Samuel Sarmiento, MD, MPH, MBA

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in linkedin.com/in/samuelsarmiento | d doximity.com/cv/samuelsarmiento



PROFILE

- Physician, entrepreneur, and advisor in the life sciences and HealthTech.
- Consulting and executive experience in the life sciences.
- Extensive health economics and clinical outcomes research experience.
- Proven writing experience both academically and in medical journalism.
- Skilled in public speaking and science communication.
- Ability to speak seven languages.
- MPH & MBA with experience in public health, design-thinking, market research, bioethics, and health economics.



EDUCATION & TRAINING

2017–2018 Postdoctoral Fellowship

Johns Hopkins University School of Medicine • Baltimore, MD

Postdoctoral fellowship in peripheral nerve surgery and clinical outcomes research, Department of Plastic Surgery. *Preceptors:* Gedge Rosson, MD; Lee Dellon, MD, PhD.

2015–2017 Masters of Public Health (MPH) and Business Administration (MBA)

Johns Hopkins University • Baltimore, MD

#1 public health school in the world. Focus: health economics and bioethics. GPA: 3.4.

2013–2014 Internship in General Surgery

Mayo Clinic • Rochester, MN

Provided direct patient care at the level of a PGY-1 resident and assisted in surgery and anatomy labs for students.

2003–2010 Medical Doctor (MD)

Universidad del Azuay • Cuenca, Ecuador

GPA: 3.8; Cumulative Grade Average: 46/50; class top ten percent.

2002–2003 High School Diploma

Steelton-Highspire High School • Harrisburg, PA

Cumulative GPA: 4.0; Cumulative Grade Average: 98.48.



2018-Present Founder & CEO

Juniper Life Sciences • San Diego, CA

I created Juniper with the mission to empower life sciences companies to create and deliver innovative products with efficiency and precision. We also help our clients to connect with their audiences by crafting compelling narratives that enable informed health choices and patient empowerment. juniper.life

2024-Present Medical Advisor

NanoRevive • Lewes, DE [Remote]

NanoRevive offers high-quality, third-party tested nanoliposomal supplements. As an advisor for NanoRevive, I leverage my medical expertise to ensure the accuracy and integrity of the company's medical strategy. nano-revive.com

2024-Present Medical Advisor

Instant Hydration • Austin, TX [Remote]

Instant Hydration is poised to become one of the leaders in electrolyte hydration. As an advisor, I leverage my medical background to ensure accuracy and integrity in the company's medical strategy. instanthydration.com/pages/science#experts

2024-Present Medical Advisor

Sleep Connection • Boca Raton, FL [Remote]

As an advisor for Sleep Connection, I work with other health care professionals to educate the public on sleep science and evidence-based solutions.

shopsleepconnection.com/MedicalAdvisoryBoard

2024-Present Expert Contributor

Drugwatch.com • Orlando, FL [Remote]

Drugwatch is a consumer advocacy organization. I work closely with medical and legal experts to provide the public with information about high-risk medical products and health issues. drugwatch.com/contributors

2024-Present Editorial Staff

BetterHelp • Mountain View, CA [Remote]

Part of the editorial team for BetterHelp, the global leader in online therapy services. I collaborate with a multidisciplinary group of experts to ensure the accuracy and completeness of medical information presented as part of the Mental Health Library initiative. betterhelp.com/advice/editorial_team

2024-Present Expert Contributor

Recovered • New York, NY [Remote]

Expert reviewer for Recovered, an organization that provides resources and support for individuals dealing with addiction and mental health issues. I collaborate with a multidisciplinary group of experts to ensure the accuracy and completeness of medical information. recovered.org/about-us/medical-review-process

2024–Present Physician Contributor

Opt Health • San Francisco, CA [Remote]

Opt Health is a telehealth platform with the mission to reconnect people with health, wellness, strength, and sexual vitality through the science of preventive medicine. I contribute to Opt Health's medical content strategy. getopt.com/medical-team

2023–Present Adjunct Faculty – Health Economics

American Vision University • Anaheim Hills, CA [Remote]

