

Exhibit 560

Expert Report of Andrew Brod, Ph.D.

In the matter of

Edgar Allen Peterson, IV v. United States of America

Case No. 7:23-CV-01576

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 Peterson v. USA. The report, written by Chad L. Staller and Stephen M. Dripps (S&D), claims damages for lost earnings, lost household services, and the value of a life-care plan (LCP).

Mr. Peterson was diagnosed with Parkinson's disease (PD) in July 2001, 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. Peterson'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. Lost Earnings

S&D opine that Mr. Peterson's lost earning capacity is \$1,127,639, but their calculation includes one error that I will correct in this section. S&D projected Mr. Peterson's pre-PD earnings until his age of 68.4 years. The rehabilitation report of defense expert Dr. Michael Shahnasarian states that but for Mr. Peterson's PD, he would have worked until the age of 65 to 67 years. Consequently, I assumed a worklife expectancy of 66 years.

I adopted all of S&D's other assumptions and replicated their analysis, except for the slightly shorter worklife expectancy. The result of this corrected analysis was a present value of lost earnings of **\$885,284**.

4. Lost 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. Peterson 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. Peterson's age. S&D do not question whether Mr. Peterson would have actually done that many hours of household chores.^{1,2} 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 uncertainty regarding the extent of Mr. Peterson's pre-PD provision of household services, and because S&D do not express an opinion about the number of service hours that were lost due to PD, it is my opinion that there is no basis to include lost household services in Mr. Peterson's economic damages.

5. Future Medical Expenses: Life-Care Plan

A life-care plan (LCP) for Mr. Peterson 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. Peterson will need in the future as a result of his PD. The plan provides estimates of the costs of these items over Mr. Peterson'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. I assigned CPI components in order to capture the bulk of the spending in each category. Table A, on the following page, associates these growth rates with the LCP categories.

¹ Deposition of Lori Peterson, pp. 49, 52: She said that Mr. Peterson used to do chores around the house, but he rarely cooked and rarely worked in the yard.

² Rehabilitation Evaluation by Dr. Michael Shahnasarian, p. 25: "I inquired when he last performed yard work, and Mr. Peterson replied, 'I can't remember. I think it was during the Eisenhower Administration.'"

Table A: Life-Care Plan Categories and Growth Rates

LCP category	Growth Rate	CPI Component
Evaluations	1.52%	Physicians' services
Therapeutic Needs		
Therapeutic Needs, Other Med	1.45%	Services by other medical professionals
Home Facility Care, Nurse		
Wheelchair Needs	0.84%	Medical equipment and supplies
Supply Needs		
Aids for Independent Living		
Drugs	2.11%	Prescription drugs
Drugs, OTC	1.01%	Nonprescription drugs
Home Facility Care, ex Nurse	3.49%	Care of elderly and invalids at home
Transportation Needs	1.83%	New vehicles
Personal Fitness	2.74%	All items
Architectural Renovations	5.57%	New single-family houses under construction
Procedures/Hospitalizations	3.86%	Outpatient hospital services

As the table indicates, I divided three categories (Therapeutic Needs, Home Facility Care, and Drugs and Supply Needs) into multiple subcategories to capture the different natures (and inflation rates) of the activities in those categories.

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. Peterson's life. Following S&D, I used CDC demographic data to determine that Mr. Peterson's remaining life expectancy on March 1 was 9.8 years, implying a total life expectancy of 86.1 years.

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

As Table B shows, the present value of the cost of the Shahnasarian LCP is between **\$1,836,697** and **\$3,653,407**.

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. Peterson. Such offsets fall into two categories, (a) past and future disability benefits, and (b) past and future medical benefits.

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

LCP category	Lower	Upper
Evaluations	\$4,389	\$5,993
Therapeutic Needs	\$5,522	\$19,951
Therapeutic Needs, Other Med	\$41,612	\$127,511
Wheelchair Needs	\$7,628	\$10,102
Aids for Independent Living	\$6,051	\$16,048
Supply Needs	\$11,976	\$15,481
Drugs	\$13,241	\$117,567
Drugs, OTC	\$248	\$264
Home Facility Care, Nurse	\$4,682	\$11,445
Home Facility Care, ex Nurse	\$1,500,049	\$2,906,503
Transportation Needs	\$64,484	\$135,249
Personal Fitness	\$6,601	\$6,601
Architectural Renovations	\$100,000	\$100,000
Procedures/Hospitalizations	\$70,213	\$180,691
Total	\$1,836,697	\$3,653,407

Disability Benefits: Mr. Peterson has received disability benefits from the Veterans Benefits Administration (VBA) since 2013. His currently monthly benefit is \$4,638.12, which corresponds to a 100% disability rating.³ A May 1, 2025 letter from VBA, along with an accompanying spreadsheet, listed Mr. Peterson's disabilities, and all of them are PD-related.⁴ Therefore, all of his VBA benefits are due to his PD, and hence the full amount of \$4,638.12 per month is an offset in the context of this lawsuit.

