



# Field Medical Record

# Objective



- Our objective is to create a digital Field Medical Record that brings real value in the field:
  - supporting **first responders** at an Advanced Medical Post,
  - serving the **CGDIS medical staff** in their operations,
  - forming the **foundation for the NATO medical card**, and
  - acting as the **primary test record for BFAST**.
- A Field Medical Record is a patient medical file created and maintained outside the hospital environment, typically during the prehospital or tactical care phase, such as at the Point of Injury (POI), within a Casualty Collection Point (CCP), an Advanced Medical Post (AMP), or during medical evacuation between echelons of care.
- The record contains essential information on the patient's condition, diagnosis, treatments administered, medical interventions performed, and decisions regarding triage, evacuation, and handover.
- The Field Medical Record ensures continuity of medical information between the initial medical response and the definitive Hospital Medical Record (HMR).
- In a military context, it may correspond to a Field Casualty Card (FCC) or Tactical Evacuation Record, while in a civil or disaster medicine context it is equivalent to a Prehospital Patient Care Report (PCR).
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# Non-Functional Requirements



- Access Rights
  - The system shall implement access control based on defined roles, with permissions explicitly linked to those roles.
  - User identification shall be performed by means of a password.
  - As the system processes medical data, appropriate safeguards and precautions shall be applied to ensure confidentiality, integrity, and compliance with relevant regulations.
- Visibility
  - The application shall be designed with sufficient visibility to ensure usability under varying light conditions. It shall remain fully operable for medical staff in both bright sunlight and complete darkness.
- Modularity
  - The application shall be designed with a highly modular architecture. Modules shall be capable of being activated or deactivated by the administrator in accordance with operational needs.
- Configurability
  - For each type of user and/or customer, screens shall be configurable by leveraging the available modules.

# Non-Functional Requirements (2)



- Data Transfer Security
  - All data transfers shall be secured and encrypted to ensure confidentiality and integrity of medical information.
- Interoperability
  - The system shall operate primarily on a tablet (Android or iOS).
  - Data entered on the tablet shall be stored locally.
  - The system shall support transfer of this data to a central system via network connectivity.
  - If network connectivity is not available, data transfer shall be possible via USB.
  - The central system may be either cloud-based or hosted on a local server.
- Data Exchange
  - The system shall support the exchange of data with a variety of external services, including (but not limited to) the WHO, local hospitals, and governmental authorities.
- Print Capability
  - The system shall always provide the ability to generate and print the medical record, allowing it to be handed over to the patient when required.

# Non-Functional Requirements (3)



- Printed Document QR Code
  - Each printed document shall include a QR code that allows the associated medical report to be quickly retrieved.
- International Standards
  - As the system shall be deployable internationally, it shall make use of widely adopted standards, including (but not limited to) the medical standard FHIR R7.
- Multilingual Support
  - As the system shall be deployable worldwide, it shall provide support for multiple languages to accommodate both medical staff and patients who speak a variety of languages.