Contributor in health economics at AVU, a Southern California-based university that aims to provide a high-quality and accessible online learning environment.

avu.education/about-avu/faculty

2022-Present Advisor - Medical Strategy

Simedy • Beverly Hills, CA [Remote]

As an advisor, I leverage my clinical background and knowledge in health technology to guide the development and application of this AI-enabled solution. simedy.com

Jul-Sep 2022 Research Program Coordinator

Johns Hopkins School of Medicine - Centro SOL • Baltimore, MD

Assistance with the implementation of a family-centered, culturally tailored public health intervention to improve body mass index (BMI) and other measures of cardiovascular risk among Latino children in Baltimore, Maryland. jhcentrosol.org

Sep-Dec 2020 Research Analyst

Resilience Health • New York, NY [Remote]

Company that supported businesses during the COVID-19 pandemic. Along with expert advisors, I assisted with the analysis of clinical and epidemiological data to generate evidence-based recommendations for our clients. resiliencehealth.com

2019–2023 Angel Investor and Advisor

HeyDoc • Cuenca, Ecuador

HeyDoc was a health technology application that aimed to improve access to health care by connecting patients to doctors in their area. Home health services. heydoc.io

Mar–May 2017 **Teaching Assistant**

Johns Hopkins Bloomberg School of Public Health • Baltimore, MD

TA for the "Politics of Health Policy" course with Dr. Vicenç Navarro; spring session.

Jun-Oct 2016 Production Assistant

NBC News • 30 Rockefeller Plaza, New York, NY

Fellowship in medical journalism. Publications at samuelsarmiento.contently.com.

2015–2017 Research Fellow

Johns Hopkins University School of Medicine • Baltimore, MD

Various projects with the breast reconstruction team in the Department of Plastic Surgery, authoring 20 papers in peer-reviewed journals. *Mentor*: Gedge Rosson, MD.

2014–2015 Primary Care Physician

Private practice • Cuenca, Ecuador

Provided primary care in an urban setting.

July 2009 Research Assistant

University of Pittsburgh Medical Center • Pittsburgh, PA

Helped with dissections for the development of a new surgical technique for the endoscopic, endonasal approach to the petrous ICA. *Mentor:* Daniel Prevedello, MD.

Winter 2009 Research Fellow

Universidad del Azuay • Cuenca, Ecuador

Graduation thesis on "How to Set Up a Microsurgery Training Laboratory in a Developing Country." *Mentor:* Pablo Peña-Tapia, MD.

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HONORS & AWARDS

2022 British Medical Journal – Annual List of Reviewers

Public acknowledgement for serving as a reviewer on the journal since 2021: bmjopen.bmj.com/pages/thank-you-to-our-reviewers.

2018 Shenaq Award

Given to the best oral presentation at the Plastic Surgery Research Council 63rd Annual Meeting, in Birmingham, Alabama, in May 2018.

2017 Dr. Leroy E. Burney Award

Monetary award for the best essay on a public health issue critical to the world.

2017 Spirit of Student Assembly Award

Award at Johns Hopkins University for exemplary service to peers and the school as a member of the student assembly.

2016 Medical and Educational Perspectives (MEP), Campaign for Progress

Competition to raise public awareness of public health issues in Baltimore. We won and were awarded \$10,000 to implement a pediatric head injury prevention program.

2012 SENESCYT Scholarship

Competitive scholarship for postgraduate studies from the Government of Ecuador.

2003 President's Award for Educational Achievement, Steelton-Highspire HS

Presented to the top ten percent students in the graduating class.



LEADERSHIP & SERVICE

2017 T. Rowe Price/Johns Hopkins Biotechnology Equity Research Externship

Twelve-week selective externship. Built a financial model with a discounted cash flow valuation for a pre-profit biotechnology company.

2016–2017 Newcomer Student Support Team

Volunteer at the Commodore John Rodgers School in Baltimore working to help Spanish-speaking children adapt to the system and experience academic growth.

