

# THE COMMUNITY HEALTH UNIT DATABASE 1.0



## THE COMMUNITY HEALTH UNIT DATABASE NETWORKING SYSTEM - **CHUDATS.NET**

SIMPLE SYSTEM SPECIFICS PRESENTATION

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# LOGO Presentation



*Full name of web portal:*

**Community Health  
Units Database  
Systems Network**

*Abbreviation:*

**CHUDATS**

*Portal domain:*

**chudats.net**

*Full name of mobile App:*

**Heal the Sick**

*Implementation Language [CMR]:*

**English and French**

**OFFICIAL LOGO**



# CHUDATS Brief Introductory Points

## 1) HISTORY

- Initially conceived in 2011 with an ambitious zeal to support Cameroon's 2035 development vision, promote e-governance and transform community health care delivery units and operations for extensive accessibility. Later selected as an innovative development need with a take-off country (Cameroon):

<https://healthmarketinnovations.org/program/community-health-unit-database-networkingsystems>

- Presented at the 2013 6th Session of UN OWG/SDGs 2013, thematic focus on Health and Population Dynamics.

<https://sustainabledevelopment.un.org/getWSDoc.php?id=2088>

- 2021: interactive exchanges with MAHSRA working group of Bamenda regional hospital.
- 2022 : software development process with MAHSRA and Indian TECH teams.

