

Exhibit 563

Expert Report of Andrew Brod, Ph.D.

In the matter of

Robert Welch v. United States of America

Case No. 7:23-CV-01503

May 8, 2025



1. Introduction

In this report, I provide a preliminary assessment and rebuttal of the plaintiff's expert report regarding economic damages in Welch v. USA. The report, written by Chad L. Staller and Stephen M. Dripps (S&D), claims damages for household services, past medical expenses, and the value of a life-care plan (LCP).

Mr. Welch was diagnosed with Parkinson's disease (PD) in November 2021, and he claims that the diagnosis resulted from his exposure to contaminated water at Camp Lejeune. He further claims to have incurred economic damages as a result of that exposure. For the sole purpose of producing this report, I will assume that liability has been established.

In addition, I will address the issue of offsets for Mr. Welch's support and care by the U.S. government.

As further information becomes available on any of the issues addressed in this memorandum, I may update my analysis.

2. About Dr. Brod

I did my undergraduate work at the University of Illinois and earned a Ph.D. in economics from the University of Minnesota. My undergraduate majors were mathematics and economics, and my graduate fields were econometrics and industrial organization. I have worked for the American Medical Association and the University of North Carolina at Greensboro. At UNCG, I taught courses in statistics, forecasting, econometrics, and microeconomics, and I directed an applied economic research center for more than a decade. I retired from UNCG in 2010 and have worked since then as a self-employed economic consultant.

I have worked in forensic economics for more than 25 years. I work for both plaintiffs and defendants, primarily analyzing and testifying about economic damages, though I have conducted other kinds of analyses. My work focuses on projections of lost earnings in personal-injury and wrongful-death cases, lost profits in complex commercial cases, and the valuation of life-care plans.

My billing rates are \$480 per hour for case review, research, and report writing; \$240 per hour for out-of-town travel, and \$750 per hour for testimony (with a \$1,800 daily minimum). I bill for my assistant's time at a rate of \$160 per hour.

My resume and a four-year testimony log are included in this report as Appendices B and C. A list of recent publications is included in my resume.

3. Household Services

S&D's report presents a value of lost household services through March 1, 2025, at which point such services are assumed to be covered by the LCP. However, S&D do not express an expert opinion regarding the number of service hours Mr. Welch could have provided but for his PD. They present an average number of hours based on data

published by the U.S. Bureau of Labor Statistics, but that number applies to all men of Mr. Welch's age. S&D do not address the likelihood that Mr. Welch would have actually done that many hours of household chores.

According to the Department of Veterans Affairs, Mr. Welch suffers from various conditions that preceded his PD, including degenerative joint disease.¹ I do not have the expertise to determine which, if any, household chores Mr. Welch's non-PD conditions allowed him to do, and S&D appear not to have investigated this issue at all. Instead, they present a calculation for one service hour per week, leaving the task of determining the number of weekly hours to the finder of fact in this case.

Given the possibility that Mr. Welch might not have been able to perform any household chores even if he had not contracted PD, and because S&D do not express a clear opinion about the number of lost service hours due to PD, it is my opinion that there is no basis to include lost household services in Mr. Welch's economic damages.

4. Past Medical Expenses

S&D assert that "Mr. Welch has been billed approximately \$103,246.12 in medical expenses related to his diagnosis." But their only evidence of that is an assertion in the First Amended Track 1 Trial Plaintiff Damages Assessment for Mr. Welch, which cites a Kaiser Permanente summary of medical expenses.² There is no indication that S&D analyzed these medical expenses or verified that they are strictly PD-related.

5. Future Medical Expenses: Life-Care Plan

A life-care plan (LCP) for Mr. Welch was prepared by the defense life-care planner, Michael Shahnasarian, Ph.D. The LCP describes various medications, treatments, and equipment that Dr. Shahnasarian believes Mr. Welch will need in the future as a result of his PD. The plan provides estimates of the costs of these items over Mr. Welch's remaining life.

The economic analysis of an LCP involves (a) identifying inflation, or growth, rates that allow medical costs to be projected into the future, and (b) using a discount rate to express the streams of future costs as lump-sum present values. I took the cost estimates provided in the Shahnasarian LCP and obtained reasonable growth rates for the costs in each category, based on components of the Consumer Price Index (CPI). Following S&D, I calculated average inflation rates over the period 2013-2024.³ I assigned CPI components in order to capture the bulk of the spending in each category. The table on the following page associates these growth rates with the LCP categories.

¹ Veterans Benefits Administration, Rating Decision, April 13, 2022, 01503_WELCHR_VBA_00000246.

² Kaiser Permanente, Declaration of Custodian of Medical/Billing Records, June 2024, 01503_WELCH_0000000164-262

³ S&D state that their growth rates are the average annual percent changes in the corresponding components of the CPI between 2003 and 2023, but my calculations show that they were actually the averages between 2013 and 2023. I added 2024 because we now have data for all of that year.

Table A: Life-Care Plan Categories and Growth Rates

LCP category	Growth Rate	CPI Component
Evaluations	1.52%	Physicians' services
Therapeutic Needs	1.45%	Services by other medical professionals
Diagnostic Tests		
Home Facility Care, RN/LPN		
Home Environmental Analysis		
Wheelchair Needs	0.84%	Medical equipment and supplies
Aids for Independent Living		
Drugs and Supply Needs	2.11%	Prescription drugs
Home Facility Care, ex RN/LPN	3.49%	Care of elderly and invalids at home
Personal Fitness	2.74%	All items

I did not assign a growth rate to the Transportation Needs category, because it involves a one-time cost at an unspecified time, which I treated as being in the first year of the analysis. I divided the Shahnasarian LCP's Home Facility Care category into two parts to capture the different nature (and inflation rates) of the activities in that category.

The Shahnasarian LCP expresses costs in ranges for some items, so I followed suit and calculated lower and upper bounds on the value of the LCP. My projections start on March 1, 2025, and extend until the expected end of Mr. Welch's life. Following S&D, I used CDC demographic data to determine that Mr. Welch's remaining life expectancy on March 1 was 7.6 years, implying a total life expectancy of 88.1 years.⁴

In order to calculate the present value of future medical expenses, I discounted all future values, using the same 4.35% discount rate that S&D used. The results of my analysis appear in Table B; detailed results appear in Appendix A.

Table B: Present Value of Life-Care Plan, by Category

LCP category	Lower	Upper
Evaluations	\$5,163	\$9,254
Therapeutic Needs	\$20,123	\$48,725
Diagnostic Tests	\$554	\$1,876
Wheelchair Needs	\$870	\$1,365
Aids for Independent Living	\$96	\$1,573
Drugs and Supply Needs	\$6,180	\$48,743
Home Facility Care, RN/LPN	\$9,395	\$18,790
Home Facility Care, ex RN/LPN	\$124,421	\$231,380
Transportation Needs	\$950	\$950
Personal Fitness	\$17,796	\$24,914
Home Environmental Analysis	\$389	\$400
Total	\$185,937	\$387,971

⁴ S&D calculate a total life expectancy of 88.0 years from February 6, 2025, the date of their report.

