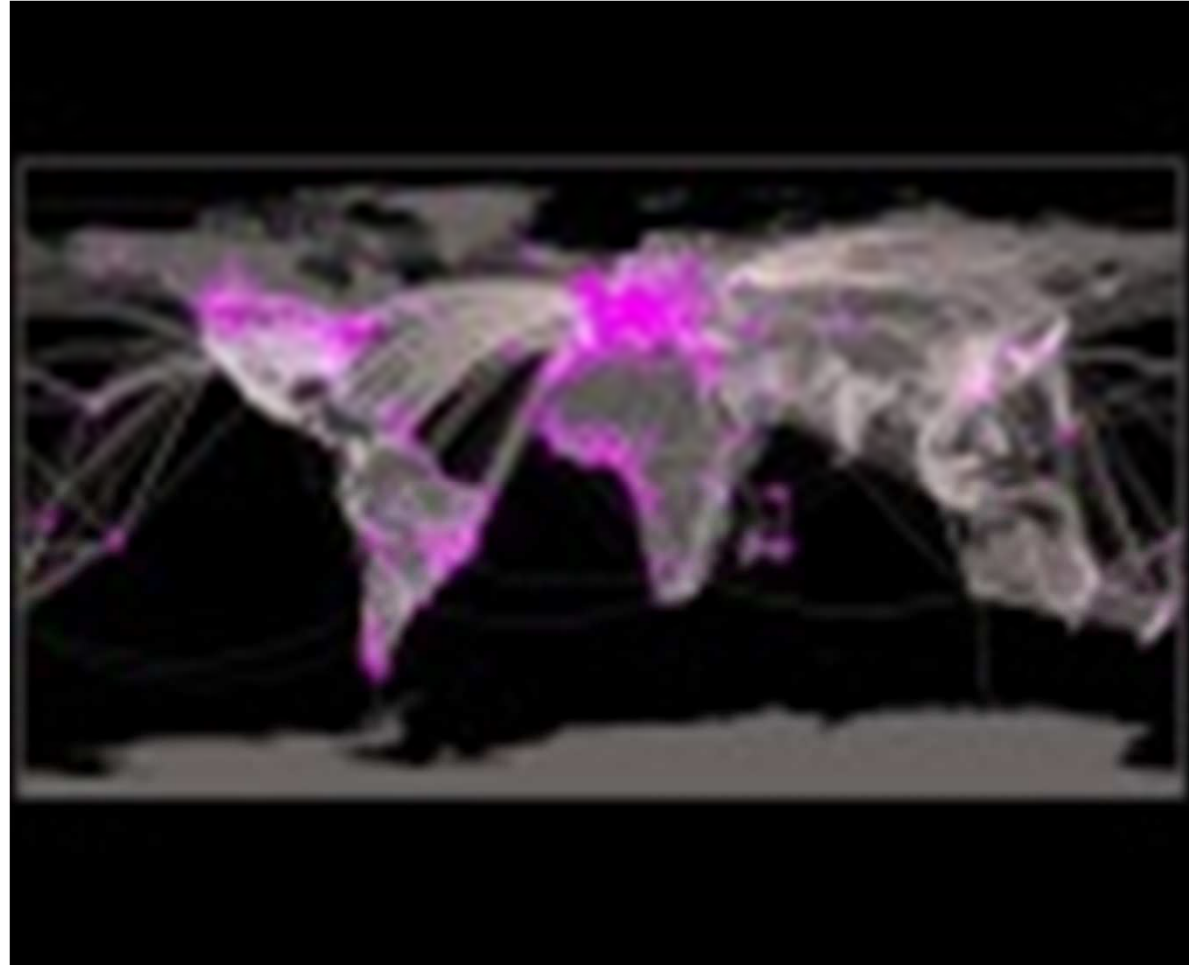


National laboratory System

Action package Detect 1

Nontombi Mbelle

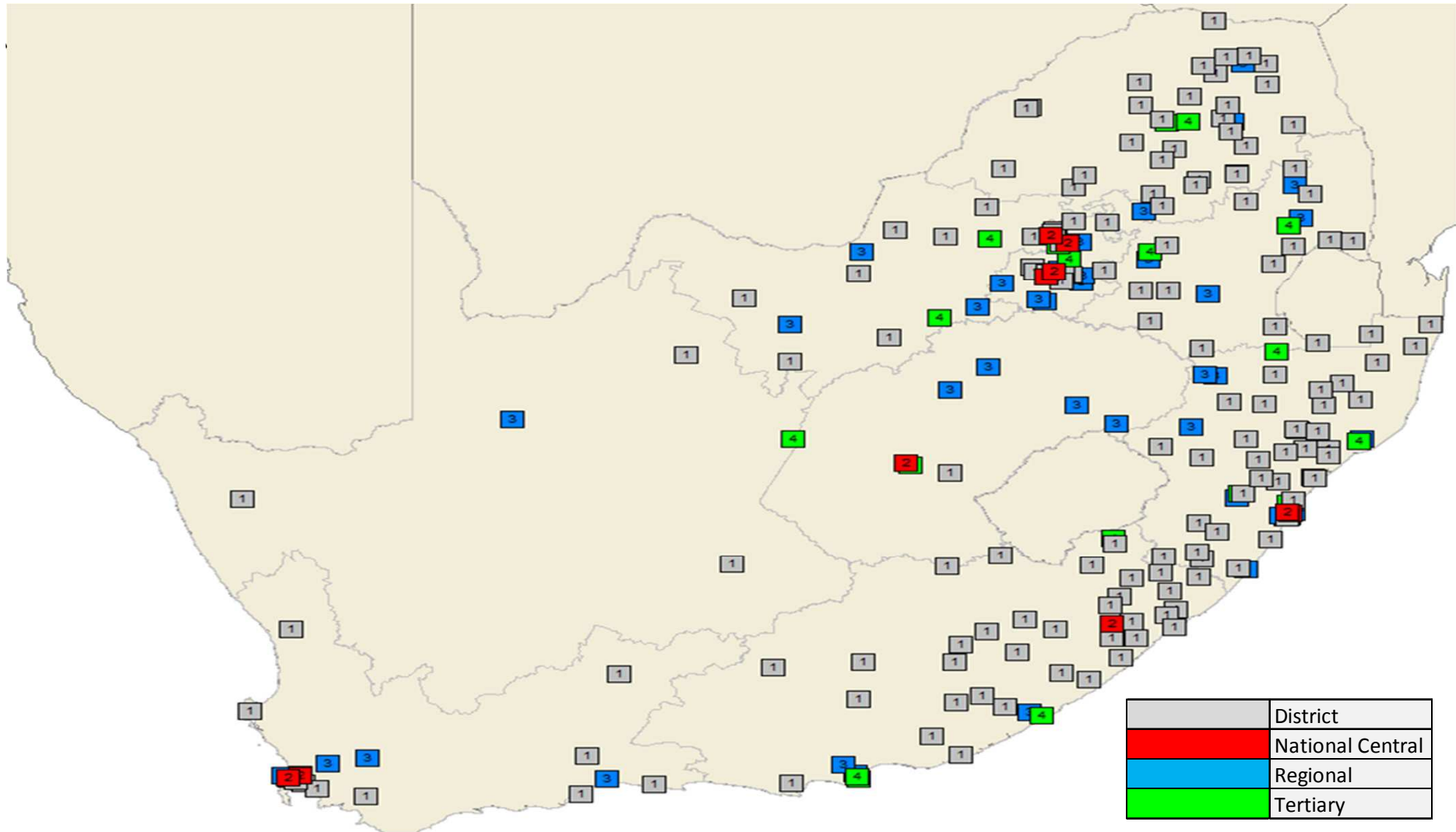
Computer simulation of how pandemics will spread



National Health Laboratory Services

- Network of public health laboratories (80%)
- Act of parliament - 2001
- Service
 - Diagnostic services
 - Teaching
 - Research
- National Institute for Communicable Diseases
- National Institute for Occupational Diseases

NHLS Laboratories



The NHLS is the largest diagnostic pathology laboratory service in South Africa.

The NHLS employs approximately 6,700 staff.

There are 349 laboratories across the nine provinces.

The NHLS serves approximately 80% of the South African population.

