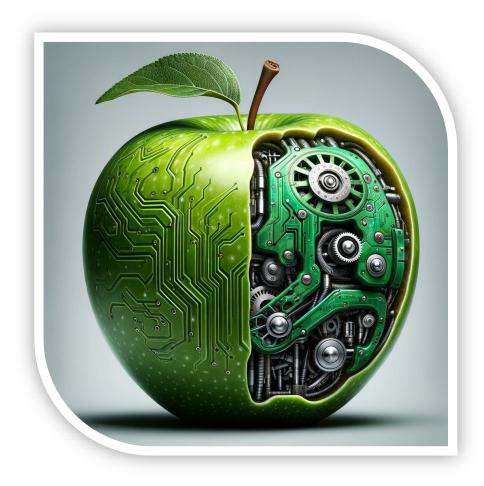
Data & Analytics Innovations in Public Health

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Introduction



- Innovation a strategic value and goal
- Spectrum of innovation
- Five initiatives highlighted for potential impact in public health practice

1. Strengthening Data Governance



- Established a structured data governance framework to ensure data quality and accessibility.
- Plans to extend data sharing capabilities with external community partners.

2. ISPA Notification Process Enhancements

- Shifted from provincial tools to a flexible, in-house document generation tool.
- Successfully sent over 12,000 tailored immunization notices in the 2023/24 school year.
- Achieved better clarity and reduced administrative workload.



3. Open-Source Initiatives

- Embracing open-source software to foster innovation and knowledge sharing across public health units.
 - Wastewater-based epidemiology
 - Well water test data retrieval
 - Vaccination history visualizer (used for ISPA notices)
 - Developers guide
- WDGPH creating a model for other PHUs to share and collaborate on transformative innovative approaches



4. Al Platform and 5. Chatbot Expansion



- Adopted an Al platform to accelerate the development and deployment of automated solutions
- Data governance foundational for Al
- Exploring expansion of Chatbot and application of AI to detect emerging public health concerns

Conclusion

- WDGPH continues to build on its strong data and innovation culture
- Initiatives enhance public health practice locally
- Collaborative approaches strive to impact the broader public health system

