPPELL: So if I understand this, he

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1 based a lot of his opinions on Mr. Boback's testimony.  
 2 BY MR. MEHM:  
 3 **Q. Mr. Kam, could you address that.**  
 4 A. Yes. Yes, sir.  
 5 So for the P2P incident specifically, the answer  
 6 is yes.  
 7 JUDGE CHAPPELL: All right. Thank you.  
 8 BY MR. MEHM:  
 9 **Q. And I'm sorry. Let me just look here at the**  
 10 **screen.**  
 11 **Mr. Kam, did you get a chance to respond to --**  
 12 **just -- excuse me. Court's indulgence.**  
 13 **(Pause in the proceedings.)**  
 14 **In your experience, Mr. Kam, do identity thieves**  
 15 **or medical identity thieves look for information on**  
 16 **peer-to-peer networks?**  
 17 A. Yes.  
 18 **Q. And what is your overall assessment of the risk**  
 19 **of harm to consumers based on the exposure of their**  
 20 **information in the 1718 File?**  
 21 A. My overall opinion is they are at significant  
 22 risk of harm to identity theft and medical identity  
 23 theft from the unauthorized disclosure of their  
 24 sensitive personal information.  
 25 **Q. And how did you conclude this?**

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1 A. Using the four factors that we described or  
 2 that we touched on earlier, as well as the other  
 3 documents that the Federal Trade Commission provided.  
 4 **Q. And so let's turn now to those factors.**  
 5 **In applying the first factor, which you**  
 6 **testified a few moments ago encompasses the nature and**  
 7 **the extent of the information disclosed, what type of**  
 8 **information about consumers is contained in the**  
 9 **1718 File?**  
 10 A. Specifically in the 1718 File what I reviewed  
 11 included names, full name, first name, last name, middle  
 12 initial. It included dates of birth. It included full  
 13 nine-digit Social Security numbers. It included medical  
 14 diagnostic codes, CPT codes specifically, as well as  
 15 billing information and amounts.  
 16 Oh, and I should mention health insurance  
 17 numbers, health insurance addresses, health insurance  
 18 phone numbers and their addresses.  
 19 **Q. And how would you characterize generally the**  
 20 **sensitivity of this data?**  
 21 A. Generally it's very sensitive data. It could be  
 22 used to commit identity theft and medical identity  
 23 theft.  
 24 **Q. And why could this information be valuable to an**  
 25 **ID thief or a medical ID thief?**

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1 A. It could be used to commit all -- many forms of  
 2 identity crimes, both for financial illicit gain as well  
 3 as to potentially cause embarrassment or for  
 4 reputational harm.  
 5 JUDGE CHAPPELL: Is medical ID theft  
 6 fraudulently procuring someone else's medical benefits?  
 7 THE WITNESS: Yes. Yes, sir.  
 8 BY MR. MEHM:  
 9 **Q. To what extent, Mr. Kam, does a consumer**  
 10 **generally change any of the information -- and I'm**  
 11 **talking about the sensitive consumer information -- that**  
 12 **was exposed in the 1718 File?**  
 13 A. You know, generally the information in that  
 14 particular file won't change. There will be  
 15 circumstances where an individual will change their  
 16 name. They'll change perhaps their insurance provider,  
 17 you know, but -- they may even change their address  
 18 multiple times moving from one place to another. But  
 19 the -- specifically the Social Security number and their  
 20 medical history won't change.  
 21 **Q. And does any of this information have a long**  
 22 **shelf life or live on for an extended period of time?**  
 23 A. Yes.  
 24 Specifically, Ryan, in the case of  
 25 Social Security numbers, unfortunately, research has

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1 shown that identity thieves, if they don't use the  
 2 information themselves, will sell that data to an  
 3 average of eight other criminals.  
 4 In the case of health information, specifically  
 5 health insurance numbers, that information has a very  
 6 high street value in the black market, so whereas a  
 7 Social Security number or a credit card payment --  
 8 credit card number may be worth a dollar in the black  
 9 market, it's been shown or it's -- you'll see articles  
 10 reference health information may be worth \$50 and  
 11 upwards of \$500 to \$1,000 on the black market.  
 12 **Q. Beyond what you just testified about a**  
 13 **Social Security number having a long shelf life, is**  
 14 **there any other categories of data that was contained in**  
 15 **the 1718 File that typically has a fairly long shelf**  
 16 **life?**  
 17 A. Well, essentially the consumer's health record,  
 18 their health information. If you're diagnosed with  
 19 prostate cancer or HIV or herpes or hepatitis, that  
 20 typically doesn't change.  
 21 **Q. Because some of this data has a long shelf life**  
 22 **and consumers rarely change it, can you describe how**  
 23 **consumers are at an ongoing risk of harm from the**  
 24 **disclosure of that information?**  
 25 A. Well, from the -- from identity theft, thieves

