







Technical Assistance to Improve HIV National Information System in Niger

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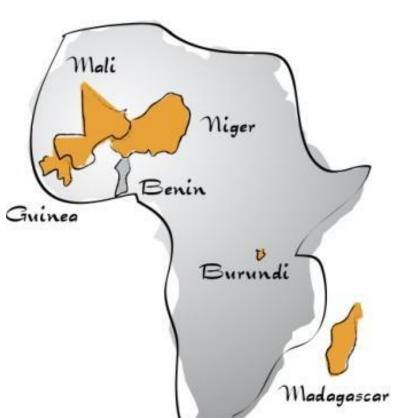






SOLTHIS

A medical international association dedicated to people with HIV/AIDS in Africa



GOAL:

To ensure access to high-quality care to people living with HIV/AIDS

STRATEGY:

- Supporting national coordination bodies for HIV/AIDS care strategies
- Capacity strengthening of local healthcare workers
- 3. Technical improvement of laboratories
- 4. Enhancing drugs procurement and supply chain management
- Developing a data collection and analysis system for all patients monitored

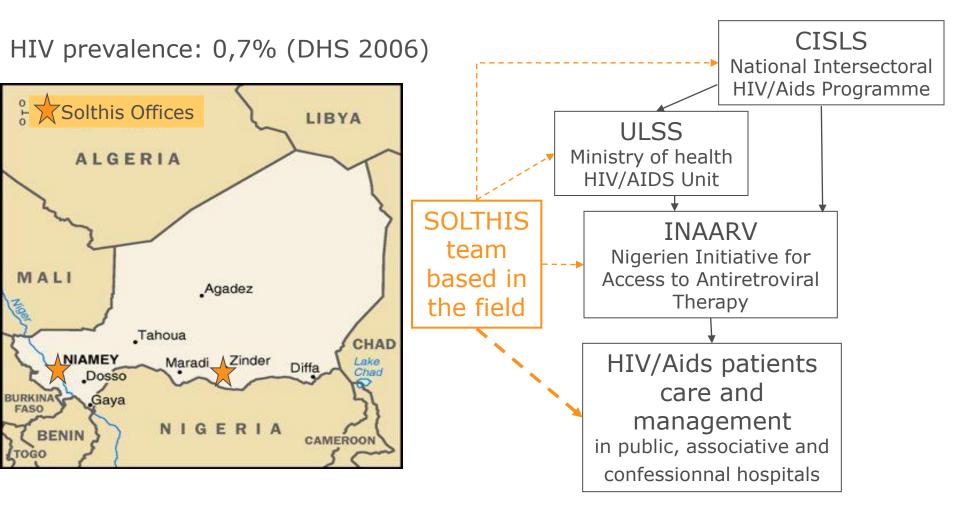








Access to Antiretroviral Therapy in Niger: 2004











Electronic medical record system

WHAT?

- Gathering together data
- Complex system design
- Technical challenge

WHY?

- To improve population health
- To strengthen health system

Essential role in the scale-up of HIV/AIDS management, care and treatment in lower-income countries

Objectives	Levels
Monitoring and evaluation of HIV/AIDS programme	3
Logistic and epidemiologic follow-up	2
Individual patient follow-up	1

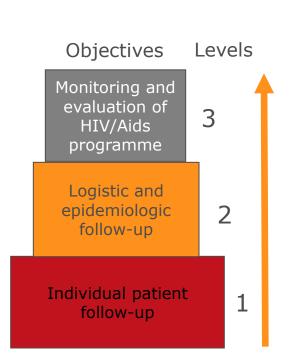








Solthis strategy on EMR system



 EMR system must frame and support the scale-up of the HIV/AIDS care system

- Key elements:
 - System must be part of initial requirements for an efficient HIV/AIDS national programme
 - National outreach
 - Bottom-up approach
 - Practice-driven
 - Patient based
- Aim: HIV/AIDS EMR system is integrated in the National Health Information System with only limited resources









Role of Solthis in designing initial system

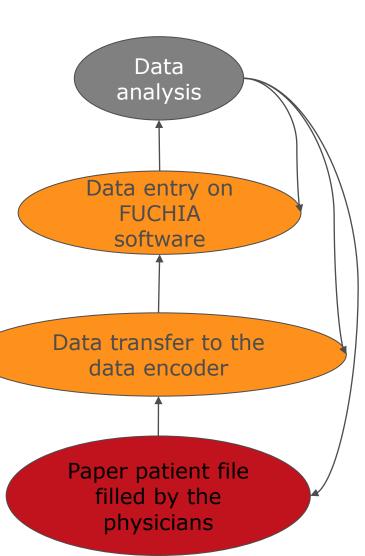
 Advocacy at national level for early integration of M&E competencies into INAARV institutions

