

Raymond Francis R. Sarmiento, M.D.

Contact Information

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Education

2016	Clinical Observership (Cardiology) Methodist Hospital Indiana University Health, Inc., Indianapolis, IN Clinical supervisor: Francis Balucan, MD, MBA
2014-2016	Public Health Informatics Fellowship National Institute for Occupational Safety and Health U.S. Centers for Disease Control and Prevention, Cincinnati, OH Fellowship supervisors: Susan Nowlin; Marie Haring Sweeney, PhD, MPH
2012-2014	Clinical Informatics Postdoctoral Research Fellowship National Library of Medicine, U.S. National Institutes of Health, Bethesda, MD Postdoctoral advisers: Paul Fontelo, MD, MPH; Clement J. McDonald, MD
2011	Biomedical Informatics MBL/NLM Fellowship Marine Biological Laboratory, Woods Hole, MA Sponsored by the National Library of Medicine, U.S. National Institutes of Health Certificate, Spring Course Course advisers: Patricia Abbott, RN, PhD; Charles Friedman, PhD
2007-2008	Interdepartmental Clinical Internship Philippine General Hospital, Manila, Philippines
2003-2008	Doctor of Medicine University of the Philippines Manila, Manila, Philippines
1999-2003	Bachelor of Science in Psychology, cum laude University of the Philippines Diliman, Quezon City, Philippines

Honors and Awards

2019	Outstanding Young Scientist (Public Health Informatics) National Academy for Science and Technology, Philippines
2019-2021	One University of the Philippines (U.P.) Faculty Grant Award (Medical Informatics) for Outstanding Research and Public Service in UP Manila University of the Philippines System
2016-2017	Short-Term Expert, Balik (Returning) Scientist Program Philippine Council for Health Research and Development Department of Science and Technology
2016	Nominee, Excellence in Program or Policy Evaluation 64th Annual CDC & ATSDR Honor Awards Ebola Outbreak Response Evaluation Team
2015	Awardee, Excellence in Program or Policy Evaluation Office of Public Health Preparedness and Response Honor Award U.S. Centers for Disease Control and Prevention Ebola Outbreak Response Evaluation Team
2012-2014	Oak Ridge Institute for Science and Education Research Participation Program Fellowship
2013	Finalist, Code-a-Palooza Health Datapalooza IV Washington, DC. June 3-5, 2013 *Team member of one of only 10 team finalists in a 44-hour code-a-thon competition to build an application, tool, or product that could be directly used by primary care providers to improve the quality of care delivered to patients

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2013	Recipient, Dartmouth Conferences fund and U.S. National Science Foundation travel grant 3 rd Securing Information Technology in Healthcare (SITH3) workshop Dartmouth College, Hanover, New Hampshire, May 16-17, 2013 *One of only 15 participants to be sponsored with a travel grant to attend one of the top international workshops on mobile health
2004-2008 2006	University of the Philippines Medical Alumni Society in America Scholarship Best Medical Paper Award Free Paper Presentations Category 2nd Combined Australasian Trauma Society and Early Management of Severe Trauma Conference Gold Coast, Queensland, Australia Consunji R., Lapitan MC, Sarmiento RFR , <i>et al.</i> Outcome of Trauma Patients Undergoing Damage Control Surgery in the Philippine General Hospital: An Analysis of Risk Factors.
2000-2003 1999-2003	University of the Philippines Presidential Scholarship Dean's List College of Social Sciences and Philosophy, University of the Philippines

