INCREASE YOUR HOSPITAL’S Profitability, Efficiency, and Quality Of Care Effortlessly.

...transforming your hospital through information technology
The All Purpose Medical Information System (APMIS) is a connected healthcare platform which provides a simple means to capture, store, exchange as well as utilize healthcare data easily and securely in an affordable low cost (cost effective) manner using information technology. It solves problems associated with data, information, and knowledge for hospital owners, healthcare professionals, care givers, patients, government, health maintenance organization and other healthcare stakeholder.

APMIS is more than just an electronic health records (EHR) system or a hospital management software (HMS), it is an innovative Health Information System (HIS) that connects all stakeholders together on a single platform to harness the value that is inherent in a connected healthcare network either for health service delivery, education, research or administration.

APMIS consist of twenty one (21) modules focused on clinical care namely user management (inclusive of human resource module), setup, health records, clinic management, ward management, clinical documentation, pharmacy, laboratory, radiology inclusive of a PACS and RIS, inventory (inclusive of medical consumables), telemedicine, payment (e-payment), health insurance, communication (sms, email, voice calls and intra-application alerts), theatre, immunization and blood bank.

It is developed using international standards such as ICD 10 cm, ICD 10 PCS, LOINC, SNOMED CT, ICPN, RxNorm, openEHR etc. It is extremely user friendly with great user experience.

APMIS empowers the patient by ensuring that the patient or client is able to enjoy continuity of care irrespective of the health institution
or entity that provides that care whether it is a rural hospital, a private facility, a state general hospital or a tertiary hospital in the city center, to an international consultation. It provides for the patient access to a lifelong medical record while promoting real time multidisciplinary care provision. It helps hospital owners and managers increases profitability significantly, reducing operational cost and overheads while improving significantly the quality of care and patient satisfaction with service delivery and increasing efficiency of care process.

APMIS solves health information needs irrespective of location on the value chain as patient, clinician, hospital manager, state government or even the ministry of health. It is built to scale up to be a national health information system platform. It is wholly 100% indigenous application built by medical personnel to solve healthcare information challenges in low resources environment such as Nigeria. APMIS is modular and can be configured for various health delivery enterprise such as primary and secondary hospitals, pharmacy, laboratory, imaging center or blood banks etc.

APMIS would also allow health institutions and patients to be connected to Nigeria finest and best health care institutions and have access to expert consultant in the country or even an international expert consultation irrespective of the health facility’s geographical locations. APMIS is offered free of charge and a subscription based model for support and implementation to help lower the barrier to transforming your healthcare delivery organization. We are currently implementing successfully in Nigeria largest and most complex health Institution, University College Hospital (UCH) Ibadan, which has an annual patient load of over 165,000 outpatients across 12 outpatient clinics and over 14000 inpatient admission in 45 wards as
well as various private healthcare facilities in South West Nigeria. We have also been recently engaged by Tristate Cardiovascular Institute, Delaware, USA for their chain of hospitals in the country.

Resources
Website: www.sabaothtechnologies.com
Video: www.youtube.com/user/Apmis/videos
Linkedin: www.linkedin.com/in/simpadania
Brochure: www.sabaothtechnologies.com/transform.pdf
Demo: his.sabaothtechnologies.com
OUR GOAL

Our goal is to help transform your hospital through Information Technology by implementing successfully a cost-effective integrated Electronic Health Information System to achieve the following:

1. **PATIENT CARE**

Make your hospital more patient friendly and improve quality of care.
   a. Reduce drastically the processes it takes to enjoy services in your hospital.
   b. Reduce the necessity for patient or patient relatives to walk back and forth in order to receive care or services.
   c. Increase and improve the feedback system for patient interaction with the hospital, your patient complaints are easily identified and tackled efficiently.
   d. Enable and encourage electronic payment in order to improve transparency and increase revenue generation and reduce cash handling within the hospital.
   e. Enable payment at points of service within the hospital, as well as ability for patient relatives in the Diaspora or outside the hospital to make payment for services directly.
   f. Drastically reduce time wasted in “waiting” to enjoy services in your hospital.
   g. Enhance the health seeking behavior of patient through efficient and effective health education.
   h. Provide international consultation for your patients within your hospital.