 Setting up a vertical centralised information system based on reliable data

Specific interventions at each level of the system





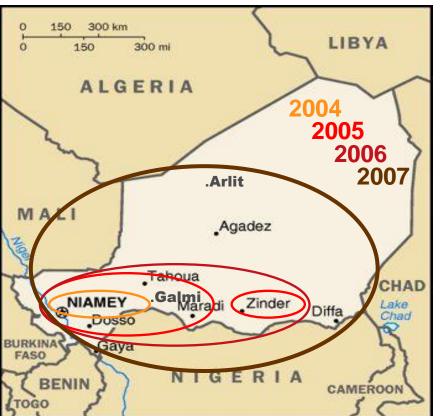




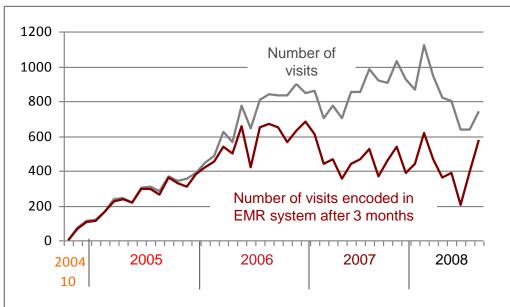








2005 - 2008: Decentralization of INAARV



Solthis' support to this decentralization process:

- -Additional staff
- -Decentralized office in Zinder
- -Lobbying and support for the decentralization of EMR system









2008 - 2009: Scaling-up of EMR system (1)

- > Solthis intervention: organisation of a multidisciplinary workshop
- Objective: to identify the barriers and induce operational improvements to scale up the system
- Outcome 1: Improvement of data collection
 - Patient file revision
 - Stronger involvement of health workers
 - Identification of a more efficient data collection process
 - ✓ Result : Improvement of data quality
 - ✓ Challenge: Insufficient investment from national counterpart in data collection





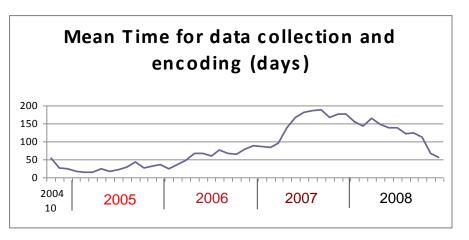


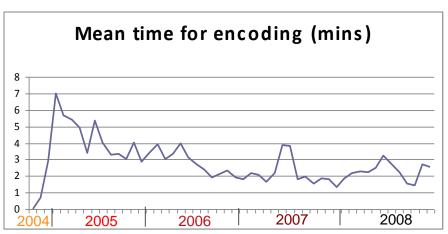


2008 - 2009: Scaling-up of EMR system (2)

Outcome 2: Standardization of data encoding

- Adaptation of Fuchia data entry system
- Training sessions for 15 data encoders
- Elaboration of set of technical support tools
- ✓ Result : Improvement of data entry





- ✓ Challenges: High turn over of data encoders
 - Fuchia software: stand-alone system









2008 - 2009: Scaling-up of EMR system (3)

- Outcome 3: Formal organisation of system architecture
 - Creation of a network of 10 decentralized databases
 - Assignment of responsibilities
 - ✓ Result : Improvement of national outreach
 - ✓ Challenge: Problems with data collection/circulation/entry on certain point of care
- Outcome 4: Definition of a national quality framework for statistics
 - Schedule of national report, supervision and feedback
 - Design of data storing and management
 - ✓ Result : National reports on HIV/AIDS follow-up data produced by Nigerien institutions from November 2008
 - ✓ Challenges: Low capacity of complex analysis
 - Irregular data reliability









Solthis approach

Strengths

- Long-term development approach based on principle of non substitution
- National outreach: design of a single EMR system that fits all environments
- Systemic design: a given data set can be used for multi-purpose information needs
- Bottom-up approach: point-of-care data are used to generate more complete and accurate aggregate reports
- Adaptability to an increasingly complex system

Challenges

- The role of Solthis is seen more as technical support for data management than as a monitoring and evaluation technical referent
- Limit pressure from government and funding agencies to alter data system in order to produce specific statistics









Conclusion

Evolution of EMR system in Niger is promising

- Unified and practice-driven source of information for its national HIV/Aids programme, containing information for more than 5 000 patients
- Can be used from individual follow-up to international standard indicators production

But Niger still faces numerous challenges

Perspective

Perspective to exploit EMR system

- Level 1: To reduce medical errors and to improve patient monitoring
- Level 2: To improve drug supply management
- Level 3: To produce regular national and feedback reports

Perspective to improve EMR system

- Being reactive to the decentralization issues
- Stronger ownership of the stakeholders
- Reducing the data entry lead time
- Regular upgrading of system
- Integration in the National Health Information System

Perspective to evaluate EMR system

Specific outcomes will be measured









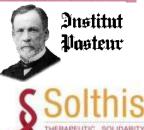
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