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1 will continue to or will use that information to commit  
 2 identity crimes, whether it's, like I mentioned earlier,  
 3 setting up new accounts or using that person's  
 4 information for illicit financial gain.  
 5 In the case of health insurance information,  
 6 like Your Honor mentioned earlier, use of that  
 7 information -- or asked earlier about, use of that  
 8 information to defraud Medicare or Medicaid is a very  
 9 significant problem today to the tune of anywhere from  
 10 80 to 120 billion dollars is being defrauded out of the  
 11 Medicare and Medicaid systems today because of medical  
 12 identity fraud.  
 13 **Q. And why is it that consumers are at an ongoing**  
 14 **risk of harm from the exposure of this information that**  
 15 **has a long shelf life and that consumers rarely change?**  
 16 A. It's because this information is out and  
 17 available and it's impossible to make this information  
 18 private again, especially the health information.  
 19 MR. MEHM: Your Honor, I would request --  
 20 respectfully request that we go into an in camera  
 21 session at the end of Mr. Kam's examination to discuss  
 22 the 1718 File, which is CX 0010, which Your Honor  
 23 previously granted in camera status for.  
 24 In the in camera session, I also plan, with your  
 25 permission, to ask Mr. Kam about another document,

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1 CX 0085, which you also previously granted in camera  
 2 status for.  
 3 JUDGE CHAPPELL: Okay. Just to clarify, are you  
 4 asking for in camera now or are you giving me an  
 5 advisory warning?  
 6 MR. MEHM: A heads-up.  
 7 JUDGE CHAPPELL: So not at this time.  
 8 MR. MEHM: Not at this time.  
 9 JUDGE CHAPPELL: Okay. And for future  
 10 reference, you don't have to tell me what the documents  
 11 are. I will trust you to know what's in camera. Just  
 12 ask me for the in camera session.  
 13 So we're not there yet.  
 14 MR. MEHM: That's correct, Your Honor.  
 15 JUDGE CHAPPELL: All right. Let me know.  
 16 MR. MEHM: Okay. I will. Thank you.  
 17 BY MR. MEHM:  
 18 **Q. Mr. Kam, let's turn now to the second and third**  
 19 **risk factors.**  
 20 **In assessing those factors -- and you testified**  
 21 **earlier that is to whom the disclosure was made and**  
 22 **whether the information was acquired and viewed -- what**  
 23 **information did you consider?**  
 24 A. You know, I considered, again, the testimony  
 25 from Robert Boback, where he stated that that

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1 information was found -- the information in the  
 2 1718 File specifically was found at four IP addresses.  
 3 **Q. And were there other elements that you**  
 4 **considered from Mr. Boback's testimony regarding the**  
 5 **second and third factors?**  
 6 A. Yes. It had -- there was I believe at one of  
 7 those four IP addresses a suspect who was arrested by  
 8 federal law enforcement who was suspected of committing  
 9 identity theft.  
 10 MS. MORGAN: Objection, Your Honor.  
 11 JUDGE CHAPPELL: Basis?  
 12 MS. MORGAN: The witness does not have personal  
 13 knowledge of this incident. He doesn't know -- he  
 14 doesn't have personal knowledge of whether anyone was  
 15 arrested in connection with an IP address.  
 16 MR. MEHM: Your Honor, Mr. Kam testified that he  
 17 based his assessment of this -- of these two risk  
 18 factors on Mr. Boback's testimony and there is  
 19 information to that effect in the transcript of  
 20 Mr. Boback.  
 21 JUDGE CHAPPELL: Well, the way I read this, he  
 22 was asked what other elements he considered. He told us  
 23 something he believed. I would think that would be  
 24 something you would want to inquire into in cross rather  
 25 than objecting at this time.