As Table B shows, the present value of the cost of the Shahnasarian LCP is between **\$185,937** and **\$387,971**.

6. Offsets to Damages

The economic damages in this case are properly offset by certain defined expenses that have been and will be incurred by the federal government on behalf of Mr. Welch. Such offsets fall into two categories, (a) past and future disability benefits, and (b) past and future medical benefits.

Disability Benefits: The April 2022 Rating Decision for Mr. Welch by the Veterans Benefits Administration (VBA) identified an array of PD-related and non-PD-related conditions, all with disability percentages assigned to them.⁵ These non-PD-related conditions and percentages are reproduced in Table C. I fed the percentages in Table C into the VA's Combined Disability Rating Calculator to determine the joint rating of Mr. Welch's non-PD-related health conditions.⁶ The result of this calculation was a non-PD combined disability rating of 100%.

Table C: Robert Welch's Non-PD-Related Disabilities

Disability	Disability Percentage
Degenerative Joint Disease, Cervical Spine and Thoracic Spine	60%
Degenerative Joint Disease, Lumbar Spine	40%
Gastroesophageal Reflux Disease associated with Degenerative Joint Disease, Cervical Spine and Thoracic Spine	30%
Cephalalgia associated with Degenerative Joint Disease, Lumbar Spine	30%
Plantar Calcaneal Spurs with Plantar Fasciitis and Des Planus, Right Foot	20%
Plantar Calcaneal Spurs with Plantar Fasciitis and Des Planus, Left Foot	20%
Right Shoulder Impingement Syndrome	20%
Left Shoulder Impingement Syndrome associated with Degenerative Joint Disease, Cervical Spine and Thoracic Spine	20%
Minimal Degenerative Arthritis, Bilateral Hips	10%
Patellofemoral Pain Syndrome, Right Knee	10%
Patellofemoral Pain Syndrome, Left Knee	10%
Gastrocnemius Equines with Talonavicular Joint Disease, Right Ankle	10%
Gastrocnemius Equines with Talonavicular Joint Degenerative Disease, Left Ankle	10%
Tinnitus	10%
Combined Rating, per VA Calculator	100%

⁵ Veterans Benefits Administration, Rating Decision, April 13, 2022, 01503_WELCHR_VBA_00000246.

⁶ "About Disability Ratings," <https://www.va.gov/disability/about-disability-ratings/>

Therefore, from the perspective of the VBA, Mr. Welch was 100% disabled even before he contracted PD. The PD-related increment to his VBA disability benefit is zero, which implies that there is no past or future disability offset for Mr. Welch.

Medical Offsets: Mr. Welch's past medical offsets are addressed in various memoranda and notes. A memorandum by the Veterans Health Administration (VHA), accompanied by a spreadsheet exhibit, lists the Camp Lejeune-related expenses incurred by VHA on behalf of various CLJA plaintiffs. The amount listed for Mr. Welch is **\$1,607.32**.

Mr. Welch's future medical offsets are summarized in a report by Henry Miller of the Berkeley Research Group, which lists the projected payments for the items in the Shahnasarian LCP, by both Medicare and VHA. The Miller report retains the categories and treatments of the Shahnasarian LCP, and its implied results can be construed as a pair of modifications of the LCP. The results of the modified Shahnasarian LCPs appear in Tables D and E.

Table D: Present Value of Modified LCP, by Category – Medicare

LCP category	Lower	Upper
Evaluations	\$2,744	\$2,935
Therapeutic Needs	\$10,877	\$12,430
Diagnostic Tests	\$189	\$378
Wheelchair Needs	\$247	\$264
Aids for Independent Living	\$356	\$678
Drugs and Supply Needs	\$10,729	\$10,729
Home Facility Care, RN/LPN	\$17,386	\$17,386
Home Facility Care, ex RN/LPN	\$0	\$0
Transportation Needs	\$90	\$90
Personal Fitness	\$0	\$0
Home Environmental Analysis	\$0	\$0
Total	\$42,618	\$44,890

As Table D shows, Medicare is projected to cover between **\$42,618** and **\$44,890** of the cost of the Shahnasarian LCP.

The projected payments by VHA appear in Table E, on the next page. Table E indicates that the projected coverage by VHA is between **\$152,441** and **\$261,461**.

The court may decide to subtract these amounts from the corresponding lower and upper bounds of the present value of the original Shahnasarian LCP, to arrive at a net value of the cost of Mr. Welch's future medical care.

Table E: Present Value of Modified LCP, by Category – VHA

LCP category	Lower	Upper
Evaluations	\$3,431	\$3,669
Therapeutic Needs	\$13,597	\$15,537
Diagnostic Tests	\$237	\$473
Wheelchair Needs	\$309	\$330
Aids for Independent Living	\$444	\$848
Drugs and Supply Needs	\$0	\$0
Home Facility Care, RN/LPN	\$17,386	\$17,386
Home Facility Care, ex RN/LPN	\$116,823	\$222,999
Transportation Needs	\$112	\$112
Personal Fitness	\$0	\$0
Home Environmental Analysis	\$104	\$107
Total	\$152,441	\$261,461

7. Plaintiff's LCP

A plaintiff's LCP was produced by Michael Fryar, M.S. S&D calculated the present value of the Fryar LCP to be \$591,848. In case the court adopts the Fryar LCP, I calculated the value of the future medical offsets as applied to that LCP.

The Miller report also addresses the Fryar LCP. As he did with the Shahnasarian LCP, Mr. Miller lists the projected payments by Medicare and VHA for the items in the Fryar LCP. The results of the modified Fryar LCPs appear in Tables F and G.

Table F: Present Value of Modified Fryar LCP, by Category – Medicare

LCP category	Lower	Upper
Physician Care	\$1,586	\$2,115
Evaluations	\$4,274	\$4,422
Therapies	\$14,345	\$14,345
Medications	\$10,729	\$10,729
Diagnostic & Laboratory Studies	\$189	\$568
Medical Equipment & Supplies	\$10,703	\$11,049
Health Strength Maintenance	\$0	\$0
Financial Management Services	\$0	\$0
Support Services	\$0	\$0
Home Care Services – Nurse	\$43,614	\$43,614
Home Care Services – CNA	\$400,824	\$400,824
Facility Care	\$45,769	\$45,769
Transportation	\$90	\$90
Residential Modifications	\$0	\$0
Total	\$532,123	\$533,524

Therefore, according to the Miller report, Medicare is projected to cover between **\$532,123** and **\$533,524** of the cost of the Fryar LCP.