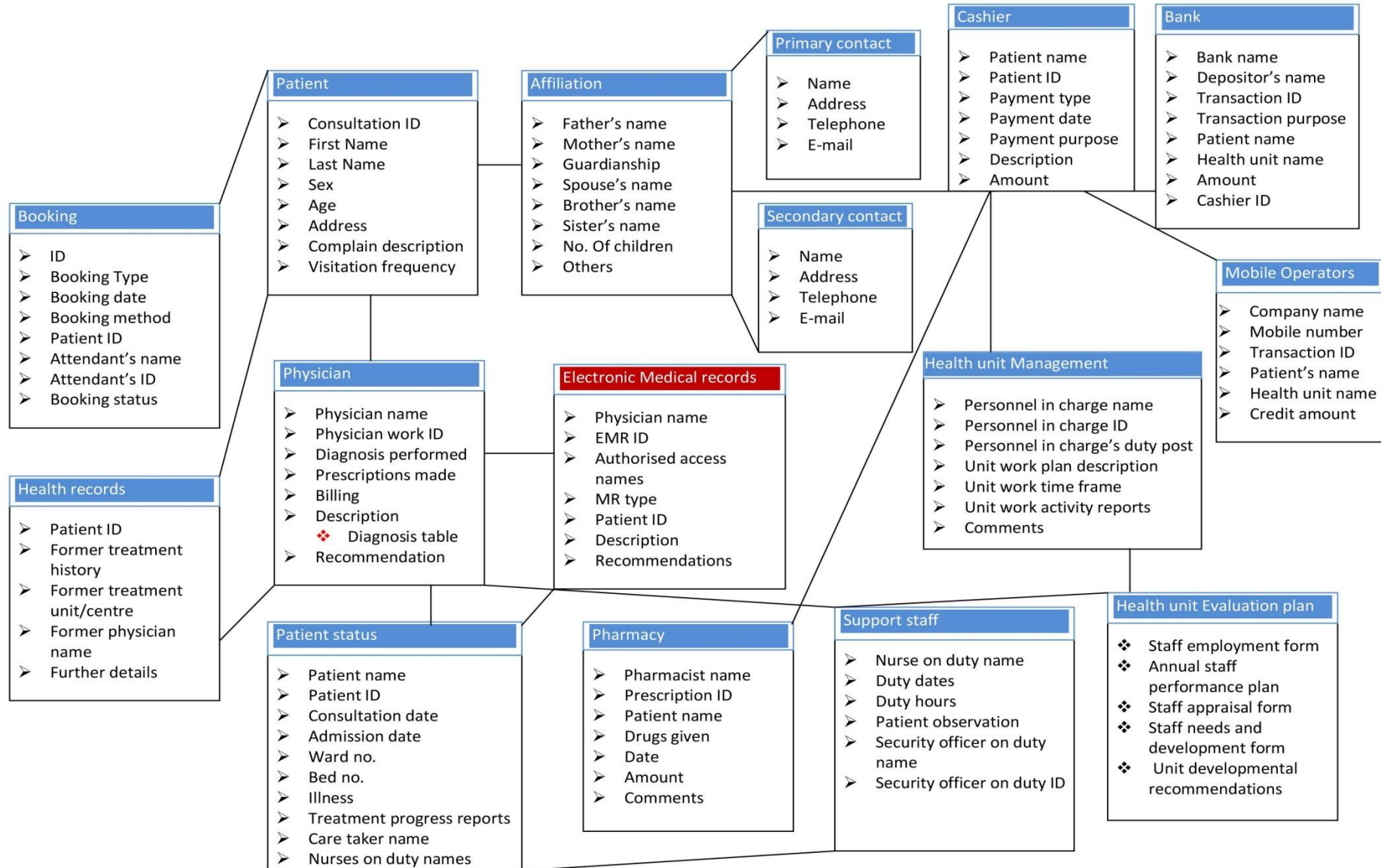
## 2) INNOVATION

- ✓ Instituting universally unique patient and health structure identification codes.
- ✓ Instituting a non-liquidable healthcare currency for assisting health structures and patient's in need.
- ✓ Instituting a universally scalable digital health management system with diverse integration options.

# THE COMMUNITY HEALTH UNIT DATABASE 1.0 PREVIEW

## Community Health Unit database 1.0

Saturday, 08 October 2011 - MAHSRA



# Health Unit Database Activity



## Patient Centered Care

- Registers new consulting patients/persons and inputs/keeps their healthcare data into the database.
- Apportions unique patient identification codes and global e-consultation cards.
- Provide public access for consented patient's health credit obtaining.

## Health Unit/Hospital Management

- Provides health personnel management data access and evaluation follow-up.
- Provides CHUDAT management privileges for receptionist, physician/doctor, accountant and general management.
- Provides health unit/hospitals inventory management and accountancy.
- Provides public access for health unit's/hospital's distant assistance gaining.

## Digital Healthcare Records, Insurance and Networking Base

- Provide a medium for receiving and keeping health credits for patients and health unit/hospital.
- Provides the ground base for healthcare exchanges between different other healthcare units / hospital.
- Serves as major database patient care information obtaining source for CHUDATS

# CHUDATS.NET



The **COMMUNITY HEALTH UNIT DATABASE SYSTEM NETWORK** is useful in three major ways accordingly:

## 1) **Inter-Health Units Communication and Management**

- Health Data (EMR and EHR) exchanges between group health units;
- Administrative logins for accessing general health statistics at district, regional, national levels;
- Provides a cloud back-up for health units' database info vitals; and
- For accessing and updating patients' medical records by approved health units' staff.

## 2) **The Patient Health Data Bank Access**

- Provide patient's login access to his/her medical records and health credit transactions;
- Provides patients' access to make complains over medical history inconsistencies or errors;
- Provides Health Units quick access to patients' medical records.

## 3) **Super admin Controls and Management**

- Oversees the entire transactions among health units within CHUDATS.
- Provides corresponding health checks and corrective recommendations to all users .
- Provides annual permissions for continues network usage to complying health units.
- Coordinates and effects all involved health units payments through their supplied details.
- Coordinates users complains and beneficiary health units' aid usage compliance.

# HEAL THE SICK – MOBILE APP



## Brief Functional Usages

### 1) For CHUDATS:

- ✓ Provides user accounts for donors or supporters of the CHUDATS projects and patient health credits.
- ✓ Provides user access to donate or support other humanitarian health issues posted.
- ✓ Provides facilitated access to consented health units and patients needs requiring public support.

### 2) Direct Doctor/Physician to Patient Contacts :

- ✓ Provides profiling database for approved health practitioners or doctors.
- ✓ Provides online health check appointment booking and consultations.
- ✓ Provides online drugs prescription or reminders and follow-up signals.
- ✓ Provides other e-health management control opportunities.

# HEALTH CREDITS MANAGEMENT



## 1) Patient Health Credits (Category A)

- Generated by patient consent and summary health status published for public appraisal.
- Generated by an emergency alert button for consented life saving emergency cases.
- Reflected on patient's health credit dash board/card under public support category.
- Debited at the accountable discretion of the Health Unit/Hospital.
- Cannot be converted to cash but can be transferable to similar patients' health issues in need.

## 2) Patient Health Credits (Category B)

- Made via patient consent and summary health status published for private user support.
- Credited by patient, close relationship and third parties with particular patient's interest.
- Debited through patient consent, cannot be converted to cash but can be transferable to third party beneficiary patient as indicated by principal patient or private supporter.

## 3) Health Structure Credits

- Made via Health Structure's publication of its institutional needs requiring public support.
- Credited by all users and non-users through the various payment methods.
- Provides feedback button request option and warrants health unit's institutional head to provide aid usage report feedback.



