

The Honorable Robert J. Bryan

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**UNITED STATES DISTRICT COURT
WESTERN DISTRICT OF WASHINGTON
AT TACOMA**

UGOCHUKWU GOODLUCK NWAUZOR,
FERNANDO AGUIRRE-URBINA,
individually and on behalf of all those
similarly situated,

Plaintiffs/Counter-Defendants,

v.

THE GEO GROUP, INC.,

Defendant/Counter-Claimant.

Case No.: 3:17-cv-05769-RJB

**DECLARATION OF COLIN L. BARNACLE
IN SUPPORT OF DEFENDANT THE GEO
GROUP, INC.'S MOTION TO EXCLUDE
EXPERT TESTIMONY OF JEFFREY
MUNSON**

I, Colin L. Barnacle, make the following statement under oath subject to the penalty of perjury pursuant to the laws of the United States and the State of Washington:

1. I am the attorney for The GEO Group, Inc. in the above-captioned matter. I am over the age of eighteen (18), and I am competent to testify in this matter.

2. Attached are true and correct copies of the following exhibits:

EXHIBIT A: Excerpts of the deposition of Jeffrey Munson, who was deposed by The GEO Group, Inc. on December 12, 2019.

EXHIBIT B: Expert report of Jeffrey Munson dated September 11, 2019.

EXHIBIT C: Excerpts of the deposition of Ryan Kimble, who was deposed by the State of Washington on July 9, 2018.

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Dated this 2nd day of January, 2020, at Denver, Colorado.

Akerman, LLP

s/ Colin L. Barnacle
Colin L. Barnacle (Admitted *pro hac vice*)
Attorney for Defendant The GEO Group, Inc.

PROOF OF SERVICE

I hereby certify on the 2nd day of January 2020, pursuant to Federal Rule of Civil Procedure 5(b), I electronically filed and served the foregoing **DEFENDANT THE GEO GROUP, INC.’S MOTION TO EXCLUDE EXPERT TESTIMONY OF JEFFREY MUNSON** via the Court’s CM/ECF system on the following:

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EXHIBIT A



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In the Matter of:

NWAUZOR et. al

vs

GEO GROUP

JEFFREY MUNSON

December 12, 2019

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NWAUZOR et. al vs GEO GROUP
Munson, Jeffrey - December 12, 2019

UNITED STATES DISTRICT COURT
WESTERN DISTRICT OF WASHINGTON

NWAUZOR et. al,)
)
 Plaintiff,)
)
 vs.) No.
) 3:17-cv-05769-RJB
 THE GEO GROUP,)
)
 Defendant.)

DEPOSITION OF JEFFREY MUNSON, PH.D.

December 12, 2019

Seattle, Washington

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EXAMINATION INDEX

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EXHIBIT INDEX

EXHIBIT NO.	DESCRIPTION	PAGE NO.
Exhibit No. 366	Plaintiffs' Expert Witness Disclosure	7
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1 BE IT REMEMBERED that on Thursday,
2 December 12, 2019, at 810 Third Avenue, Suite 500,
3 Seattle, Washington, at 10:20 a.m., before APRIL COOK,
4 CCR, appeared JEFFREY MUNSON, PH.D., the witness herein;
5 WHEREUPON, the following proceedings
6 were had, to wit:

7
8 <<<<<< >>>>>>

9
10 JEFFREY MUNSON, PH.D., having been first duly sworn
11 by the Certified Court
12 Reporter, testified as
13 follows:

14
15 EXAMINATION

16 BY MS. SCHEFFEY:

17 Q So my name is Adrienne Scheffey, and I'm here on behalf
18 of the GEO Group today. I wanted to start with a few
19 housekeeping items.

20 Have you ever been deposed before?

21 A Yes.

22 Q Okay. So you probably already know this, but I always
23 repeat it because I think it's the most important rule.
24 She's taking down everything we say. If we both speak at
25 the same time, she can't write down what we're saying.

1 A -- and majored in psychology.

2 Q Okay. Did you have -- did you obtain any other degrees
3 after that?

4 A Yes. I got a Ph.D. at the University of Washington,
5 studying child clinical psychology.

6 Q Okay. And what is child clinical psychology entail?

7 A The program at the University of Washington is
8 a research-oriented program. But given its clinical
9 psychology, focus on children, the course of study was
10 on general childhood psychopathology, treatment and
11 assessment of family's and children's mental health
12 issues, alongside of research training in order to
13 conduct research in those fields.

14 Q Okay. And when you say "research training," what does
15 that mean?

16 A That means statistics, research sort of experimental
17 design and methodology and...

18 Q Okay. And is part of that interviewing people and
19 collecting the data or is it more assessing the data
20 afterwards?

21 A It would include both --

22 Q Okay.

23 A -- of those things.

24 Q And so where do you currently work?

25 A I work at the University of Washington.

1 Q Okay. How long have you worked there?

2 A I started working there after I graduated in 1998 and
3 was a research scientist. That was my role for a number
4 of years and then moved to be a research professor. A
5 similar role: Doing research. Studying autism primarily
6 the project's I've been working on.

7 Q What do you do as a research professor?

8 A I am involved in, you know, the full array, from
9 designing research studies, writing grants for those,
10 the collection of data. My primary role, though, the --
11 the portion of that that I spend most of my time on is
12 managing the data infrastructure for lots of studies
13 where I manage, you know, information that comes from,
14 you know, clinical assessments, people interviewing
15 families or children, interacting -- interacting with
16 them, doing, you know, cognitive testing, those kinds of
17 things, plus data generated through machines like eye
18 trackers or EEG and other kinds of sensor-based data.
19 And I manage that and analyze it to address the research
20 questions we have.

21 Q And when you say you "manage" it, does that mean you
22 organize it in a system or does that mean something else?

23 A No, that -- it means organizing it in a system. You
24 know, building a database that, you know, can handle the
25 different sources of data; allows people to integrate

1 that; produce, you know, datasets that can be used, then,
2 for analysis.

3 Q Okay. And in that role do you manipulate data?

4 A Yeah, it's implicit in much of what I've just said it --

5 Q Okay.

6 A -- involves. And by "manipulate," what I mean is, you
7 know, new values are calculated based on other values.
8 Manipulate also means just changing the -- the shape of
9 data --

10 Q Uh-huh.

11 A -- to fit the best analytic tools that someone's using.

12 Q And do you also teach in that role?

13 A No. As a research faculty, I do no teaching, other than
14 just with students who are working on some of our
15 projects.

16 Q And what projects are you working on right now?

17 A I have a number of studies that I'm a part of.
18 I've recently started bringing to bear the -- sort of
19 this data infrastructure that I've built to other
20 individuals who don't study autism. My colleague studies
21 serious mental illness and hallucinations, so we've got
22 a project there. And then another person who studies
23 pregnancy in primates and different pathogens and how it
24 impacts the -- the pregnancy process.

25 Q Okay. And in those projects that you're currently

1 working on, are you collecting data or are you just
2 managing data?

3 **A When you say "you," does that mean me as an individual?**

4 **Q Yes.**

5 **A I --**

6 **Q You as an individual.**

7 **A -- yes, I -- I am not collecting it myself. It gets**
8 **entered in a variety of ways. People give me files that**
9 **have been generated from a machine, let's say. I will**
10 **build code to import that, process that.**

11 **Other data is entered directly by participants,**
12 **maybe on the -- on the web or on a piece of paper. Some**
13 **of our staff would then enter that data into the system.**
14 **I don't do that, though.**

15 **Q And when you receive data in your role, do you ever**
16 **scrutinize it for outliers or do any other assessment to**
17 **determine its validity or accuracy?**

18 **A Yeah. That's, again, an -- an implicit part of this**
19 **process, too, is to examine the data as it -- as**
20 **I receive it. Then there's a whole host of -- of things,**
21 **depending on the nature of the data, that I would want to**
22 **do to ensure its, you know, validity and accuracy.**

23 **Q What are those things you would wanna do? Let's use, for**
24 **example, user-generated data or self-reported data that**
25 **you would get for autism.**

1 A You know, depending on the specific question -- let's say
2 a question has a super common instrument -- they're quite
3 simple, usually, with a number of options, so the
4 multiple choice or cross off a number of items; simple
5 things like ensuring each item was in the proper range of
6 responses if they're numbered one through five, for
7 example; looking for patterns of missing information in
8 the midst of it. So in that context, those are two of
9 the most common -- most common things I would need to do.

10 (Ms. Roe enters the room.)

11 Q (By Ms. Scheffey) And how would you identify if
12 information is missing?

13 A It would result in a blank in the -- the resulting record
14 in the database.

15 Q And how would you analyze if someone chose -- I think you
16 said there were multiple-choice options -- if someone
17 chose B and they meant to choose C?

18 A Well, I couldn't know the intent. If something was
19 entered as a 2, I would have to treat that as a 2.

20 Q Okay.

21 A Because I am -- what I'm only seeing is a 2 entered into
22 a -- a given field in the database in a given record in
23 a given table type of thing.

