

## EXPERT'S PROFILE



<b>Name of Grantee</b>	: <b>RAYMOND FRANCIS R. SARMIENTO, M.D.</b>
<b>Area of Expertise</b>	: Clinical and public health informatics; Clinical and translational research; Health data science; Standard health terminologies and interoperability
<b>Inclusive Dates of Contract as BSP Awardee</b>	: Short-Term Program October 24, 2016 – February 7, 2017
<b>Host Institution</b>	: National Telehealth Center, University of the Philippines Manila – National Institute of Health

### EDUCATIONAL BACKGROUND

- **Public Health Informatics Fellowship**, National Institute for Occupational Safety and Health U.S. Centers for Disease Control and Prevention, Cincinnati, OH, 2016
- **Clinical Informatics Postdoctoral Research Fellowship**, National Library of Medicine, U.S. National Institutes of Health, Bethesda, MD, 2014
- **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, 2011
- **Interdepartmental Clinical Internship**, Philippine General Hospital, Manila, Philippines, 2008
- **Doctor of Medicine**, University of the Philippines Manila, Manila, Philippines, 2008
- **Bachelor of Science in Psychology**, cum laude, University of the Philippines Diliman, Quezon City, Philippines, 2003

### PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

- HL7 Philippines, 2018-Present  
Chair, 2018-Present
- International Medical Informatics Association, 2017-Present  
Chair, Health Informatics for Development Working Group, 2017-Present
- Philippine Medical Informatics Society, 2012-Present  
President, 2017-President
- Healthcare Information and Management Systems Society  
Membership number: 700293974, 2016–Present
- Asia eHealth Information Network , 2013-Present
- Health Level Seven International, 2013-Present
- Society of Physician Entrepreneurs (National Capitol Area chapter, Washington DC), 2012-Present
- American Medical Informatics Association, 2012-Present

- Philippine Medical Informatics Society, 2012-Present
- Philippine Health Social Science Association, 2011-present
- Philippine Medical Association, 2008-present
- University of the Philippines Medical Alumni Society, 2008-present
- Philippine General Hospital Association of Medical Alumni, 2008-present
- Phi Kappa Phi International Honor Society (Philippine Chapter), 2003-present
- Pi Gamma Mu International Honor Society (Philippine Alpha Chapter), 2003-present

## CERTIFICATION & LICENSES

Licensure: 2008 – Present Philippine Physician License

## PROFESSIONAL AND RESEARCH EXPERIENCE

2017-present	<p><b>Director and Research Assistant Professor 5</b> National Telehealth Center, National Institutes of Health University of the Philippines Manila, Ermita, Manila, Philippines</p>
2017-present	<p><b>Data Protection Officer</b> Philippine General Hospital, University of the Philippines Manila, Ermita, Manila, Philippines</p>
2016-present	<p><b>Chief Data Protection and Privacy Officer</b> University of the Philippines Manila, Ermita, Manila, Philippines</p>
2016-present	<p><b>Chief Research Informatics Officer</b> National Telehealth Center, National Institutes of Health University of the Philippines Manila, Ermita, Manila, Philippines</p>
2014-2016	<p><b>Public Health Informatics Fellow</b> Surveillance Branch Division of Surveillance, Hazard Evaluations, and Field Studies, National Institute for Occupational Safety and Health, U.S. Centers for Disease Control and Prevention, Cincinnati, OH</p>
2012-2014	<p><b>Clinical Informatics Postdoctoral Research Fellow</b> 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</p>
2009-2012	<p><b>Health Policy and Health Informatics Associate</b> Health Futures Foundation, Quezon City, Philippines</p>
2010-2012	<p><b>HIV/AIDS Research Associate</b> Health and Nutrition Section, United Nations Children’s Fund, Philippines</p>
2010	<p><b>Monitoring and Evaluation Consultant for Health Emergencies</b> Health and Nutrition Section, United Nations Children’s Fund, Philippines</p>
2008-2009	<p><b>Coordinator for Research and Development; Coordinator for Field Operations (concurrent positions)</b> National Telehealth Center, National Institutes of Health, University of the Philippines Manila, Philippines</p>
January 2009	<p><b>Staff physician Metropolitan Doctor's Medical Clinic,</b> Boracay Island, Aklan, Philippines</p>
2008-2009	<p><b>Staff physician Southern Luzon Hospital and Medical Center</b> Santa Rosa, Laguna, Philippines</p>

## **ACCOMPLISHMENTS AS BALIK SCIENTIST AWARDEE:**

1. Developed and submitted technical proposal for review by Technical Review Board (Title: Development of scalable telemedicine protocols and systems to help increase widespread implementation of the National Newborn Hearing Screening Program);
  - a. Revision of technical proposal and submission for review by the University of the Philippines Manila Research Ethics Board (UPM-REB)
2. Identified data needs by Newborn Hearing Screening Reference Center (NHSRC);
3. Determined the current (baseline) architecture of Community Health Information Tracking System (CHITS) and functional workflow;
4. Initiated the development of the new Newborn Hearing Screening (NHS) module;
5. Planned and developed the automation protocols for telereferrals/teleconsultations from CHITS to the National Telehealth System (NTS);
6. Tested the prototype of NHS module;
7. Tested the prototype of automation protocols for telereferrals/teleconsultations from CHITS to the NTS; and
8. Worked on interoperability of health information systems.