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1 Do you withdraw your objection?  
 2 MS. MORGAN: Your honor, as long as it's clear  
 3 in the record that that came -- that he drew that fact  
 4 from Mr. Boback's testimony, then I will withdraw my  
 5 objection.  
 6 JUDGE CHAPPELL: I think that's clear based on  
 7 the form of the question.  
 8 Go ahead.  
 9 MR. MEHM: Yeah. Thank you, Your Honor.  
 10 BY MR. MEHM:  
 11 **Q. Turning to factor four, Mr. Kam -- and that, as**  
 12 **you testified earlier to, deals with the mitigation of**  
 13 **risk -- to what extent could consumers have mitigated**  
 14 **the risk of identity theft or medical identity theft**  
 15 **created by the unauthorized disclosure of their personal**  
 16 **information in the 1718 File?**  
 17 A. You know, as I mentioned earlier, consumers  
 18 have no way of knowing when an organization has a  
 19 disclosure unless they are notified by the organization  
 20 that had the breach.  
 21 In this case, my reading of Michael Daugherty's  
 22 testimony stated -- where he stated that they  
 23 decided -- LabMD decided not to go to notification;  
 24 therefore, these consumers, these 9300 consumers, whose  
 25 information was disclosed, whose sensitive personal

1 information was disclosed, had no opportunity to  
2 understand that there was a risk and then to take the  
3 appropriate actions to reduce the risk of falling victim  
4 to identity crimes.

5 **Q. So just to be clear for the record, is it your  
6 testimony that consumers could not have mitigated the  
7 risk of identity theft or medical identity theft created  
8 by the unauthorized disclosure of their personal  
9 information?**

10 A. Yes.

11 **Q. And I'd also just want to clarify for the record  
12 that in looking at this factor, you also considered the  
13 testimony of Mr. Daugherty.**

14 A. Yes.

15 **Q. So your analysis of the 1718 File is not based  
16 solely of the P2P -- what you call the P2P disclosure is  
17 not based solely on Mr. Boback's testimony; is that  
18 correct?**

19 A. That's correct.

20 And just for clarity, Ryan, I should add,  
21 besides the two depositions that I had the opportunity  
22 to review, I also looked at the research on identity  
23 theft and medical identity theft, which is in my  
24 literature review, which goes into extensive coverage of  
25 what the potential injuries to consumers are from those

1 **Q. So even if LabMD had provided notice to  
2 consumers regarding the unauthorized disclosure of their  
3 information, their sensitive personal information in the  
4 1718 File, would this have eliminated the risk of harm  
5 to consumers from identity theft and medical identity  
6 theft?**

7 A. You know, unfortunately not.

8 What I've experienced is, consumers, even if  
9 they do receive a notification letter from an  
10 organization, they don't understand the risk that  
11 they're facing, whether it's identity theft and more so  
12 in the case of medical identity theft.

13 So unfortunately, even though they've been  
14 alerted to the fact that there's been an issue, many  
15 consumers don't take advantage of what an organization  
16 might offer to help reduce the risk, putting them at an  
17 elevated risk of falling victim to identity theft,  
18 medical identity theft and identity crimes.

19 **Q. And why is that?**

20 A. You know, if I knew, I would love to tell you.  
21 But from my personal experience working with  
22 organizations who have lost hundreds of thousands or if  
23 not billions of records of consumers, I think part of it  
24 is consumers don't understand the risk, partly because  
25 it's very complex. They don't understand what

1 two instances, as part of my consideration.

2 JUDGE CHAPPELL: Who's Ryan?

3 MR. MEHM: Complaint counsel. That's me.

4 BY MR. MEHM:

5 **Q. Why is it that a consumer could not have  
6 mitigated the risk of identity theft or medical identity  
7 theft in this instance?**

8 A. They would have no way of knowing that their  
9 sensitive personal information had been disclosed.

10 **Q. And how does notice mitigate potential harm to  
11 consumers?**

12 A. Proper notice from an organization that has  
13 breached information provides details to consumers on  
14 the timing of the disclosure, as well as what  
15 information was disclosed, like in this case name,  
16 Social Security number, date of birth, and the like.

17 They also will typically prescribe certain  
18 actions consumers can take based on the incident to  
19 reduce their risk, whether it's contacting the credit  
20 bureaus, whether it's setting fraud alerts, whether it's  
21 contacting the organization itself.

22 A proper consumer notification will include many  
23 if not all of these items to help a consumer understand  
24 and assess their risk and take the appropriate actions  
25 to reduce the risk.

1 organizations necessarily have their information.

2 But also part of the -- in the case of medical  
3 identity theft, there's not many tools to identify those  
4 risks, so, for example, there's no medical identity  
5 bureau that monitors, you know, the -- a health  
6 transaction and then alerts a consumer that there's been  
7 potential misuse of their identity.