2016–2017 Student Assembly Member-at-Large

Served for one academic year at Johns Hopkins Bloomberg School of Public Health.

2016 Johns Hopkins Consulting Club (JHGCC) Biotech Case Competition

Participated in this biotech case competition to make recommendations for a product developed at Hopkins, "respEQ."

2015–2016 Student Assembly Vice-President for Honors & Awards

Served for one academic year at Johns Hopkins Bloomberg School of Public Health. Organized the largest annual fundraiser to help students attend conferences.

2006–2009 "Integral Medical Relief" Project

Participated in health campaigns with fellow medical students and attending physicians to provide healthcare to an underserved tropical community in Ecuador.

PUBLICATIONS

[PubMed: ncbi.nlm.nih.gov/pubmed/?term=samuel+sarmiento

Google Scholar Profile: scholar.google.com/citations?user=HgAAmWMAAAAJ&hl

ResearchGate: researchgate.net/profile/Samuel-Sarmiento; ORCID: 0000-0002-6362-9434]

- Sarmiento S, Wen C, Cheah MA, Lee SB, Rosson GD. Malpractice Litigation in Plastic Surgery: Can We Identify Patterns? Aesthet Surg J. 2020 May 16;40(6):NP394-NP401. doi: 10.1093/asj/sjz258.
- Sarmiento S, McColl M, Musavi L, Habibi M, et al. Male Breast Cancer: A Closer Look at Patient & Tumor Characteristics and Factors that Affect Survival Using the National Cancer Database. *Breast Cancer Res Treat.* 2020 Apr;180(2):471-479. doi: 10.1007/s10549-020-05556-y. Epub 2020 Feb 10.
- Sarmiento S, Bienert C, Siotos C, Foster D, Manahan MA, Rosson GD. Time to Final Breast Reconstruction: Effect on Quality of Life and Associated Factors. Submitted to Breast Cancer Res Treat, February 2022.
- Sarmiento S, Pierre J, Dellon AL, Frick K. Tibial Nerve Decompression for the Prevention of the Diabetic Foot: A Cost-Utility Analysis Using Markov Model Simulations. *BMJ Open* 2019;0:e024816. doi:10.1136/bmjopen-2018-024816.
- Sarmiento S, Cooney CM, Manahan, MA. Letter to the Editor: Revisiting the Abdominal Donor Site: Introducing a Novel Nomenclature for Autologous Breast Reconstruction. *Plast Reconstr Surg.* 2018 Dec. doi: 10.1097/PRS.0000000000005021.
- Sarmiento S, Pierre J, Dellon AL, Frick K. Tibial Nerve Decompression for the Prevention of the Diabetic Foot: A Cost-Utility Analysis Using Markov Model Simulations. Plast Reconstr Surg Glob Open. 2018 Apr; 6(4 Suppl): 13-14. [Abstract]
- Sarmiento S, Cheah MA, et al. Malpractice Litigation in Plastic Surgery: Can We Identify Patterns? Plast Reconstr Surg Glob Open. 2018 Apr; 6(4 Suppl): 89. [Abstract]
- Cheah MA, Sarmiento S, Lesko RP, et al. Association of preoperative opioid use and postoperative complications following breast reconstruction. *JPRAS* 83 (2023) 258– 265. doi: 10.1016/j.bjps.2023.05.007.
- Cheah MA, Sarmiento S, Bernatowicz E, Rosson GD, Cooney CM. Online Patient Resources for Breast Implant-Associated Anaplastic Large Cell Lymphoma: A Readability Analysis. Ann Plast Surg. 2020 Apr;84(4):346-350.
- Siotos C, Sarmiento S, Cooney CM, Manahan MA, Rosson GD. Cost-Effectiveness Analysis of Silicone vs Saline Implant-Based Breast Reconstruction Using the BREAST-Q. Plast Reconstr Surg. 2018 Nov 21. doi: 10.1097/PRS.0000000000005194.
- Bello RJ, Sarmiento S, Meyer ML, Rosson GD, Cooney DS, Lifchez SD, Cooney CM. Understanding Surgical Resident and Fellow Perspectives on their Needs for Operative Performance Feedback: A Qualitative Study. *J Surg Educ*. 2018 Apr 20. pii: S1931-7204(17)30840-1. doi: 10.1016/j.jsurg.2018.04.002.