Table G: Present Value of Modified Fryar LCP, by Category – VHA

LCP category	Lower	Upper
Physician Care	\$1,983	\$2,644
Evaluations	\$5,342	\$5,528
Therapies	\$17,931	\$17,931
Medications	\$0	\$0
Diagnostic & Laboratory Studies	\$237	\$710
Medical Equipment & Supplies	\$13,378	\$13,811
Health Strength Maintenance	\$0	\$0
Financial Management Services	\$0	\$0
Support Services	\$0	\$0
Home Care Services – Nurse	\$43,614	\$43,614
Home Care Services – CAN	\$400,824	\$400,824
Facility Care	\$310,226	\$310,226
Transportation	\$112	\$112
Residential Modifications	\$6,800	\$6,800
Total	\$800,448	\$802,199

The Miller report implies that VHA coverage is projected to pay between **\$800,448** and **\$802,199** for the services and treatments included in the Fryar LCP.

8. Conclusions

My findings in this report are as follows:

- (a) There is no basis for a claim of lost household services;
- (b) The present value of the Shahnasarian LCP is between **\$185,937** and **\$387,971**;
- (c) There are no offsets for disability benefits;
- (d) Past medical offsets total **\$1,607**;
- (e) The present value of future medical offsets is between **\$42,618** and **\$44,890** under Medicare coverage, and between **\$152,441** and **\$261,461** under VHA coverage; and
- (f) If the court adopts the plaintiff's LCP, the present value of future medical offsets is between **\$532,123** and **\$533,524** under Medicare coverage, and between **\$800,448** and **\$802,199** under VHA coverage.

The opinions set forth in this report, which are my present opinions to a reasonable degree of certainty, are based in part upon my review of the available documents provided to me. The data and facts relied upon in formulating my conclusions are the type of data reasonably and typically relied upon by experts in the field of forensic economics.

9. References

- Short-Form Complaint, 01503_Complaint_LMI_0000000001-006
- Life-care plan by Michael Shahnasarian, Ph.D., May 2025
- Expert report by Henry Miller, May 2025

- Rehabilitation Evaluation of Robert Eugene Welch, by Michael Shahnasarian, Ph.D., May 2025
- Draft letter by Stephen Gollomp, M.D., May 2025
- Expert report by Chad L. Staller and Stephen M. Dripps, February 2025
- Life-care plan by Michael Fryar, February 2025
- Veterans Benefits Administration, Rating Decision, April 13, 2022, 01503_WELCHR_VBA_00000246
- Department of Veterans Affairs, Combined Disability Rating Calculator, <https://www.va.gov/disability/about-disability-ratings/>
- Letter from VBA, dated May 1, 2025, along with data spreadsheet, "RITA_2025-54151_results_04302025.xlsx"
- Benefits Coordination and Recovery Center, Memorandum by Kathleen Hunter, April 2025, and associated data
- Department of Veterans Affairs, Office of Integrated Veteran Care, Memorandum and exhibit on Community Care Network, February 2025, and associated data
- Veterans Health Administration, Memorandum on VHA Expenses, March 2025, and associated data
- First Amended Track 1 Trial Plaintiff Damages Assessment of Robert Welch
- Kaiser Permanente, Declaration of Custodian of Medical/Billing Records, June 2024, 01503_WELCH_0000000164-262
- U.S. Department of Labor, Bureau of Labor Statistics: Consumer Price Index data at www.bls.gov/cpi/
- "United States Life Tables, 2021," *National Vital Statistics Reports*, Vol. 72, No. 12, November 2023

10. Author Information

My business name and address are:

Andrew Brod, Ph.D.
 Brod Forensic Economics
 4501 Kenbridge Drive
 Greensboro, NC 27410

Andrew C. Brod

Appendix A

Shahnasarian LCP

Lower Bound

Year	Age on 1/1	Wheel-chair Needs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Home Care, Nurse	Architect Renovs
2025	80	\$0	\$710	\$2,000	\$4,173	\$554	\$0	\$0	\$0
2026	81	\$0	\$833	\$2,363	\$3,783	\$0	\$0	\$1,458	\$389
2027	82	\$0	\$815	\$2,327	\$2,337	\$0	\$0	\$1,418	\$0
2028	83	\$0	\$798	\$2,291	\$1,949	\$0	\$0	\$1,378	\$0
2029	84	\$638	\$781	\$2,255	\$2,209	\$0	\$13,731	\$1,340	\$0
2030	85	\$80	\$764	\$2,221	\$1,842	\$0	\$27,235	\$1,303	\$0
2031	86	\$77	\$748	\$2,186	\$2,088	\$0	\$27,009	\$1,267	\$0
2032	87	\$75	\$732	\$2,153	\$1,741	\$0	\$26,785	\$1,231	\$0
		\$870	\$6,180	\$17,796	\$20,123	\$554	\$94,761	\$9,395	\$389

Year	Age on 1/1	Transport	Evals	Aids Indep Living	Support Services	Annual
2025	80	\$950	\$621	\$0	\$3,250	\$12,258
2026	81	\$0	\$2,472	\$0	\$3,868	\$15,166
2027	82	\$0	\$369	\$0	\$3,836	\$11,102
2028	83	\$0	\$359	\$96	\$3,804	\$10,675
2029	84	\$0	\$349	\$0	\$3,772	\$25,077
2030	85	\$0	\$340	\$0	\$3,741	\$37,525
2031	86	\$0	\$331	\$0	\$3,710	\$37,416
2032	87	\$0	\$322	\$0	\$3,679	\$36,718
		\$950	\$5,163	\$96	\$29,660	\$185,937

Shahnasarian LCP

Upper Bound

Year	Age on 1/1	Wheel-chair Needs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Home Care, Nurse	Architect Renovs
2025	80	\$0	\$5,597	\$2,800	\$9,418	\$1,876	\$0	\$0	\$400
2026	81	\$0	\$6,572	\$3,308	\$8,929	\$0	\$0	\$2,917	\$0
2027	82	\$838	\$6,431	\$3,257	\$5,709	\$0	\$21,480	\$2,835	\$0
2028	83	\$113	\$6,293	\$3,207	\$4,993	\$0	\$21,302	\$2,757	\$0
2029	84	\$109	\$6,158	\$3,158	\$5,396	\$0	\$21,125	\$2,680	\$0
2030	85	\$105	\$6,026	\$3,109	\$4,719	\$0	\$43,995	\$2,605	\$0
2031	86	\$102	\$5,897	\$3,061	\$5,100	\$0	\$43,630	\$2,533	\$0
2032	87	\$98	\$5,770	\$3,014	\$4,461	\$0	\$43,269	\$2,463	\$0
		\$1,365	\$48,743	\$24,914	\$48,725	\$1,876	\$194,800	\$18,790	\$400

