Adrienne Pichon, PhD, MPH

Biomedical Informatics
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Education and Training

2025– **Postdoctoral research scientist.** Department of Biomedical Informatics. Columbia University. New York, NY. Lab: Lena Mamykina

2019–25 **PhD.** Department of Biomedical Informatics. Columbia University. New York, NY. Lab: Noémie Elhadad
Thesis: "Supporting the Work of Patients and Providers in Complex Chronic Illness"
Thesis Committee: Noémie Elhadad (Sponsor, Columbia), Suzanne Bakken (Columbia), Lena Mamykina (Columbia), Wanda Pratt (University of Washington), Azra Ismail (Emory)

2013–15 **MPH.** Mailman School of Public Health, Department of Sociomedical Sciences (SMS). Columbia University. New York, NY. Certificate: Sexuality, Sexual, & Reproductive Health (SSRH).
Thesis: "Sexuality Formation and Sexual Practices in Vietnam: A Nationally Representative Study."
Advisor: Theo Sandfort

2009–13 **BSEd.** University of Miami. Coral Gables, FL. Major: Exercise Physiology. Minors: Chemistry, International Studies

2011 **Study abroad.** Semester at Sea, Institute for Shipboard Education (ISE). University of Virginia (UVA). Charlottesville, VA. Focus: Public Health

Publications

Peer-Reviewed Articles

1. **A Pichon**, J Blumberg, L Mamykina, and N Elhadad. The voice of endo: Leveraging speech for an intelligent system that can forecast illness flare-ups. *ACM CHI Conference on Human Factors in Computing Systems*, 2025

2. **A Pichon**, I Urteaga, L Mamykina, and N Elhadad. Informing the design of individualized self-management regimens from the human, data, and machine learning perspectives. *ACM Transactions on Computer-Human Interaction (TOCHI)*, 2025

3. OJ IV Bear Don't Walk, **A Pichon**, H Reyes Nieva, T Sun, J Altosaar, J Joseph, S Kinberg, LR Richter, S Crusco, K Kulas, SA Ahmed, D Snyder, A Rahbari, BL Ranard, P Juneja, D Demner-Fushman, and N Elhadad. C-react, two sets of gold-standard annotations for race and ethnicity in clinical notes from MIMIC-III. *Scientific Data*, 2024

4. OJ IV Bear Don't Walk, **A Pichon**, H Reyes Nieva, T Sun, J Altosaar, K Natarajan, A Perotte, P Tarczy-Hornoch, D Demner-Fushman, and N Elhadad. Auditing learned associations in deep learning approaches to extract race and ethnicity from clinical text. *AMIA Annual Symposium*, 2023

5. R Hussein, **A Pichon**, J Oldenburg, M Sareban, and J Niebauer. Can patient contributed data (PCD) leverage connected health technology for cardiac rehabilitation in Austria? *Medical Informatics Europe*, 2023

6. R Hussein, AC Griffin, **A Pichon**, and J Oldenburg. A guiding framework for creating a comprehensive strategy for mhealth data sharing, privacy, and governance in low- and middle-income countries (LMICs). *Journal of the American Medical Informatics Association (JAMIA)*, 2022

7. **A Pichon**, K Jackman, I Winkler, C Bobel, and N Elhadad. The messiness of the menstruator and their needs: Characterizing the personas and functionalities of menstrual trackers. *Journal of the American Medical Informatics Association (JAMIA), Special Issue Informatics for Sex- and Gender-Related Health*, 2021

8. **A Pichon***, B Idnay*, K Marder, R Schnall, and C Weng. Cognitive function characterization using electronic health records notes. *AMIA Annual Symposium*, 2021

9. M Beauchemin, C Weng, L Sung, **A Pichon**, M Abbott, DL Hershman, and R Schnall. Data quality of chemotherapy-induced nausea and vomiting documentation. *Applied Clinical Informatics*, 12(2):320–328, 2021

