



Being a Pharmacist in Rural Zimbabwe

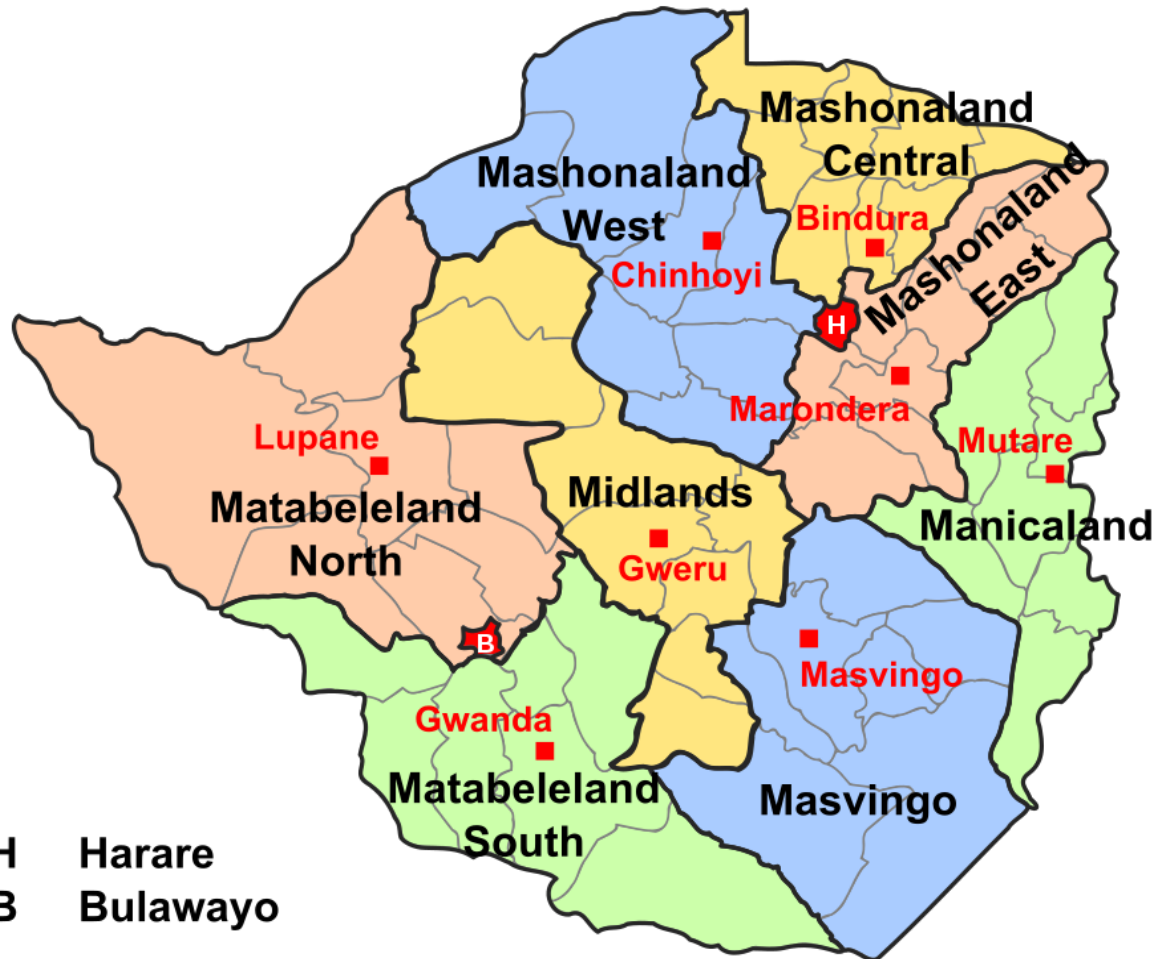
A Supply Chain & Logistics
Perspective



Overview

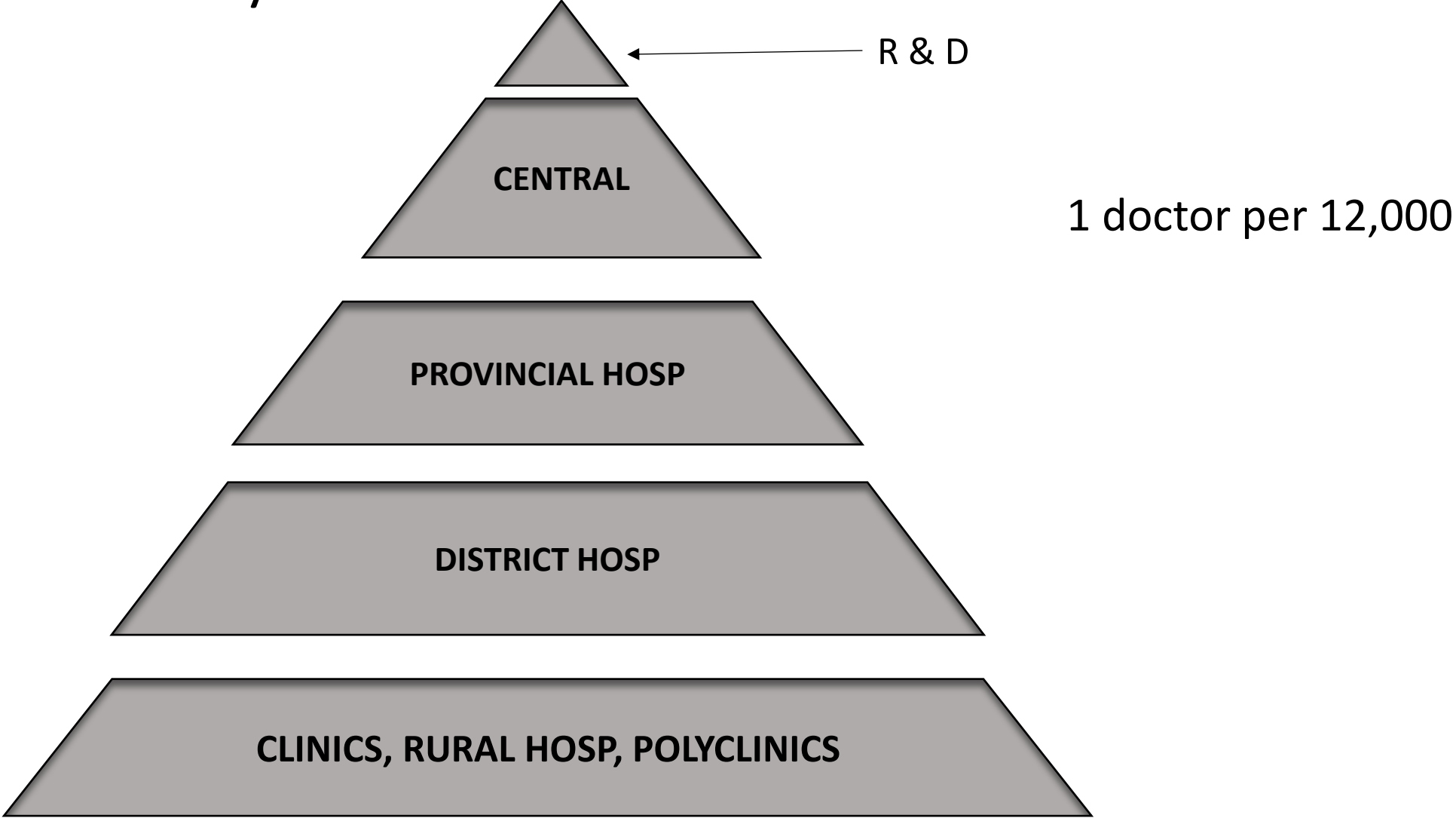
- Demographic data and Health System
- SCM & PSC
- Challenges in the public sector
- What I have done
- The challenges I continue to face
- Improving access

Administrative Boundaries and Demographics



- 10 Provinces
- 59 Districts
- 14.8 million
- 68% rural population
- 32% urban population