8 **Q. Mr. Kam, what types of harms related to medical  
9 identity theft are consumers likely to suffer from the  
10 unauthorized disclosure of their information in the  
11 1718 File?**

12 A. It falls into three areas, financial harm, other  
13 harms and reputational harm.

14 **Q. Were you able to make a determination about the  
15 risk of harm -- excuse -- strike that.**

16 **Were you able to make a determination about the  
17 financial risk of harm from medical identity theft from  
18 exposure of the 1718 File?**

19 A. Yes.

20 **Q. Were you able to estimate it?**

21 A. Yes. I was able to estimate the estimated  
22 out-of-pocket costs a consumer would experience.

23 **Q. How many consumers, Mr. Kam, are likely to  
24 become victims of medical identity theft as a result of  
25 the exposure of the 1718 File?**

1 A. I estimated 76 consumers out of the  
2 9300 consumer records affected would fall victim to  
3 medical identity theft.

4 **Q. Of these, of these, how many do you estimate  
5 will experience financial, out-of-pocket losses?**

6 A. I estimated 27 individuals would have financial  
7 repercussions, specifically out-of-pocket costs.

8 **Q. And on average, how much will each of those  
9 27 victims suffer?**

10 A. On average, \$18,660 of out-of-pocket costs.

11 **Q. And can you please break down for  
12 Judge Chappell what that \$18,660 in out-of-pocket costs  
13 consist of.**

14 A. It consists of three things, the first being  
15 victim -- the victim paying for service -- paying  
16 providers for services that were given to the identity  
17 thief or provided to the identity thief.

18 The second is for legal identity protection and  
19 credit counseling.

20 And the third is to pay for medical services  
21 because their health insurance has lapsed.

22 **Q. And what did you look at or consider to arrive  
23 at this conclusion?**

24 A. You know, I looked at a range of research that  
25 exists on medical identity theft, specifically starting

1 **applying the Ponemon study to your estimates?**

2 A. You know, when I looked at the calculation to  
3 develop my estimates, I viewed the calculations to be  
4 the floor, so the minimum, at least the minimum number  
5 of people who might fall victim to identity theft, in  
6 this case medical identity theft, as opposed to the  
7 universe of all of the issues that an individual  
8 consumer could see from medical identity theft.

9 **Q. And what was it in the Ponemon study that led  
10 you to conclude that the financial out-of-pocket cost  
11 estimates are a floor?**

12 A. Well, the Ponemon study specifically was -- its  
13 objective was to identify the frequency and the impact  
14 of medical identity theft on an average -- on a U.S.  
15 citizen, on an average U.S. citizen, not necessarily  
16 from someone who -- whose information was disclosed in  
17 an unauthorized disclosure. And therefore, if you look  
18 at the average risk an individual sees, it's the -- I  
19 used it as the floor as opposed to the universe.

20 I think I mentioned earlier, people whose  
21 information -- whose sensitive information is disclosed  
22 because of a data breach has been shown through other  
23 research to be at an elevated risk of identity theft and  
24 medical identity theft.

25 Specifically, you know, there's been research

1 as -- with a report by Pam Dixon that was published in  
2 2006.

3 I probably looked at a dozen or so research  
4 reports, including from organizations like the  
5 Bureau of Justice Statistics, Javelin Strategy and  
6 Research, and others.

7 And what I concluded was the most -- the best  
8 report to use that was applicable to this case was based  
9 on research done by the Ponemon Institute, and so I  
10 used --

11 **Q. And what --**

12 A. I'm sorry.

13 **Q. Excuse me. Please go ahead. Finish your  
14 answer.**

15 A. I was going to say the 2013 Ponemon Institute  
16 research study on medical identity theft.

17 **Q. And so that is what you concluded, just to be  
18 clear for the record, would be the best study to apply  
19 to the facts of this case?**

20 A. And -- it was. And specifically, it was the  
21 only study that looked specifically at the harms the  
22 victim would see from a financial and other harms  
23 perspective. There was no other study I could find that  
24 was as specific or as reliable as the Ponemon Institute.

25 **Q. Mr. Kam, what limitation exists with respect to**

1 done on identity theft, but not necessarily looking at  
2 the information in terms of elevated risk for medical  
3 identity theft from a breach.

4 So versus guessing and trying to pinpoint  
5 whether a breach would increase the risk by some  
6 percentage, what I decided to do so others could repeat  
7 my analysis, if necessary, was to use the base rate or  
8 factor for medical identity theft as identified in the  
9 Ponemon Institute and use that to calculate the  
10 76 consumers who are either today victims of identity --  
11 medical identity theft or will become victims of medical  
12 identity theft.