10. **A Pichon**, K Schiffer, E Horan, B Massey, S Bakken, L Mamykina, and N Elhadad. Divided we stand: The collaborative work of patients and providers in an enigmatic chronic disease. *ACM SIGCHI Conference on Computer-Supported Cooperative Work & Social Computing (CSCW)*, 4(CSCW3):Article 261, 2021

11. I Ensari, **A Pichon**, S Lipsky-Gorman, S Bakken, and N Elhadad. Augmenting the clinical data sources for enigmatic diseases: A cross-sectional study of self-tracking data and clinical documentation in endometriosis. *Applied Clinical Informatics*, 11(5):769–784, 2020

12. H Cho, D Powell, **A Pichon**, L Kuhns, R Garofalo, and R Schnall. Eye-tracking retrospective think-aloud as a novel approach for a usability evaluation. *International Journal of Medical Informatics*, 129:366–373, 2019

13. H Cho, D Powell, **A Pichon**, J Thai, J Bruce, L Kuhns, R Garofalo, and R Schnall. A mobile health intervention for HIV prevention among racially and ethnically diverse young men: Usability evaluation. *JMIR mHealth and uHealth*, 6(9):e11450, 2018

14. S Stonbraker, H Cho, G Hermosi, **A Pichon**, and R Schnall. Usability testing of a mhealth app to support self-management of HIV-associated non-AIDS related symptoms. *International Conference on Nursing Informatics*, pages 106–110, 2018

15. R Schnall, H Cho, A Mangone, **A Pichon**, and H Jia. Mobile health technology for improving symptom management in low-income persons living with HIV. *AIDS and Behavior*, 22(10):3373–3383, 2018

Peer-Reviewed Conference Abstracts

1. **A Pichon** and N Elhadad. Learning interpretable, temporal health status phenotypes from self-tracked patient data. *AMIA Annual Symposium*, 2024

2. A Kashyap, C Allsman, E Campbell, P Desai, S Volpe, B Massey, S Bakken, OJ IV Bear Don't Walk, and **A Pichon**. A broad perspective on justice-oriented research in biomedical informatics. *AMIA Annual Symposium*, 2024

3. **A Pichon**, S Volpe, A Kashyap, P Desai, T Anand, E Campbell, K Schiffer-Kane, C Diamond, B Massey, C Allsman, A Newbury, L Richter, T Bright, S Bakken, and OJ IV Bear Don't Walk. Synthesizing gaps and priorities for a justice informatics research agenda. *AMIA Annual Symposium*, 2023

4. **A Pichon**, J Blumberg, and N Elhadad. Defining, characterizing, and predicting endometriosis flare-ups through machine learning with patient-generated data. *15th World Congress on Endometriosis*, 2023

5. **A Pichon**, I Urteaga, L Mamykina, and N Elhadad. Informing the design of individualized self-management regimens from the human, data, and algorithmic perspectives. *AMIA Annual Symposium*, 2022

6. **A Pichon**, M Houterloot, K Schiffer, E Horan, and N Elhadad. Get on the same page: Negotiating and aligning knowledge and expectations between patients and providers through self-tracking artifacts. *AMIA Annual Symposium*, 2019

Peer-Reviewed Poster Presentations

1. J Blumberg, **A Pichon**, and N Elhadad. Defining, characterizing, and predicting endometriosis flare-ups through machine learning with patient-generated data. *AMIA Annual Symposium*, 2023

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* Contributed equally, co-first authors

2. R Schnall, **A Pichon**, and T Scherr. In-depth interviews to understand the feasibility of using the mlab app for promotion of HIV-self testing in young men. *APHA Annual Meeting*, 2018

3. H Cho, D Powell, **A Pichon**, J Bruce, L Kuhns, and R Schnall. Usability evaluation of a mobile intervention (MyPEEPS mobile) for HIV prevention among young men. *AMIA Annual Symposium*, 2018

4. R Schnall, **A Pichon**, and T Scherr. Mixed methods feasibility study of the use of the mLab app for promoting the uptake of HIV testing. *AMIA Annual Symposium*, 2018