Year	Age on 1/1	Transport	Evals	Aids Indep Living	Support Services	Annual
2025	80	\$950	\$1,658	\$0	\$4,008	\$26,707
2026	81	\$0	\$4,383	\$0	\$4,770	\$30,878
2027	82	\$0	\$573	\$854	\$4,731	\$46,707
2028	83	\$0	\$557	\$0	\$4,691	\$43,913
2029	84	\$0	\$542	\$0	\$4,653	\$43,821
2030	85	\$0	\$528	\$0	\$4,614	\$65,701
2031	86	\$0	\$513	\$0	\$4,576	\$65,412
2032	87	\$0	\$499	\$719	\$4,538	\$64,830
		\$950	\$9,254	\$1,573	\$36,581	\$387,971

Shahnasarian LCP, Modified by Miller / MEDICARE

Lower Bound

Year	Age on 1/1	Wheel-chair Needs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Home Care, Nurse	Architect Renovs
2025	80	\$0	\$1,232	\$0	\$2,636	\$189	\$0	\$0	\$0
2026	81	\$0	\$1,447	\$0	\$1,914	\$0	\$0	\$2,699	\$0
2027	82	\$0	\$1,416	\$0	\$1,240	\$0	\$0	\$2,624	\$0
2028	83	\$0	\$1,385	\$0	\$989	\$0	\$0	\$2,551	\$0
2029	84	\$247	\$1,355	\$0	\$1,172	\$0	\$0	\$2,480	\$0
2030	85	\$0	\$1,326	\$0	\$935	\$0	\$0	\$2,411	\$0
2031	86	\$0	\$1,298	\$0	\$1,108	\$0	\$0	\$2,344	\$0
2032	87	\$0	\$1,270	\$0	\$884	\$0	\$0	\$2,279	\$0
		\$247	\$10,729	\$0	\$10,877	\$189	\$0	\$17,386	\$0

Year	Age on 1/1	Transport	Evals	Aids Indep Living	Support Services	Annual
2025	80	\$90	\$359	\$0	\$0	\$4,505
2026	81	\$0	\$987	\$0	\$0	\$7,046
2027	82	\$0	\$249	\$0	\$0	\$5,529
2028	83	\$0	\$243	\$356	\$0	\$5,523
2029	84	\$0	\$236	\$0	\$0	\$5,490
2030	85	\$0	\$230	\$0	\$0	\$4,902
2031	86	\$0	\$223	\$0	\$0	\$4,973
2032	87	\$0	\$217	\$0	\$0	\$4,650
		\$90	\$2,744	\$356	\$0	\$42,618

Shahnasarian LCP, Modified by Miller / MEDICARE

Upper Bound

Year	Age on 1/1	Wheel-chair Needs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Home Care, Nurse	Architect Renovs
2025	80	\$0	\$1,232	\$0	\$2,790	\$378	\$0	\$0	\$0
2026	81	\$0	\$1,447	\$0	\$2,497	\$0	\$0	\$2,699	\$0
2027	82	\$264	\$1,416	\$0	\$1,386	\$0	\$0	\$2,624	\$0
2028	83	\$0	\$1,385	\$0	\$1,131	\$0	\$0	\$2,551	\$0
2029	84	\$0	\$1,355	\$0	\$1,310	\$0	\$0	\$2,480	\$0
2030	85	\$0	\$1,326	\$0	\$1,069	\$0	\$0	\$2,411	\$0
2031	86	\$0	\$1,298	\$0	\$1,238	\$0	\$0	\$2,344	\$0
2032	87	\$0	\$1,270	\$0	\$1,010	\$0	\$0	\$2,279	\$0
		\$264	\$10,729	\$0	\$12,430	\$378	\$0	\$17,386	\$0

Year	Age on 1/1	Transport	Evals	Aids Indep Living	Support Services	Annual
2025	80	\$90	\$550	\$0	\$0	\$5,040
2026	81	\$0	\$987	\$0	\$0	\$7,629
2027	82	\$0	\$249	\$368	\$0	\$6,307
2028	83	\$0	\$243	\$0	\$0	\$5,309
2029	84	\$0	\$236	\$0	\$0	\$5,381
2030	85	\$0	\$230	\$0	\$0	\$5,036
2031	86	\$0	\$223	\$0	\$0	\$5,103
2032	87	\$0	\$217	\$310	\$0	\$5,086
		\$90	\$2,935	\$678	\$0	\$44,890

Shahnasarian LCP, Modified by Miller / VHA

Lower Bound

Year	Age on 1/1	Wheel-chair Needs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Home Care, Nurse	Architect Renovs
2025	80	\$0	\$0	\$0	\$3,295	\$237	\$0	\$0	\$0
2026	81	\$0	\$0	\$0	\$2,392	\$0	\$0	\$2,699	\$104
2027	82	\$0	\$0	\$0	\$1,550	\$0	\$0	\$2,624	\$0
2028	83	\$0	\$0	\$0	\$1,236	\$0	\$0	\$2,551	\$0
2029	84	\$309	\$0	\$0	\$1,465	\$0	\$16,928	\$2,480	\$0
2030	85	\$0	\$0	\$0	\$1,169	\$0	\$33,576	\$2,411	\$0
2031	86	\$0	\$0	\$0	\$1,385	\$0	\$33,298	\$2,344	\$0
2032	87	\$0	\$0	\$0	\$1,105	\$0	\$33,022	\$2,279	\$0
		\$309	\$0	\$0	\$13,597	\$237	\$116,823	\$17,386	\$104

Year	Age on 1/1	Transport	Evals	Aids Indep Living	Support Services	Annual
2025	80	\$112	\$449	\$0	\$0	\$4,092
2026	81	\$0	\$1,233	\$0	\$0	\$6,428
2027	82	\$0	\$312	\$0	\$0	\$4,486
2028	83	\$0	\$303	\$444	\$0	\$4,535
2029	84	\$0	\$295	\$0	\$0	\$21,477
2030	85	\$0	\$287	\$0	\$0	\$37,442
2031	86	\$0	\$279	\$0	\$0	\$37,305
2032	87	\$0	\$272	\$0	\$0	\$36,676
		\$112	\$3,431	\$444	\$0	\$152,441

Shahnasarian LCP, Modified by Miller / VHA

Upper Bound

Year	Age on 1/1	Wheel-chair Needs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Home Care, Nurse	Architect Renovs
2025	80	\$0	\$0	\$0	\$3,487	\$473	\$0	\$0	\$107
2026	81	\$0	\$0	\$0	\$3,121	\$0	\$0	\$2,699	\$0
2027	82	\$330	\$0	\$0	\$1,732	\$0	\$24,589	\$2,624	\$0
2028	83	\$0	\$0	\$0	\$1,413	\$0	\$24,385	\$2,551	\$0
2029	84	\$0	\$0	\$0	\$1,637	\$0	\$24,183	\$2,480	\$0
2030	85	\$0	\$0	\$0	\$1,336	\$0	\$50,364	\$2,411	\$0
2031	86	\$0	\$0	\$0	\$1,547	\$0	\$49,946	\$2,344	\$0
2032	87	\$0	\$0	\$0	\$1,263	\$0	\$49,532	\$2,279	\$0
		\$330	\$0	\$0	\$15,537	\$473	\$222,999	\$17,386	\$107

