Future Ready Healthcare

*What if we can?*

Develop an eco-system of place-based healthcare infrastructure in developing markets

*Jabulile Nhlapo*
Universal Health Coverage by 2030
Future Ready Healthcare
What if we can?

Lack of Infrastructure
Over-subscribed and Ageing Infrastructure
Rapid Urbanisation
Poor Access to Healthcare in Rural Communities

Legend
- District municipalities
- Provinces
- Number of hospitals
  - 0 - 30
  - 31 - 60
  - 61 - 90
  - 91 - 120
  - 121 - 150

Image courtesy of Kapwata & Manda, 2018
What does the existing healthcare ecosystem look like?

- **Rural Areas**
  - Primary Healthcare Facility

- **Urban & Peri-urban Areas**
  - District Hospital
  - Regional Hospital
  - Central (Academic) Hospital
  - Specialized Hospital
What does the existing healthcare ecosystem look like?

Urban and Peri-urban Areas:
- District Hospital
- Regional Hospital
- Central (Academic) Hospital
- Specialized Hospital

Rural Areas:
- Primary Healthcare Facility

Urban & Peri-urban Areas:
- Urban & Peri-urban Areas

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What if we can?
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What if we can?

Rural Areas
- Primary Healthcare Facility
- Modular Day Hospital

Urban & Peri-urban Areas
- Urban & Peri-urban Areas

Urban and Peri-urban Areas
- District Hospital
- Regional Hospital
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What if we can?
Building Services

Modular Sewer Treatment Plants

Modular Water Treatment Plants and storage
Existing Modular Healthcare Facilities
Existing Modular Healthcare Facilities
Existing Modular Healthcare Facilities
Light weight steel with improved façade

Non-container like appearance
Telemedicine in Rural Nepal
Future Ready Healthcare
What if we can?

Electronic Medical Records System

Drone Delivery

Rural Areas
- Primary Healthcare Facility
- Modular Day Hospital

Urban & Peri-urban Areas
- District Hospital
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Urban and Peri-urban Areas
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Healthcare
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Medical Drone Deliveries in Rwanda
Eco-system of Place-based Healthcare Infrastructure

Drone Delivery

Rural Areas
- Primary Healthcare Facility
- Modular Day Hospital

Urban and Peri-urban Areas
- District Hospital
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Urban & Peri-urban Areas

Electronic Medical Records System
Universal Health Coverage by 2030?

- Right mix of interventions
- Incremental changes
- Sustainable business models
- Public Private Partnerships (PPP)
Thank you!