13 **Q. Given that the Ponemon study looked at financial  
14 harm from medical identity theft across the entire U.S.  
15 population instead of, as I understand it, focusing on a  
16 smaller subset of breached consumers, why then did you  
17 look to the Ponemon study?**

18 A. Because it literally is the only study I could  
19 identify that provided the methodology or an estimate  
20 that I could -- that was objective, quite honestly.

21 **Q. And just to be clear for the record, what does  
22 that use of that methodology mean in terms of the  
23 projections that you gave us a few minutes ago about the  
24 76 and the 27 consumers?**

25 A. A way to think about it is that's the minimum

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1 number or at least the number -- 76 is at least the  
 2 number of the victims who could be victims of medical  
 3 identity theft based on the formula that I used.  
 4 **Q. And does that same formulation also -- the**  
 5 **"at least" formulation also apply to the 27 victims who**  
 6 **likely will suffer out-of-pocket -- financial**  
 7 **out-of-pocket costs for medical identity theft?**  
 8 A. Yes.  
 9 **Q. Mr. Kam, what role did ID Experts play in the**  
 10 **Ponemon study?**  
 11 A. We were one of the sponsors of that particular  
 12 study.  
 13 **Q. And as a sponsor, what say or influence did**  
 14 **ID Experts have over the study or its results or its**  
 15 **findings?**  
 16 A. We have no -- we had no influence over that.  
 17 **Q. You testified earlier, Mr. Kam, that consumers**  
 18 **are likely to suffer financial harms, I believe you**  
 19 **called it other harms, and reputational harms from the**  
 20 **exposure of the 1718 File.**  
 21 **What are some of the other harms that consumers**  
 22 **whose information was exposed in the 1718 File likely to**  
 23 **suffer?**  
 24 A. The other harms are driven primarily by a  
 25 consumer's electronic or medical record being

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1 compromised. And they include a misdiagnosis of  
 2 illness, delay in treatment, mistreatment, wrong  
 3 prescriptions prescribed, and the potential for  
 4 withdrawal of health insurance, loss of health  
 5 insurance.  
 6 **Q. Mr. Kam, I'd like to turn now to a document that**  
 7 **has been marked as CXD 04.**  
 8 **And Mr. Owens, if you could please pull this**  
 9 **up.**  
 10 **And Mr. Kam, that document also should be in**  
 11 **your binder that's in front of you.**  
 12 A. I see it, yes, I do.  
 13 **Q. Mr. Kam, what is this document?**  
 14 A. It describes the other harms from medical  
 15 identity theft consumers could see from an unauthorized  
 16 disclosure of their sensitive information.  
 17 **Q. Is the information on CXD 04 contained within**  
 18 **your expert report?**  
 19 A. Yes.  
 20 **Q. Does CXD 04 accurately reflect the information**  
 21 **in your expert report?**  
 22 A. Yes.  
 23 **Q. And turning now to CXD 04, what does it show?**  
 24 A. It shows the projected number of victims  
 25 suffering from other harms from medical identity theft,

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1 and it goes through the various harms that I mentioned  
 2 earlier, identifying the specific number of victims that  
 3 I estimated for this case.  
 4 **Q. So let's go down the chart and let's turn first**  
 5 **to the first row under the -- in the chart under the**  
 6 **headings -- under the heading Other Harms From Identity**  
 7 **Theft?**  
 8 JUDGE CHAPPELL: How much more time do you think  
 9 you'll need for your direct?  
 10 MR. MEHM: Approximately one hour.  
 11 JUDGE CHAPPELL: All right. We're going to cut  
 12 off here in about five minutes, so proceed accordingly.  
 13 BY MR. MEHM:  
 14 **Q. Turning to the first row of the demonstrative in**  
 15 **front of you, Mr. Kam, approximately how many consumers**  
 16 **whose information was exposed in the 1718 File are**  
 17 **projected to have an illness misdiagnosed as a result of**  
 18 **the incident?**  
 19 A. I estimated 11.  
 20 **Q. And what potential consequences could a consumer**  
 21 **experience from having an illness misdiagnosed?**  
 22 A. It could be some very serious health  
 23 implications, including potential death of the  
 24 consumer.  
 25 **Q. And approximately how many consumers whose**