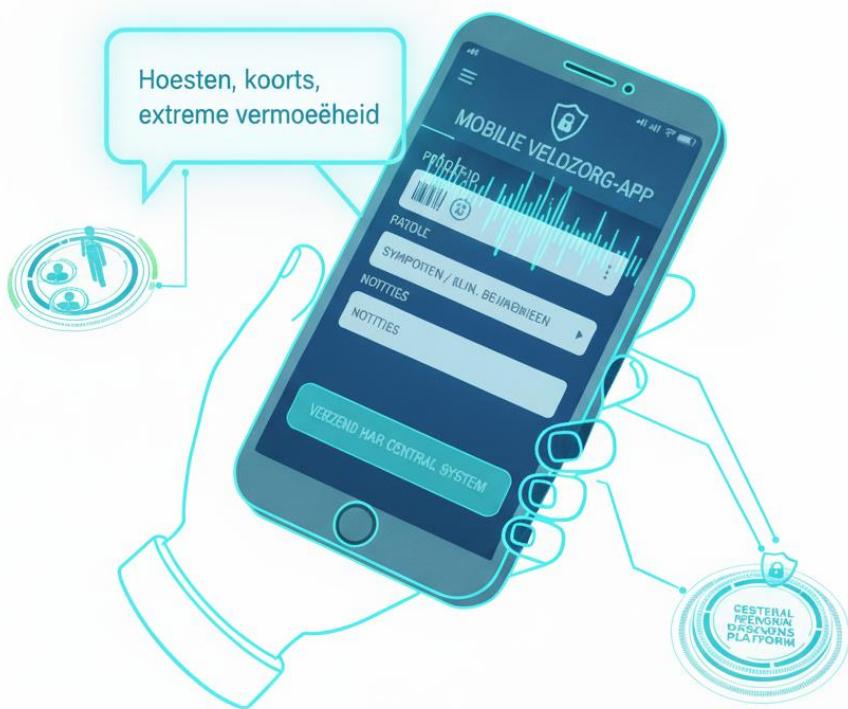


# The Application

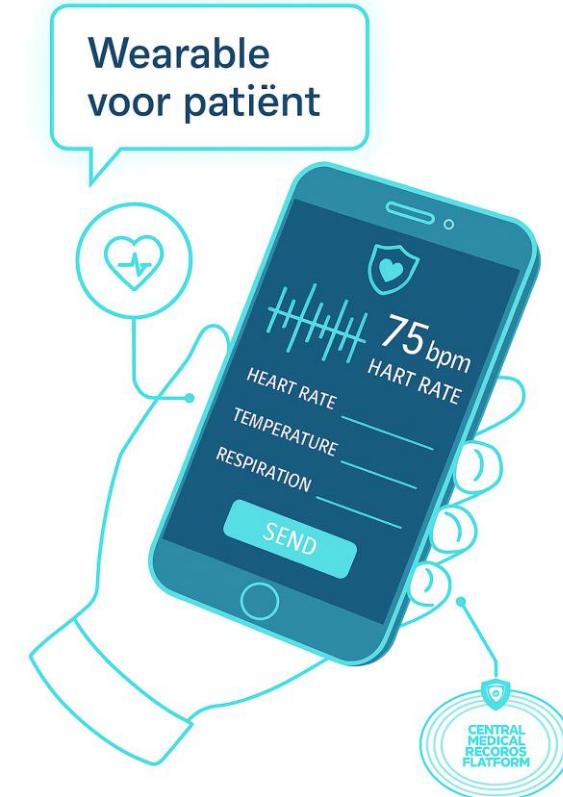
# Medische Applicatie



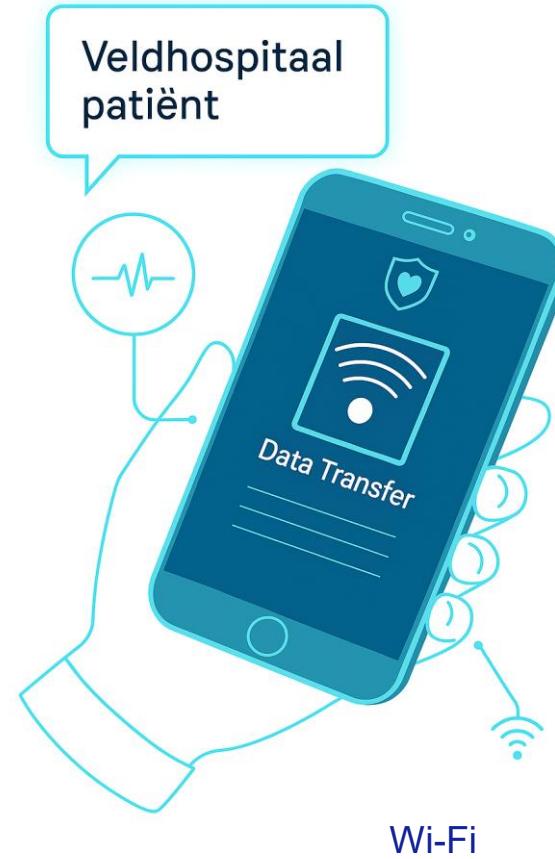
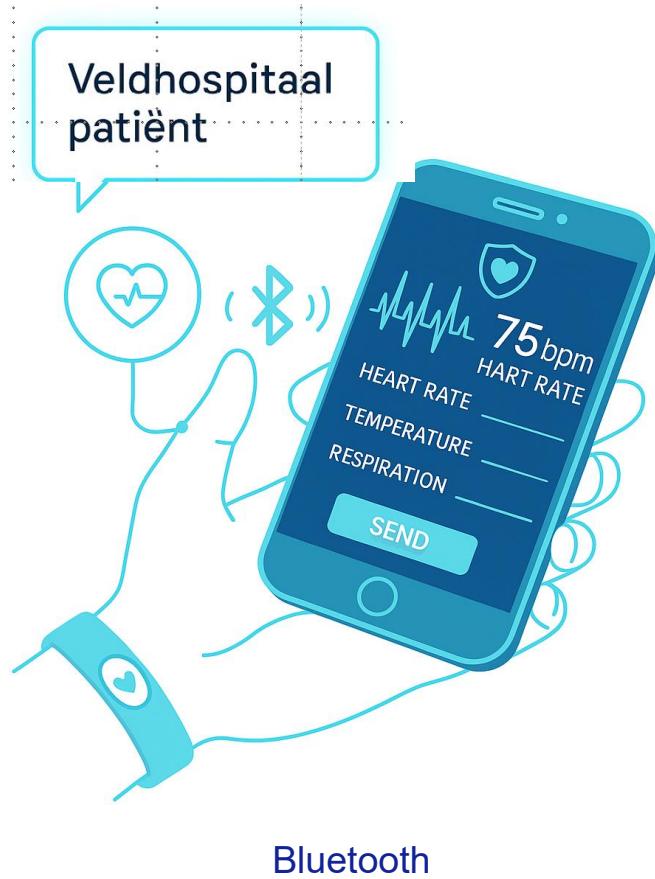
# Medische Applicatie - Input