I summed up past VBA benefits and projected the current benefit into the future, until Mr. Peterson's life expectancy of 86.1 years. By law, the benefit grows each year according to the Social Security Administration's cost-of-living adjustment (COLA). The average COLA for the years 2000-25 was 2.56%, so I assumed that his future VBA benefits will grow at a rate of 2.56% per year. I used the same discount rate as I did to calculate the present value of the LCP.

Based on the above information, the present value of this offset to Mr. Peterson's economic damages in this case, calculated from 2013 until his life expectancy, is **\$1,053,531**.

Medical Offsets: Mr. Peterson's past medical offsets are addressed in various memoranda and notes. A memorandum by a contractor to the Centers for Medicare and Medicaid Services states that PD-related claims totaling \$111,634.11 were paid by Medicare on Mr. Peterson's behalf.⁵ A memorandum by the Veterans Health Administration (VHA), accompanied by a spreadsheet exhibit, lists the Camp Lejeune-

³ VA Rating Decision, August 27, 2015, 01576_Peterson_VBA_0000001687-1690.

⁴ The accompanying spreadsheet is "RITA_2025-54151_results_04302025.xlsx".

⁵ Memorandum by Kathleen Hunter, Benefits Coordination and Recovery Center, April 1, 2025.

related expenses incurred by VHA on behalf of various CLJA plaintiffs.⁶ The amount listed for Mr. Peterson is \$4,578.61.

Adding up the above medical expenses yields a total value of past medical offsets of **\$116,213**.

Mr. Peterson'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 C and D.

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

LCP category	Lower	Upper
Evaluations	\$2,060	\$2,060
Therapeutic Needs	\$2,421	\$2,498
Therapeutic Needs, Other Med	\$18,471	\$23,231
Wheelchair Needs	\$5,880	\$10,050
Aids for Independent Living	\$4,795	\$6,108
Supply Needs	\$0	\$0
Drugs	\$35,460	\$35,460
Drugs, OTC	\$0	\$0
Home Facility Care, Nurse	\$24,068	\$48,136
Home Facility Care, ex Nurse	\$1,040,617	\$1,032,154
Transportation Needs	\$0	\$0
Personal Fitness	\$0	\$0
Architectural Renovations	\$0	\$0
Procedures/Hospitalizations	\$44,666	\$66,531
Total	\$1,178,437	\$1,226,230

As Table C shows, Medicare is projected to cover between **\$1,178,437** and **\$1,226,230** of the cost of the Shahnasarian LCP.

The projected payments by VHA appear in Table D, on the next page. Table D indicates that the projected coverage by VHA is between **\$4,824,820** and **\$6,973,451**.

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. Peterson's future medical care.

⁶ Veterans Health Administration memorandum by Janine Genovese, March 18, 2025.

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

LCP category	Lower	Upper
Evaluations	\$2,575	\$2,575
Therapeutic Needs	\$3,026	\$3,123
Therapeutic Needs, Other Med	\$23,089	\$29,040
Wheelchair Needs	\$7,349	\$12,562
Aids for Independent Living	\$6,118	\$7,794
Supply Needs	\$8,417	\$11,223
Drugs	\$0	\$0
Drugs, OTC	\$0	\$0
Home Facility Care, Nurse	\$24,068	\$48,136
Home Facility Care, ex Nurse	\$4,661,128	\$6,720,361
Transportation Needs	\$26,417	\$48,673
Personal Fitness	\$0	\$0
Architectural Renovations	\$6,800	\$6,800
Procedures/Hospitalizations	\$55,832	\$83,164
Total	\$4,824,820	\$6,973,451

7. Plaintiff's LCP

The plaintiff's LCP was produced by Kay Hairston, R.N. S&D calculated the present value of the Hairston LCP to be \$3,940,637. In case the court adopts the Hairston LCP, I calculated the value of the future medical offsets that apply to that LCP. The Miller report provides these offsets as well. As he did with the Shahnasarian LCP, Mr. Miller lists the projected payments by Medicare and VHA for the items in the Hairston LCP. The results of the modified Fryar LCPs appear in Tables E and F.

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

LCP category	Lower	Upper
Physician/Medical	\$4,057	\$4,148
Physician/Medical - ER Treatment	\$42,831	\$42,931
Drugs	\$35,460	\$35,460
Supply Needs	\$0	\$0
Rehabilitation – Evaluations	\$4,144	\$4,144
Rehabilitation - Health/Strength	\$0	\$0
Equipment and Wheelchair Needs	\$12,897	\$17,068
Daily Care – Nurse	\$24,068	\$48,136
Daily Care - ex Nurse	\$1,018,333	\$1,009,870
Other Medical Professionals	\$56,651	\$73,545
Transportation	\$0	\$0
Residential Modifications	\$0	\$0
Total	\$1,198,442	\$1,235,302

I created the category Other Medical Professionals to include therapists, counselors, nurses, and other services to which it is reasonable to apply the CPI component for “Services by other medical professionals.”

The results of the modified Hairston LCP appear in Table E, on the preceding page. It shows that Medicare is projected to cover between **\$1,198,442** and **\$1,235,302** of the cost of the Hairston LCP. Table F summarizes the payments that would be made by VHA.