24 Q So you do not conduct interviews to validate data.

25 MR. BERGER: Objection. Overbroad.

1 But go ahead and answer.

2 THE WITNESS: In the -- in the course
3 of our work, clinicians or staff who conduct interviews,
4 part of that process is an assessment of validity in an
5 ongoing way. If -- if someone would have a question
6 about a given response, they'd seek clarification just to
7 make sure that someone's writing down an answer properly.

8 In the case of a -- a self-report questionnaire,
9 typically those are just treated as provided by the
10 participant.

11 So, you know, you refer to two different things.
12 You've mentioned interview. I was referring to
13 a questionnaire. Those would be different contexts where
14 the questionnaire would be less likely to have
15 a back-and-forth interchange --

16 Q And --

17 A -- especially if someone mailed it or filled it online or
18 something.

19 Q -- and just so I understand: It would be staff, not you
20 yourself, who would be --

21 A Yes.

22 Q -- collecting that?

23 A I -- I -- I haven't been involved in the direct data
24 collection for many years, although I did do that early
25 on.

1 Q So then your main job is dealing with data you've been
2 provided. Or assessing data you've been --

3 A Yeah.

4 Q -- provided.

5 A That's my main role in the -- the research I'm involved
6 in currently.

7 Q Okay. So in terms of data analysis, do you have any
8 specific qualifications? Certificates?

9 A No certificates other than graduate-level courses in
10 a variety of statistical techniques. The -- the core
11 sort of statistical coursework in my degree program, but
12 I've taken additional courses as well, and we have
13 different multivariant statistical techniques.

14 Q You mentioned numerous "statistical techniques."
15 What are those techniques?

16 A They could be the -- the names of different statistical
17 techniques can be clumped at different levels of
18 generality.

19 So aiming for the level at which I think of, one
20 is sort of linear mixed models, which is one statistical
21 technique that allows you to analyze data that's
22 collected across multiple levels. Repeated observations
23 with an individual and then those observations across
24 multiple individuals would create two different levels
25 of data. So intermixed models, simple things of looking

1 for associations between things with correlations and
2 multiple regression. We can get differences between
3 samples with analysis of variance, and that gets more
4 and more complicated as the questions get more refined,
5 whether there's covariants included and things like
6 that.

7 That covers the bulk of the -- the other class
8 would be structural equation models, which primarily --
9 primarily look at the degree of relationships among
10 different variables.

11 Q And which one of those two techniques did you use for
12 this case?

13 A None.

14 Q None?

15 A I have no -- I have made no statistical inferences in
16 my work on this case.

17 And, to be clear, by "statistical inference,"
18 I mean by that having a sample of data that's deemed
19 representative of a broader population and then doing
20 statistics, like I mentioned, in order to address
21 specific questions about that data to make sort of
22 generalizations to the broader population.

23 In this case I've just been working with the
24 information I've received and the entirety of it.

25 Q When you say "the entirety of it," what do you mean?

1 A If I'm interested -- as -- as an analogy, if we were
2 interested in children with autism, we might get a sample
3 of 50 children and their families and do some things,
4 draw some -- and draw some inferences. We would
5 generalize that to the broader population of all children
6 with autism, let's say, in the United States.

7 With this work that I've done on the GEO case,
8 I received some information about detainees and, you
9 know, their record of work and I've made calculations
10 based on all of it, not just a subset of it. So there's
11 no inference from a sample to a population.

12 Q So in this case you did not receive a sample that you
13 then transferred to the population.

14 A I -- I received what I understand was all the records
15 related to the detainees at a given facility for a given
16 time period. And I'm unaware of whether there's more
17 information or not.

18 Q Okay. Can you tell me about the last time you took
19 a course or other sort of certificate program about data
20 analysis?

21 A Oh, it would've been since grad school. So 1997,
22 probably.

23 Q How did you become proficient in the data analysis
24 responsibilities that are listed on your résumé? You may
25 turn and look at that.

1 A How did I become proficient?

2 Q (Ms. Scheffey nods head affirmatively.)

3 A I, even as an undergrad, did some work with statistical
4 software. Continued that in grad school. My research
5 assistant, RA, positions were doing similar things, just
6 managing data, doing data analysis. Over time as needs
7 in our projects grew, I learned about databases. And,
8 you know, largely self-taught and, you know, querying
9 Google many times to try to figure out different things,
10 but have built that -- the data infrastructure largely by
11 myself using Microsoft SQL server and a variety of tools.
12 But -- so it's a combination of self-taught and classroom
13 work as a grad student.

14 Q Have data analysis standards or practices changed since
15 1998?

16 A The tools certainly have changed. Statistical
17 methodology is always changing as well. My work as an
18 expert in legal arena has always been more on data --
19 data management and, again, making calculations across
20 large amounts of data, but not applying statistical
21 methods to draw inferences from that data. It's more
22 the mechanical portion of manipulating and managing large
23 amounts of data, implementing assumptions about different
24 damages claims that the case involves, and carrying those
25 out.

1 are wages. If it's work that's been purported to have
2 been done but not paid, I guess that would count as
3 unpaid wages. I don't -- I'm not using that in the
4 technical, legal sense, but I have done calculations on
5 a number of cases across claims -- various claims like
6 that.

7 Q Do you have a standard methodology for approaching claims
8 for back wages or missed meal breaks?

9 A No. I implement assumptions provided by the attorneys
10 I'm working with relevant to the case at hand.

11 Q When you say you implement assumptions provided by the
12 attorneys, what do you mean by that?

13 A That means that the application of the assumptions to
14 the data by means of using -- you know, the -- the last
15 several years I've used R, just -- just the capital
16 letter R -- statistical environment to apply the
17 assumption to the data. Because the assumption by itself
18 doesn't yield -- it's -- it's unknown how many, let's
19 say, missed rest breaks there would've been. But taking
20 that assumption, applying it to the data I've received,
21 I can come up with an -- an answer to how many rest
22 breaks were missed. So that's what I mean when I say
23 apply the assumptions.

24 Q So if I'm understanding you correctly, an assumption is
25 an unknown and the only thing that is known when you're

1 doing these -- this application is the data; is that
2 correct?

3 A I would -- well, the -- the assumption is known. What
4 isn't known is whether the -- the Court or the trier of
5 fact will agree with that assumption or not. But it's
6 a -- it's a given. It's an assumption. And it's the --
7 the technical implementation of the assumption on the
8 data yields the result. So I -- I guess -- I don't know
9 if that answers your question, but...

10 Q So for a question about, like we have in this case,
11 individuals who claim that they were not paid minimum
12 wage for a certain number of hours, what is the
13 assumption?

14 A The assumptions that are present in my work to date was
15 that the average shift length for a given -- for a given
16 worker, working a given day, was 1.72 hours, which came
17 from, you know, what I refer to as Exhibit 20. I believe
18 that was from Ryan Kimble. And that was -- that was one
19 assumption.

20 The other assumption was that in the data
21 I looked at, each indication of -- well, now, I just
22 used the -- these totals, the invoices that GEO
23 submitted, I believe -- I -- I don't really their name,
24 but the invoices that were month by month. And the --
25 there was an assumption that each dollar represented in

1 **A In the materials considered for this report, I had no**
2 **information about what location an individual did work**
3 **in, so no.**

4 Q Did you look at any data showing how long a detainee
5 worker's shift was?

6 **A Only -- only Exhibit 20.**

7 Q Okay. So I'm gonna go through, if you will turn these --
8 and I apologize, these pages aren't numbered. But I
9 wanted to go to your Exhibit B, which shows the cases
10 you've previously worked on.

11 **A (Witness indicates.)**

12 Q Appendix B, it looks like this.

13 **A (Witness complies.)**

14 Q Yeah. Or that one. It looks like they're both the same.

15 **A Okay. Okay.**

16 Q We can go to the other list. That's fine. It's here.

17 **A Oh, no, this is --**

18 Q This is fine.

19 **A Okay.**

20 MR. BERGER: Okay.

21 MS. SCHEFFEY: You knew where it was.

22 MR. BERGER: I just --

23 MS. SCHEFFEY: I realized today that
24 they didn't have page numbers, so I apologize.

25 MR. BERGER: That's okay.

1 MR. BERGER: I'm just laughing because
2 there was about 11 hours of cross-examination.

3 THE WITNESS: I do remember that.

4 MS. BRENNEKE: 11?

5 MR. BERGER: Yeah.

6 Q (By Ms. Scheffey) Did you apply a similar methodology to
7 that case as this case?

8 A That case I had detailed information about each driver
9 and -- and stuff, so the level of the detail -- the
10 information for that is very different than what I've
11 done thus far for -- in this GEO case.

12 Q So would it be fair to say your methodology there was
13 different than here?

14 A They're certainly -- the -- the data was different,
15 the -- the -- the claims were different, the -- but the
16 overarching sort of role of taking the assumptions about
17 violations, applying them to the data, that's the --
18 that's the same in terms of my -- the nature of my
19 opinions and conclusions.