# PATIENT HEALTH DATA TRAIL



## **A. For Health Unit/Hospital Usage**

- Provides quick printable access to patient medical records with updating/synchronizing possibilities after new consultations in any new CHUDAT health institution.
- Automatically synchronizes all health database information updates and provides quick, unique and coherent access to individual medical records at all permitted levels.

## **B. Health Assistance Accountability Measures**

- Provides modern health aid usage digital accountancy and evaluation mechanisms.
- Provides an internal health credit making insurance measure for direct and accountable management of patients' and hospitals' third party support resources.
- Provides an easy distant monitoring and evaluation of patient care and health institutional management modalities.

## **C. Health Statistics Generation**

- Anonymously reassembles categorical diagnoses of diverse health issues including diseases and infections, child birth and death rates, vaccination coverage, etc.
- Rearranges data presentation tables for health issues statistics processing and reports by dates/periods, causes, ages, treatments, physician recommendation notes etc.

# Patient Data Protection and Privacy Concerns



## **A. At the Level of Individual Health Units Database Storage**

- ✓ All newly instituted patient consultation identification details are kept strictly confidential between the health institution and the patient;
- ✓ All patient medical health history is only trailed with patient's unique identification code;
- ✓ Access to patient's EMR is only possible through authorised and logged-in personnel

## **B. At the Level of Re-consultations within Diverse System Health Units**

- ✓ Patient re-consultation and EMR history access is only possible with patient's consent and the presentation of his/her unique identification code;
- ✓ Updated EMR is automatically synchronised within our very secured VPS web-portal;

## **C. At the Level of Health Administrative Access to Statistics**

- ✓ Health statistics is only permitted through approved and authorised logged-in accounts of district, regional and national health administrative authorities and/or other concerned stake holders;
- ✓ Administrative level access to health statistics (EHR) is conducted in anonymity to patient IDs

## **D. At the Level of Soliciting Public and Private Health Credits Support**

- ✓ In strict conformity with above mentioned categories A, B and C healthcare credits management rules.

# Other Security & Data Protection Considerations



- CHUDATS is designed to operate in the likelihood of secured inter-banking systems wherein a unique patient identification is the only key to access and/or edit patients' EMR.
- EMR within CHUDATS is as a principle neither accessible to the public nor other system user health administrators.
- Patient EMR is only accessible to approved logged-in user personnel within registered and active health structures of the system.
- EHR statistics void of patient personal ID details, is only accessible to registered, approved and logged-in health administrators.
- Highly secured account registration and logging-in procedures are ensured at all levels.
- Payments for health credits donations are processed through highly secured API processes of third party financial institutions.
- Only CHUDATS non-liquidable currency (heal coins, heal cash, heal cowries) reflections are processed within the system.

# CHUDATS User Benefits



## 1) For Identified Patients

- Add, receive, transfer and/or save health credits within patients heal cash wallets for healthcare bills settlements.
- Easily recognised within any health unit in the system for rapid diagnosis and treatment.
- Be able to monitor self-healthcare history and make most appropriate decisions for treatments.

## 1) For Registered and Active Health Structures

- Able to receive, transfer, use or save patients' public health credits against health bills settlements.
- Able to build individual health structural needs projects and receive public support for realisation.
- Able to communicate between sister or grouped health units for expertise and experience exchanges.

## 1) For Registered and Active Health Administrators

- Able to access and monitor categorical and strategic health data statistics of concerned jurisdictions.
- Able to communicate with all registered health structures of concerned jurisdictions.

## 1) For Third Party Users and Donors / Supporters

- Able to access summary information of patients and health structures in need.
- Able to make direct donations to patients' and health structures' heal wallets and receive feedback.
- Able to search and make direct consultations with approved medical professionals.

# CHUDATS SCALABILITY



- A. Provide most modern EMR and EHR e-management system for direct dynamic exchanges between health units and other psychosocial healthcare institutions.**
- B. Consistently beef-up dynamism in health unit management and network follow-up.**
- C. Provide proactive response to patients and health institutional issues.**
- D. Provide API integration options for modern third party health units/hospital applications for ascertaining health institutional management leadership.**
- E. Consistently stay ahead of the health market services provider competition.**



**Thank You for the Diligent  
Attention**

**You Have Just Previewed the  
brief description of CHUDATS  
version 1.0**

# CHUDATS Inventor (Dr Kelly NGYAH), Global Award Top Leader for Mobile Application Interactions at UN Geneva Peace Week