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

LCP category	Lower	Upper
Physician/Medical	\$5,071	\$5,185
Physician/Medical - ER Treatment	\$53,539	\$53,664
Drugs	\$0	\$0
Supply Needs	\$14,883	\$14,883
Rehabilitation – Evaluations	\$5,180	\$5,180
Rehabilitation - Health/Strength	\$0	\$0
Equipment and Wheelchair Needs	\$16,280	\$21,493
Daily Care – Nurse	\$24,068	\$48,136
Daily Care - ex Nurse	\$6,810,761	\$6,891,509
Other Medical Professionals	\$70,811	\$91,927
Transportation	\$26,417	\$48,673
Residential Modifications	\$6,800	\$6,800
Total	\$7,033,811	\$7,187,450

VHA coverage is projected to pay between **\$7,033,811** and **\$7,187,450** for the services and treatments included in the Hairston LCP.

8. Conclusions

My findings in this report are as follows:

- (a) The value of lost earnings is **\$885,284**;
- (b) There is no basis for a claim of lost household services;
- (c) The present value of the Shahnasarian LCP is between **\$1,836,697** and **\$3,653,407**;
- (d) The present value of past and future disability offsets is **\$1,053,531**;
- (e) Past medical offsets total **\$116,213**;
- (f) The present value of future medical offsets is between **\$1,178,437** and **\$1,226,230** under Medicare coverage, and between **\$4,824,820** and **\$6,973,451** under VHA coverage; and
- (g) If the court adopts the plaintiff's LCP, the present value of future medical offsets is between **\$1,198,442** and **\$1,235,302** under Medicare coverage, and between **\$7,033,811** and **\$7,187,450** 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, filed November 2, 2023
- Life-care plan by Michael Shahnasarian, Ph.D., May 2025
- Rehabilitation Evaluation of Edgar Allen Peterson IV, by Michael Shahnasarian, Ph.D., May 2025
- Expert report by Henry Miller, May 2025
- Expert report by Chad L. Staller and Stephen M. Dripps, February 2025
- Life-care plan by Kay Hairston, February 2025
- Transcript of deposition of Edgar Peterson, February 2024
- Transcript of deposition of Lori Peterson, April 2024
- Veterans Benefits Administration, Rating Decision, August 27, 2015, 01576_Peterson_VBA_0000001687-1690.
- 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 Edgar Peterson
- Social Security Administration, Data on cost-of-living adjustments at www.ssa.gov/cola/
- 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

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Appendix A

Peterson's Lost Earnings

Year	Age on 1/1	Frac Year	Earnings	Benefits	Taxes	Net Loss
2004	55	1.00	\$82,549	\$4,045	\$14,502	\$72,092
2005	56	1.00	\$78,958	\$3,869	\$13,871	\$68,956
2006	57	1.00	\$87,296	\$4,278	\$15,336	\$76,238
2007	58	1.00	\$93,460	\$4,580	\$16,419	\$81,621
2008	59	1.00	\$97,805	\$4,792	\$17,182	\$85,415
2009	60	1.00	\$99,400	\$4,871	\$17,463	\$86,808
2010	61	1.00	\$98,406	\$4,822	\$17,288	\$85,940
2011	62	1.00	\$95,513	\$4,680	\$16,780	\$83,413
2012	63	1.00	\$93,392	\$4,576	\$16,407	\$81,561
2013	64	1.00	\$95,185	\$4,664	\$16,722	\$83,127
2014	65	0.89	\$103,200	\$5,057	\$18,130	\$80,113
						\$885,284

Peterson's VBA Offsets

Year	Age on 1/1	Annual	Present Value
2013	64	\$36,876	\$36,876
2014	65	\$40,499	\$40,499
2015	66	\$42,228	\$42,228
2016	67	\$42,228	\$42,228
2017	68	\$42,354	\$42,354
2018	69	\$43,201	\$43,201
2019	70	\$44,411	\$44,411
2020	71	\$45,122	\$45,122
2021	72	\$45,708	\$45,708
2022	73	\$48,405	\$48,405
2023	74	\$52,616	\$52,616
2024	75	\$54,300	\$54,300
2025	76	\$55,657	\$55,657
2026	77	\$57,084	\$54,704
2027	78	\$58,547	\$53,767
2028	79	\$60,047	\$52,847
2029	80	\$61,586	\$51,942
2030	81	\$63,165	\$51,052
2031	82	\$64,784	\$50,178
2032	83	\$66,444	\$49,318
2033	84	\$68,147	\$48,474
2034	85	\$69,894	\$47,644
	Total		\$1,053,531
	2013-24		\$537,948
	2025-34		\$515,583