2. **STAFF WELFARE**

Make your hospital the best hospital to work in and improve efficiency.
   a. Provide workers with easy access to required information to perform duties efficiently and effectively in the hospital.
   b. Improve communication between patients, administration and staff.
   c. To implement a solution that enables a transparent, performance driven work environment.
   d. Provide feedback mechanism on outcome of work performance especially for clinical staff.
   e. Provided decision support tools to aid improved performance outcome
   f. Ensure only the optimum number of staff is employed.
   g. Provide on-premise continuous professional development for all employees
Management: Make your hospital easy to manage and increase profitability.

a. Increase revenue through multiple income streams.
b. Decrease expenditure and wastages
c. Provide mechanism to monitor input, output and processes of the hospital services.
d. Provide mechanism to implement and monitor staff performance of activities.
e. Reduce the paper work and processes required to manage the hospital.
f. Provide remote monitoring for activities and processes within your hospital
g. Improve revenue collection cycle as well as significantly reduce pilferage.
h. Reduce overhead expenses and payroll burden.
i. Increase patient satisfaction and word of mouth recommendation for your services.
j. Showcase advancement in the hospital as well as increase the reputation of your hospital in your environment, nationally and worldwide.
k. Become the healthcare provider of choice
OUR APPROACH

We believe a holistic approach to transforming your hospital is critical. A synergy must exist through between the people, processes, technology and environment. The approach would be to tackle issues that arise at the various service points of the hospital. Our solution not only addresses the internal service point but also integrates with your external service providers e.g pharmacy, diagnostic centers, imaging centers, HMOs etc.

The following key service points and the key deliverables of their solutions include:
1. HEALTH RECORDS/ REGISTRATION
   a. Decentralized registration
   b. Your hospital branded smart health card with barcode, biometrics etc
   c. Digitized old case notes and records.
   d. Search and locate Patient system.
   e. <30mins registration process

2. CLINICS MANAGEMENT (WITH APPOINTMENT SCHEDULING)
   a. Electronic Clinic Patient scheduling system
   b. Computerized Physician Order system
   c. Access to electronic investigation reports.
   d. Ability to scan in consultation documentation initially and then direct data capture subsequently or alternatively utilize Dictaphone system.
   e. Ability to monitor clinical work/performance of medical staff.
   f. Ability to generate various clinic based report including health outcome and clinical audit.

3. CLINICAL DOCUMENTATION
   a. Clinician driven clinical documentation system that facilitates speedy data entry as well as avoiding misspelling using international dataset for documentation.
   b. Computable Clinical data

4. LABORATORIES
   a. Computerized Physician Order system with access to electronic investigation report (e-lab system) and integration with third party diagnostic facilities.
   b. Computerized laboratory system.
   c. Process notification and monitoring system.

5) PHARMACY
   a. Electronic prescription system with decision support tools such as BNF and risk mapping tools.
   b. Computerized pharmacy system with scheduled refill system.
   c. Ability for patient to pay for drugs at point of encounter and drugs delivered to them or at a single collection point
   d. Ability to effectively monitor pharmacy inventory and audit real time.
6. THEATRE
   a. Electronic Theatre management system.
   b. Remote monitoring of theatre operations and processes
   c. Electronic post-op orders and operation notes.
   d. Ability to perform system and clinical audits for theatre.
   e. Performance monitoring of staff activities in theatre.
   f. Access to imaging and laboratory results as well as full clinical records on large screens in theatre.
   g. Availability of Telemedicine service from theatre.

7. RADIOLOGY
   a. Computerized Physician Order system with access to electronic investigation report and images online (Hospital wide Picture Archival and Communication System(PACS) and Radiology Information System).
   b. Computerized Reporting system.
   c. Process notification and monitoring system.

8. WARDS
   a. Electronic Ward management system with computerized patient health records
   b. Computerized nursing reporting system
   c. Remote patient monitoring devices
   d. Slate type computing devices for data access
   e. Bar-coding and RFID tagging for patient identification and electronic time tamping.

9. BLOOD BANK
   a. Computerized Physician Order system with access to blood bank inventory
   b. Computerized data collection system.
   c. Process notification and monitoring system.
   d. Online search and order system

10. STORES AND SUPPLIES (INVENTORIESYSTEM/MEDICAL CONSUMABLES)
    a. Computerized Inventory System
    b. Bar Coding and RFID tagging for real time resource location and tracking
    c. Computerized logistics and supplies system.
11. PAYMENT
   a. E-payment POS installed at various service points.
   b. Accept payment online and offsite as well as international payment for services.
   c. Portal for monitoring real time payment transaction of the hospital.
   d. Easily integrate with your banking platform

12. HEALTH INSURANCE
   a. Electronic real time authentication, authorization, encounter records:
   b. Billing and Payment: Automated multi-policy, multi HMO electronic billing/invoicing system as well as ability to receive electronic payment from HMO.
   c. Integrated Health insurance module:
   d. Speedy billing and invoicing cycle.
   e. Increased revenue and better and faster management of health insurance patients.