Professional Experience

2017-present	Director and Research Assistant Professor 5 National Telehealth Center National Institutes of Health University of the Philippines Manila, Ermita, Manila, Philippines (February 2017 – present) <ul style="list-style-type: none">• As Center director, I am responsible for the management, including performing administrative and technical roles, of the Center as it relates to the design, development, implementation, and monitoring and evaluation of eHealth and telemedicine/telehealth activities, projects, and initiatives in the Philippines.• As research faculty, I am responsible for grant writing and performing my duties and responsibilities as either lead/principal investigator or co-investigator of Center research projects, including:<ul style="list-style-type: none">○ Principal investigator of the “EMR for XDP: Design, development, and implementation of an electronic health information system for X-linked dystonia Parkinsonism (XDP)” project, a two-year project with a budget of more than 10 million pesos (more than 203,000 USD)○ Lead organizer of the 2nd UP-MIT-Stanford Big Data Conference and Workshops, held July 10-11 2018 and attended by nearly 140 participants○ Co-investigator and co-project leader of the “Medical Teleparasitology for Laboratory Diagnosis of Parasitic Infections in the Philippines: Optimization and Expansion of Implementation Towards Policy Formulation” project (November 2017 – October 2018) with regional implementations in Cordillera Administrative Region (CAR), Davao, and Zamboanga.
2017-present	Data Protection Officer Head, Data Privacy Committee Philippine General Hospital, Taft Avenue, Ermita, Manila, Philippines (February 2017 – present)
2016-present	Chief Data Protection and Privacy Officer Officer-in-Charge, Data Protection and Privacy Committee University of the Philippines Manila, Ermita, Manila, Philippines (September 2016 – present)
2014-2016	Public Health Informatics Fellow Surveillance Branch Division of Surveillance, Hazard Evaluations, and Field Studies National Institute for Occupational Safety and Health

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U.S. Centers for Disease Control and Prevention, Cincinnati, OH
(June 16, 2014 – June 15, 2016)

- Led an informatics evaluation project on finding and developing automated solutions that will help the Ebola emergency response staff to improve the capture, management, storage, and analysis of data coming from disparate sources for all domestic and international staff deployment and synchronization activities as part of the CDC emergency response to the Ebola epidemic in West Africa (Sierra Leone, Liberia, Guinea) by performing requirements gathering, business process analyses, and needs assessment prior to presenting potential solutions to stakeholders.
- Served as the Associate Program Advisor for the Occupational Health Safety Network, a secure web-based occupational health surveillance program implemented across the United States used to track and analyze data on injuries and injury risks among workers in health care facilities; streamlines and optimizes the data mapping processes for all 116 OHSN participating facilities by applying a range of data processing and analysis methods

2012-2014

Clinical Informatics Postdoctoral Research Fellow

Office of High Performance Computing and Communications
Lister Hill National Center for Biomedical Communications
National Library of Medicine
U.S. National Institutes of Health, Bethesda, MD
(April 1, 2012 – June 15, 2014)

- Investigated the potential use of HMG-CoA reductase inhibitors on the management of sepsis patients using clinical data mining and natural language processing techniques on both the structured and unstructured data contained in the Multiparameter Intelligent Monitoring in Intensive (MIMIC-II) database.
- Developed a controlled medical vocabulary for the eight major Philippine languages through crowdsourcing.
- Evaluated the utility of online search tools (clinical resource guides vs. Internet search engines) in retrieving useful answers to clinical queries.

2009-2012

Health Policy and Health Informatics Associate

Health Futures Foundation, Quezon City, Philippines

2010-2012

HIV/AIDS Research Associate

Health and Nutrition Section
United Nations Children's Fund, Philippines
(September 2010 – February 2012)

2010

Monitoring and Evaluation Consultant for Health Emergencies

Health and Nutrition Section
United Nations Children's Fund, Philippines
(Jan – Mar 2010)

2008-2009

Coordinator for Research and Development; Coordinator for Field Operations

(concurrent positions)
National Telehealth Center
National Institutes of Health, University of the Philippines Manila, Philippines
(October 2008 – December 2009)

January 2009

Staff physician

Metropolitan Doctor's Medical Clinic, Boracay Island, Aklan, Philippines

2008-2009

Staff physician

Southern Luzon Hospital and Medical Center, Santa Rosa, Laguna, Philippines
(Dec 2008 – Mar 2009)