Shahnasarian LCP

Lower Bound

Year	Age on 1/1	Aids Indep Living	Medications	Wheel-chair Needs	Supply Needs	Therapies, Other Med Pros	Home Care, Nurse	Personal Fitness	Procs / Hosp	Architect Renovs
2025	76	\$3,818	\$1,237	\$1,990	\$1,181	\$3,999	\$450	\$600	\$35,519	\$100,000
2026	77	\$0	\$1,452	\$647	\$1,370	\$4,666	\$525	\$709	\$0	\$0
2027	78	\$11	\$1,421	\$626	\$1,324	\$4,536	\$510	\$698	\$0	\$0
2028	79	\$224	\$1,391	\$605	\$1,279	\$4,410	\$496	\$687	\$0	\$0
2029	80	\$830	\$1,361	\$584	\$1,236	\$4,287	\$482	\$677	\$0	\$0
2030	81	\$76	\$1,332	\$1,101	\$1,195	\$4,168	\$469	\$666	\$34,694	\$0
2031	82	\$212	\$1,303	\$546	\$1,155	\$4,052	\$456	\$656	\$0	\$0
2032	83	\$0	\$1,275	\$527	\$1,116	\$3,940	\$443	\$646	\$0	\$0
2033	84	\$9	\$1,248	\$509	\$1,078	\$3,830	\$431	\$636	\$0	\$0
2034	85	\$872	\$1,221	\$492	\$1,042	\$3,724	\$419	\$626	\$0	\$0
		\$6,051	\$13,241	\$7,628	\$11,976	\$41,612	\$4,682	\$6,601	\$70,213	\$100,000

Year	Age on 1/1	Transport	Eval	Therapies, Physicians	Medications, OTC	Attendant Care	Annual
2025	76	\$60,495	\$495	\$795	\$24	\$132,020	\$342,625
2026	77	\$488	\$482	\$561	\$28	\$157,112	\$168,041
2027	78	\$476	\$469	\$546	\$27	\$155,810	\$166,455
2028	79	\$465	\$456	\$531	\$26	\$154,518	\$165,088
2029	80	\$453	\$444	\$517	\$26	\$153,238	\$164,135
2030	81	\$442	\$432	\$693	\$25	\$151,968	\$197,261
2031	82	\$432	\$420	\$489	\$24	\$150,709	\$160,452
2032	83	\$421	\$408	\$476	\$23	\$149,460	\$158,735
2033	84	\$411	\$397	\$463	\$22	\$148,221	\$157,257
2034	85	\$401	\$387	\$450	\$22	\$146,993	\$156,648
		\$64,484	\$4,389	\$5,522	\$248	\$1,500,049	\$1,836,697

Shahnasarian LCP

Upper Bound

Year	Age on 1/1	Aids Indep Living	Medications	Wheel-chair Needs	Supply Needs	Therapies, Other Med Pros	Home Care, Nurse	Personal Fitness	Procs / Hosp	Architect Renovs
2025	76	\$8,695	\$10,982	\$2,205	\$1,527	\$12,255	\$1,100	\$600	\$61,366	\$100,000
2026	77	\$0	\$12,896	\$785	\$1,771	\$14,297	\$1,283	\$709	\$0	\$0
2027	78	\$419	\$12,619	\$759	\$1,711	\$13,900	\$1,248	\$698	\$0	\$0
2028	79	\$96	\$12,348	\$733	\$1,654	\$13,513	\$1,213	\$687	\$0	\$0
2029	80	\$1,210	\$12,083	\$709	\$1,598	\$13,138	\$1,179	\$677	\$60,223	\$0
2030	81	\$0	\$11,824	\$1,335	\$1,544	\$12,772	\$1,146	\$666	\$0	\$0
2031	82	\$451	\$11,571	\$662	\$1,492	\$12,417	\$1,115	\$656	\$0	\$0
2032	83	\$4,068	\$11,322	\$1,700	\$1,442	\$12,072	\$1,084	\$646	\$0	\$0
2033	84	\$341	\$11,079	\$618	\$1,394	\$11,736	\$1,053	\$636	\$59,102	\$0
2034	85	\$768	\$10,842	\$597	\$1,347	\$11,410	\$1,024	\$626	\$0	\$0
		\$16,048	\$117,567	\$10,102	\$15,481	\$127,511	\$11,445	\$6,601	\$180,691	\$100,000

Year	Age on 1/1	Transport	Eval	Therapies, Physicians	Medications, OTC	Attendant Care	Annual
2025	76	\$70,695	\$676	\$2,495	\$26	\$255,804	\$528,427
2026	77	\$683	\$658	\$2,086	\$30	\$304,420	\$339,619
2027	78	\$667	\$640	\$2,029	\$29	\$301,898	\$336,616
2028	79	\$650	\$623	\$1,974	\$28	\$299,396	\$332,916
2029	80	\$635	\$606	\$2,235	\$27	\$296,915	\$391,234
2030	81	\$619	\$589	\$1,869	\$26	\$294,454	\$326,846
2031	82	\$604	\$573	\$1,818	\$26	\$292,014	\$323,399
2032	83	\$59,559	\$558	\$1,768	\$25	\$289,594	\$383,838
2033	84	\$575	\$543	\$2,002	\$24	\$287,194	\$376,298
2034	85	\$562	\$528	\$1,674	\$23	\$284,814	\$314,214
		\$135,249	\$5,993	\$19,951	\$264	\$2,906,503	\$3,653,407

