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**SOUTH AFRICA**

# Global Health Supply Chain Technical Assistance - South Africa

## PROGRAM OVERVIEW

The USAID Global Health Supply Chain Program (GHSC) in South Africa was launched in September 2016. The Program provides technical assistance to the South African government to strengthen public health systems and supply chains in order to advance an AIDS-free generation and contribute toward the achievement of universal health coverage.

- The GHSC team is led by Guidehouse (formerly PricewaterhouseCoopers Public Sector LLP), and includes PwC South Africa, Imperial Health Sciences, Management Sciences for Health, and Banyan Global.
- Key stakeholders include the Affordable Medicines Directorate (AMD) within the National Department of Health (NDOH), Provincial Departments of Health, USAID and other implementing partners.

## PROGRAM OBJECTIVES

- The aim of GHSC is to improve medicine availability across all levels of care in the country.
- The program spans the entire medicine supply value chain beginning with the selection of medicines and the application of health technology assessments (HTA), through to contracting and contract management, supply chain management and ultimately rational medicine use (RMU).

## ALIGNMENT TO USAID & PEPFAR STRATEGIC GOALS

- ✓ GHSC strongly aligns to PEPFAR objectives:
- ✓ The Program directly contributes to improving health outcomes of South Africans at the site level
- ✓ A primary focus is on improving medicine availability across the supply chain, reducing stock outs, and ensuring clinics and hospitals have necessary medicines and health commodities
- ✓ GHSC is egalitarian, supporting women, children, vulnerable or hard to reach populations and the larger South African public by improving medicine availability for all
- ✓ Each project activity aligns to supporting epidemic control, sustainability, and strengthening transparency and accountability; many project activities directly support 90 – 90 – 90 goals

## COUNTRY CONTEXT

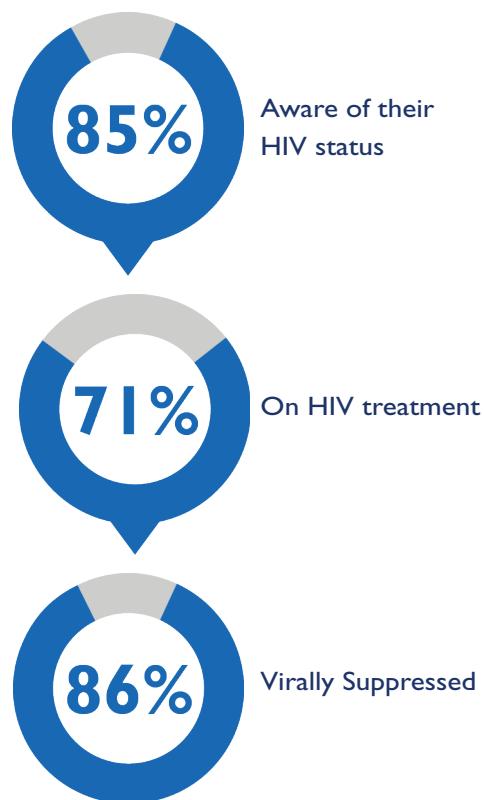
South Africa has the world's largest population living with HIV, with 7.1 [6.6-7.9] million HIV positive people, (STATS SA, 2017), 4.4 million of whom are currently receiving antiretroviral treatment (UNAIDS, 2017). The government's commitment to the 90:90:90 targets, introduction of Universal Test and Treat (UTT), and the pledge by the President to add 2 million patients on ART by 2019, necessitate a robust yet flexible supply chain.

Patients living with HIV present with comorbidities, exacerbated as the population ages. The supply chain for all essential medicines and related health commodities must thus be strengthened to allow for holistic treatment of South African citizens.

GHSC seeks to apply leading industry practices to strengthen the South African public health supply chain to fundamentally improve medicine availability. While the program's focus is supply chain, its scope extends to other health systems strengthening interventions. Throughout the project, our team is privileged to work with dedicated and committed officials at both National and Provincial Departments of Health, and to have the opportunity to collaborate with other implementing partners, as we collectively work towards the same goal of improving healthcare for all South African citizens.