SARMIENTO | 6 Updated: January 2025

- Musavi L, Sarmiento S, Sacks JM, Aliu O. Impact of Insurance, Hospital Type & Sociodemographic Factors on Breast Reconstruction Rates: A Look at National Trends. J Am Coll Surg. 2018 Oct; 227(4):S34-S35. doi: 10.1016/j.jamcollsurg.2018. 07.055.
- Stone JP, Sarmiento S, Bu J, Bhat D, Temple-Oberle C. Immediate Breast Reconstruction in Alberta: A Canadian Perspective. Plast Reconstr Surg Glob Open. 2018 Apr; 6(4 Suppl): 73-74. [Abstract]
- Stone JP, Sarmiento S, Bu J, Shack L, Huang L, Temple-Oberle C. Factors influencing wait times in a Large Canadian Population. Part I: Delayed Breast Reconstruction. Plast Reconstr Surg Glob Open. [Accepted for publication: May 2018.]
- Stone JP, Sarmiento S, Rosson GD, et al. Relative Drop in Hematocrit after Flap Autologous Breast Reconstruction Predicts Patient Complications. JPRAS. [Accepted for publication: March 2018.]
- Lesko RP, Cheah MA, Sarmiento S, Cooney CM, Cooney DS. Post-Operative Complications of Panniculectomy and Abdominoplasty: A Retrospective Review. *Ann Plast Surg.* 2020 Jan 15. doi: 10.1097/SAP.000000000002220.
- Stone JP, Siotos C, Sarmiento S, Rosson GD, et al. Implementing Our Microsurgical Breast Reconstruction Enhanced Recovery After Surgery (ERAS) Pathway: Obstacles in Consensus and Recommendations. *Plast Reconstr Surg Glob Open.* 2018;6:e1855. doi: 10.1097/GOX.000000000001855.
- Seu M, Cho B, Pigott R, Sarmiento S, Pedreira R, Bhat D, Sacks J. Trends and Perceptions of Electronic Health Record (EHR) Usage Among Plastic Surgeons. *Plast Reconstr Surg Glob Open*. 2020;8:e2709; doi: 10.1097/GOX.00000000000002709.
- Cheah MA, Bello RJ, Siotos C, Sarmiento S, Rosson GD, et al. Health-Related Quality
 of Life Throughout the Breast Reconstruction Process: A Prospective Study of 300
 Patients. [Submitted to PRS, March 2018.]
- Cheah MA, Sarmiento S, Rosson GD, et al. Preoperative Use of Opioids and Risk of Postoperative Complications After Breast Reconstruction. [Abstract presented at the Plastic Surgery Research Council Annual Meeting, May 2018, Birmingham, AL.]
- Bhat D, Kachniarz B, Seu M, Li X, Martin R, Sarmiento S, Cho B, Reddy S, Sacks J, Mao HQ. In-vitro Characterization of a Nanofiber-Hydrogel Composite for Improved Fat Graft Survival. [Abstract presented at the Plastic Surgery Research Council Annual Meeting, May 2018, Birmingham, AL.]
- Sood G, Aifesehi P, Cooney CM, Sarmiento S, Caffrey J. Reducing Hospital-Acquired Infections by Reducing Microbial Bioburden in the Burn Intensive Care Unit: A Quality-Improvement Study. [Grant application submitted to the Johns Hopkins Armstrong Institute Seed Grants Program, July 2017.]
- Bello RJ, Sarmiento S, Rosson GD, Lifchez S, Cooney CM. Understanding the Role for Operative Performance Rating Tools in Meeting Surgical Trainee Feedback Needs: A Qualitative Study. Plast Reconstr Surg Glob Open. 2016 Jun; 4(6): e780.

