

Electronic National Centre for Disease Control (eNCDC) System as a Catalyst for Digital Transformation in Disease Control Program, Ministry of Health



Nur Haryanie H¹, Zuhaida AJ¹, Mohamad Fairus P¹,
Thilaka C/N¹, Wan Nur Farah Ameera WA¹, Esah MA²
¹Disease Control Division, Ministry of Health, Putrajaya
²National Public Health Laboratory, Sungai Buloh

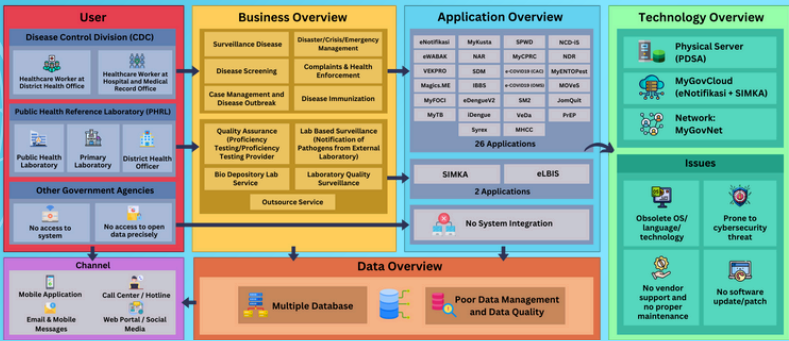
INTRODUCTION

The Ministry of Health's (MOH) Disease Control Division is spearheading a digital transformation to overcome inefficiencies in disease control information system. Current challenges include fragmented systems, outdated data management practices, and a lack of real-time analytics. The Electronic National Centre for Disease Control (eNCDC) system is designed to address these issues by establishing a unified and modern information system.

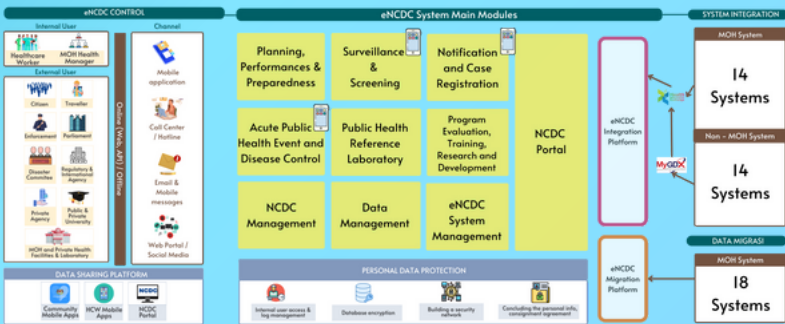


RESULTS

AS-IS (LEGACY SYSTEM)



The Electronic National Centre for Disease Control System Overview



DISCUSSION

The eNCDC system will leverage technologies like cloud computing, big data analytics, and robotic process automation to replace the 28 fragmented systems with a unified, secure, and scalable platform. This transformation will improve application quality, streamline disease control responses, and enhance surveillance and early warning systems. Comprehensive training will ensure staff can effectively use the new system. The eNCDC's phased development approach will start with organizational changes and be followed by continuous monitoring to ensure implementation effectiveness.

APPRECIATIONS

1. Project Management Office (PMO) eNCDC
2. Disease Control Division, Malaysia MOH
3. National Public Health Laboratory, Malaysia MOH
4. Information Management Division, Malaysia MOH
5. National Digital Department, Digital Ministry

WANT TO KNOW MORE ABOUT eNCDC PROJECT?

☎ 03-88834197
☎ 013-9279454
✉ cdcmalaysia@moh.gov.my
📍 Level 4, Block E10, Disease Control Division, Ministry of Health, Putrajaya