20 Q Okay. What about Hill? What was that case about insofar
21 as it involved your expert testimony?

22 A Very similar in that there were claims about breaks --
23 you know, missed rest and meal breaks. Again, I'm not
24 recalling the details of off-the-clock work or -- and/or
25 unpaid overtime, but I would say very similar to Brinks.

1 And essentially all the work that I've done is fulfilling
2 that role of taking the -- the raw data to characterize
3 the work and then applying assumptions about the
4 violations to calculate damages.

5 Q Do you recall what your findings were in that case?

6 A Some amount of damages that should the Court find the
7 defendant violating, then those are the damages. I can
8 say that many of the assumptions -- or it -- it's not
9 uncommon that the assumptions I'm provided, should those
10 be changed as a result of the, you know, litigation
11 process and the Court find a different value, let's say
12 of the percentage of missed meal breaks, that revised
13 assumption could then be -- I could take that and then
14 recalculate the things that I've done typically very
15 easily.

16 So -- so the opinions I -- I offer kinda come with
17 that -- that built-in flexibility because I have no
18 opinion about the veracity of the assumption itself.

19 Q And was your testimony challenged in Hill?

20 A I don't recall.

21 Q Okay. What about Bruner? What was that case about?

22 A Similar issues. Again, it's an employment law,
23 wage-an-hour things, missed breaks. Again, a subset of
24 missed breaks, off-the-clock work, unpaid or mispaid
25 overtime. I don't recall the details of which claims are

1 calculations based on that single number. So the volume
2 is, like, minuscule compared to, you know --

3 Q Okay.

4 A -- what's typical by getting, you know, the full set of
5 employees' let's say daily work record or whatever.

6 Q Okay. And are there others in your field who would
7 analyze the data you analyzed in this case in the same
8 way?

9 A I --

10 MR. BERGER: Object to form.

11 Go ahead and answer.

12 THE WITNESS: -- yeah, in my field
13 I -- I would think the -- implementing the assumptions
14 I'm provided could be -- could be carried out with
15 different types of software, but it tends to be simply,
16 at the end of the day, just arithmetic --

17 Q (By Ms. Scheffey) When you say --

18 A -- and multiplication.

19 Q -- "arithmetic," what do you mean?

20 A I mean it's multiplication across -- of, let's say, the
21 number of presumed unpaid hours for a week, that number
22 of unpaid hours would've been calculated by adding the
23 amount of missed rest time, let's say on Monday and then
24 on Tuesday for that week. To get damages you'd take that
25 sum, which arithmetic, multiply it by the relevant rate

1 for that week for that employee -- and, again, what's the
2 relevant rate would be provided as an assumption -- get
3 a value there. Total damages would be summing across all
4 of those weeks for all of those employees.

5 So it -- so I say arithmetic just because the
6 mathematical operation is -- is straightforward and
7 simple. Anyone implementing these assumptions would use
8 those mathematical operations.

9 Again, the software, how to do that efficiently,
10 given the existing data, would probably be -- be done in
11 a variety of ways, but should come with the essentially
12 the outcome.

13 Q Do you need any specialized knowledge to do that
14 arithmetic?

15 A Not the arithmetic. I believe you need specialized
16 knowledge to apply it across a giant volume of data.
17 That's --

18 Q And when --

19 A -- where --

20 Q -- you say --

21 A -- my expertise comes in.

22 Q -- when you say "apply it," is that what you're -- are
23 you referring to use the software or manipulate the
24 software to --

25 A Yes.

1 A I didn't use them to -- to, like, determine whether or
2 not the information in Exhibit 20 was appropriate or not.
3 Or I didn't look at them to -- to try to gain any other
4 understanding of Documents 6 through 19. They were, you
5 know, given to me as a function of the case. But to
6 carry out the -- the task that I was asked to do to
7 calculate damages based on the monthly invoices, assuming
8 a 1.72 hour average shift length, I did not need these
9 other documents to do that.

10 Q So I'm just gonna try and understand.

11 For example, if there was an inconsistency between
12 No. 3, which is the Kimble deposition, and No. 4, which
13 is Exhibit 20, you didn't consider that inconsistency?

14 MR. BERGER: Object to form.

15 You can answer.

16 THE WITNESS: I was -- I needed --
17 since I have no knowledge of, you know, employee or
18 detainee shift work, I relied on only Exhibit 20 as --
19 as that. Well -- and I should say that's the assumption
20 I was provided to implement. And to me that seemed
21 reasonable, given it was a document produced by the
22 company.

23 And it's common in my work with attorneys that the
24 assumptions provided me can vary. Or sometimes I'm asked
25 to implement a -- a variety of different assumptions

1 to -- you know, to see the impact of should the Court
2 find that, you know, Assumption A versus Assumption B
3 is -- reflects the truth.

4 So here I know that the assumption I was asked to
5 use, 1.72, comes from Exhibit 20, from the Ryan Kimble
6 deposition.

7 Q (By Ms. Scheffey) Okay. Did you review any other
8 documents that are not listed here?

9 A No.

10 Q Were you provided the entire transcript of the Kimble
11 deposition?

12 A I -- I don't know --

13 Q Okay.

14 A -- if I was or not.

15 Q Were you provided all of the exhibits to the Kimble
16 deposition?

17 A I don't believe so if, I assume from this, that there
18 were at least 22.

19 Q Okay. How did you conclude that each shift was
20 1.72 hours?

21 A That is based on Exhibit 20, the -- the result of that
22 work spreadsheet or table, I guess. I did not review
23 that table to see if the calculations were -- were
24 accurately conducted in each row to get 1.72 as the
25 overall average. I just took the 1.72 as-is.

1 average?

2 **A It represents an average of one -- yeah, the average**
3 **length of a worker's shift. It doesn't calculate the**
4 **variability around that average that there is, but...**

5 Q And why do you believe it's an average?

6 **A Well, the bottom row says "Average Hours."**

7 Q Why do you believe it's the average length of a worker's
8 shift in particular?

9 **A Given, you know, what I stated in terms of my**
10 **understanding of this and what I've been told these**
11 **columns reflect, that total workers is the numerator with**
12 **total hours the denominator and then dividing those**
13 **yields an average of hours per shift. Well, I -- flip**
14 **that. Hours in the numerator. So 810 divided by 470**
15 **I presume is 1.72.**

16 Q Did you review Mr. Kimble's testimony to find out what he
17 believes this document is?

18 **A No.**

19 Q Do you know who created this document?

20 **A No.**

21 Q Do you know if the methods used to produce it were
22 reliable?

23 **A No.**

24 Q Did you ask to speak with anyone about how -- who created
25 the document?

1 **A No.**

2 Q Did you ask to speak with anyone about the methods for
3 collecting this document?

4 **A No.**

5 Q Do you have any understanding of the assumptions
6 underlying this document?

7 MR. BERGER: Object to form.

8 **THE WITNESS: Not in detail. I would**
9 **have to make just a commonsense guess about the**
10 **assumptions --**

11 Q (By Ms. Scheffey) Did you --

12 **A -- involved.**

13 Q -- look at any other documents to try to corroborate
14 those estimates?

15 **A No.**

16 MR. BERGER: When it's a convenient
17 time to take a break, can we take a short --

18 MS. SCHEFFEY: We can take it now if
19 you want.

20 MR. BERGER: Great.

21 MS. SCHEFFEY: Let's go off the
22 record.

23 (Short recess taken.)

24 MS. SCHEFFEY: All right.

25 Q (By Ms. Scheffey) So before the break I believe we were

1 talking about whether you looked at Mr. Kimble's
2 testimony in his deposition to analyze Exhibit 20.

3 **A Correct. You asked and my -- my answer was, no, I just**
4 **I -- I relied on Exhibit 20 as an estimate from the**
5 **company that -- that reflect at least one estimate of**
6 **the --**

7 Q Okay.

8 **A -- average shift length.**

9 Q Okay. So I am going to mark this as 368. This is
10 Mr. Kimble's deposition testimony.

11 (Exhibit No. 368 marked for
12 identification.)

13 MS. BRENNEKE: And so the record is
14 clear, I think I'd like it to just reflect that this the
15 30(b)(6) of GEO Group in the person of Ryan Kimble.
16 Because --

17 MS. SCHEFFEY: That's fine.

18 MS. BRENNEKE: -- there's a separate
19 deposition of him as a --

20 MS. SCHEFFEY: Okay.

21 MS. BRENNEKE: -- person.

22 MS. SCHEFFEY: And I will represent on
23 the record that it is the Ryan Kimble deposition from
24 which the Exhibit 20 came.

25 MS. BRENNEKE: The 30(b)(6) --

1 know, I hadn't reviewed this page, so I was not provided
2 other information other than this is an estimate.