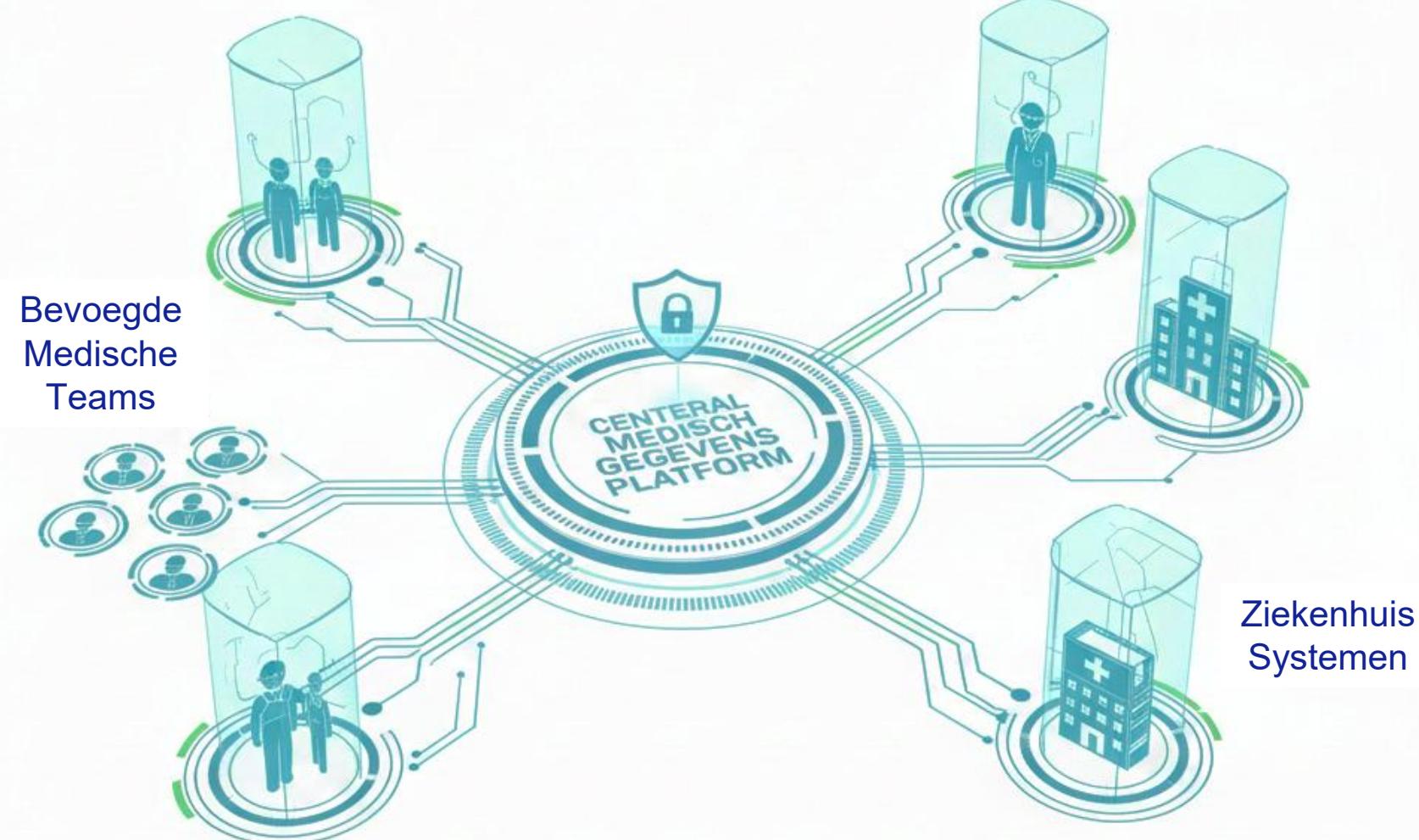
Bevoegde  
Medische  
Teams



# Medische Applicatie – Data transfer



# Centraal Platform





# Modularity

# Modularity



Registration In



Additional Information



Transport Information



Registration Out



Contamination



Quick Diagnoses  
ABCDE



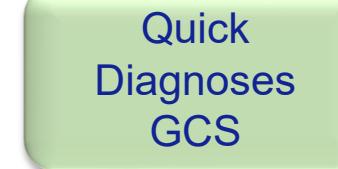
Trauma Basic



Interventions  
Performed



Vital Signs



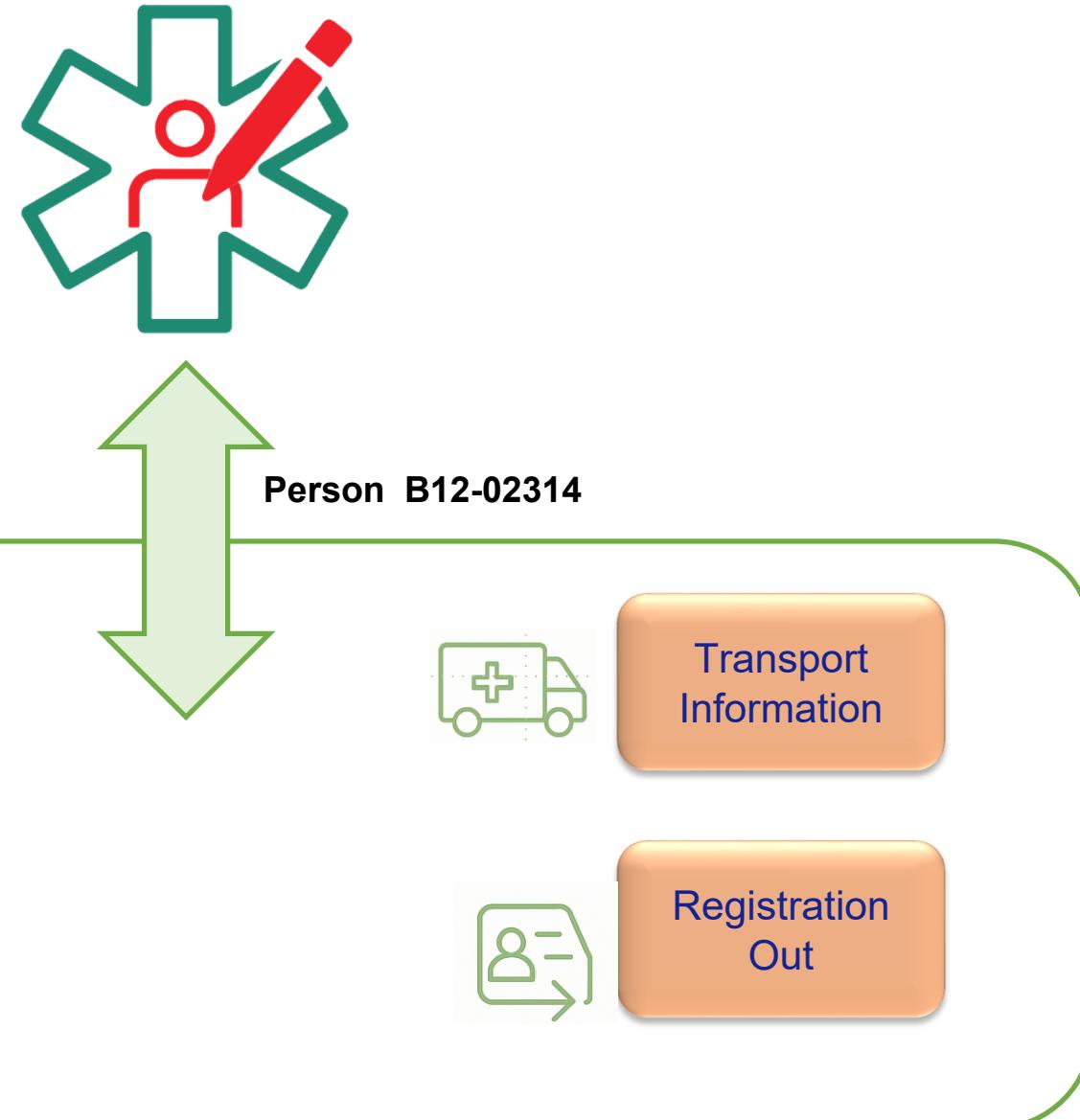
Trauma Detail

Trauma  
Manikin



Treatment Log

# BITS - Integration



# Medical Information



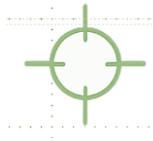
Person B12-02314



Contamination



Quick  
Diagnoses  
ABCDE



Trauma  
Basic



Interventions  
Performed



Vital  
Signs

Quick  
Diagnoses  
GCS

Trauma  
Detail

Trauma  
Manikin



Treatment  
Log



X

BPREPARED



## AMP Settings

Registration



Additional information



Contamination



Quick Diagnoses



Trauma



Interventions already performed



Vital Signs



Treatment Log



Transport information



Registration Out



English ▾



BPREPARED

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Manage users



Manage AMP Modularity



Manage incidents