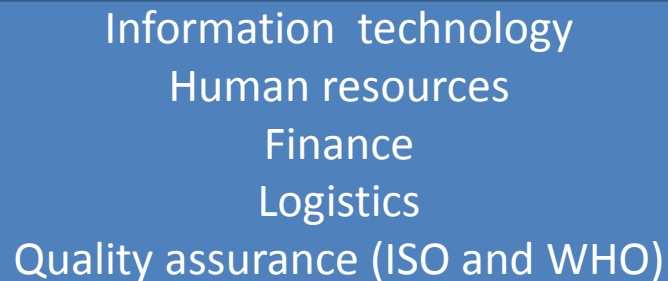
Organizational structure

- Diagnostic services



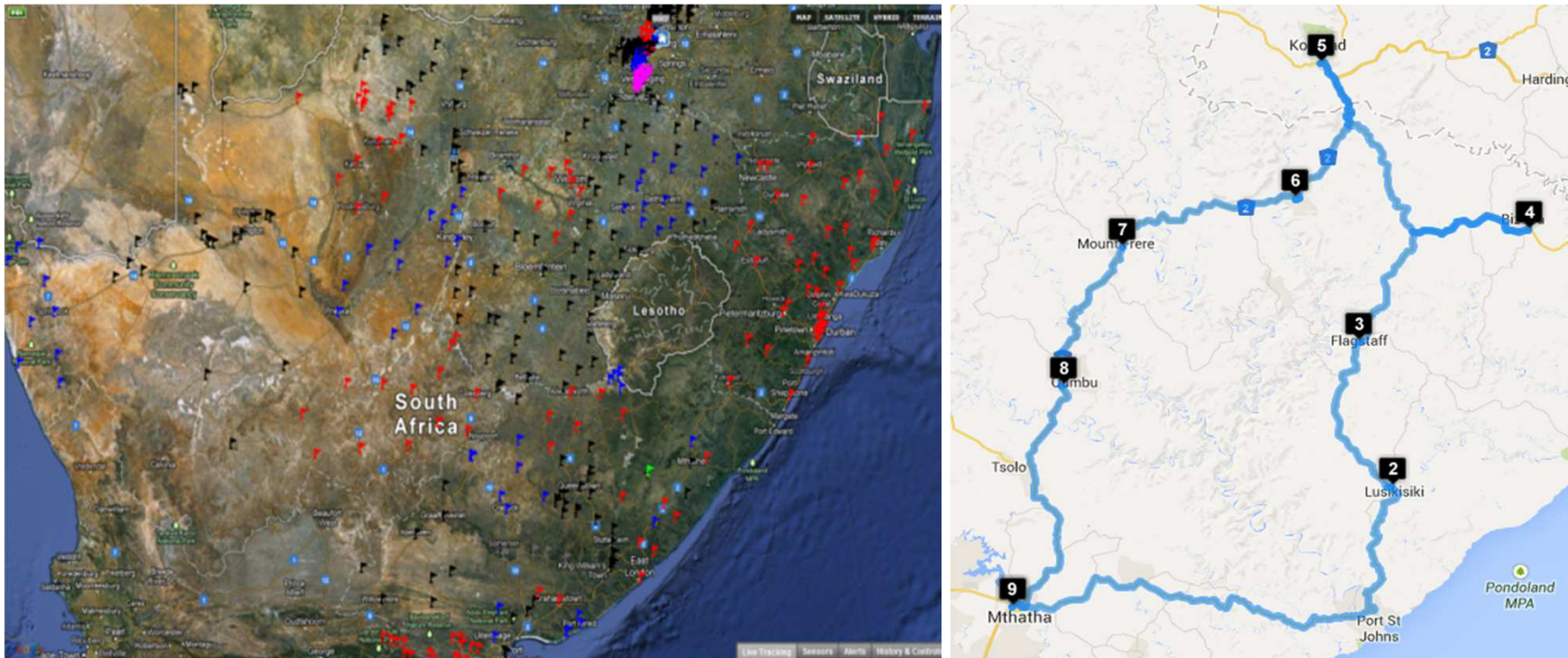
Diagnostic Services

- Support services



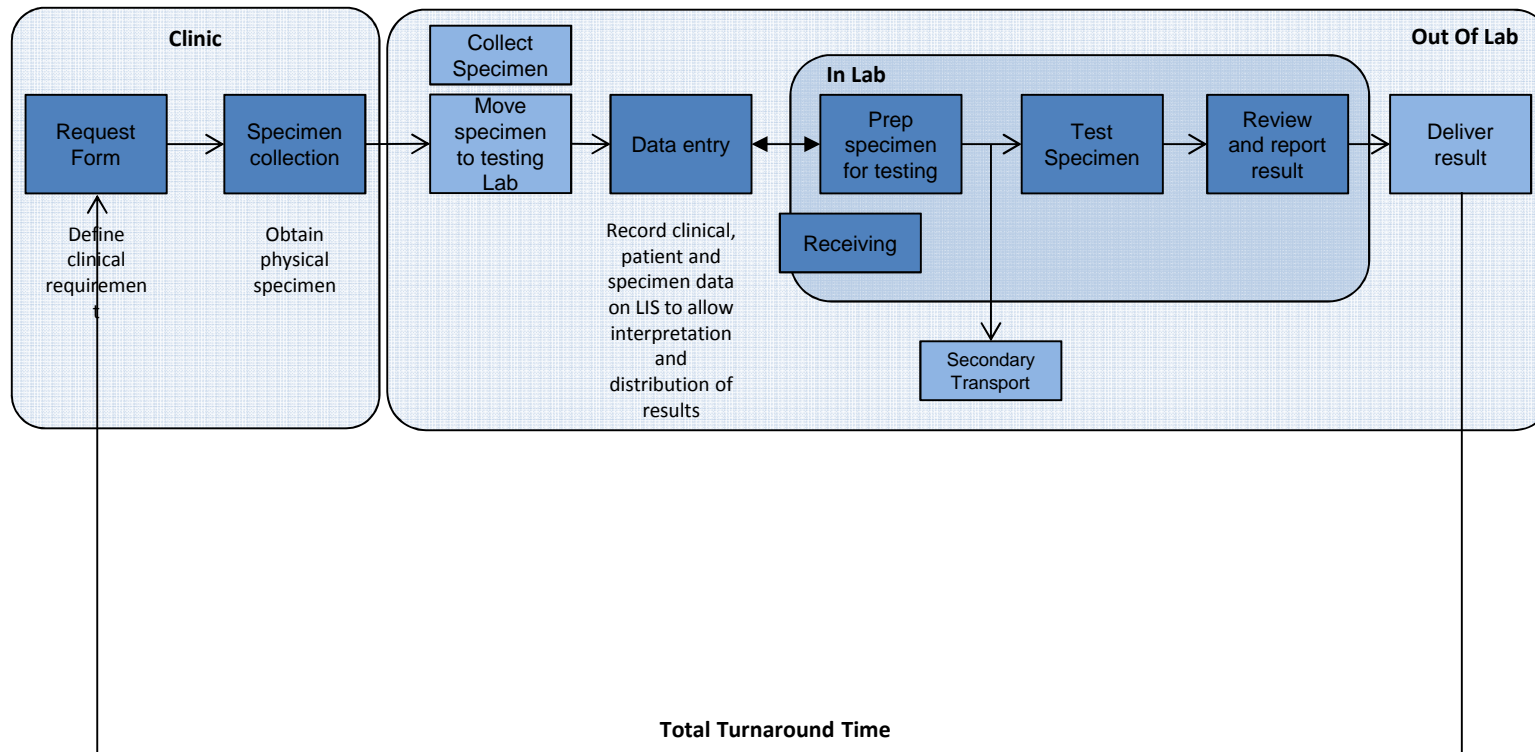
Information technology
Human resources
Finance
Logistics
Quality assurance (ISO and WHO)

National distribution infrastructure with defined routes



National network of couriers to transport specimens from clinics to laboratories

Core Value Chain



Core NHLS value chain; defining the core value addition activities within a patient pathology test

Department of Medical Microbiology





Progress of global and national laboratory system – Detect -1

- Political will – Minister of Health Dr Aaron Motswaledi
- Action package support (champions)
- Conference calls and national meetings (Prof Madhi)
- GHSA – assessment tool
- CEO and EXCO presentation

Reaching the GHSA goal

Strengths

- Network of laboratories
- Mapping completed
- Referral logistics
- Access to globally available platforms
- Referral to academic – national and international expertise (single Customer Service booklet)

Reaching the GHSA goal

Challenges

- Overburdened health services
- Staffing - technical expertise
- Core tests for priority diseases

Thank you for your attention