3 Q (By Ms. Scheffey) And did you know or do you know,
4 sitting here today, when the document was created?

5 MR. BERGER: Which document?

6 MS. SCHEFFEY: Exhibit 20.

7 **THE WITNESS: No.**

8 Q (By Ms. Scheffey) Do you know if Exhibit 20 represents
9 the maximum staffing in 2014?

10 MR. BERGER: Object to form.

11 You can answer.

12 **THE WITNESS: No, I don't know that.**

13 Q (By Ms. Scheffey) Do you know if Exhibit 20 represents
14 detainee work assignments in 2015?

15 A No. I'm not familiar to what time period Exhibit 20
16 refers.

17 Q Okay. Do you know who created Exhibit 20?

18 A No.

19 MR. BERGER: Objection. Asked and
20 answered.

21 **THE WITNESS: No.**

22 Q (By Ms. Scheffey) Okay. Did you review Mr. Kimble's
23 testimony to determine who created the Exhibit 20?

24 A No.

25 Q Okay.

1 Q Okay. Is it your understanding that those definitions --
2 I'm looking at A1, A2, A3 -- only represent different
3 pods or that they represent different jobs?

4 A **I don't know.**

5 Q You don't know?

6 A **(Witness shakes head negatively.)**

7 Q Okay. Did you make any effort to figure out what those
8 notations meant?

9 A **No.**

10 Q Okay.

11 A **I, at this point, simply used the overall average --**

12 Q Okay.

13 A **-- for my work to date in the -- the report at 366 --**
14 **Exhibit 366.**

15 Q Did you review any documents that would indicate there
16 were different shifts in the voluntary work program?

17 A **I'm not sure what you mean by "different shifts."**

18 Q Did you review any documents that would indicate that
19 there were different positions a detainee could hold
20 within the voluntary work program?

21 A **No. But my understanding is that any one of these**
22 **somebody could work and that, like, the kitchen, fix**
23 **breakfast, lunch, dinner. So there's different times**
24 **during the day is my assumption there and -- but I did**
25 **not review other documentation that tells me how someone**

1 is assigned to a different -- a given shift or -- or
2 what.

3 Q Okay. Did you look at any other documents which would
4 inform you about how many barbers, for example, there are
5 in the facility?

6 A No.

7 Q Okay. Did you review Mr. Kimble's testimony about how
8 many barbers there were in the facility?

9 A No.

10 Q Okay. How many barbers did you assume were in the
11 facility?

12 A I made no assumptions with regard to the number of
13 barbers, per se, only to the degree that this overall
14 estimate of 1.72 relies on, you know, 15 barbers working
15 four hours. That's -- that's a portion of the
16 information that goes into this average hours.

17 Q If there were only two barbers working four hours, would
18 that change the 1.72 number?

19 A Yes. Any -- any of these -- changing any one of these
20 numbers would change the overall average, yes.

21 Q And would changing the overall average change your
22 analysis?

23 A Yes.

24 Q Okay.

25 A That would be me being provided a different assumption

1 **regarding the average shift length.**

2 Q Okay. I'll have you turn to Page 85 of Ryan Kimble's
3 deposition.

4 **A (Witness complies.)**

5 Q At Lines 19 through 21, Mr. Kimble indicates that there
6 are a limited number of barber chairs.

7 How many does he state there are?

8 **A Line 20 says:**

9 **"And it has, I think, four or five barber chairs."**

10 Q Okay. Did you consider that assumption in contrast with
11 the ten barber chairs on Exhibit 20?

12 MR. BERGER: Object to form.

13 **THE WITNESS: No. Exhibit 20 says 15**
14 **under the "Worker" column, but I have no knowledge with**
15 **regard to the number of people working relative to the**
16 **number of chairs. I just don't know --**

17 Q (By Ms. Scheffey) Okay.

18 **A -- anything about that.**

19 Q On Page 86 did you review Mr. Kimble's testimony from
20 Lines 12 to 16?

21 **A No.**

22 Q In that testimony how many detainee barbers did he
23 testify there would be at any given time?

24 **A It looks like in Line 14 he says:**

25 **"It could be anywhere from six to eight."**

1 Q How would six to eight change the 1.72 number in
2 Exhibit 20?

3 MR. BERGER: Object to form.
4 Incomplete hypothetical.

5 THE WITNESS: If the other assumptions
6 held true, six to eight could be -- one would have to
7 choose a single value, replace the 15, and the overall
8 average would drop accordingly.

9 Q (By Ms. Scheffey) So if there were fewer barbers
10 accounted for in Exhibit 20, you believe that
11 mathematically the average would drop?

12 A Yes, given they had four-hour shifts according to this
13 document.

14 Q Did you review Miss Henderson's deposition?

15 A No.

16 Q Did you review Alicia Singleton's deposition?

17 A No.

18 Q Did you review any other depositions to look for
19 inconsistencies in Exhibit 20?

20 A No.

21 Q How did you account for the unknown variables of
22 Exhibit 20?

23 MR. BERGER: Object to form.

24 THE WITNESS: That question -- for
25 my purposes, Exhibit 20 provided a single piece of

1 at that has the reference with each individual's name is
2 more accurate than the one you used, would that change
3 the amount that would be your damages calculation for the
4 month of July 2017?

5 **A Certainly if I used this document as the -- the source**
6 **data, indicating how many, you know, total shifts, then,**
7 **yes, the 12,314 would be used rather than the 12,500.**

8 **Q And how would that approximately \$200 reduction affect**
9 **your analysis for July 2017?**

10 **A Damages would be reduced by that number times minimum**
11 **wage minus that number.**

12 **Q In your methodology is there a standard rate of deviation**
13 **or error assumed?**

14 **A No. Nor does there need to be, given the methods I used.**
15 **I simply took the -- the total invoice amount under the**
16 **"Worker Pay Adjusted" and carried out the calculations.**
17 **So there was no variance estimate -- I forgot the word**
18 **you used.**

19 **Q Standard deviation.**

20 **A Ah.**

21 **Q Or if there's another way for calculating it in your**
22 **methodology.**

23 **A No. It was straightforward, using the -- the total.**
24 **My -- this workup did make an assumption for months that**
25 **I did not have an invoice for. I believe I took the**

1 average across the other months and simply applied that
2 to -- to the additional months for which there wasn't
3 data.

4 Q Okay. And so what months have an assumption in them?

5 A The months that have an additional assumption that is
6 based on the average that began in March 1st, 2018. You
7 can see on Table 1 of my report that that figure's just
8 continued on through the rest of the table with the
9 change in minimum wage happening at January 2019. But,
10 otherwise, it utilized that average -- that overall
11 average.

12 Q Okay. So here I think we agreed that there's an
13 approximately \$200 difference between the worker pay in
14 your report and the dollar amounts on the worker pay
15 reimbursement.

16 A Yes, that those two values differ.

17 Q In your opinion is that difference significant?

18 MR. BERGER: Object to form.

19 THE WITNESS: "Significant," that
20 word actually has a variety of meanings statistically.
21 Here I don't know how to -- I don't interpret that
22 difference. I would simply say I don't know why it's
23 different.

24 Should I be asked to calculate the damages utilizing
25 this information and this subtotal reflects the -- the

1 information, you know, contained -- contained in the
2 subsequent page, then that would be -- that would be
3 the -- the value I'd use.

4 Q (By Ms. Scheffey) When you say there's several meanings
5 of significant, can you tell me what those are?

6 A Well, statistical significance is a concept that, given
7 the probability of an observed test statistic applied to
8 certain data, when someone sets an established threshold
9 of let's say 1 in 100 or 1 in 1,000, should the findings
10 find to be very unlikely to have occurred the way they
11 did, that would be deemed statistically significant. And
12 I -- I wanted to make sure I wasn't commenting about
13 anything statistical when you used the word
14 "significant." So --

15 Q So this analysis is not a statistical analysis?

16 A That's correct.

17 Q What would you describe your analysis as?

18 A It's -- it's the result -- it's the result of a -- of
19 a -- the process of -- it's a -- it's a data analytic
20 process, but implementing these -- these assumptions that
21 have sort of arithmetic sort of operations to carry them
22 out. Like, it's -- it's what I referred to earlier in
23 the deposition, that I'm not making inferences about
24 a subset of data to a bigger --

25 Q And then --

1 A -- to a bigger population.

2 Q -- how does the data analytic methodology differ from
3 a statistical methodology?

4 A Statistics employ a bunch of assumptions and calculate
5 an estimate of, like, the degree of -- it depends on --
6 it depends on the analysis undertaken, but the degree of
7 difference between two samples of data. It's a -- a --
8 a simple one. And here I'm simply adding, you know, the
9 results of the calculation carried out on each row here
10 in Table 1.

11 Q Is R a statistical-analysis tool?

12 A Yes.

13 Q Was this created using R?

14 A Yes.

15 Q But it's your testimony today that it's not a statistical
16 analysis.

17 A Well, by saying R is a statistical-analysis tool, that
18 doesn't mean that is only what it does. Part of the
19 inherent nature of analyzing data is processing data,
20 manipulating data. So I use R to -- to carry out these
21 calculations. But, again, it's not I think the keyword
22 is inference, that I'm not making statistical inferences.