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Editorial Activities

2019-present	European Journal for Biomedical Informatics, editorial board member
2019	American Medical Informatics Association (AMIA) Annual Symposium, reviewer
2019	17 th World Congress on Medical and Health Informatics (Med Info), reviewer
2018	10 th Biennial Conference, Asia Pacific Association for Medical Informatics, reviewer
2017	16 th World Congress on Medical and Health Informatics (Med Info), reviewer
2015-2017	Journal of the American Medical Informatics Association, student editorial board
2014-2016	Methods of Information in Medicine, student editorial board
2015	American Medical Informatics Association (AMIA) Annual Symposium, reviewer <ul style="list-style-type: none">• Peer reviewer• Clinical and Consumer Health Informatics Year-in-Review Committee, member• Public and Global Health Informatics Year-in-Review Committee, member
2015	15 th World Congress on Medical and Health Informatics (Med Info), reviewer
2014	American Medical Informatics Association (AMIA) Annual Symposium, reviewer
2013-2014	Informatics for Health and Social Care, reviewer
2013-2014	Electronic Journal of Information Systems Evaluation, reviewer
2013	14 th World Congress on Medical and Health Informatics (Med Info), reviewer

Selected Publications

Peltonen LM, Pruinelli L, Ronquillo C, Nibber R, Peresmitre EL, Block L, Deforest H, Lewis A, Alhuwail D, Ali S, Badger MK, Eler GJ, Georgsson M, Islam T, Jeon E, Jung H, Kuo CH, **Sarmiento RF**, et al. The current state of Nursing Informatics – An international cross-sectional survey. *Finnish Journal of eHealth and eWelfare*. 2019 May 05;2019:220-231. Accessed from: <https://journal.fi/finjehew/article/view/77584>

Abaya AR, de Rivera JJJ, Roldan S, **Sarmiento R**. Does long-term length of stay on board affect the repatriation rates of seafarers? *International Maritime Health*. 2018;69(3):157-62. doi: 10.5603/IMH.2018.0025.

****Awarded Best Scientific Paper for 2018 by the International Maritime Health journal**

Groenewold M, **Sarmiento RF**, Vanoli K, Raudabaugh W, Nowlin S, Gomaa AE. Workplace Violence Injury in 106 US Hospitals Participating in the Occupational Health Safety Network (OHSN), 2012-2015. *American Journal of Industrial Medicine*. 2017 Nov;10.1002/ajim.22798.

Sarmiento RF and Marcelo AB. Pharmacy Systems and Global Health. In Celi, LA & Nikore, V (Eds.), *Global Health Informatics: Principles of eHealth and mHealth to Improve Quality of Care*. Cambridge, MA: MIT Press. April 2017.

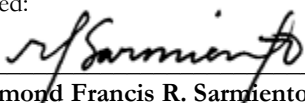
Sarmiento RF and Deroncourt F. Improving Patient Cohort Identification Using Natural Language Processing. In Celi LA, Charlton P, Naumann T, Ghassemi M, et al. (Eds.), *Secondary Analysis of Electronic Health Records*. New York City, NY: Springer. October 2016.

Roberts K, Boland MR, Pruinelli L, Deruz J, Berry A, Georgsson M, Hazen R, **Sarmiento RF**, et al. Biomedical informatics advancing the national health agenda: the AMIA 2015 year-in-review in clinical and consumer informatics. *J Am Med Inform Assoc*. 2016 Aug 7. pii: ocw103. Doi: 10.1093/jamia/ocw103.

Peltonen LM, Topaz M, Ronquillo C, Pruinelli L, **Sarmiento RF**, et al. Nursing informatics research priorities for the future: recommendations from an international survey. *13th International Congress on Nursing Informatics*. Geneva, Switzerland. June 25-29, 2016. *Stud Health Technol Inform*. 2016;225:222-6.

****One of 10 nominees for the Best Scientific Paper Award (out of 441 papers submitted)**

Signed:



Raymond Francis R. Sarmiento, M.D.

August 31, 2019