



InfCare HIV - a health-informatic tool for improvement of HIV clinical care and research in Africa

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Objectives



- To *adapt* our health informatic tools InfCare HIV and InfCare TB to the Tanzanian setting
- To *implement* InfCare in the clinical care in Muhumbili National Hospital
- To *evaluate* InfCare in catching *clinical data* and transferring them to larger *research* databases



Methods (1)



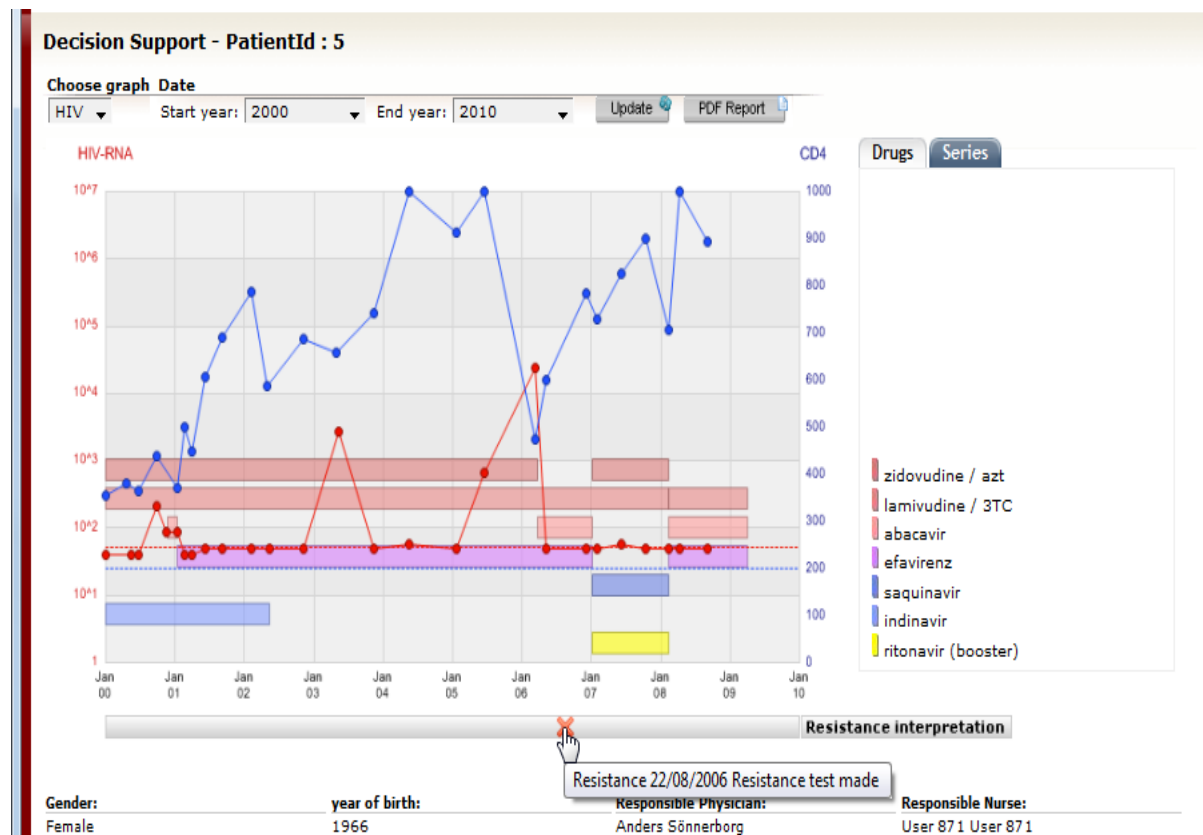
Karolinska
Institutet

Background

InfCare HIV is used in Sweden, Denmark, Iceland, Greenland;
to be introduced in Finland, Norway, Latvia, Russia

Integrated key elements

1. Clinical decision support
2. Quality assurance registry
3. Educational tool
4. Long-distance consultation
5. Research database





