Toward Building Resilient Pharmaceutical Systems: SIAPS Impact

Francis Aboagye-Nyame
B. Pharm (Hons) MSc MBA MPSGh FGCPPharm FPCPharm

Program Director
Systems for Improved Access to Pharmaceuticals and Services Program (SIAPS)
Management Sciences for Health

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Overview of the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program

SIAPS Program Information

Period of performance: 6 ½ years (ending March 22, 2018)

Cost share realized $18.3M

Award ceiling $244M

Goal

To assure the availability of quality pharmaceutical *products* and effective pharmaceutical *services* to achieve desired health *outcomes*.

Objective

To promote and use a *systems-strengthening approach* consistent with the *Global Health Initiative* that will result in positive and *sustainable health impact*. 
SIAPS Intermediate Results

• Strengthen pharmaceutical sector governance
• Build individual, organizational, and institutional capacity for pharmaceutical supply management and services
• Address the information for decision-making challenges in the pharmaceutical sector
• Strengthen financing strategies and mechanisms to improve access to medicines
• Improve pharmaceutical services to achieve desired health outcomes
SIAPS Systems Strengthening Approach

Improved Access. Improved Services. Better Health Outcomes
### SIAPS Partners and Specialized Resources

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*Since October 2015

Improved Access. Improved Services. Better Health Outcomes
Where We Worked

Summary
- TA in ≈ 46 countries
- Offices in 22 countries
- ≈ 320 Staff worldwide
- ≈ 80% of staff from host country

Regional Programs/Initiatives
- AMI
- AMRH
- East Africa Region
- East African Community
- ECSA
- LAC Region
- SAIDI
- West Africa Region

Field Programs
1. Angola
2. Bangladesh
3. Brazil
4. Burundi
5. Cameroon
6. DRC
7. Ethiopia
8. Guinea
9. Lesotho
10. Liberia
11. Mali
12. Mozambique
13. Namibia
14. Philippines
15. Rwanda
16. Sierra Leone
17. South Africa
18. South Sudan
19. Swaziland
20. Ukraine
21. Vietnam

TA Countries
1. Benin
2. Burkina Faso
3. Cambodia
4. Columbia
5. Dominican Republic
6. Georgia
7. Ghana
8. Haiti
9. Indonesia
10. Jordan
11. Kyrgyzstan
12. Malawi
13. Myanmar
14. Niger
15. Nigeria
16. Pakistan
17. Peru
18. Senegal
19. Tajikistan
20. Tanzania
21. Togo
22. Uganda
23. Uzbekistan
24. Zambia
25. Zimbabwe
A Focus on USG Priorities to Achieve Local Impact

- Universal health Coverage (UHC)
- Ending Preventable Childhood and Maternal Deaths (EPCMD)
- AIDS Free Generation (AFG)
- Protecting Communities from Infectious Diseases (PCID)
SIAPS Lessons and Impact...
Building Resilient National Pharmaceutical Systems: 
Strengthening Pharmaceutical Sector Governance

“the process of decision making and the process by which decisions are implemented (or not implemented)” - UNESCAP 2009

• Development and/or review of guidelines and policy documents
• Facilitation of coordination bodies
• Legal and regulatory instruments
• Accreditation standards
• Increasing accountability, transparency, and traceability of pharmaceutical transactions and services
Building Resilient National Pharmaceutical Systems: Building capacity for pharmaceutical services

- Institutional capacity building
  - Strategic planning
  - Organizational structures
  - Terms of reference
  - Job descriptions
- Individual capacity building
  - Pre-service
  - In-service
  - On-the-job
- Task shifting
  - Competency frameworks
- Human resource planning
- Curriculum development & accreditation
- Leadership and management training
Building Resilient National Pharmaceutical Systems:Enhancing Information for Decision Making

• Web-based dashboards and early warning systems
  • OSPSIDA – West Africa
  • OSPSANTE – Mali
  • SCMP – Bangladesh

7 countries have improved electronic information systems for medicine registration

43 countries use 7 electronic pharmaceutical management information systems
devolved by SIAPS

93% of surveyed health facilities used SIAPS-supported systems to input consumption data to inform ordering pharmaceuticals and health supplies

from 29% in Sept. 2013
Oshakati Hospital Pharmacy—Namibia

Situation

• 4,000 HIV/AIDS patients on treatment
• 1 Pharmacist
• 3 Pharmacist’s Assistants

- Pharmaceutical management considerations for Universal health coverage (UHC)
  - Policy Paper
  - Webinar
- UHC - Medicines Benefit Programs
- Pharmaceutical expenditure tracking guide
- Mobilizing resources
  - Funding gap analyses
  - Global Fund grants

http://uhc-medicines.org/

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Building Resilient National Pharmaceutical Systems: Ensuring Uninterrupted Availability and Access to Public Health Commodities