The Health System



Disease Burden

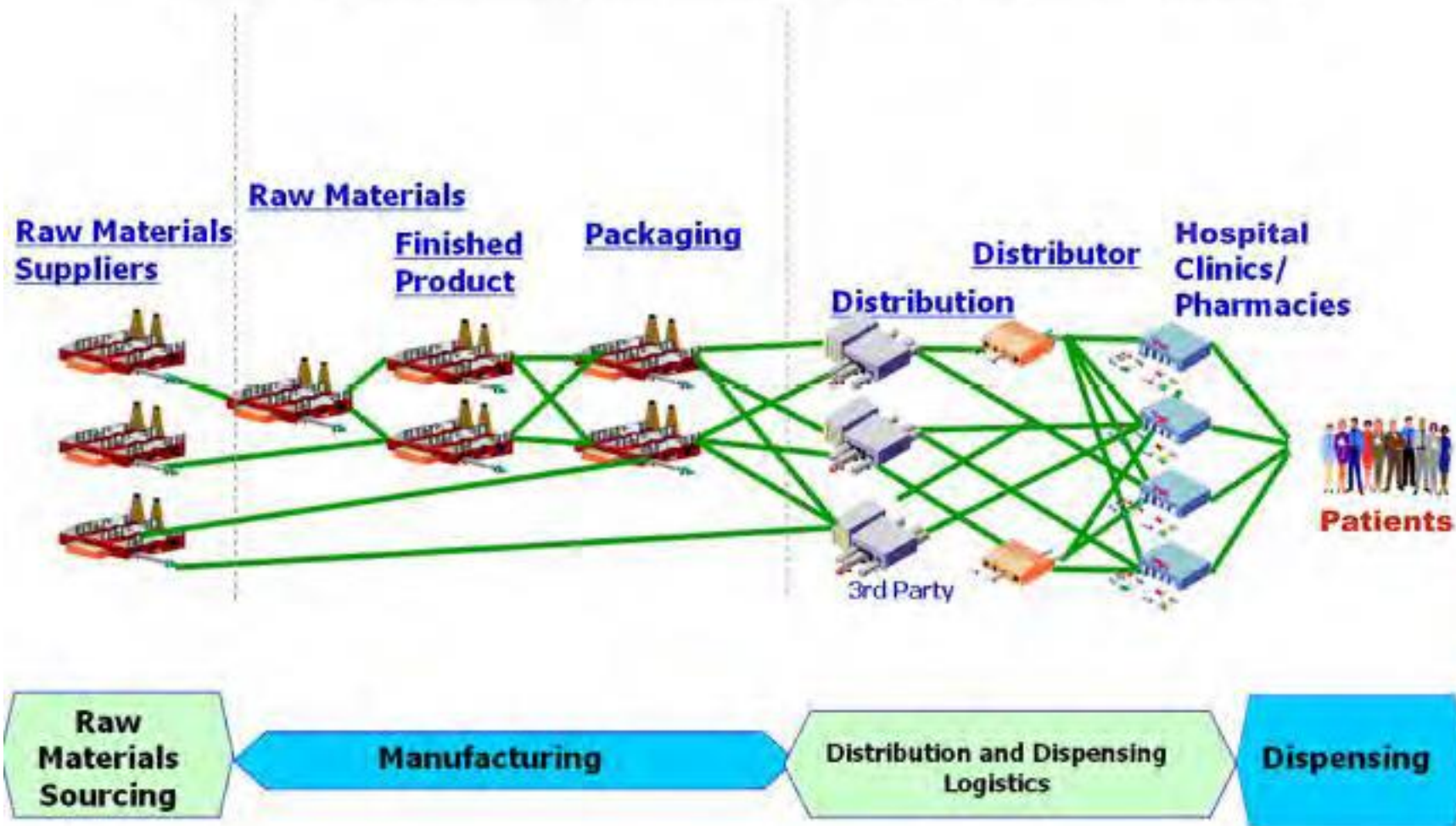
- HIV & AIDS 11.9% in adults
- TB 193 per 100,000
- MALARIA 98.5 per 1000
- Emerging non- communicable diseases 39%

A photograph of a port or warehouse area. In the foreground, a red forklift is moving a yellow shipping container. A white truck is parked nearby. In the background, there are stacks of colorful shipping containers (yellow, red, blue, green) and a building. The sky is blue with some clouds. The text "What is Supply Chain and Logistics Management?" is overlaid in the center of the image.

What is Supply Chain and Logistics Management?



Pharmaceutical Supply Chain



Pharmaceutical Supply Chain

Public sector

Private sector

A 3D rendering of a warehouse conveyor belt system. The scene shows a central conveyor belt with several cardboard boxes moving along it. The boxes are brown and have white labels with barcodes. The floor is a dark blue-grey color, and a red laser grid is overlaid on the floor, creating a perspective view that leads towards the center. The lighting is soft and focused on the boxes, with a slight glow around them. The overall aesthetic is clean and modern, suggesting a high-tech or automated environment.

Challenges in the Public Sector

Inventory & Procurement Management systems

- Manual vs Automated
- Long procurement cycles



Inadequate Health Financing

- 12.7% vs 15% for 2022
- Economic crisis





The Impact on
the Patient

Patient travelling distances

Hauna Growth Point, Honde Valley, Zimbabwe

Mutare, Zimbabwe

1 hr 22 min
91.2 km

via A15
Fastest route now due to traffic conditions

Explore Mutare

Windows taskbar: Type here to search, 15°C, 07:19, 22/06/2022

Poor public transport system



Geographical Terrain



Honde Valley, Zimbabwe

Patients suffer

- Increased patient waiting time
- Increased hospital stay
- Increased mortality
- Increased out of pocket expense



What I have done





- Easy access alternative
- Reduced patient travel time
- Convenience
- Offering other medicines and clinical care