Year	Age on 1/1	Transport	Evals	Aids Indep Living	Support Services	Annual
2025	80	\$112	\$688	\$0	\$0	\$4,866
2026	81	\$0	\$1,233	\$0	\$0	\$7,053
2027	82	\$0	\$312	\$460	\$0	\$30,047
2028	83	\$0	\$303	\$0	\$0	\$28,653
2029	84	\$0	\$295	\$0	\$0	\$28,595
2030	85	\$0	\$287	\$0	\$0	\$54,397
2031	86	\$0	\$279	\$0	\$0	\$54,117
2032	87	\$0	\$272	\$388	\$0	\$53,733
		\$112	\$3,669	\$848	\$0	\$261,461

Fryar LCP, Modified by Miller / MEDICARE

Lower Bound

Year	Age on 1/1	Equip & Wheel-chairs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Facility Care	Home Care, Nurse
2025	80	\$0	\$0	\$0	\$3,487	\$473	\$0	\$0	\$107
2026	81	\$0	\$0	\$0	\$3,121	\$0	\$0	\$2,699	\$0
2027	82	\$330	\$0	\$0	\$1,732	\$0	\$24,589	\$2,624	\$0
2028	83	\$0	\$0	\$0	\$1,413	\$0	\$24,385	\$2,551	\$0
2029	84	\$0	\$0	\$0	\$1,637	\$0	\$24,183	\$2,480	\$0
2030	85	\$0	\$0	\$0	\$1,336	\$0	\$50,364	\$2,411	\$0
2031	86	\$0	\$0	\$0	\$1,547	\$0	\$49,946	\$2,344	\$0
2032	87	\$0	\$0	\$0	\$1,263	\$0	\$49,532	\$2,279	\$0
		\$330	\$0	\$0	\$15,537	\$473	\$222,999	\$17,386	\$107

Year	Age on 1/1	Transport	Evals	Physician/ Medical	Finance Mgmt	Support Services	Annual
2025	80	\$90	\$1,149	\$283	\$0	\$0	\$60,766
2026	81	\$0	\$660	\$275	\$0	\$0	\$49,513
2027	82	\$0	\$642	\$268	\$0	\$0	\$95,064
2028	83	\$0	\$625	\$261	\$0	\$0	\$93,634
2029	84	\$0	\$608	\$253	\$0	\$0	\$92,931
2030	85	\$0	\$591	\$247	\$0	\$0	\$91,558
2031	86	\$0	\$0	\$0	\$0	\$0	\$47,388
2032	87	\$0	\$0	\$0	\$0	\$0	\$1,270
		\$90	\$4,274	\$1,586	\$0	\$0	\$532,123

Fryar LCP, Modified by Miller / MEDICARE

Upper Bound

Year	Age on 1/1	Equip & Wheel-chairs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Facility Care	Home Care, Nurse
2025	80	\$9,670	\$1,232	\$0	\$9,423	\$568	\$38,730	\$0	\$0
2026	81	\$381	\$1,447	\$0	\$1,041	\$0	\$46,090	\$0	\$0
2027	82	\$0	\$1,416	\$0	\$1,012	\$0	\$79,990	\$0	\$11,369
2028	83	\$356	\$1,385	\$0	\$984	\$0	\$79,327	\$0	\$11,053
2029	84	\$0	\$1,355	\$0	\$956	\$0	\$78,669	\$0	\$10,746
2030	85	\$332	\$1,326	\$0	\$930	\$0	\$78,018	\$0	\$10,447
2031	86	\$0	\$1,298	\$0	\$0	\$0	\$0	\$45,769	\$0
2032	87	\$310	\$1,270	\$0	\$0	\$0	\$0	\$0	\$0
		\$11,049	\$10,729	\$0	\$14,345	\$568	\$400,824	\$45,769	\$43,614

Year	Age on 1/1	Transport	Evals	Physician/ Medical	Finance Mgmt	Support Services	Annual
2025	80	\$90	\$1,297	\$377	\$0	\$0	\$61,387
2026	81	\$0	\$660	\$367	\$0	\$0	\$49,985
2027	82	\$0	\$642	\$357	\$0	\$0	\$94,785
2028	83	\$0	\$625	\$347	\$0	\$0	\$94,076
2029	84	\$0	\$608	\$338	\$0	\$0	\$92,672
2030	85	\$0	\$591	\$329	\$0	\$0	\$91,972
2031	86	\$0	\$0	\$0	\$0	\$0	\$47,067
2032	87	\$0	\$0	\$0	\$0	\$0	\$1,580
		\$90	\$4,422	\$2,115	\$0	\$0	\$533,524

Fryar LCP, Modified by Miller / VHA

Lower Bound

Year	Age on 1/1	Equip & Wheel-chairs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Facility Care	Home Care, Nurse
2025	80	\$12,088	\$0	\$0	\$11,779	\$237	\$38,730	\$0	\$0
2026	81	\$0	\$0	\$0	\$1,301	\$0	\$46,090	\$0	\$0
2027	82	\$460	\$0	\$0	\$1,265	\$0	\$79,990	\$0	\$11,369
2028	83	\$0	\$0	\$0	\$1,229	\$0	\$79,327	\$0	\$11,053
2029	84	\$430	\$0	\$0	\$1,195	\$0	\$78,669	\$0	\$10,746
2030	85	\$0	\$0	\$0	\$1,162	\$0	\$78,018	\$0	\$10,447
2031	86	\$401	\$0	\$0	\$0	\$0	\$0	\$163,944	\$0
2032	87	\$0	\$0	\$0	\$0	\$0	\$0	\$146,283	\$0
		\$13,378	\$0	\$0	\$17,931	\$237	\$400,824	\$310,226	\$43,614

Year	Age on 1/1	Transport	Evals	Physician/ Medical	Finance Mgmt	Support Services	Annual
2025	80	\$112	\$1,436	\$354	\$0	\$0	\$71,535
2026	81	\$0	\$825	\$344	\$0	\$0	\$48,560
2027	82	\$0	\$802	\$335	\$0	\$0	\$94,221
2028	83	\$0	\$781	\$326	\$0	\$0	\$92,716
2029	84	\$0	\$759	\$317	\$0	\$0	\$92,116
2030	85	\$0	\$739	\$308	\$0	\$0	\$90,673
2031	86	\$0	\$0	\$0	\$0	\$0	\$164,345
2032	87	\$0	\$0	\$0	\$0	\$0	\$146,283
		\$112	\$5,342	\$1,983	\$0	\$0	\$800,448

