Digital innovations to improve management of ill health

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Apopo

• Is an Organic artificial intelligence, for TB diagnosis.
• Uses Pavlovian conditioning to train African Giant Pouched Rats.
• Training takes 9 months, can screen thousands of sputum samples a month. Over 58 rats trained.
• Efficient and low cost suitable testing TB in high risk population the developing world.
Digital pill

- For monitoring treatment adherence.
- Paving the way for future ‘digestibles’.
- Drugs with sensors that allows physicians to remotely monitor whether a medication has been taken and how it is being digested.
Health Information Management

- **HL7® FHIR®** APIs healthcare apps is one of the Fast Healthcare Interoperability Resources (FHIR)
- Aim to improve access to health information and electronic health records
Dr-Patient Relationship

• The chatbots are improving efficiency and enhancing productivity.
• Using machine learning and artificial intelligence, chatbots can answer simple medical questions.
Key points

• Digital health has a critical role in improving patient management through disease diagnosis, treatment monitoring and tracking disease burden in a population.