Shahnasarian LCP, Modified by Miller / MEDICARE

Lower Bound

Year	Age on 1/1	Aids Indep Living	Medications	Wheel-chair Needs	Supply Needs	Therapies, Other Med Pros	Home Care, Nurse	Personal Fitness	Procs / Hosp	Architect Renovs
2025	76	\$3,756	\$3,312	\$5,614	\$0	\$1,775	\$2,313	\$0	\$22,595	\$0
2026	77	\$0	\$3,890	\$0	\$0	\$2,071	\$2,699	\$0	\$0	\$0
2027	78	\$39	\$3,806	\$0	\$0	\$2,014	\$2,624	\$0	\$0	\$0
2028	79	\$70	\$3,724	\$0	\$0	\$1,958	\$2,551	\$0	\$0	\$0
2029	80	\$395	\$3,645	\$0	\$0	\$1,903	\$2,480	\$0	\$0	\$0
2030	81	\$45	\$3,566	\$265	\$0	\$1,850	\$2,411	\$0	\$22,070	\$0
2031	82	\$98	\$3,490	\$0	\$0	\$1,799	\$2,344	\$0	\$0	\$0
2032	83	\$0	\$3,415	\$0	\$0	\$1,749	\$2,279	\$0	\$0	\$0
2033	84	\$32	\$3,342	\$0	\$0	\$1,700	\$2,215	\$0	\$0	\$0
2034	85	\$359	\$3,270	\$0	\$0	\$1,653	\$2,154	\$0	\$0	\$0
		\$4,795	\$35,460	\$5,880	\$0	\$18,471	\$24,068	\$0	\$44,666	\$0

Year	Age on 1/1	Transport	Eval	Therapies, Physicians	Medications, OTC	Attendant Care	Annual
2025	76	\$0	\$232	\$347	\$0	\$91,585	\$131,532
2026	77	\$0	\$226	\$247	\$0	\$108,992	\$118,124
2027	78	\$0	\$220	\$240	\$0	\$108,089	\$117,031
2028	79	\$0	\$214	\$233	\$0	\$107,193	\$115,943
2029	80	\$0	\$208	\$227	\$0	\$106,305	\$115,162
2030	81	\$0	\$203	\$302	\$0	\$105,424	\$136,137
2031	82	\$0	\$197	\$215	\$0	\$104,550	\$112,692
2032	83	\$0	\$192	\$209	\$0	\$103,684	\$111,527
2033	84	\$0	\$187	\$203	\$0	\$102,824	\$110,503
2034	85	\$0	\$181	\$198	\$0	\$101,972	\$109,787
		\$0	\$2,060	\$2,421	\$0	\$1,040,617	\$1,178,437

Shahnasarian LCP, Modified by Miller / MEDICARE

Upper Bound

Year	Age on 1/1	Aids Indep Living	Medications	Wheel-chair Needs	Supply Needs	Therapies, Other Med Pros	Home Care, Nurse	Personal Fitness	Procs / Hosp	Architect Renovs
2025	76	\$3,756	\$3,312	\$5,614	\$0	\$2,233	\$4,626	\$0	\$22,595	\$0
2026	77	\$0	\$3,890	\$0	\$0	\$2,605	\$5,397	\$0	\$0	\$0
2027	78	\$112	\$3,806	\$0	\$0	\$2,532	\$5,247	\$0	\$0	\$0
2028	79	\$49	\$3,724	\$0	\$0	\$2,462	\$5,101	\$0	\$0	\$0
2029	80	\$463	\$3,645	\$0	\$0	\$2,394	\$4,960	\$0	\$22,174	\$0
2030	81	\$0	\$3,566	\$265	\$0	\$2,327	\$4,822	\$0	\$0	\$0
2031	82	\$141	\$3,490	\$0	\$0	\$2,262	\$4,688	\$0	\$0	\$0
2032	83	\$1,155	\$3,415	\$4,170	\$0	\$2,199	\$4,557	\$0	\$0	\$0
2033	84	\$91	\$3,342	\$0	\$0	\$2,138	\$4,431	\$0	\$21,762	\$0
2034	85	\$341	\$3,270	\$0	\$0	\$2,079	\$4,307	\$0	\$0	\$0
		\$6,108	\$35,460	\$10,050	\$0	\$23,231	\$48,136	\$0	\$66,531	\$0

Year	Age on 1/1	Transport	Eval	Therapies, Physicians	Medications, OTC	Attendant Care	Annual
2025	76	\$0	\$232	\$347	\$0	\$90,841	\$133,558
2026	77	\$0	\$226	\$247	\$0	\$108,105	\$120,470
2027	78	\$0	\$220	\$240	\$0	\$107,210	\$119,367
2028	79	\$0	\$214	\$233	\$0	\$106,321	\$118,105
2029	80	\$0	\$208	\$311	\$0	\$105,440	\$139,594
2030	81	\$0	\$203	\$221	\$0	\$104,566	\$115,970
2031	82	\$0	\$197	\$215	\$0	\$103,700	\$114,693
2032	83	\$0	\$192	\$209	\$0	\$102,840	\$118,738
2033	84	\$0	\$187	\$278	\$0	\$101,988	\$134,216
2034	85	\$0	\$181	\$198	\$0	\$101,143	\$111,520
		\$0	\$2,060	\$2,498	\$0	\$1,032,154	\$1,226,230