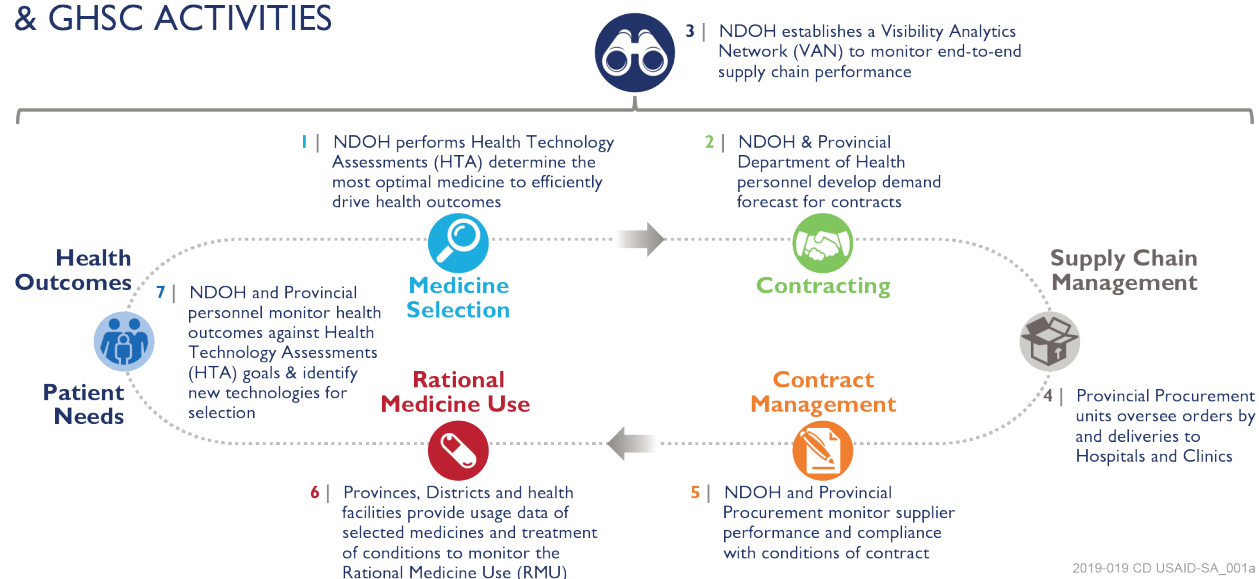
## SOUTH AFRICA

### PROGRESS TOWARDS 90-90-90 TARGETS AMONG ADULTS AGED 15-59



Source: Human Sciences Research Council, 2018

## MEDICINE SUPPLY VALUE CHAIN & GHSC ACTIVITIES





NDOH performs Health Technology Assessments (HTA) determine the most optimal medicine to efficiently drive health outcomes

## HEALTH TECHNOLOGY ASSESSMENT (HTA) ACCOMPLISHMENTS

- Updated medicine selection process guides including the Standard Treatment Guidelines (STG) Reviewer’s Manual
- Co-developed new analysis of medicine effectiveness process, including improved use of financial considerations in the selection of medicines.
- Completed a baseline knowledge and skills assessment of medicine selection expert review committee members to determine future training and upskilling requirements
- Developed a strategy for building the capacity of Hospital Adult and Tertiary Expert Review Committees by increasing capacity and skills of Expert Review Committee members to execute HTAs



NDOH establishes a Visibility Analytics Network (VAN) to monitor end-to-end supply chain performance

## VISIBILITY ANALYTICS NETWORK (VAN) ACCOMPLISHMENTS

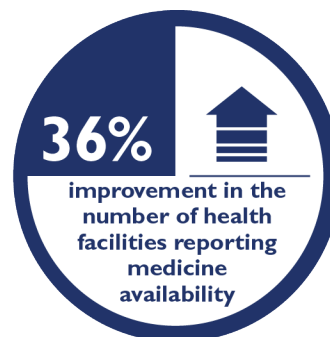
- Established a results framework to improve governance related to medicine selection, supply chain, supplier performance management and rational medicine use.
- Created over 100 individual dashboard views, that allow users to drill down from the aggregated view to the lowest level of detail at the healthcare facility level to support decision making.
- Supported the maintenance and contributed to the enhancement of the mobile application used at primary healthcare clinic level, resulting in 90% of clinics (3,299) reporting medicine availability data on a weekly basis. Similarly supported maintenance and training on hospital stock visibility systems, resulting in 80% of hospitals (345) providing weekly medicine availability data.



NDOH & Provincial Department of Health personnel develop demand forecast for contracts

## SUPPLY CHAIN STRENGTHENING ACCOMPLISHMENTS

- Developed a new Demand Planning processes and implemented an application that more accurately models essential medicine demand with improved coordination between NDOH, Provincial Health and Departments.
- Improved forecasts will improve budgeting and acquisition efficiency
- New Supply and Distribution Planning processes are being developed to improve order planning, reduce over stocks, and optimize transportation/distribution operations





Provincial Procurement units oversee orders by and deliveries to Hospitals and Clinics

## PROVINCIAL MEDICINE PROCUREMENT UNIT (PMPU) ACCOMPLISHMENTS

- Developed training materials and tools for new provincial supply chain processes detailing roles, responsibilities, and performance measures to facilitate improved governance at all levels chain of the health supply chain
- Completed a comprehensive baseline assessment of 5 provincial health activities examining readiness to adopt new, improved supply chain processes, to inform strengthening interventions
- Supported Warehouse Management System rollout that will fundamentally transform ordering and replenishment via electronic work flows and approvals and right-sizing inventory levels



NDOH and Provincial personnel monitor health outcomes against Health Technology Assessments (HTA) goals & identify new technologies for selection

## RATIONAL MEDICINE USE (RMU) ACCOMPLISHMENTS

- Supported requirements, testing and evaluation of the application governing medicine selection, Standard Treatment Guides, and the Essential Medicines List (EML)
- Developed master data dictionary to standardize data elements across AMD IT systems, enabling data analysis required to support development of provincial, district, and healthcare facility formularies based on the EML.
- Developed the new Formulary Guidelines to define and standardize development, maintenance and formulary use across all levels of care and types of public health facilities

Developed PuLSe, a web-based application, which will eventually enable healthcare professionals to apply for licenses and permits online. Applicants will be able to upload documents as opposed to sending certified hard copies via post. This will eventually result in increased medicine accessibility by increasing the number of professionals able to dispense medicines.

## ENABLING ENVIRONMENT ACCOMPLISHMENTS

- Developed new job profiles, performance agreements and measures for AMD and select provincial staff to support workforce development.
- Completed organizational redesign of Contract Management Unit to facilitate improved supplier relationship management and performance monitoring featuring new processes, indicators and job descriptions.
- Developed and implemented an integrated training curriculum for new supply chain processes, including e-learning content, training materials, self assessments and on-line courses.

**Name** | USAID Global Health Supply Chain Program

**Contract Number** | AID-OAA-I-15-00032;AID-674-TO-16-00002

**Duration** | September 27, 2016 to September 30, 2021

## GHSC POINTS OF CONTACT

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