23 Q Can -- did you use R to extrapolate the data on
24 Exhibit 20 to a larger population?

25 A Just to the -- I -- I used R to calculate the average for

1 the months I did have, and then it seemed a reasonable
2 approach to take that average and just apply that to the
3 subsequent months.

4 If I was provided different assumptions such as,
5 well, just take the last three months and use the average
6 of the last three months and apply that to the subsequent
7 months, that could seem a reasonable approach as well.
8 The one I utilized here is just that overall average.

9 Q Did you use R to analyze Exhibit 20 in any way?

10 A No. I just used the 1.72 average shift length, used that
11 piece of information from it.

12 Q Did you double-check the math of Exhibit 20?

13 A No.

14 Q Did you do anything to analyze Exhibit 20 beyond its face
15 value?

16 A No. Other than knowing it was produced by the company,
17 I used that just like you said, as -- on its face as an
18 estimate of the average shift length.

19 Q How did you account for the change in participation in
20 the voluntary work program over time in your report?

21 A It's implicitly included by assuming that the -- the
22 worker pay value reflects how many individuals were
23 working. So it's done month by month based on that value
24 from the invoice.

25 Q Did you account for increases in, for example, a shorter

1 MR. BERGER: Object to form.

2 THE WITNESS: Yeah, the -- the
3 proportion's derived from the number. I was just saying
4 if there were more people working in longer shift areas,
5 the average would go up. If there's fewer people in the
6 longer shifts or more people in the shorter shifts, the
7 average would go down.

8 Q (By Ms. Scheffey) Okay. How would you account for that
9 in your analysis?

10 A There was no attempt to account for that in my report
11 because I had no information that would show that
12 variability.

13 The information in Exhibit 369 appears to contain
14 the specifics with regard to which person in which shift.
15 And in that regard, there would be no estimate required.
16 You could just presumably know how many people were in
17 each area or --

18 Q Which --

19 A -- location.

20 Q -- data would be more reliable for your method? The
21 Exhibit 20 or the Exhibit 369?

22 A I think they're -- they're both reliable. They're
23 different. I think using the Exhibit 369 information
24 I presume would be more accurate with regard to what
25 happened for specific people on specific days. That's

1 across which one is, you know, applying it to, that would
2 make it a -- a good -- a good estimate.

3 In this case I've, well, for my first report used
4 the average to apply it those subsequent months for
5 which I didn't have invoices. When you talked about
6 Exhibit 369 you didn't talk about using any average, just
7 the assumption of the shift length by code.

8 Q (By Ms. Scheffey) Did you make any assessment of whether
9 the sample provided in Exhibit 20 was similar to the
10 population that it was supposed to reflect?

11 MR. BERGER: Object to form.

12 THE WITNESS: From the information in
13 369?

14 Q (By Ms. Scheffey) No. In --

15 A Was that --

16 Q -- Exhibit --

17 A -- your --

18 Q -- 20.

19 A -- question? Oh, Exhibit --

20 Q Did you --

21 A -- 20? No, I just -- I used it as an estimate provided
22 by the company, like I said before, as a face valid
23 average.

24 Q Did you take any other effort -- efforts to establish
25 whether Exhibit 20 was reliable?

1 MR. BERGER: Objection. Asked and
2 answered.

3 **THE WITNESS: No.**

4 Q (By Ms. Scheffey) Okay. I don't think I have any more
5 questions. Is there anything you need to correct or you
6 want to go back and revisit today?

7 **A I don't believe so. No.**

8 MS. SCHEFFEY: I am done.

9 MR. BERGER: Okay.

10 MS. BRENNEKE: Thank you.

11 MR. BERGER: Thank you very much.

12 (Signature reserved.)

13 (Deposition concluded at

14 12:49 p.m.)

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1 STATE OF WASHINGTON) I, April Cook, CCR #3245,
) ss a certified court reporter
 2 County of Pierce) in the State of Washington, do
 hereby certify:

3
 4
 5 That the foregoing deposition of JEFFREY MUNSON, PH.D.
 was taken before me and completed on December 12, 2019, and
 thereafter was transcribed under my direction; that the
 6 deposition is a full, true and complete transcript of the
 testimony of said witness, including all questions, answers,
 7 objections, motions and exceptions;

8 That the witness, before examination, was by me duly
 sworn to testify the truth, the whole truth, and nothing but
 9 the truth, and that the witness reserved the right of
 signature;

10
 11 That I am not a relative, employee, attorney or counsel
 of any party to this action or relative or employee of any
 such attorney or counsel and that I am not financially
 12 interested in the said action or the outcome thereof;

13 That I am herewith securely sealing the said deposition
 and promptly delivering the same to Adrienne Scheffey.

14
 15 IN WITNESS WHEREOF, I have hereunto set my signature on
 the 15th day of December, 2019.

16
 17
 18
 19 

20 April Cook, CCR
 Certified Court Reporter No. 3245
 (Certification expires 10/11/20.)

EXHIBIT B

Jeff Munson
University of Washington
Box 357920
Seattle, Washington 98195

September 11, 2019

Jamal Whitehead
Schroeter Goldmark & Bender
810 Third Avenue, Suite 500
Seattle, WA 98104

Re: Nawauzor et al. v. The GEO Group, Inc., No. 17-cv-5769-RJB (W.D. Wash.)

Dear Mr. Whitehead:

I have been retained by your firm to assess the economic damages sustained by detained persons participating in the “Voluntary Wage Program” (VWP) at the Northwest Detention Center. Specifically, you asked me to assume that the Washington State minimum wage applied to VWP participants and to calculate back wages owed for work performed at subminimum wage rates from September 24, 2014, to present. This report contains the results of my analysis and explains my methodology as well as the sources of data upon which I relied.

Attached to this report are my *curriculum vitae* (Appendix A), a list of cases in which I have testified over the past four years (Appendix B), and a statement of my compensation (Appendix C).

I. BACKGROUND

The GEO Group, Inc. (“GEO”) owns and operates the Northwest Detention Center (NWDC), and uses civil immigration detainees participating in the VWP to perform many non-security functions in the facility.¹ The jobs performed by VWP participants include work that is broadly characterized as janitorial and maintenance, kitchen, barber, and laundry.² GEO pays these detainees \$1.00 a day for their labor regardless

¹ Compl., ¶¶ 4.2-4.7.

² Kimble Dep., Ex. 20.

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of how many hours they actually work.³ GEO submits monthly bills to U.S. Immigration and Customs Enforcement for reimbursement of wages paid to VWP participants.⁴

Plaintiffs argue that an employment relationship exists between GEO and the detained persons taking part in the VWP, and that GEO's practice of paying subminimum wages to these workers violates Washington's Minimum Wage Act ("MWA"), RCW 49.46 et seq.⁵

II. MATERIALS CONSIDERED

In the course of my analysis, I reviewed the following documents:

1. First Amended Complaint
2. NWDC Detainee Handbook
3. R. Kimble Deposition Transcript
4. R. Kimble Deposition, Exhibit 20
5. R. Kimble Deposition, Exhibit 22
6. GEO-State 045059 (Jan. 2017
GEO Bill to ICE)
7. GEO-State 046463 (Feb. 2017
GEO Bill to ICE)
8. GEO-State 046465 (Mar. 2017
GEO Bill to ICE)
9. GEO-State 045232 (Apr. 2017
GEO Bill to ICE)
10. GEO-State 047378 (May 2017
GEO Bill to ICE)
11. GEO-State 045103 (Jun. 2017
GEO Bill to ICE)
12. GEO-State 045250 (Jul. 2017
GEO Bill to ICE)
13. GEO-State 045052 (Aug. 2017
GEO Bill to ICE)
14. GEO-State 045138 (Sept. 2017
GEO Bill to ICE)
15. GEO-State 230438 (Oct. 2017
GEO Bill to ICE)
16. GEO-State 046622-21 (Nov. 2017
GEO Bill to ICE)
17. GEO-State 230459 (Dec. 2017
GEO Bill to ICE)
18. GEO-State 046536 (Jan. 2018
GEO Bill to ICE)
19. GEO-State 047718 (Feb. 2018
GEO Bill to ICE)

To the extent additional relevant information becomes available, I reserve the opportunity to revise my analysis and the opinions stated in this report.

³ NWDC Handbook at GEO-Nwauzor 001003.

⁴ Kimble Dep. at 164-170; Ex. 22.

⁵ Compl., ¶¶ 4.2-4.12, 6.1-6.4.

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III. ASSUMPTIONS APPLIED

You asked me to assume the Washington State minimum wage applied to VWP participants, and to calculate aggregate damages for the certified class from September 26, 2014, to present. During this time, the following State minimum wage rates applied:⁶

- In 2014, the State minimum wage was \$9.32 per hour.
- In 2015, the State minimum wage was \$9.47 per hour.
- In 2016, the State minimum wage was \$9.47 per hour.
- In 2017, the State minimum wage was \$11.00 per hour.
- In 2018, the State minimum wage was \$11.50 per hour.
- In 2019, the State minimum wage is currently \$12.00 per hour.