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1 **information was exposed in the 1718 File will experience**  
 2 **a delay in receiving medical treatment as a result of**  
 3 **the incident?**  
 4 A. I estimated also 11.  
 5 **Q. And what potential consequence or consequences**  
 6 **could a consumer experience from a delay in receiving**  
 7 **medical treatment?**  
 8 A. You know, again, it could impact their ability  
 9 to receive timely healthcare, which could impact their  
 10 overall safety and again potentially result in death of  
 11 the consumer.  
 12 **Q. And approximately how many consumers whose**  
 13 **information was exposed in the 1718 File will have an**  
 14 **illness mistreated as a result of the incident?**  
 15 A. I estimated ten consumers.  
 16 **Q. And what potential consequence or consequences**  
 17 **could a consumer experience from having an illness**  
 18 **misdiagnosed?**  
 19 A. Well, in this case, yeah, I think you asked  
 20 about mistreatment?  
 21 **Q. Yes. Excuse me. I'm sorry. Mistreatment.**  
 22 A. So an example of that is, I mentioned if your  
 23 electronic health record or your medical record is  
 24 compromised. What happens is a victim's medical records  
 25 will merge with those of the identity thief, so if the

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1 identity thief perhaps has a different blood type than  
 2 you do as the consumer, having the wrong blood  
 3 transfused in the emergency room can cause some serious  
 4 risks to health.  
 5 **Q. Mr. Kam, approximately how many consumers whose**  
 6 **information was exposed in the 1718 File will have the**  
 7 **wrong drug prescribed as a result of the incident?**  
 8 A. I estimated eight.  
 9 **Q. And what potential consequence could a consumer**  
 10 **experience from having the wrong drug prescribed?**  
 11 A. Serious threats to their health and safety, an  
 12 example of which could be a consumer who's allergic to  
 13 penicillin being prescribed penicillin and having a very  
 14 negative reaction to that.  
 15 **Q. And approximately how many consumers whose**  
 16 **information was exposed in the 1718 File will lose their**  
 17 **health insurance as a result of the incident?**  
 18 A. I estimated 30.  
 19 **Q. And what potential consequence could a consumer**  
 20 **experience from losing their health insurance?**  
 21 A. Risk to their health by not being able to get  
 22 access to timely medical services.  
 23 **Q. What did you base the projections in CXD 04 on?**  
 24 A. I based them on the information, the facts of  
 25 the LabMD case, the documents that I received from the

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1 CERTIFICATION OF REPORTER  
 2  
 3 DOCKET/FILE NUMBER: 9357  
 4 CASE TITLE: In Re LabMD, Inc.  
 5 HEARING DATE: May 21, 2014  
 6  
 7 I HEREBY CERTIFY that the transcript contained  
 8 herein is a full and accurate transcript of the notes  
 9 taken by me at the hearing on the above cause before the  
 10 FEDERAL TRADE COMMISSION to the best of my knowledge and  
 11 belief.  
 12  
 13 DATED: MAY 25, 2014  
 14  
 15 JOSETT F. WHALEN, RMR  
 16  
 17  
 18  
 19 CERTIFICATION OF PROOFREADER  
 20  
 21 I HEREBY CERTIFY that I proofread the transcript  
 22 for accuracy in spelling, hyphenation, punctuation and  
 23 format.  
 24  
 25 ELIZABETH M. FARRELL

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1 Federal Trade Commission, as well as the formulas that  
 2 were prescribed or defined in the research from the  
 3 Ponemon Institute, specifically the 2013 edition of the  
 4 Ponemon Institute's research on medical identity theft.  
 5 **Q. And specifically, are you referring to the**  
 6 **Ponemon 2013 Survey on Medical Identity Theft?**  
 7 A. Yes.  
 8 **Q. And what limitation, if any, exists regarding**  
 9 **the projections on the CXD 04?**  
 10 A. Much like I described for the financial  
 11 out-of-pocket, these estimates should be viewed as a  
 12 floor versus the total universe of all potential injury  
 13 these consumers can see.  
 14 MR. MEHM: Your Honor, this may be a good time  
 15 to conclude for today. I'm about to start on another  
 16 line of questioning.  
 17 JUDGE CHAPPELL: All right. We'll do that.  
 18 MR. MEHM: Thank you very much.  
 19 JUDGE CHAPPELL: We'll continue tomorrow at  
 20 0930.  
 21 We're in recess.  
 22 (Whereupon, the foregoing hearing was adjourned  
 23 at 5:33 p.m.)  
 24  
 25

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