Shahnasarian LCP, Modified by Miller / VHA

Lower Bound

Year	Age on 1/1	Aids Indep Living	Medications	Wheel-chair Needs	Supply Needs	Therapies, Other Med Pros	Home Care, Nurse	Personal Fitness	Procs / Hosp	Architect Renovs
2025	76	\$4,732	\$0	\$7,018	\$830	\$2,219	\$2,313	\$0	\$28,244	\$6,800
2026	77	\$0	\$0	\$0	\$963	\$2,589	\$2,699	\$0	\$0	\$0
2027	78	\$49	\$0	\$0	\$930	\$2,517	\$2,624	\$0	\$0	\$0
2028	79	\$120	\$0	\$0	\$899	\$2,447	\$2,551	\$0	\$0	\$0
2029	80	\$494	\$0	\$0	\$869	\$2,379	\$2,480	\$0	\$0	\$0
2030	81	\$57	\$0	\$331	\$840	\$2,313	\$2,411	\$0	\$27,588	\$0
2031	82	\$151	\$0	\$0	\$811	\$2,248	\$2,344	\$0	\$0	\$0
2032	83	\$0	\$0	\$0	\$784	\$2,186	\$2,279	\$0	\$0	\$0
2033	84	\$40	\$0	\$0	\$758	\$2,125	\$2,215	\$0	\$0	\$0
2034	85	\$475	\$0	\$0	\$732	\$2,066	\$2,154	\$0	\$0	\$0
		\$6,118	\$0	\$7,349	\$8,417	\$23,089	\$24,068	\$0	\$55,832	\$6,800

Year	Age on 1/1	Transport	Eval	Therapies, Physicians	Medications, OTC	Attendant Care	Annual
2025	76	\$26,417	\$291	\$434	\$0	\$410,229	\$489,527
2026	77	\$0	\$283	\$308	\$0	\$488,196	\$495,037
2027	78	\$0	\$275	\$300	\$0	\$484,150	\$490,845
2028	79	\$0	\$268	\$292	\$0	\$480,138	\$486,714
2029	80	\$0	\$260	\$284	\$0	\$476,159	\$482,924
2030	81	\$0	\$253	\$378	\$0	\$472,213	\$506,384
2031	82	\$0	\$246	\$269	\$0	\$468,300	\$474,370
2032	83	\$0	\$240	\$261	\$0	\$464,419	\$470,168
2033	84	\$0	\$233	\$254	\$0	\$460,570	\$466,196
2034	85	\$0	\$227	\$247	\$0	\$456,754	\$462,655
		\$26,417	\$2,575	\$3,026	\$0	\$4,661,128	\$4,824,820

Shahnasarian LCP, Modified by Miller / VHA

Upper Bound

Year	Age on 1/1	Aids Indep Living	Medications	Wheel-chair Needs	Supply Needs	Therapies, Other Med Pros	Home Care, Nurse	Personal Fitness	Procs / Hosp	Architect Renovs
2025	76	\$4,732	\$0	\$7,018	\$1,107	\$2,791	\$4,626	\$0	\$28,244	\$6,800
2026	77	\$0	\$0	\$0	\$1,284	\$3,256	\$5,397	\$0	\$0	\$0
2027	78	\$174	\$0	\$0	\$1,241	\$3,166	\$5,247	\$0	\$0	\$0
2028	79	\$61	\$0	\$0	\$1,199	\$3,078	\$5,101	\$0	\$0	\$0
2029	80	\$610	\$0	\$0	\$1,159	\$2,992	\$4,960	\$0	\$27,718	\$0
2030	81	\$0	\$0	\$331	\$1,120	\$2,909	\$4,822	\$0	\$0	\$0
2031	82	\$206	\$0	\$0	\$1,082	\$2,828	\$4,688	\$0	\$0	\$0
2032	83	\$1,443	\$0	\$5,213	\$1,045	\$2,749	\$4,557	\$0	\$0	\$0
2033	84	\$141	\$0	\$0	\$1,010	\$2,673	\$4,431	\$0	\$27,202	\$0
2034	85	\$427	\$0	\$0	\$976	\$2,599	\$4,307	\$0	\$0	\$0
		\$7,794	\$0	\$12,562	\$11,223	\$29,040	\$48,136	\$0	\$83,164	\$6,800

Year	Age on 1/1	Transport	Eval	Therapies, Physicians	Medications, OTC	Attendant Care	Annual
2025	76	\$26,417	\$291	\$434	\$0	\$591,464	\$673,924
2026	77	\$0	\$283	\$308	\$0	\$703,875	\$714,403
2027	78	\$0	\$275	\$300	\$0	\$698,042	\$708,444
2028	79	\$0	\$268	\$292	\$0	\$692,257	\$702,255
2029	80	\$0	\$260	\$388	\$0	\$686,521	\$724,607
2030	81	\$0	\$253	\$276	\$0	\$680,831	\$690,542
2031	82	\$0	\$246	\$269	\$0	\$675,189	\$684,508
2032	83	\$22,256	\$240	\$261	\$0	\$669,594	\$707,359
2033	84	\$0	\$233	\$348	\$0	\$664,045	\$700,083
2034	85	\$0	\$227	\$247	\$0	\$658,542	\$667,325
		\$48,673	\$2,575	\$3,123	\$0	\$6,720,361	\$6,973,451