Other assumptions are discussed below (*see infra*, § IV) in the course of explaining my analysis.

IV. ECONOMIC ANALYSIS

I have calculated the aggregate economic damages under the Washington state minimum wage for the VWP participants from September 26, 2014, through August 31, 2019.

In order to calculate this amount, data and information (collectively, “data”) were imported into the R programming environment. The R language is a freely available language for statistical computing and graphics which provides a wide variety of statistical and graphical techniques.

From the documents listed above (*see supra*, § II), I extracted the monthly payments to VWP participants. I used only information dated September 26, 2014, or later. Thus, the monthly invoice figure for VWP reimbursement for September 2014, \$11,885, was adjusted to account for only September 26 through 30. To do so, \$11,885 was multiplied by (5/30) to yield \$1,980.83, the proportion of the entire

⁶ History of Washington Minimum Wage, Washington State Department of Labor & Industries, available at <https://www.lni.wa.gov/WorkplaceRights/Wages/Minimum/History/default.asp> (last visited, Sept. 4, 2019).

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month that can be attributed to the final five days of the month, between September 26th and 30th.

Data were available through February 2018. For the months between March 2018 and August 2019 (the present at the time of this writing), the average VWP reimbursement amount of the final 12 months of data (from March 2017 through February 2018) was used. This average was \$12,291.

Based on the monthly invoice figures that reflect worker pay, I calculated damages owed to VWP participants. I understand that individuals were paid \$1 per day while they participated in the voluntary work program. Thus, the monthly invoice figures can be considered the number of shifts worked by individuals in the Voluntary Work Program each month. I was asked to assume that these individuals were entitled to receive the Washington State minimum wage for the time that they worked in the VWP.

The first step was to multiply the monthly worker pay by the appropriate Washington State minimum wage. This value would be the amount of pay VWP participants would be entitled to receive if the minimum wage is applicable and if each shift lasted one hour.

Based on the document "R. Kimble Deposition, Exhibit 20," I was asked to assume that, on average, shifts lasted 1.72 hours. Therefore, I multiplied the values after the first step (described above) by 1.72 to reflect the overall pay entitled to individuals, assuming that the average shift was 1.72 hours long.

Finally, the amount of worker pay from the invoice was subtracted from the values obtained in the preceding paragraph.

The grand total of damages across the period from September 26, 2014 through August 31, 2019 is **\$12,437,697.08**. Table 1 (attached) contains the results of my calculations.

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I reserve the right to amend or modify this report to the extent additional documents or information come to my attention.

Sincerely,

A handwritten signature in black ink that reads "Jeffrey A. Munson". The signature is written in a cursive style with a long horizontal flourish at the end.

Jeffrey A. Munson, Ph.D.

Table 1

Month	Worker Pay	Worker Pay Adj	WA Min Wage	Damages 1hr per Shift	Damages 1.72hrs per Shift	Damages 1.72hrs per Shift minus Worker Pay Adj
TOTAL	\$736,584.00	\$726,679.83	---	\$7,653,707.51	\$13,164,376.91	\$12,437,697.08
9/1/2014	\$11,885.00	\$1,980.83	\$9.32	\$18,461.37	\$31,753.55	\$29,772.72
10/1/2014	\$11,306.00	\$11,306.00	\$9.32	\$105,371.92	\$181,239.70	\$169,933.70
11/1/2014	\$10,231.00	\$10,231.00	\$9.32	\$95,352.92	\$164,007.02	\$153,776.02
12/1/2014	\$9,759.00	\$9,759.00	\$9.32	\$90,953.88	\$156,440.67	\$146,681.67
1/1/2015	\$9,341.00	\$9,341.00	\$9.47	\$88,459.27	\$152,149.94	\$142,808.94
2/1/2015	\$8,766.00	\$8,766.00	\$9.47	\$83,014.02	\$142,784.11	\$134,018.11
3/1/2015	\$10,033.00	\$10,033.00	\$9.47	\$95,012.51	\$163,421.52	\$153,388.52
4/1/2015	\$9,890.00	\$9,890.00	\$9.47	\$93,658.30	\$161,092.28	\$151,202.28
5/1/2015	\$11,449.00	\$11,449.00	\$9.47	\$108,422.03	\$186,485.89	\$175,036.89
6/1/2015	\$12,218.00	\$12,218.00	\$9.47	\$115,704.46	\$199,011.67	\$186,793.67
7/1/2015	\$13,203.00	\$13,203.00	\$9.47	\$125,032.41	\$215,055.75	\$201,852.75
8/1/2015	\$13,060.00	\$13,060.00	\$9.47	\$123,678.20	\$212,726.50	\$199,666.50
9/1/2015	\$12,742.00	\$12,742.00	\$9.47	\$120,666.74	\$207,546.79	\$194,804.79

Table 1

Month	Worker Pay	Worker Pay Adj	WA Min Wage	Damages 1hr per Shift	Damages 1.72hrs per Shift	Damages 1.72hrs per Shift minus Worker Pay Adj
10/1/2015	\$13,224.00	\$13,224.00	\$9.47	\$125,231.28	\$215,397.80	\$202,173.80
11/1/2015	\$12,712.00	\$12,712.00	\$9.47	\$120,382.64	\$207,058.14	\$194,346.14
12/1/2015	\$13,185.00	\$13,185.00	\$9.47	\$124,861.95	\$214,762.55	\$201,577.55
1/1/2016	\$13,165.00	\$13,165.00	\$9.47	\$124,672.55	\$214,436.79	\$201,271.79
2/1/2016	\$11,950.00	\$11,950.00	\$9.47	\$113,166.50	\$194,646.38	\$182,696.38
3/1/2016	\$12,679.00	\$12,679.00	\$9.47	\$120,070.13	\$206,520.62	\$193,841.62
4/1/2016	\$12,148.00	\$12,148.00	\$9.47	\$115,041.56	\$197,871.48	\$185,723.48
5/1/2016	\$13,196.00	\$13,196.00	\$9.47	\$124,966.12	\$214,941.73	\$201,745.73
6/1/2016	\$12,879.00	\$12,879.00	\$9.47	\$121,964.13	\$209,778.30	\$196,899.30
7/1/2016	\$13,567.00	\$13,567.00	\$9.47	\$128,479.49	\$220,984.72	\$207,417.72
8/1/2016	\$13,671.00	\$13,671.00	\$9.47	\$129,464.37	\$222,678.72	\$209,007.72
9/1/2016	\$13,322.00	\$13,322.00	\$9.47	\$126,159.34	\$216,994.06	\$203,672.06
10/1/2016	\$13,469.00	\$13,469.00	\$9.47	\$127,551.43	\$219,388.46	\$205,919.46
11/1/2016	\$13,885.00	\$13,885.00	\$9.47	\$131,490.95	\$226,164.43	\$212,279.43

Table 1

Month	Worker Pay	Worker Pay Adj	WA Min Wage	Damages 1hr per Shift	Damages 1.72hrs per Shift	Damages 1.72hrs per Shift minus Worker Pay Adj
12/1/2016	\$13,982.00	\$13,982.00	\$9.47	\$132,409.54	\$227,744.41	\$213,762.41
1/1/2017	\$14,209.00	\$14,209.00	\$11.00	\$156,299.00	\$268,834.28	\$254,625.28
2/1/2017	\$12,723.00	\$12,723.00	\$11.00	\$139,953.00	\$240,719.16	\$227,996.16
3/1/2017	\$13,543.00	\$13,543.00	\$11.00	\$148,973.00	\$256,233.56	\$242,690.56
4/1/2017	\$12,659.00	\$12,659.00	\$11.00	\$139,249.00	\$239,508.28	\$226,849.28
5/1/2017	\$12,869.00	\$12,869.00	\$11.00	\$141,559.00	\$243,481.48	\$230,612.48
6/1/2017	\$11,573.00	\$11,573.00	\$11.00	\$127,303.00	\$218,961.16	\$207,388.16
7/1/2017	\$12,500.00	\$12,500.00	\$11.00	\$137,500.00	\$236,500.00	\$224,000.00
8/1/2017	\$12,500.00	\$12,500.00	\$11.00	\$137,500.00	\$236,500.00	\$224,000.00
9/1/2017	\$10,931.00	\$10,931.00	\$11.00	\$120,241.00	\$206,814.52	\$195,883.52
10/1/2017	\$12,344.00	\$12,344.00	\$11.00	\$135,784.00	\$233,548.48	\$221,204.48
11/1/2017	\$12,027.00	\$12,027.00	\$11.00	\$132,297.00	\$227,550.84	\$215,523.84
12/1/2017	\$12,776.00	\$12,776.00	\$11.00	\$140,536.00	\$241,721.92	\$228,945.92
1/1/2018	\$12,671.00	\$12,671.00	\$11.50	\$145,716.50	\$250,632.38	\$237,961.38