- Batdorf N, Lemaine V, Lovely J, Ballman K, Goede W, Martinez-Jorge J, Booth-Kowalczyk A, Grubbs P, Bungum L, Saint-Cyr M. Enhanced recovery after surgery in microvascular breast reconstruction. *JPRAS*. 2015;68(3):395–402. [Mentioned in acknowledgements.]
- Martinez-Jorge J, Batdorf N, Lovely J, Ballman K, Sarmiento S, Lemaine V. Enhanced Recovery Protocol After Microsurgical Breast Reconstruction: A Cohort Study. [Abstract presented at the Midwestern Association of Plastic Surgery Meeting, May 2014, Chicago, IL.]
- Sarmiento S, Pena-Tapia P. How to set up a microsurgery training laboratory in a developing country. Universidad del Azuay Institutional Repository. 2010.
- Sarmiento S, Munoz JM, et al. Relationship of pulmonary function to chronic domestic wood smoke inhalation in a town in the rural Andes. *Universidad del Azuay Institutional* Repository. 2004. [Spanish]



[Web of Science Profile: webofscience.com/wos/author/record/AAE-8364-2022]

- Alshannaq H, Pollock RF, Joubert M, et al. Cost-utility of real-time continuous glucose monitoring versus self-monitoring of blood glucose in people with insulin-treated type 2 diabetes in France. [Rejected]
- Hannula A, Miettinen L, Lampainen K, et al. Cost of surgical treatment for ulnar nerve entrapment in Finland, 2011-2015: a registry-based cost description study. *BMJ Open*. 2023;13(6):e068964. doi:10.1136/bmjopen-2022-068964.
- Zhao S, Cheng Y, Tong X, et al. Cost-effectiveness of recombinant tissue-type plasminogen activator for acute ischaemic stroke with unknown time of onset: a Markov modelling analysis from the Chinese and US perspectives. *BMJ Open* 2022;12:e065133. doi: 10.1136/bmjopen-2022-065133.
- García-Pérez L, Ramallo-Fariña Y, Vallejo-Torres L; INDICA team. Cost-effectiveness of multicomponent interventions in type 2 diabetes mellitus in a cluster randomised controlled trial: the INDICA study. *BMJ Open.* 2022 Apr 8;12(4):e058049. doi: 10.1136/bmjopen-2021-058049.
- Rasenberg N, van Middelkoop M, Bierma-Zeinstra SMA, et al. Cost-effectiveness of custom-made insoles versus usual care in patients with plantar heel pain in primary care: cost-effectiveness analysis of a randomised controlled trial. BMJ Open 2021;11:e051866. doi:10.1136/bmjopen-2021-051866.

Воокѕ



- Sarmiento S, McColl M, Habibi M. The Management of Male Breast Cancer. In: Cameron JL, Cameron AM, eds. Current Surgical Therapy. 13th ed. Philadelphia, PA: Elsevier Health Sciences; 2019.
- Sarmiento S, Rivadeneira A. Soluciones para el Dolor. 1st Spanish ed; 2020. Translation of: Dellon AL. Pain Solutions. 3rd ed. La Vergne, TN: Lightning Source; 2013.

PUBLICATIONS IN MEDICAL JOURNALISM

Jun-Oct 2016 NBC News Health & Medical Unit

A total of 16 publications as a medical fellow for NBC News. Full list available at samuelsarmiento.contently.com.



ORAL PRESENTATIONS

September 15, Latino & Proud: Overcoming Challenges and Adversities

2022 Moderator at this Hispanic Heritage Day event at Johns Hopkins Medicine – Centro SOL, Baltimore, MD.

June 1, 2018 Cost-Effectiveness Analysis of Silicone vs Saline Implant-Based Breast Reconstruction

10th Annual Johns Hopkins Plastic Surgery Research Symposium, Baltimore, MD.

May 19, 2018 Malpractice Litigation in Plastic Surgery: Can We Identify Patterns?

Plastic Surgery Research Council 63rd Annual Meeting, Birmingham, AL.