Fryar LCP, Modified by Miller / VHA

Upper Bound

Year	Age on 1/1	Equip & Wheel-chairs	Medications	Health & Strength	Therapies, Other Med Pros	Diagnostic Tests	Home Care	Facility Care	Home Care, Nurse
2025	80	\$12,088	\$0	\$0	\$11,779	\$710	\$38,730	\$0	\$0
2026	81	\$476	\$0	\$0	\$1,301	\$0	\$46,090	\$0	\$0
2027	82	\$0	\$0	\$0	\$1,265	\$0	\$79,990	\$0	\$11,369
2028	83	\$444	\$0	\$0	\$1,229	\$0	\$79,327	\$0	\$11,053
2029	84	\$0	\$0	\$0	\$1,195	\$0	\$78,669	\$0	\$10,746
2030	85	\$415	\$0	\$0	\$1,162	\$0	\$78,018	\$0	\$10,447
2031	86	\$0	\$0	\$0	\$0	\$0	\$0	\$163,944	\$0
2032	87	\$388	\$0	\$0	\$0	\$0	\$0	\$146,283	\$0
		\$13,811	\$0	\$0	\$17,931	\$710	\$400,824	\$310,226	\$43,614

Year	Age on 1/1	Transport	Evals	Physician/ Medical	Finance Mgmt	Support Services	Annual
2025	80	\$112	\$1,622	\$472	\$0	\$0	\$72,311
2026	81	\$0	\$825	\$459	\$0	\$0	\$49,151
2027	82	\$0	\$802	\$446	\$0	\$0	\$93,872
2028	83	\$0	\$781	\$434	\$0	\$0	\$93,269
2029	84	\$0	\$759	\$422	\$0	\$0	\$91,792
2030	85	\$0	\$739	\$411	\$0	\$0	\$91,191
2031	86	\$0	\$0	\$0	\$0	\$0	\$163,944
2032	87	\$0	\$0	\$0	\$0	\$0	\$146,670
		\$112	\$5,528	\$2,644	\$0	\$0	\$802,199

Appendix B

ANDREW C. BROD

President, Brod Forensic Economics
Senior Research Fellow, Center for Business and Economic Research, UNC-Greensboro
4501 Kenbridge Drive, Greensboro, NC 27410
Telephone: 336-707-6439
E-mail: Info@andrewbrod.com Web: <http://www.andrewbrod.com>

EDUCATION

1992: Ph.D. in Economics, University of Minnesota.
1985: M.A. in Economics, University of Minnesota.
1981: A.B. in Economics and Mathematics, University of Illinois.
Phi Beta Kappa, Cum Laude, and Distinction in Economics.

PROFESSIONAL EXPERIENCE

1997–present: President, Brod Forensic Economics
2010–present: Senior Research Fellow, Bryan School of Business and Economics, University of North Carolina at Greensboro.
1999–2010: Director, Center for Business and Economic Research, Bryan School of Business and Economics, University of North Carolina at Greensboro.
1989–99: Instructor and Assistant Professor, Department of Economics, University of North Carolina at Greensboro.
1988–89: Research Associate, University of Minnesota.
1986–88: Research Associate, Center for Health Policy Research, American Medical Association, Chicago, Illinois.
1981–85: Teaching Associate and Research Assistant, University of Minnesota.

RECENT APPLIED RESEARCH STUDIES

“Triad Business Census 2023,” for Triad Business Bank, February 2023
“Triad Business Census 2021,” for Triad Business Bank, May 2021
“Economic Impact of ‘60-by-30’,” for Community Foundation of Greater Greensboro, February 2020
“Assessing In-State Tuition for DACA Recipients,” for Community Foundation of Greater Greensboro, December 2019
“Triad Business Census 2019,” a feasibility study for TBB Organization, April 2019
“Economic Impact of the Proposed Lehigh Hanson Distribution Yard,” for Lehigh Hanson, Inc., August 2018.
“Valuation of Loflin Concrete and Related Entities,” for Loflin Concrete Company, Inc., August 2018.

“Assessment of Studies of House Values Near Rock Quarries,” for Lehigh Hanson, Inc., October 2017.

“Economic Impact of the Proposed Lehigh Hanson Quarry,” for Lehigh Hanson, Inc., October 2017.

“North Carolina Sales Tax Model,” for the North Carolina Economic Modeling Project, August 2017.

“Bee Safe Feasibility Study,” for The Carroll Companies, August 2016.

“Canada in the North Carolina Economy,” for the Department of Foreign Affairs, Trade and Development, Government of Canada, March 2016.

“The Economic Impact of the Greensboro Fire Department,” for the City of Greensboro, December 2015.

“Cityfi: Citywide Public Wi-Fi,” with Roch Smith, Jr., for the City of Greensboro’s Strong Cities, Strong Communities Challenge, June 2015.

“Assessing the North Carolina Film Tax Credit,” for Winston-Salem Business, Inc., May 2015.

“North Carolina Urban/Suburban Poverty,” for the City of Greensboro, September 2014.

“The Economic Impact of the Fuquay-Varina Cultural Arts Center,” for the FV Arts Foundation, September 2014.

“Macroeconomic Assessment of North Carolina’s Triad Region,” for Kisco Senior Living, August 2013.

“The Economic Impact of Improvements to Highway 17,” subcontract to Atkins Global, for the Highway 17 Association, February 2013.

“The History of Norfolk State University,” subcontract to Jack Faucett Associates, for the Economic Impact of Norfolk State University, Norfolk State University, December 2012.

“Analysis of Hendersonville, TN, Apartment Market,” for The Carroll Companies, May 2012.

“The Economic Impact of the Whitaker Park Development,” for Winston-Salem Business, Inc., June 2011.

“The Economic Impact of RAFI-USA’s Tobacco Communities Reinvestment Fund,” for the Rural Advancement Foundation International-USA, May 2011.

“A GIS Chartbook: RAFI-USA’s Tobacco Communities Reinvestment Fund,” with Bradley Bereitschaft, for the Rural Advancement Foundation International-USA, May 2011.

“Demographic and Economic Projections: North Carolina in 2040,” subcontract to PBS&J, for the North Carolina Statewide Transportation Plan, North Carolina Department of Transportation, March 2011.

“The Economic Impact of the Proposed National Banjo Center,” for Piedmont Folk Legacies, June 2010.

“The Economic Impact of UNCG’s Proposed School of Pharmacy,” for The University of North Carolina at Greensboro, April 2010.

“State Wine Regulations,” for The North Carolina Wine and Grape Council, April 2010.

“The Economic Impact of the Natural Science Center of Greensboro,” for the Natural Science Center of Greensboro, February 2009.

“An Economic Analysis of Case Management in Guilford County,” with Christopher Ruhm, for the Moses Cone Wesley Long Community Health Foundation, November 2008.