5. R Schnall, **A Pichon**, and T Scherr. Feasibility of using mobile phone imaging to interpret HIV rapid self-testing results among young high-risk men. *Public Health Informatics Conference*, 2018

6. R Schnall, H Cho, **A Pichon**, and H Jia. Mobile health technology for improving symptom management in low-income persons living with HIV. *AMIA Clinical Informatics Conference*, 2018

7. R Schnall, H Cho, A Mangone, **A Pichon**, and H Jia. Mobile health technology for improving symptom management in low-income persons living with HIV. *Academy Health Conference on the Science of Dissemination and Implementation in Health*, 2017

Workshop Organization

1. N Elhadad, J Regensteiner, **A Pichon**#, H Reyes Nieva#, and P Desai#. AI and menopause. *NSF-NIH*, 2024

2. OJ IV Bear Don't Walk, **A Pichon**, S Volpe, L Grossman Liu, P Desai, T Anand, L Richter, K Schiffer, C Diamond, B Massey, and S Bakken. A workshop to build a research agenda for justice informatics. *AMIA Annual Symposium*, 2022

Reports, Guidelines, and Whitepapers

1. C Kronk, OJ IV Bear Don't Walk, [...], and **A Pichon** et al. Inclusive language and context style guidelines. *American Medical Informatics Association*, 2023

2. Patient Empowerment Workgroup: M Moen, J Oldenburg, and **A Pichon** et al. HL7 informative document: Patient contributed data, edition 1. 2023

3. P Messeri and **A Ball (Pichon)**. Medication adherence support services. *New York Health and Human Services Planning Council*, (CHAIN Report #2016-1), 2018

4. P Messeri, T Zabel, and **A Ball (Pichon)**. Predictors of long-term survival for persons living with HIV: A literature review and empirical study of the New York City CHAIN cohort. *New York Health and Human Services Planning Council*, (CHAIN Report #2016-2), 2018

5. P Messeri, **A Ball (Pichon)**, and N Sharma. Prevalence of non-HIV comorbid health conditions in the CHAIN cohort. *New York Health and Human Services Planning Council*, (CHAIN Report #2013-6), 2016

6. P Messeri and **A Ball (Pichon)**. Hepatitis C lifetime prevalence and treatment. *New York Health and Human Services Planning Council*, (CHAIN Briefing #2015-3), 2016

7. P Messeri and **A Ball (Pichon)**. Place of residence and location of services. *New York Health and Human Services Planning Council*, (CHAIN Briefing #2015-1), 2015

8. S Frazer, E Howe, C Lelutiu-Weinberger, and **A Ball (Pichon)**. Feasibility study for LGBT SAINT: Serving lesbian, gay, bisexual, and transgender adolescents in need of treatment. *Strength in Numbers Consulting Group*, 2015

Co-organizers and facilitators

Manuscripts In Preparation and Under Review

1. OJ IV Bear Don't Walk, S Haldar, [...], and **A Pichon** et al. AMIA's inclusive language and context style guidelines: Developing and sustaining inclusive language in biomedical informatics. *Submitted to JAMIA*, 2025

2. The Justice Informatics Collaborative. Defining key principles to promote justice in informatics: Amia community member workshop discussions. *Case report submitted to JAMIA*, 2025

3. The Justice Informatics Collaborative. A broad perspective on justice-oriented research in biomedical informatics. *Perspective paper currently in-preparation*, 2025

Invited Talks and Lectures

1. L Warsame, K Wiley, K Cato, T Hernandez-Boussard, and **A Pichon**. Inclusive informatics: Reducing bias in our AI systems. *AMIA For Your Informatics Podcast*, 2022. Live Event at AMIA Annual Symposium

2. **A Pichon**. Biomedical informatics approaches to facilitate endometriosis research and care. *Talk presented at: Columbia University Mailman School of Public Health Period Posse Presents: Webinar Series, Menstrual Disorders: A Focus on Endometriosis*, 2021. Virtual webinar via Zoom