Hairston LCP, Modified by Miller / MEDICARE

Lower Bound

Year	Age on 1/1	Equipment	Medications	Other Medical Pros	Supplies	Diagnostic Tests	Daily Care, Nurse	Hospital Svces	Home Mods	Transport
2025	76	\$8,185	\$3,312	\$5,484	\$0	\$0	\$2,313	\$0	\$0	\$0
2026	77	\$422	\$3,890	\$6,347	\$0	\$0	\$2,699	\$0	\$0	\$0
2027	78	\$486	\$3,806	\$6,171	\$0	\$0	\$2,624	\$0	\$0	\$0
2028	79	\$394	\$3,724	\$5,999	\$0	\$0	\$2,551	\$21,667	\$0	\$0
2029	80	\$812	\$3,645	\$5,832	\$0	\$0	\$2,480	\$0	\$0	\$0
2030	81	\$814	\$3,566	\$5,670	\$0	\$0	\$2,411	\$0	\$0	\$0
2031	82	\$424	\$3,490	\$5,513	\$0	\$0	\$2,344	\$0	\$0	\$0
2032	83	\$343	\$3,415	\$5,359	\$0	\$0	\$2,279	\$0	\$0	\$0
2033	84	\$396	\$3,342	\$5,210	\$0	\$0	\$2,215	\$21,164	\$0	\$0
2034	85	\$622	\$3,270	\$5,065	\$0	\$0	\$2,154	\$0	\$0	\$0
		\$12,897	\$35,460	\$56,651	\$0	\$0	\$24,068	\$42,831	\$0	\$0

Year	Age on 1/1	Rehab, Physicians	Phys / Medical	Health & Strength	Daily Care	Annual
2025	76	\$468	\$411	\$0	\$89,624	\$109,797
2026	77	\$455	\$309	\$0	\$106,658	\$120,779
2027	78	\$443	\$300	\$0	\$105,774	\$119,603
2028	79	\$431	\$863	\$0	\$104,897	\$140,527
2029	80	\$419	\$284	\$0	\$104,028	\$117,500
2030	81	\$407	\$358	\$0	\$103,166	\$116,393
2031	82	\$396	\$269	\$0	\$102,311	\$114,747
2032	83	\$386	\$262	\$0	\$101,463	\$113,507
2033	84	\$375	\$752	\$0	\$100,622	\$134,077
2034	85	\$365	\$248	\$0	\$99,789	\$111,513
		\$4,144	\$4,057	\$0	\$1,018,333	\$1,198,442

Hairston LCP, Modified by Miller / MEDICARE

Upper Bound

Year	Age on 1/1	Equipment	Medications	Other Medical Pros	Supplies	Diagnostic Tests	Daily Care, Nurse	Hospital Svces	Home Mods	Transport
2025	76	\$8,185	\$3,312	\$7,147	\$0	\$0	\$4,626	\$0	\$0	\$0
2026	77	\$422	\$3,890	\$8,237	\$0	\$0	\$5,397	\$0	\$0	\$0
2027	78	\$486	\$3,806	\$8,008	\$0	\$0	\$5,247	\$0	\$0	\$0
2028	79	\$394	\$3,724	\$7,785	\$0	\$0	\$5,101	\$21,667	\$0	\$0
2029	80	\$812	\$3,645	\$7,568	\$0	\$0	\$4,960	\$0	\$0	\$0
2030	81	\$814	\$3,566	\$7,358	\$0	\$0	\$4,822	\$0	\$0	\$0
2031	82	\$424	\$3,490	\$7,153	\$0	\$0	\$4,688	\$0	\$0	\$0
2032	83	\$4,514	\$3,415	\$6,954	\$0	\$0	\$4,557	\$21,264	\$0	\$0
2033	84	\$396	\$3,342	\$6,761	\$0	\$0	\$4,431	\$0	\$0	\$0
2034	85	\$622	\$3,270	\$6,573	\$0	\$0	\$4,307	\$0	\$0	\$0
		\$17,068	\$35,460	\$73,545	\$0	\$0	\$48,136	\$42,931	\$0	\$0

Year	Age on 1/1	Rehab, Physicians	Phys / Medical	Health & Strength	Daily Care	Annual
2025	76	\$468	\$411	\$0	\$89,624	\$109,797
2026	77	\$455	\$309	\$0	\$106,658	\$120,779
2027	78	\$443	\$300	\$0	\$105,774	\$119,603
2028	79	\$431	\$863	\$0	\$104,897	\$140,527
2029	80	\$419	\$284	\$0	\$104,028	\$117,500
2030	81	\$407	\$358	\$0	\$103,166	\$116,393
2031	82	\$396	\$269	\$0	\$102,311	\$114,747
2032	83	\$386	\$262	\$0	\$101,463	\$113,507
2033	84	\$375	\$752	\$0	\$100,622	\$134,077
2034	85	\$365	\$248	\$0	\$99,789	\$111,513
		\$4,144	\$4,057	\$0	\$1,018,333	\$1,198,442