“Economic and Demographic Projections: North Carolina in 2020 and 2030,” subcontract to North Carolina State University’s Institute for Transportation Research and Education, for the NC Logistics Plan, North Carolina Office of State Budget and Management, April 2008.

“Guilford County’s Retail ‘Exports’,” for the Greensboro Merchants Association, April 2008.

RECENT NEWSPAPER AND MAGAZINE ARTICLES

“Lost Household Services in Lost Wages Projections,” *Triangle Attorney at Law*, January 2025

“Life-Care Plans and the Forensic Economist,” *Triangle Attorney at Law*, September 2024

“What For? The But-For Scenario,” *Triangle Attorney at Law*, June 2024

“Wrongful Death Cases Can Be Tricky,” *Triangle Attorney at Law*, February 2024

“Could ChatGPT Be Your Next Expert Witness?,” *Triangle Attorney at Law*, August 2023

“Covid-19, Life Expectancy, and Economic Damages,” *Triangle Attorney at Law*, February 2023

“Hedonic Damages in Civil Litigation,” *Triangle Attorney at Law*, October 2022

“Daubert Challenges from an Economist’s Perspective,” *Triangle Attorney at Law*, June 2022

“Lost Profit in Business Litigation,” *Triangle Attorney at Law*, February 2022

“Boom Supersonic Takes Flight,” *Greensboro News & Record*, January 30, 2022

“What the Pandemic Did to Your Business and My Business,” *Triangle Attorney at Law*, October 2021

“Economic Damages Playing Bigger Role in Med-Mal Cases,” *Triangle Attorney at Law*, May 2021

“A Decade of Interesting Economic Policy in N.C.,” *Triad Business Journal*, January 17, 2020

“When Giving, Remember the Cost of Unintended Consequences,” *Triad Business Journal*, December 6, 2019

“Trump in a Landslide?,” *Triad Business Journal*, October 25, 2019

“Don’t Oversell the Creative Economy,” *Triad Business Journal*, October 4, 2019

“Recessions – Remember Them?,” *Triad Business Journal*, September 6, 2019

“State Health Plan: A Game of Chicken?,” *Triad Business Journal*, August 2, 2019

“Let’s Dive Into the Triad’s Payroll Puzzle,” *Triad Business Journal*, May 31, 2019

“Treading Water: It’s Worse Than I Thought,” *Triad Business Journal*, April 26, 2019

“The Life Cycle in Forensic Economics,” *Triangle Attorney at Law Magazine*, April 2019

“The Yield Curve Inverted! The Yield Curve Inverted!,” *Triad Business Journal*, March 29, 2019

“Democratic Socialism or Social Democracy?,” *Triad Business Journal*, March 1, 2019

“NFL Drug Testing and the Sexes of Grandchildren,” *Triad Business Journal*, December 28, 2018

“Flipping the Bird at Pedestrians in the Triad?,” *Triad Business Journal*, November 30, 2018

“Trump, Media Confused on ‘Time Value of Money’,” *Triad Business Journal*, October 26, 2018

“Reflecting on Triad Workforce, 20 Years Later,” *Triad Business Journal*, September 14, 2018

“Medicare For All: Too Costly or Worth the Risk?,” *Triad Business Journal*, August 30, 2018

“The Economic Outlook: Rosy, Gloomy, or Iffy?,” *Triad Business Journal*, August 3, 2018

“If Labor is Scarce, Why Aren’t Wages Rising More?,” *Triad Business Journal*, June 29, 2018

“Are Rising Gasoline Prices an Omen of Recession?,” *Triad Business Journal*, June 1, 2018

“Medicaid Expansion: It’s Still Not Too Late for North Carolina,” *Triad Business Journal*, March 30, 2018

“Can We Really Win a Trade War?,” *Triad Business Journal*, March 9, 2018

“Loss of Auto Plant Hurts Even More the Second Time,” *Triad Business Journal*, January 26, 2018

“Here’s What the Triad Should Be Watching in 2018,” *Triad Business Journal*, January 5, 2018

“Can Greensboro-High Point's land Amazon's HQ2?,” *Triad Business Journal*, November 24, 2017

“Police Pursuits and the Value of a Statistical Life,” *Triad Business Journal*, October 27, 2017

“Celebrate Labor Day by Debunking Workforce Myths,” *Triad Business Journal*, September 1, 2017

“The Occasionally Curious World of Forensic Economics,” *Triangle Attorney at Law Magazine*, September 2017

“A Tale of Two, or Perhaps Five, North Carolinas,” *Triad Business Journal*, July 28, 2017

“Cutting Retiree Health Benefits is Penny-Wise and Pound-Foolish,” *Triad Business Journal*, June 30, 2017

“Public Cruelty as Economic Policy,” *Triad Business Journal*, May 26, 2017

“Auctions in the Air,” *Triad Business Journal*, April 28, 2017

“HB2 Means Slower Growth for North Carolina,” *Triad Business Journal*, March 31, 2017

“U.S. Labor Markets are Returning to (Almost) Normal,” *Triad Business Journal*, February 24, 2017

“Will U.S. Economy Suffer from a Trump Recession?,” *Triad Business Journal*, January 27, 2017

“Why is HB2 Still with Us? It's the Urban/Rural Divide,” *Triad Business Journal*, January 13, 2017

“Can President Trump Bring Back Manufacturing Jobs?,” *Triad Business Journal*, December 2, 2016

“This Year, the Economy Favors Neither Candidate,” *Triad Business Journal*, October 28, 2016

“North Carolina is Suffering from Self-Inflicted Wounds,” *Triad Business Journal*, October 24, 2016

RECENT PUBLIC PRESENTATIONS

“Writing Opinion Columns”: UNCG Young Writers’ Camp, 7/14/23 and 7/12/19

“Brief Economic Update”: Summit Rotary Club, 6/2/23; Institute of Management Accountants, Triad Chapter, 10/18/18; Edward R. Murrow Kiwanis, 8/14/18; Temple Emanuel, 11/1/17; Gate City Rotary Club, 8/17/17; Greensboro Kiwanis Club, 1/12/17; Institute of Management Accountants, Triad Chapter, 10/20/16; Crescent Rotary Club, 10/10/16.

“Coronavirus Economics”: Temple Emanuel, 7/29/20; Gate City Rotary Club, 5/14/20.

“‘60 by 30’: The Impact of Educational Attainment in Guilford County”: Community Foundation of Greater Greensboro, 5/22/20 and 2/25/20.

“U.S./North Carolina Economic Update”: Piedmont Triad Apartment Association, 1/17/20; Society of Financial Service Professionals, 2/20/18; Alamance Community College Foundation, 9/17/17; Society of Financial Service Professionals, 1/17/17; Bernard Robinson & Co., 10/25/16, 10/27/16; Society of Financial Service Professionals, 1/19/16.