Access to Medicines

Dedicated team
Of young women

Est population
reach of 65,000



Collaboration with Stakeholders

Diabetes Awareness Campaigns 2021





**CHALLENGES
AHEAD**

Frustrating business and operational processes

Long procurement processes

Increased buffer stocks

Lack of credit facilities

Lack of transparency and communication

A lot of middleman

Lack of direct courier service

Increased transportation costs for small order or emergency orders

Drug shortages

COVID has exacerbated the problems

Transportation networks



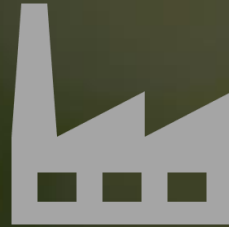
Transportation networks



What can be done to improve access



Automating and
digitizing the
supply chain



Increasing supply
chain visibility

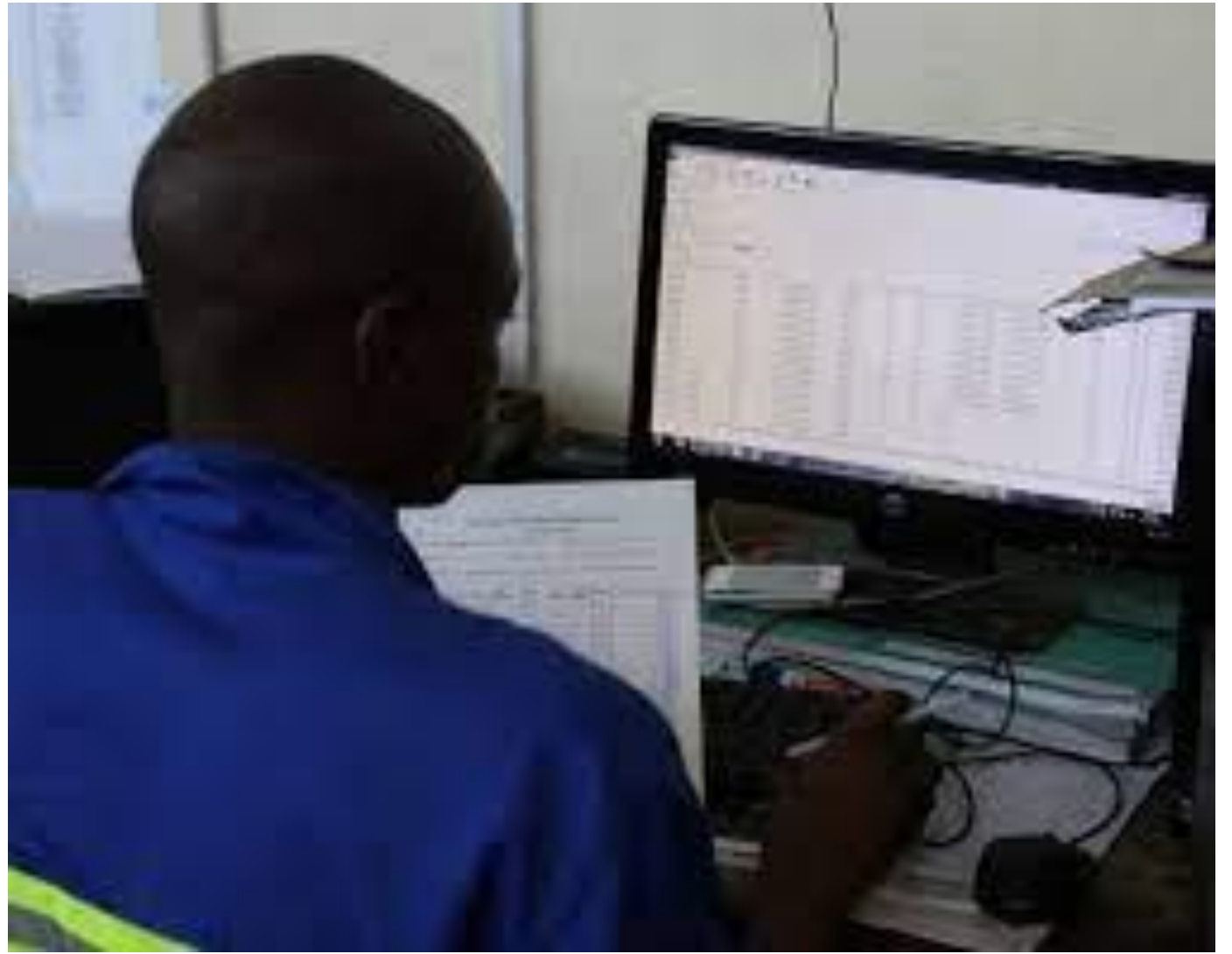


Innovation in last
mile delivery

Drone technology



Electronic logistics & Inventory management systems



Enablers

Committed policies
towards UHC and
AM

Adequate Health
financing

Embracing digital
technologies and
platforms

Multi-sectorial
public and private
partnerships

Knowledge sharing
and transfer from
within and with
other countries

Collaboration of
organisations in
the supply chain

Thank you
