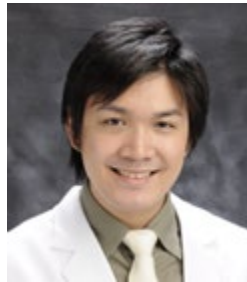**MARQUETTE UNIVERSITY**

TechQuity in Action: Applied Clinical & Public Health Informatics Approaches Advancing Health Equity in Community Health Centers

Tuesday, April 16, 2024
2:00 pm – 3:00 pm
Olin 202

Reception to follow in Olin 204
3:00 pm – 3:30 pm

Dr. Raymonde Uy
Physician Informaticist, National Association of Community Health Centers

ABSTRACT: Health inequities remain a persistent challenge in the U.S. healthcare system, disproportionately impacting underserved and marginalized communities. Let's discover how the strategic application of clinical and public health informatics can help advance health equity through community health centers. We will define and demystify the fields of health information technology (health IT) and informatics, highlighting the role of electrical and computer engineers in developing and leading innovative solutions supporting the concept of "TechQuity". We will dive into critical clinical terminology standards and data models that enable interoperability across disparate health IT systems. The core of the presentation will focus on real-world public health projects, demonstrating informatics approaches for electronic health records, clinical decision support, population health analytics and clinical terminology standards are being leveraged by community health centers to improve access, quality, and outcomes for their patient populations. Gain a deeper understanding of the academic, industry, and government opportunities available for ECE academic researchers to apply their expertise in advancing health equity through applied clinical and public health informatics. The session will conclude with a call to action, encouraging the audience to explore these interdisciplinary possibilities.

BIOGRAPHY: Dr. Raymonde Uy is the physician informaticist at the National Association of Community Health Centers. He leads clinical and public health informatics projects focusing on nationwide health information technology (HIT) needs of community health centers and networks in various domains such as social drivers of health (SDOH), women's health, reproductive health, adult immunizations, climate health, occupational health, HIV, and chronic diseases. Dr. Uy focuses on clinical data quality and normalization, data and terminology standards, syntactic and semantic mapping, clinical decision support, EHR optimization and HIT policy. Additionally, he is a clinical informatics consultant and visiting scholar for academic and industry stakeholders internationally. Dr. Uy is a member of The Office of the National Coordinator for Health Information Technology's Health Information Technology Advisory Committee (HITAC), and is involved in multiple working groups within AMIA, HL7®, and the Gravity Project. Dr. Uy graduated with a dual MD/MBA degree and completed his postdoctoral research fellowship in biomedical informatics at the U.S. National Library of Medicine in the National Institutes of Health campus in Bethesda, Maryland. Moreover, Dr. Uy is a diplomate of the inaugural AMIA Certified Health Informatics Professional (ACHIP) class, where he is a co-commissioner for credentialing and certification.