13. TELEMEDICINE
   a. Access to healthcare personnel and resources world wide
   b. Increase income and multiple income streams
   c. Increased knowledge base and quality of care
   d. In house continuous professional development

14. COMMUNICATION
   a. SMS notification and alert system
   b. Voice telephony, alert and notification system
   c. Email address for all staff
   d. Reliable internet service
   e. Revamped website with patient portal

15. USER MANAGEMENT
   a. inclusive of human resource module and payroll management.
   b. Electronic registration of all entities within your hospital
   c. Role base and roaster based control and access privileges
   d. Privacy control
   e. Audit trail od system usage

16. RESEARCH AND DATA EXCHANGE MODULE
   a. Connect data to third party application such DHIS, accounting packages etc
   b. Partake in clinical trials and conduct research
   c. Provide business intelligence and insight into your practice etc.
17. SETUP MODEL
   a. This module is responsible for replicating your hospital in electronic format, your location, service areas, departments, etc and configures the application for your workflow.

18. PATIENT PORTAL
   a. Allows patient to engage with the hospital and clinicians within and outside the hospital.
   b. Provides avenue for self service and a communication portal for patients

19. IMMUNIZATION
   a. Setup, track and monitor immunization schedules
   b. Create a central immunization registry
   c. Monitor vaccine state

20. LABOUR WARD/MATERNAL AND CHILD HEALTH
   a. Manages pregnancy and birth related care for mother and child
   b. Send health seeking behavioural change messages "sms4pregancy" to augment the motherhood journey
   c. Includes pediatric growth chart etc.

21. CLIENT CRM
   a. Manage your hospital’s interactions with current and future clients.
   b. Organize, automate and synchronize marketing, customer service, and client support.
   c. Automate sending notification for anniversaries etc
HOSPITAL IMPLEMENTATION INFORMATION REQUIREMENT

Dear Sir/Ma,
In order to offer you the lowest cost for your hospital, we need the following information. Please use one sheet per hospital you oversee. Please fill, scan and send to solutions@sabaothtechnologies.com or call 0807 680 001 to schedule a pickup or fill online at www.sabaothtechnologies.com/form

Hospital Name:
Address:
Website:
Expected commencement date:

1. In the hospital, how many:
   a. Wards:
   b. Consulting rooms:
   c. Pharmacy:
   d. Labs:
   e. Theatre
   f. Blood bank:
   g. Payment points:
   h. Average yearly Registration:
   i. Total number of beds:
   j. Total Registered patients:
   k. Average monthly outpatient
   l. Average monthly inpatient admittance:
   m. Radiology equipment (Type/Number):

2. Is your facility NHIS registered:

3. List top 5 HMO registered with whose clientele you serve:
   a.
   b.
   c.
   d.
   e.

4. What percentage of your clientele is cash paying:

5. What percentage of insurance is fee for service versus capitation:
6. Description of hospital building: bungalow / multiple floors / multiple buildings

7. Number of buildings x floors:

8. Availability of building plan: Yes/No

9. Do you need independent power supply/support for 24x7 power?:

10. Total Number of clinical staff:
   a. Doctors:
   b. Nurses:
   c. Pharmacist:
   d. Other clinical Staff:

11. Maximum total number of clinical staff per shift in hospitals:
   a. Doctors:
   b. Nurses:
   c. Pharmacist:
   d. Other clinical Staff:

12. Total number of Admin staff:

13. Total number of Support staff:

14. Dedicated IT support staff: In-house or outsourced

15. Chief Medical Director name:
   a. Phone number:
   b. Email:

16. Lead IT Officer Name:
   a. Phone no:
   b. Email:

17. Distribution/nomenclature of wards per floor:
COSTING

Costing is spread across the following cost centers
1. Users: engagement, assessment, training, support, monitoring, evaluation and certification.
2. Hardware: client devices (laptops, slates), server, biometric devices, scanners, printers etc
3. Software: All Purpose Medical Information System (APMIS), Microsoft applications etc.
4. Network: wired and wireless
5. Power: inverter, solar, hybrid systems, UPS etc
6. Digitization of paper records
7. Consultancy: Project management, human resources etc
Total cost dictated by hospital size, patient traffic and number of personnel.

CONCLUSION

We believe implementing this system would transform your hospital significantly and fulfill the stated objectives in making your hospital a patient friendly hospital, the best place for healthcare workers to work in and easy for your management to administer the hospital effectively while at the same time increasing your profitability, improving efficiency and increasing the quality of care offered to your patient.

Thank you

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