- Strengthening national supply chain management systems
- Improving procurement management systems in Bangladesh
- SOPs for warehousing and distribution management systems in Angola CMS (CECOMA)
- Physical distribution of commodities
- Mali PPM’s first five-year strategic plan (2015-2019)
- Quantification of Malaria Commodities - guidance document
Building Resilient National Pharmaceutical Systems: Ensuring Effective Pharmaceutical Services

- Patient-centered pharmaceutical care
  - Pharmaceutical service guidelines
  - Case management
  - Drug information centers
- Rational medicines use
  - Drug therapeutic committees
  - STGs and NEMLs
  - Adherence counselling
- Pharmacovigilance systems (PViMS)
- Slowing antimicrobial resistance
- RxSolution & EDT to support ART roll out and monitor retention
- Medicines utilization studies
Global Technical Leadership

• Defining and measuring pharmaceutical systems strengthening
• e-Tools
• Supporting USG/global efforts to contain emergence and spread of AMR
• Promoting global knowledge management in pharmaceutical system strengthening – WHO Information Portal
• Collaborating with WHO to promote good governance of medicines
Global Technical Leadership: Measuring Pharmaceutical Systems Strengthening

PSS Insight

Pharmaceutical products are crucial for improving health outcomes. Efforts to build resilient health systems to address emerging health needs must include strengthening pharmaceutical systems. However, there has been little attempt to conceptualize a pharmaceutical system and define its strengthening in a way that allows for measurement.

To address this, the USAID-funded SIAPS+ Global Technical Leadership program began work in 2014 to define a “pharmaceutical system” and “pharmaceutical systems strengthening” to provide the basis for developing a systematic approach for measuring pharmaceutical system strengthening.

This site presents the process for developing these definitions, as well as a framework for measuring pharmaceutical systems strengthening, and an indicator-based monitoring tool, PSS Insight, that is being piloted in select USAID priority countries.

This site will also house the results of the application of the Insight Tool in several countries and analysis over time.

www.pssinsight.org

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Global Technical Leadership: e-Tools

**e-TB Manager**
Management information needs for TB patients

**QuanTB**
A forecasting, quantification, and early warning tool to improve TB treatment

**Electronic Dispensing Tool (EDT & mEDT)**
Patient-centered tool to manage dispensing of medicines

**Active Pharmacovigilance Monitoring System**
Used by clinicians, regulatory bodies, and implementing partners to monitor the safety of medicines

**Pharmadex**
Streamlines management, dissemination, and sharing of information for a national drug regulatory authority

**RxSolution**
Pharmaceutical stock and patient management system
Global Engagement

SIAPS has helped contain the emergence and spread of antimicrobial drug resistance (AMR) through technical assistance and advocacy

- SIAPS has promoted knowledge management through partnership with the WHO/Essential Medicines and Health Products (EMP) Information Portal - http://apps.who.int/medicinedocs/en/

- SIAPS is a member of the WHO’s Good Governance for Medicines technical working group

SIAPS has provided technical leadership and capacity building to improve the availability of anti-TB commodities
Regional Engagement

**West Africa Health Organization**
- Regulatory Harmonization Initiative
- ospsida.org

**East African Community**
- Pharmacovigilance Program

**Ecumenical Pharmaceutical Network**
- Capacity building of member organizations
- Pooled procurement program

**NEPAD**
- African Medicines Regulatory Harmonization (AMRH) Initiative
- Model Law
- Pharmacovigilance Regional Centers of Excellence (PV-RCORES)
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Documentation & Knowledge Management

- www.siapsprogram.org
  - SIAPS final report
  - Annual & quarterly reports
  - Flyers
  - Technical reports & briefs
  - Case studies
  - Presentations
  - Success stories
  - More...
- USAID DEC
- USB Drive
Lessons Learned

Integration

Advocacy

Resilient Pharmaceutical System

Capacity Building

Data for Decision Making

Coordination

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In Conclusion...
Acknowledgement

- USAID OHS
- USAID AOR
- USAID Health Element Teams
  - PMI/TB/NTD/MNCH/HIV others
- USAID OAA
- USAID Missions
- Government Counterparts
- Implementing Partners
- MSH Staff
- EOP Event Planning Committee

A mother and child under an insecticide treated net (ITN) in Uganda. © 2007 Bonnie Gillespie, Courtesy of Photoshare
SIAPS Partners and Staff

SIAPS Global Meeting 2013 - Uganda

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Thank you

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