“Forensic Economics”: UNCG chapter of National Association for Business Economics, 1/31/18.

“Economic Update for the U.S. and the Transportation Sector”: Transplace Southeast Carrier Symposium, 1/18/18, 11/10/16.

“Triad Economic Update/The Triad Business Index”: Moderate Chic Club, 8/25/16.

“The Economics of the Minimum Wage”: Southern Guilford Rotary Club, 7/19/16.

“Economic Implications of USPS Privatization”: Grand Alliance to Save our Public Postal Service, 6/29/16.

“The Economics of Immigration”: Holy Trinity Episcopal Church, 3/6/16.

ACADEMIC PUBLICATIONS

“Trends in Cooperative Research Activity: Has the National Cooperative Research Act Been Successful?” (with A. Link), in *Innovation Policy in the Knowledge-Based Economy* (edited by M. Feldman and A. Link), Kluwer Academic Publishers, 2001.

“Advantageous Semi-Collusion,” with Ram Shivakumar, *Journal of Industrial Economics*, June 1999.

“Migraine Preventive Medications: A Reappraisal,” with James Adelman, Randal Von Seggern, Lisa Mannix, and Alan Rapoport (2nd author), *Cephalalgia*, November 1998.

“Domestic versus International R&D Spillovers,” with Ram Shivakumar, *Economics Letters*, October 1997.

“R&D Cooperation and the Joint Exploitation of Cooperative R&D,” with Ram Shivakumar, *Canadian Journal of Economics*, August 1997.

“Economics as One of the Humanities: A Comment,” *Southern California Interdisciplinary Law Journal*, Winter 1995.

“Can Green Trade be Free Trade?,” *Global Perspectives*, Summer 1994.

RECENT PROFESSIONAL AND COMMUNITY SERVICE

2020–present: President, Finance Chair, and member of Board of Trustees, Temple Emanuel, Greensboro, NC

2006–20: Vice President, Campaign Chair, and member of Board of Trustees, Greensboro Jewish Federation.

2000–12: President, Vice President for Education, and member of Board of Trustees, Temple Emanuel, Greensboro, N.C.

2010–11: Member, Campaign Planning Committee, Community Theatre of Greensboro.

2006–2010: Faculty advisor, Hillel, The University of North Carolina at Greensboro.

2003–2005, 2006–2010: Vice President and member of Board of Directors, Association for University Business and Economic Research.

1999–2005: Member, Board of Directors, American Civil Liberties Union of North Carolina.

2001–02: Member, Action Greensboro task force on Attracting and Retaining Young Professionals.

2000–02: Member, Technical Advisory Team, City of Greensboro Comprehensive Plan, Greensboro, N.C.

1999–2000: Chair, Living-Wage Study Committee, City of Greensboro, N.C.

1999: Member, Citizen’s Advisory Board, Department of Storm Water Services, City of Greensboro, N.C.

Appendix C

Four-Year Testimony Log for Dr. Andrew Brod As of May 8, 2025

1. Estate of Guadalupe Vazquez-Alvarado v. Stellar HVAC LLC, et al
Damages expert for plaintiff's counsel, Riddle & Riddle LLP
Deposed: February 18, 2025
2. Sopheap Pang v. Wake Forest University Baptist Medical Center, et al
Damages expert for plaintiff's counsel, Law Offices of Gregory Kash
Deposed: January 31, 2025
3. Filomeno Orozco Vaquero v. Toll NC II LP, et al
Damages expert for plaintiff's counsel, Bricio Law Firm
Deposed: December 17, 2024
4. Aaron Casasola-Robles v. Ana T. Daley, R.N., et al
Damages expert for plaintiff's counsel, Mills & Mahoney, PA
Deposed: November 19, 2024
5. Clifford Hyatt v. North Carolina Farm Bureau Insurance, et al
Damages expert for plaintiff's counsel, Poisson, Poisson & Bower
Testified at arbitration hearing: November 6, 2024
6. Gregory Burgess v. United States of America
Damages expert for defendant's counsel, U.S. Department of Justice
Deposed: February 22, 2024
7. Rachelle Robinson-Ware v. Keenen Menefee-Long
Damages expert for plaintiff's counsel, Bullock, Clay & Furr, PLLC
Testified at trial: February 1, 2024
8. Jeffery Cambre v. Medical Imaging Center LLC, et al
Damages expert for plaintiff's counsel, Anderson, Johnson, Lawrence & Butler, LLP
Testified at trial: November 7, 2023
Deposed: May 3, 2023
9. Estate of Larry Toney v. Atrium Health, Inc., et al
Damages expert for plaintiff's counsel, Comerford, Chilson & Moser, LLP
Deposed: July 5, 2023
10. Estate of Worth Carter, Jr. v. Judith Szulecki, M.D.
Damages expert for plaintiff's counsel, Young, Haskins, Mann, Gregory & Wall, PC
Deposed: June 27, 2023

11. David Carmely v. United States of America
Damages expert for defendant's counsel, U.S. Department of Justice
Testified at trial: March 8, 2023
12. Estate of William Conti v. Jeremy Holdsworth, M.D., et al
Damages expert for plaintiff's counsel, Melvin Law Firm
Deposed: February 20, 2023
13. CIP Construction Company, et al v. Schindler Elevator Company
Damages expert for plaintiff's counsel, Rossabi Law Partners
Deposed: August 10, 2022
14. Donald Pearce v. Novant Medical Group, et al
Damages expert for plaintiff's counsel, Melvin Law Firm
Deposed: June 15, 2022
15. Lorraine Rusch v. High Point Clinical Trials Center LLC, et al
Damages expert for defendant's counsel, Rossabi Law Partners
Testified at trial: April 1, 2022
Deposed: December 22, 2021
16. April Williams v. North Carolina Baptist Hospital, et al
Damages expert for plaintiff's counsel, Melvin Law Firm
Deposed: March 10, 2022
17. Estate of Jennifer Huddle Edwards v. William Lindel, MD, et al
Damages expert for plaintiff's counsel, Gardner Barrow & Sharpe PC
Deposed: February 28, 2022
18. Cecil Staton v. Harry Smith, et al
Damages expert for defendant's counsel, Fox Rothschild LLP
Deposed: January 19, 2022
19. Estate of Kristopher Parks v. D Benton, Inc. et al
Damages expert for plaintiff's counsel, Riddle & Brantley
Deposed: December 14, 2021
20. Juanita Danzy v. Coloplast Corp. et al
Damages expert for plaintiff's counsel, Martin Baughman
Deposed: December 10, 2021
21. Estate of Justin Haggard v. Todd Ellis et al
Damages expert for plaintiff's counsel, Tatum Law Firm
Deposed: November 10, 2021
22. Joyce Hardison v. Wanda Goodson
Damages expert for plaintiff's counsel, Poisson, Poisson & Bower
Testified at trial: May 21, 2021