3. **A Pichon**. FemTech to advance menstrual health. *Lecture presented at Columbia University: Menstruation, Gender and Rights: Interdisciplinary Approaches Course*, 2021. Virtual class via Zoom

4. **A Pichon**. Citizen Endo: Supporting patients and providers in hacking endo together through data-powered tools. *Talk presented at: Endometriosis Foundation of America Annual Medical Conference and Patient Day*, 2020. Cancelled due to COVID-19

5. **A Pichon**. Categorizing the complex: Context matters with sex and gender in research. *Talk presented at: City-As-School Annual Showcase*, 2019, 2020

Other Presentations

1. **A Pichon**, L Mamykina, and N Elhadad. Challenges in developing temporal health status representations with self-tracked data. *Poster Presentation at: CHI '25 Workshop on Envisioning the Future of Interactive Health*, 2025

2. **A Pichon**. Acknowledging menstrual challenges, approaching menstruation through femtech. *Flash talk presented at: Multifaceted Menstruation - an Interdisciplinary Workshop at Columbia University (Menstrual Health and Gender Justice Working Group and Center for Social Difference)*, 2019

3. B Massey, **A Pichon**, and N Elhadad. Characterizing, comparing, and contrasting patients' and providers' approaches to endometriosis management. *Presentation at: Annual Biomedical Research Conference for Minority Students (ABRCMS)*, 2019

4. B Massey, **A Pichon**, and N Elhadad. Characterizing, comparing, and contrasting patients' and providers' approaches to endometriosis management. *Poster Presentation at: NCAT Undergraduate Research and Creative Inquiry Symposia*, 2019

5. I Ensari, MM McKillop, **A Pichon**, S Lipsky-Gorman, SB Bakken, and N Elhadad. Augmenting the learning health system with citizen science to tackle health inequalities. *Poster Presentation at: Annual Data Science Day at Columbia University*, 2019

Other Writing and Media

1. N Elhadad. One in 10 who menstruate suffer from endometriosis. Why do we know so little about it? *Scientific American*, 2022

2. N Elhadad. How endometriosis disrupts women's lives: "Please just let me make it through today". *CBS This Morning News*, 2019

3. N Elhadad. How endometriosis disrupts women's lives: "Please just let me make it through today". *BBC Digital Planet*, 2019

4. **A Pichon**. Working Group gives plenary panel at 2019 Society for Menstrual Cycle Research Conference. *Menstrual Health & Gender Justice Blog*, 2019

5. **A Pichon**. Menstrual spotlight: Meet faculty fellow Nancy Reame! *Menstrual Health & Gender Justice Blog*, 2019

Service — Peer Reviewer

- BMJ Public Health: 2025

- ACM Conference on Human Factors in Computing Systems (CHI): 2024, 2021

- ACM Computer-Supported Cooperative Work & Social Computing (CSCW): 2024, 2021

- ACM Conference on Healthcare, Inference, and Learning (CHIL): 2024, 2023

- Journal of the American Medical Informatics Association (JAMIA): 2024, 2021

- Journal of Medical Internet Research (JMIR): mHealth and uHealth, Research Protocols, Public Health and Surveillance: 2023, 2020, 2019, 2018

- Sexual and Reproductive Health Matters: 2023

- Journal of Biomedical Informatics (JBI): 2023

- Applied Clinical Informatics (ACI): 2022, 2021, 2020

- American Medical Informatics Association (AMIA) Annual Symposium: 2021, 2020, 2019, 2018

- American Medical Informatics Association (AMIA) Clinical Informatics Conference (CIC): 2021, 2020, 2019

- Special Issue of JAMIA: Informatics for Sex- and Gender-Related Health: Understanding the problems, developing new methods, and designing new solutions: 2021

- Special Issue of ACM Transactions on Computer-Human Interaction (TOCHI): HCI and the Body: Reimagining Women's Health: 2019

Professional Engagement and Leadership

2020– **Justice Informatics Collaborative.** Co-founder and leader. *The group engages trainees and the broader community of informaticians to advance justice-oriented science. Group activities include hosting a journal club and authoring manuscripts; department activities include facilitating discussions around seminars; informatics community activities include organizing a workshop at the AMIA Annual Symposium and synthesizing insights to present at AMIA meetings.*

2020– **Patient Empowerment Working Group, HL7.** Active contributor. *The group aims to identify and advance practices in data standardization that can empower patients to advocate for their personal needs by accessing, updating, and exchanging their personal health information.*

2018–21 **Menstrual Health & Gender Justice Working Group.** Research fellow.