April 9, 2018 Tibial Nerve Decompression for the Prevention of the Diabetic Foot: A Cost-Utility Analysis Using Markov Model Simulations

American Association of Plastic Surgeons 97th Annual Meeting, Seattle, WA.

June 9, 2017 Breast Reconstruction Implant Type Impacts Patient Satisfaction Reported by BreastQ

9th Annual Johns Hopkins Plastic Surgery Research Symposium, Baltimore, MD.

June 9, 2016 Understanding the Role for Operative Performance Rating Tools in Meeting Surgical Trainee Feedback Needs: A Qualitative Study

8th Annual Johns Hopkins Plastic Surgery Research Symposium, Baltimore, MD.



PROFESSIONAL AFFILIATIONS

2022–Present Heterodox Academy

2017-Present Johns Hopkins Alumni Association 2014-Present Mayo Clinic Alumni Association

2013-Present American Medical Association, ME #31911100021

2009-2011 International Physicians for the Prevention of Nuclear War (IPPNW)

CERTIFICATIONS & LICENSING

10/0017	T . 114
10/2017	Test d'Évaluation de Français adapté au Canada (TEF Canada)
	Reading: 261, C1; Listening: 316, C1; Writing: 378, C1; Speaking: 339, B2.
09/2017	International English Language Testing System (IELTS), General Training
	Total score: 8.5/9 (Reading: 8.0, Listening: 8.5, Speaking: 9.0, Writing: 8.0).
05/2017	Certificate in Bioethics and Public Health Policy
	Johns Hopkins Berman Institute of Bioethics.
12/2014	Graduate Record Examination (GRE)
	Verbal: 161; Quantitative: 146; Analytical Writing: 4.5.
11/2014	Test of English as a Foreign Language (TOEFL), iBT
	Total score: 118/120 (Reading: 30, Listening: 29, Speaking: 29, Writing: 30).
10/2014	WES Credential Evaluation and Authentication Report
	U.S. equivalency summary: Doctor of Medicine. Ref #2646827.
05/2014	Advanced Trauma Life Support (ATLS)
	Certified until May 2018.
06/2013	Basic Life Support (BLS) & Advanced CV Life Support (ACLS)
	Certified until June 2015.
06/2013	Minnesota State Medical License
	License #25332; limited; expired in June 2014. NPI: 1740622901.
02/2013	Australian Medical Council MCQ Exam
	Total score: 267.
01/2013	Medical Council of Canada Evaluating Examination (MCCEE)
	Total score: 341; 99 th percentile.
10/2012	Examen de Admisión a Estudios de Postgrado (EXADEP)
	Total score: 699.
11/2011	ECFMG Certificate
	Certificate #0-877-801-1; EICS Number: E107916-9.
07/2011	USMLE Step 1
	Three-digit score: 230; two-digit score: 99.

SARMIENTO | 10 UPDATED: JANUARY 2025

12/2010	Diplôme d'études en langue française (DELF) A1
	Total score: 98.5/100.
02/2009	Cardiovascular Congress, Miami, FL
	16 AMA PRA Category 1 Credits.
11/2008	59 th Congress of Surgery, Punta del Este, Uruguay
	32 hours of educational activities which count locally as CME credits.
10/2003	Test of English as a Foreign Language (TOEFL), paper-based
	Total score: 643 (98 th percentile).

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SKILLS & PERSONAL

- **Skills:** Leadership, entrepreneurship, consulting, health care, health economics, clinical outcomes research, data analysis, science communication, public speaking, public health, bioethics, biostatistics, design-thinking, market research, business strategy, foreign languages.
- Software: Stata, TreeAge, Mendeley, RefWorks, REDCap, Adobe Photoshop, Google Workspace, Microsoft Word, Excel, PowerPoint, OneNote, and Outlook.
- Languages: Fluent in English, Spanish, French, Portuguese and Italian. Intermediate level of German and Dutch.
- Others: Hobbies and interests include playing guitar, learning languages, nonfiction literature, politics, traveling, fitness coaching, mixed martial arts, weightlifting, swimming, running, and mountain climbing.