Hairston LCP, Modified by Miller / VHA

Lower Bound

Year	Age on 1/1	Equipment	Medications	Other Medical Pros	Supplies	Diagnostic Tests	Daily Care, Nurse	Hospital Svces	Home Mods	Transport
2025	76	\$10,267	\$0	\$6,855	\$1,468	\$0	\$2,313	\$0	\$6,800	\$26,417
2026	77	\$527	\$0	\$7,934	\$1,703	\$0	\$2,699	\$0	\$0	\$0
2027	78	\$641	\$0	\$7,713	\$1,645	\$0	\$2,624	\$0	\$0	\$0
2028	79	\$492	\$0	\$7,499	\$1,590	\$0	\$2,551	\$27,084	\$0	\$0
2029	80	\$1,047	\$0	\$7,290	\$1,536	\$0	\$2,480	\$0	\$0	\$0
2030	81	\$1,018	\$0	\$7,087	\$1,485	\$0	\$2,411	\$0	\$0	\$0
2031	82	\$559	\$0	\$6,890	\$1,435	\$0	\$2,344	\$0	\$0	\$0
2032	83	\$429	\$0	\$6,699	\$1,386	\$0	\$2,279	\$0	\$0	\$0
2033	84	\$522	\$0	\$6,513	\$1,340	\$0	\$2,215	\$26,455	\$0	\$0
2034	85	\$778	\$0	\$6,331	\$1,295	\$0	\$2,154	\$0	\$0	\$0
		\$16,280	\$0	\$70,811	\$14,883	\$0	\$24,068	\$53,539	\$6,800	\$26,417

Year	Age on 1/1	Rehab, Physicians	Phys / Medical	Health & Strength	Daily Care	Annual
2025	76	\$585	\$514	\$0	\$599,420	\$654,639
2026	77	\$569	\$386	\$0	\$713,343	\$727,160
2027	78	\$553	\$375	\$0	\$707,432	\$720,984
2028	79	\$538	\$1,079	\$0	\$701,569	\$742,402
2029	80	\$524	\$355	\$0	\$695,755	\$708,987
2030	81	\$509	\$448	\$0	\$689,990	\$702,947
2031	82	\$496	\$336	\$0	\$684,272	\$696,332
2032	83	\$482	\$327	\$0	\$678,601	\$690,203
2033	84	\$469	\$940	\$0	\$672,978	\$711,432
2034	85	\$456	\$310	\$0	\$667,401	\$678,724
		\$5,180	\$5,071	\$0	\$6,810,761	\$7,033,811

Hairston LCP, Modified by Miller / VHA

Upper Bound

Year	Age on 1/1	Equipment	Medications	Other Medical Pros	Supplies	Diagnostic Tests	Daily Care, Nurse	Hospital Svces	Home Mods	Transport
2025	76	\$10,267	\$0	\$8,933	\$1,468	\$0	\$4,626	\$0	\$6,800	\$26,417
2026	77	\$527	\$0	\$10,295	\$1,703	\$0	\$5,397	\$0	\$0	\$0
2027	78	\$641	\$0	\$10,009	\$1,645	\$0	\$5,247	\$0	\$0	\$0
2028	79	\$492	\$0	\$9,731	\$1,590	\$0	\$5,101	\$27,084	\$0	\$0
2029	80	\$1,047	\$0	\$9,460	\$1,536	\$0	\$4,960	\$0	\$0	\$0
2030	81	\$1,018	\$0	\$9,197	\$1,485	\$0	\$4,822	\$0	\$0	\$0
2031	82	\$559	\$0	\$8,941	\$1,435	\$0	\$4,688	\$0	\$0	\$0
2032	83	\$5,642	\$0	\$8,693	\$1,386	\$0	\$4,557	\$26,580	\$0	\$22,256
2033	84	\$522	\$0	\$8,451	\$1,340	\$0	\$4,431	\$0	\$0	\$0
2034	85	\$778	\$0	\$8,216	\$1,295	\$0	\$4,307	\$0	\$0	\$0
		\$21,493	\$0	\$91,927	\$14,883	\$0	\$48,136	\$53,664	\$6,800	\$48,673

Year	Age on 1/1	Rehab, Physicians	Phys / Medical	Health & Strength	Daily Care	Annual
2025	76	\$585	\$514	\$0	\$606,527	\$666,137
2026	77	\$569	\$386	\$0	\$721,801	\$740,678
2027	78	\$553	\$375	\$0	\$715,819	\$734,291
2028	79	\$538	\$1,079	\$0	\$709,887	\$755,503
2029	80	\$524	\$460	\$0	\$704,004	\$721,991
2030	81	\$509	\$346	\$0	\$698,170	\$715,546
2031	82	\$496	\$336	\$0	\$692,384	\$708,839
2032	83	\$482	\$967	\$0	\$686,647	\$757,209
2033	84	\$469	\$412	\$0	\$680,956	\$696,581
2034	85	\$456	\$310	\$0	\$675,313	\$690,675
		\$5,180	\$5,185	\$0	\$6,891,509	\$7,187,450

Appendix B

ANDREW C. BROD

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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