Table 1

Month	Worker Pay	Worker Pay Adj	WA Min Wage	Damages 1hr per Shift	Damages 1.72hrs per Shift	Damages 1.72hrs per Shift minus Worker Pay Adj
2/1/2018	\$11,104.00	\$11,104.00	\$11.50	\$127,696.00	\$219,637.12	\$208,533.12
3/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
4/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
5/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
6/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
7/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
8/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
9/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
10/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
11/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
12/1/2018	\$12,291.00	\$12,291.00	\$11.50	\$141,346.50	\$243,115.98	\$230,824.98
1/1/2019	\$12,291.00	\$12,291.00	\$12.00	\$147,492.00	\$253,686.24	\$241,395.24
2/1/2019	\$12,291.00	\$12,291.00	\$12.00	\$147,492.00	\$253,686.24	\$241,395.24
3/1/2019	\$12,291.00	\$12,291.00	\$12.00	\$147,492.00	\$253,686.24	\$241,395.24

Table 1

Month	Worker Pay	Worker Pay Adj	WA Min Wage	Damages 1hr per Shift	Damages 1.72hrs per Shift	Damages 1.72hrs per Shift minus Worker Pay Adj
4/1/2019	\$12,291.00	\$12,291.00	\$12.00	\$147,492.00	\$253,686.24	\$241,395.24
5/1/2019	\$12,291.00	\$12,291.00	\$12.00	\$147,492.00	\$253,686.24	\$241,395.24
6/1/2019	\$12,291.00	\$12,291.00	\$12.00	\$147,492.00	\$253,686.24	\$241,395.24
7/1/2019	\$12,291.00	\$12,291.00	\$12.00	\$147,492.00	\$253,686.24	\$241,395.24
8/1/2019	\$12,291.00	\$12,291.00	\$12.00	\$147,492.00	\$253,686.24	\$241,395.24

APPENDIX A
CURRICULUM VITAE

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EDUCATION

B. A. *Stanford University, 1988*
Psychology, with Departmental Honors
Ph.D. *University of Washington, 1998*
Major area: Child Clinical Psychology
Dissertation: Structure and variability in the developmental trajectory of children's externalizing problems: Impact of child sex, infant attachment, and maternal depression

PROFESSIONAL POSITIONS

2013 – present Research Associate Professor of Psychiatry and Behavioral Sciences, University of Washington
2007-2013 Research Assistant Professor of Psychiatry and Behavioral Sciences, University of Washington
1998-2007 Research Scientist, Center on Human Development and Disability, University of Washington

Data analysis responsibilities (1998 - present)

- Oversee data analysis and data management of several large multi-project, collaborative studies.
- Extensive use of SPSS, HLM, EQS, R software programs for various data analytic tasks such as general linear models, hierarchical linear models, latent variable models, and data visualization.
- Extensive use of Microsoft SQL Server 2005, 2008 and Microsoft Access to manage the entry and organization of experimental data

- Use of the Python, Visual Basic, Visual C#, ASP.NET programming languages to create custom solutions for various data manipulation and management tasks.

Clinical and assessment responsibilities (1998 - 2001)

- Clinical assessments of children with autism and developmental disabilities, including standardized cognitive testing and play-based observational diagnostic assessments.
- Provide clinical feedback and recommendations to parents.

PROFESSIONAL ACTIVITIES

Ad hoc reviewer: Archives of Clinical Neuropsychology
Autism: International Journal of Research and Practice
Development and Psychopathology
Developmental Psychology
Journal of Autism and Development Disorders
Autism Research
New England Journal of Medicine

Grant Review Panels: Small Business: Biobehavioral and Behavioral Processes Across the Lifespan (NIH ZRG1 BBBP-T (10) B) (2009, 2010)

PUBLICATIONS

Journal Articles

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2. Feldman, S. S., Wentzel, K. R., Weinberger, D. A., Munson, J. A. (1990). Marital satisfaction of parents of preadolescent boys and its relationship to family and child functioning. *Journal of Family Psychology*, 4, 213-234.
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Book Chapters

1. Abbott, R. D., Amtmann, D., Munson, J. (2003). Exploratory and confirmatory methods in learning disabilities research. Swanson, H. L., Harris, K. R., et al. (Eds), *Handbook of learning disabilities* (pp. 471-482). New York, NY, US: Guilford Press.
2. Abbott, R. D., Amtmann, D., & Munson, J. (2006). Statistical analysis for field experiments and longitudinal data in writing research. In C. Macarthur, S. Graham, & J. Fitzgerald (Eds.) *Handbook of Writing Research*, pp. 374-386. New York: Guilford Press.

Professional Articles and Editorials

1. Munson, J. A. (2009). Book Reviews. Autism: Current Theories and Evidence; The Ethics of Autism: Among Them, but Not of Them, *New England Journal of Medicine*, 360, 2485-2486
2. Munson, J., & Pasqual, P. (2012). Technology in autism research: The promise and perils. *IEEE Computer Mag*, 45(6).

Conference Presentations

1. Dawson, G., Schellenberg, J., Wijsman, E., Osterling, J., Estes, A., & Munson, J. Genetic study of autism. Presented at the 1999 Meeting of the Autism Society of America, Kansas City, KS.
2. Dager, S.R., Friedman S.D., Shaw, D., Echelard, D., Artru, A.A., Strauss, W., Sparks, B., Carver, L., Richards T., Munson J., & Dawson G. (2000, March). Brain Structural and Chemical Imaging of Autistic Children, Developmentally Delayed Children and Age-Matched Controls. 20th Annual Meeting, European Winter Brain Conference. Geneva, Switzerland.
3. Dager, S.R., Friedman, S.D., Shaw, D., Echelard, D., Artru, A.A., Strauss, W.D., Sparks, B., Carver, L., Richards, T.L., Munson, J., & Dawson, G.(2000, August). Neuroimaging of the autistic child's brain: Brain, structure chemistry and function. IASSID Seattle, WA.
4. Dawson, G., Rogers, S., Sigman, M., Munson, J., & Abbott, R. Cognitive Functioning in Young Children with Autism versus Mental Retardation. Presented at the 2000 meeting of the Collaborative Programs of Excellence in Autism (CPEA). Denver, CO.
5. Werner, E., Dawson, G., Osterling, J., & Munson, J. Autistic regression: A validation of the phenomenon based on home videotapes and parent report. Presented at the 2001 meeting of the Society for Research in Child Development, Minneapolis, MI.
6. Dager, S.R., Friedman, S.D., Shaw, D.W.W., Sparks, B., Richards, T.L., Munson, J., Artru, A.A., Giedd, J., & Dawson G. (2001, December). Brain Structural and Chemical Abnormalities in Childhood Autism. Annual Meeting, American College of Neuropsychopharmacology.
7. Dager, S., Munson, J., Friedman, S., Webb, S., Shaw, D., Sparks, B., Artru, R., Abbott, R., & Dawson, G. (2002, November). Neuroimaging relationship to behavioral performance and clinical course in young children with ASD. Presented at the 2002 Meeting of the International Society for Autism Research, Orlando, FL.
8. Dawson, G., Schellenberg, G., Wijsman, E., Munson, J., & Estes, A. (2002, November). Quantitative assessments of autism symptoms in probands and family members: Broader Phenotype Autism Scale. Presented at the 2002 Meeting of the International Society for Autism Research, Orlando, FL.
9. Dawson, G., Munson, J., Estes, A., & Abbott, R. (2003, April). Early neurocognitive predictors of variations in developmental trajectory in autism. Accepted for presentation at the 2003 meeting of the Society for Research in Child Development. Tampa, FL.
10. Toth, K., Munson, J., Estes, A., Abbott, R., & Dawson, G. (2003, April). Joint Attention Predicts Rate of Language and Social Growth in Young Children With Autism. Poster presented at the 2003 meeting of the Society for Research in Child Development. Tampa, FL.
11. Toth, K., Dawson, G., Meltzoff, A., & Munson, J. (2004). Early predictors of language growth in young children with autism: Joint attention, imitation, and toy play. Poster presented at the International Meeting for Autism Research, Sacramento, CA.
12. Dawson, G., Webb, S.J., Wijsman, E., Schellenberg, G., Estes, A., Munson, J., & Faja, S. Face Processing is Altered in Parents of Children With Autism: Neurocognitive and Neurophysiological Evidence. Accepted for presentation at the 2005 Meeting of the Society for Research in Child Development. Atlanta, GA.
13. Estes, A. M., Munson, J., Clary, L., & Dawson, G. Presence of a Broader Phenotype of Autism in Siblings From Multiplex Autism Families Accepted for presentation in the Symposium on "Autism in Infancy" S. Ozonoff and N. Yirmiya (Chairs) at the 2005 Meeting of the Society for Research in Child Development. Atlanta, GA.