2013–15 **Sexual and Reproductive Health Action Group (SHAG).** Student member.

2013–15 **Queer Health Task Force (QHTF).** Student member.

Teaching Experience

Mentorship

2020–25 **Jess Blumberg (high school student).** Student Internship. *Directly supervised and mentored student for long-term research projects, including study design, conducting mixed-methods research study visits, analysis, writing, and publication processes.*

2019 **Bria Massey (undergraduate student).** Summer Fellowship. *Provided support, direction, and supervision. Student is currently in a PhD program.*

2019 **Amelia Andreano, Alana Davis, Sarah Hatchett, Abigail Hyun, Isabel Kingston (high school students).** The Chapin School, Senior Internship. *Provided supervision, direction, and feedback.*

2018-19 **Kayla Schiffer (undergraduate student).** Thesis Student. *Provided guidance for conducting interviews, qualitative analysis, and writing. Student is currently in a PhD program.*

2018-19 **Megan Houterloot (masters student).** Thesis Student. *Provided guidance for creating customized visualizations for patients and providers.*

2017-18 **Sabrina Baugmarter, Danielle Bagley, Ryan Gentil, Melissa Gradilla, Alvin Gordian-Arroyo, Saray Gonzalez, Alexandra Medline, Tiffany Porras, Dakota Powell, Hestia Rojas, Maureen Saylor, Allison Spinelli (masters students).** Research Assistants. *Provided training and direction for daily research tasks and guidance for long-term projects.*

2017 **Vicky Soogrim (undergraduate student).** North East Regional Alliance (NERA) MedPrep HCOP Academy. *Provided supervision, direction, and feedback.*

2015-16 **Sarah Lunden (masters student).** Research Assistant. *Provided support in survey design and implementation, data management, quality assurance procedures, and writing.*

2014 **Taylor Zabel (undergraduate student).** Summer Public Health Scholars Program. *Provided support in literature review, research study design, data analysis, and writing. Student successfully completed medical school.*

Courses

2022 **Research Methods — BINF G6002.** Teaching Assistant.

2021 **Intelligent Decision Support (Special Topic) — BINF 4008.** Teaching Assistant.

Professional Research Experience

2018–19 **Research Coordinator.** Columbia University, Elhadad Lab. *Projects included: Citizen Endo and Even.*

2018 **Project Manager.** Columbia University, Schnall Lab. *Projects included: MyPEEPS, mLab, VIP-HANA, VIP-HANA Gender Supplement, mVIP, and WiseApp.*

2017–18 **Research Coordinator.** Columbia University, Schnall Lab. *Projects included: MyPEEPS, mLab, VIP-HANA, VIP-HANA Gender Supplement, mVIP, and WiseApp.*

2015–17 **Junior Programmer.** Columbia University, Messeri Lab. *Projects included: CHAIN Project and Evidence-Based Policy of Obesity and Childhood Vaccinations.*

2014–15 **Research Assistant.** Columbia University, Messeri Lab. *Projects included: CHAIN Project and Evidence-Based Policy of Obesity and Childhood Vaccinations.*

2014–17 **Research and Program Development Assistant.** Strength in Numbers Consulting Group. *Projects included: Serving Adolescents in Need of Treatment (SAINT) Feasibility Study and New York State LGBT+ Health and Human Services Needs and Resources Assessment.*

2012   **Research Assistant.** Tema General Hospital (Ghana). *Project: Exploratory Research on Contraceptive Knowledge and Unsafe Abortion.*