Methods (2)



Adaptation, evaluation, and implementation

- Adapt the content and lay-out of InfCare HIV
- Assess local IT-infrastructure in Muhumbili National Hospital
 - can be used in local networks and through internet
- Upgrade on-site IT infrastructure and conduct training activities in order to improve IT data management
- Conduct integrated training activities for the use in clinical practice



Results (1)



Evaluation

- Strategic analysis showed feasibility and potential for benefits
- IT-infrastructure at Muhimbili National Hospital is suitable
 - local network presently; internet usable

Adaptation

- The content of InfCare modified to meet the demands in Tanzania, eg
 - modified social parameters
 - focus on clinical parameters and diseases
 - included WHO staging
 - included local therapeutics



Results (2)

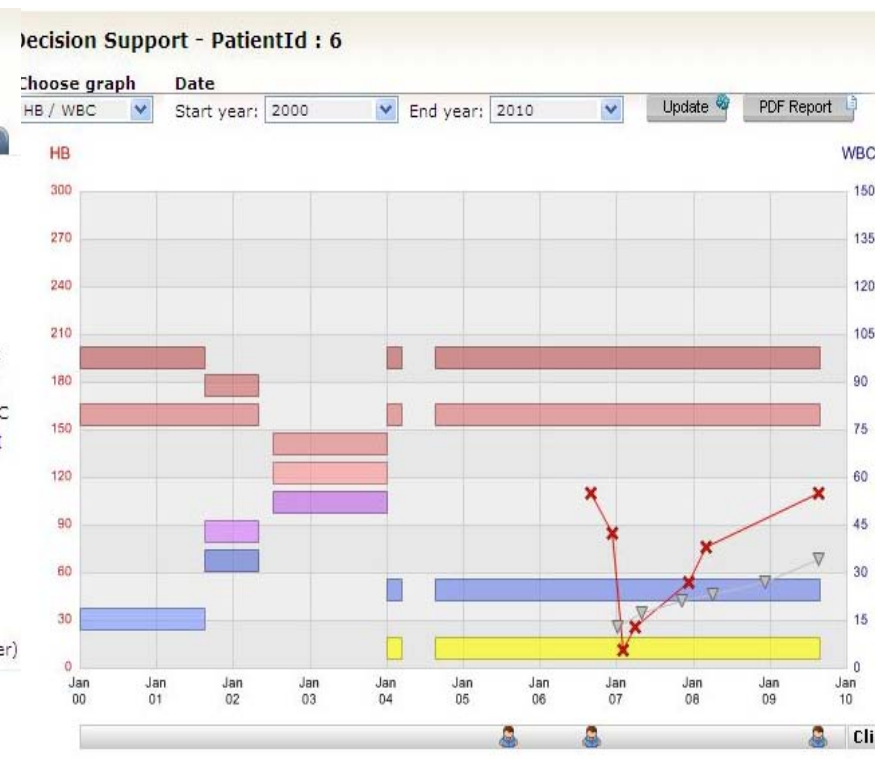


Adaptation, cont.

- Graph lay out modified



weight



HB, WBC



Discussion & Conclusions



- InfCare has the potential to facilitate *clinical HIV care* in Muhumbili National Hospital, eg.
 - increase quality of clinical care
 - pedagogical tool to enhance adherence
 - save time
- Structured and simple transfer of important parameters to the InfCare HIV database into *an R&D context* creates new opportunities for doctors to contribute to clinical HIV research of Tanzanian patients
- Synergistic effects in clinical trials performed in Africa can be obtained by cross-border systems, such as the adapted InfCare HIV



Future perspectives



- Implementation of InfCare HIV in further countries is discussed
- Health informatic tools, such as InfCare HIV, have the potential to contribute both to clinical care and cross-border clinical research
- InfCare HIV as the potential to be used in long-distance consultations in HIV care
- InfCare TB will be launched 2010 and is easily integrated with InfCare HIV into one system