14. Munson, J., Dawson, G., Lord, C., Rogers, S., Sigman, M., & Abbott, R. Evidence for a bimodal distribution of neurocognitive function in autism. Presented at the 2005 meeting of the Collaborative Programs of Excellence in Autism (CPEA). Bethesda, MD.
15. Munson, J.A. (2009). Inferences on cognition in nonverbal children via real-time analysis of eye gaze. Poster presented at the International Meeting for Autism Research, Chicago, IL.

EXPERT TESTIMONY

Dr. Munson has worked as an expert in relation to data management and statistical analysis on over 40 cases with attorneys from Schroeter, Goldmark, & Bender, the Law Office of David Mark, Terrell Marshall Law Group, Rehki & Wolk, and Barnard, Iglitzin, & Lavitt.

Trial Testimony:

Pellino v. Brinks, Incorporated

Hill v. Garda CL Northwest, Inc.

Bruner, et al. v. Davis Wire Corporation

Espinoza v. MH Janitorial Services, LLC

Washington State Nurses Association v.

Yakima HMA LLC, d/b/a Yakima Regional Medical and Cardiac Center

Deposition Testimony:

Pellino v. Brinks, Incorporated

Hill v. Garda CL Northwest, Inc.

Bruner, et al. v. Davis Wire Corporation

Owens v. Bethlehem Construction Inc.

Watkins et al. v. United Parcel Service, Inc.

Elliott v. Cadman, Inc.

Thompson, Edwards, and Rowe v. Peterson Brothers, Inc.

Ott v. Mortgage Investors Corporation

Washington State Nurses Association v.

Yakima HMA LLC, d/b/a Yakima Regional Medical and Cardiac Center

Hardie et al. v. Best Parking Lot Cleaning Inc.

GRANTS

Special Hope Foundation Munson (PI) 7/1/08-6/30/09

Communication and Gaze in Children with Disabilities

The purpose of this project is to develop an innovative assessment tool using eye-tracking technology that is integrated in real-time with real-time 3D rendered graphics. The integration of these two technologies will provide a means to investigate social-cognition and language comprehension in children with limited communication abilities.

Role: Principal Investigator

P50HD055782 NICHD/NIDCD King (PI), Munson (Core PI) 8/1/07– 7/31/12

UW Autism Center of Excellence

The goals of this project are to (1) discover genetic and environmental risk factors for autism, (2) identify early behavioral and neurophysiological risk indices of autism, (3) examine early manifestations of abnormal brain development in autism, (4) conduct a randomized clinical trial aimed at reducing and preventing the onset of autism symptoms, (5) conduct a follow-up study of early intensive behavioral intervention in autism, and (6) identify risk factors for the development of associated conditions in adolescence in autism.

Role: Principal Investigator of Statistics and Data Management Core

Simons Foundation Munson (PI) 2/1/12-1/31/13

Novel Measurement of Imitation and Motor Control in Severe Autism

This project will use novel computer-based activities to study imitation and motor planning skills in a sample of severely impaired adolescents with autism. The activities use the Microsoft Kinect depth camera to record body movement in fine-detail as the students pop balloons, balance blocks, play “follow the leader”, and pilot an airplane. During these activities we will measure how students modify their movements in response to what they observe on the screen. This will allow us to assess the learning process as it unfolds based on behavior the student initiates on his or her own. Tools that can assess subtle changes in behavior and learning are needed to support treatment research for those with the most severe impairments.

Role: Principal Investigator

TEACHING

Faculty sponsor for Jae Kim, Student of Dr. Kelvin Sung in the senior internship program in the UW Bothell Department of Computing and Software Systems. Project Title: *Integrating Eye-tracking Device-Driven Applications for Studying Autism Using Valve's Source Real-time Game Engine*. (2009).

Faculty sponsor for Young Youn, Student of Dr. Kelvin Sung in the senior internship program in the UW Bothell Department of Computing and Software Systems. Project Title: *Eye-tracking Across Multiple Monitors Using Valve's Source Game Engine To Investigate Nonverbal Measures of Theory of Mind*. (2009).

Faculty Mentor to David Xue, Senior Capstone Project in the UW Department of Engineering (Department sponsor, Tom Lewis, PhD). Project Title: *Design of a toolset for evaluating visual attention variability in autistic children*. (2010).

SERVICE

Discussion Leader for the Biomedical Research Integrity Program Series, Department of Bioethics & Humanities, UW School of Medicine. (2010, 2012).

PROFESSIONAL AFFILIATIONS

International Society for Autism Research

APPENDIX B PREVIOUS TESTIMONY

Over the past five years I have provided trial and/or deposition testimony in the following cases:

Case	Case No.	Court	Trial testimony	Deposition testimony
Rojas v. Damco Distribution Services, Inc./Damco USA, Inc.	17-2-14133-5	Pierce County Superior Court		5/25/2019
Hardie et al. vs. Best Parking Lot Cleaning Inc.	17-2-27730-4	King County Superior Court		4/2/2019
Mendis v. Schneider National Carriers, Inc.	C15-0144-JCC	US District Court for the Western District of WA		2/7/2018
WA State Nurses Assoc v. Yakima Regional Medical and Cardiac Center	15-2-01109-9	Yakima County Superior Court	1/26/2018 & 2/5/2018	1/10/2017 & 5/19/2017
Espinoza v. MH Janitorial Services, LLC	14-2-26201-9	King County Superior Court	1/23/2017	
Hill, et al. v. Garda CL Northwest, Inc	09-2-07360-1	King County Superior Court	6/16/2015	4/23/2015
Southwell v. Mortgage Investors Corp.	2:23-cv-01289-MJP	US District Court for the Western District of Washington		7/18/2014
Bruner v. Davis Wire Corp.	12-2-15676-0	King County Superior Court	9/3/2014	6/27/2014

APPENDIX C COMPENSATION

I am working at my current rate of \$350 per hour for analysis and testimony for this case.

EXHIBIT C

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Tacoma, Washington; July 9, 2018

9:50 a.m.

--oOo--

RYAN KIMBLE,

sworn as a witness by the certified court reporter,

testified as follows:

E X A M I N A T I O N

BY MS. BAKER:

Q. Good morning, Mr. Kimble.

A. Good morning.

Q. As you know, my name is LaRond Baker and I'm an attorney for the State of Washington in this matter. Our other counsel who's at the table is Andrea Brenneke. And we are here with Cassidy, who is our intern.

Would you please state your full name for the record.

A. Ryan Edward Kimble.

Q. How do you spell your last name?

A. K-I-M-B-L-E.

Q. And your employer?

A. The Geo Group.

Q. And what is your position for the Geo Group?

A. I'm the associate warden for finance and



1 Q. How many sizes of units are there?

2 A. There is usually the A pod is the biggest pod.
3 And then it's -- the other two pods are basically equal.
4 It all fluctuates based on the number of detainees that
5 are brought in by ICE and the number of detainees that
6 are -- that ICE has said that they're to be either
7 transported back to their home country of origin or
8 released to the community.

9 Q. So the number of detainee-workers correlates
10 to the number of detainees that are housed in the pod?

11 A. Uh-huh.

12 MS. MELL: Is that yes?

13 A. Yes.

14 Q (By Ms. Baker) How does Geo make the
15 determination of how many workers will be assigned to a
16 pod based off of the pod population?

17 MS. MELL: Object to the form of the question.

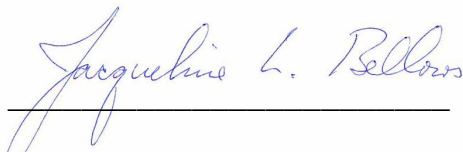
18 A. This was just used to give as many as
19 possible. This is just as-many-as-possible people,
20 'cause that was our mandate, try and provide as many as
21 possible opportunities for the detainees. So this is,
22 you know, these detainees, there could possibly be one
23 person doing the shower in the morning and a second
24 person doing the shower -- the same shower in the
25 afternoon, a third person doing the shower in the



1 REPORTER'S CERTIFICATE

2 I, JACQUELINE L. BELLOWS, the undersigned
3 Certified Court Reporter pursuant to RCW 5.28.010 authorized
4 to administer oaths and affirmations in and for the State of
5 Washington, do hereby certify that the sworn testimony
6 and/or proceedings, a transcript of which is attached, was
7 given before me at the time and place stated therein; that
8 any and/or all witness(es) were duly sworn to testify to the
9 truth; that the sworn testimony and/or proceedings were by
10 me stenographically recorded and transcribed under my
11 supervision, to the best of my ability; that the foregoing
12 transcript contains a full, true, and accurate record of all
13 the sworn testimony and/or proceedings given and occurring
14 at the time and place stated in the transcript; that a
15 review of which was requested; that I am in no way related
16 to any party to the matter, nor to any counsel, nor do I
17 have any financial interest in the event of the cause.

18 WITNESS MY HAND AND DIGITAL SIGNATURE this
19 27th day of July, 2018.

20
21 

22 _____
23 Jacqueline L. Bellows
24 Washington State Certified Court Reporter, No. 2297
25 jbellows@yomreporting.com

