INVITED PRESENTATION

PASYENTE: Project for Dengue

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Abstract

Advanced healthcare technologies are gaining traction for their superior accuracy over traditional methods. The World Health Organization highlights AI's key role in enhancing disease screening, surveillance, clinical care, research, and drug development. The Philippines' healthcare system could benefit from greater ICT, operations research (OR), and AI integration, building on initiatives like TeleHealth. In 2019, Dengue cases surged in seven regions, with Davao City seeing a 67% rise (DOH, 2019; NEDA XI, 2021). To address Dengue, our team proposed a patient-centered Clinical Decision Support System (CDSS), which will pilot-test in Davao City, and then expanding to other hotspots. The PASYENTE Project leverages AI and OR to address dengue, aiming to enhance healthcare quality, expand technology use, and strengthen healthcare delivery across the country.