



# Cisco Connected Health vision



**Med e Tel**

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# State of Healthcare

## Challenges

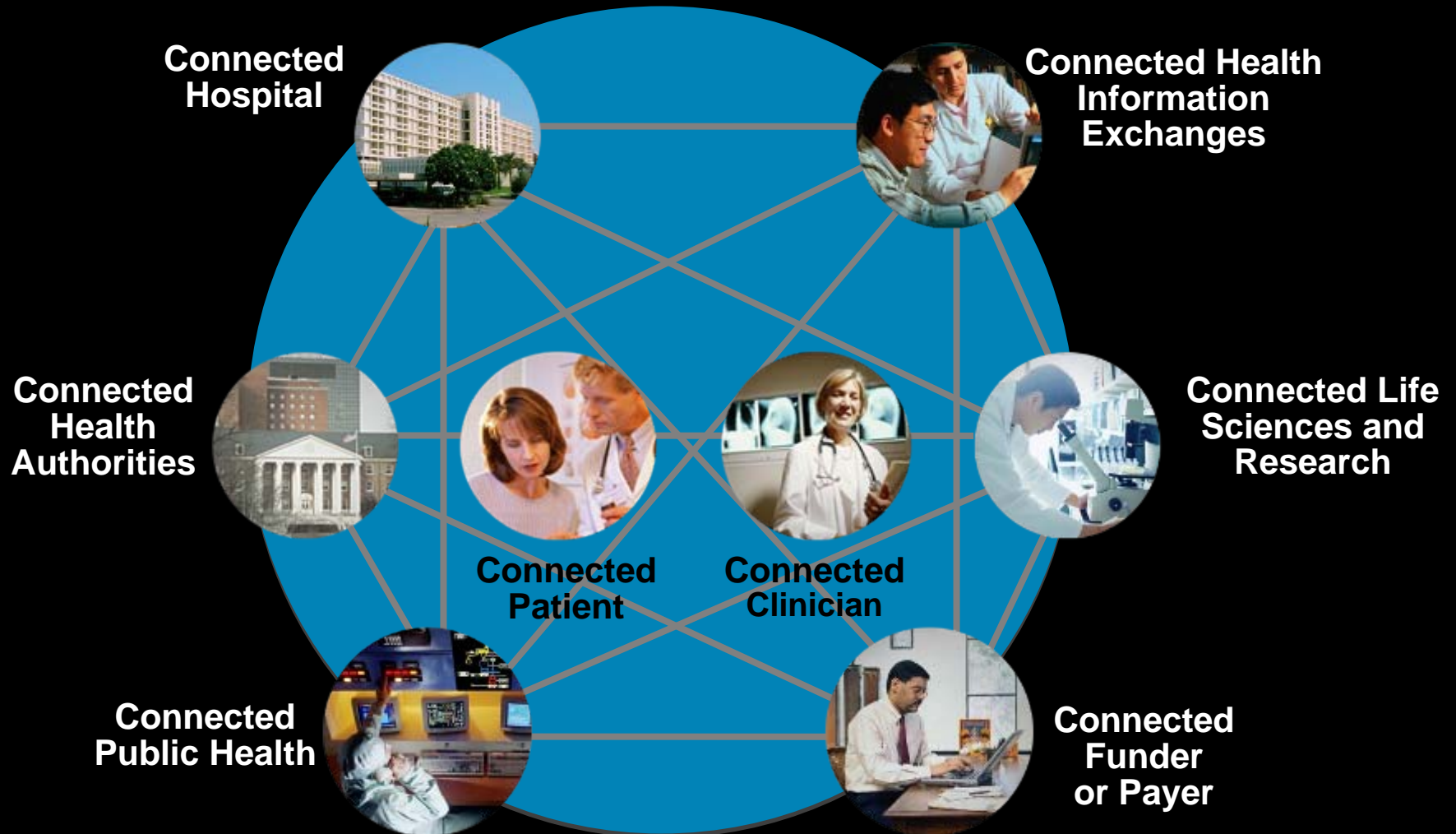
- Costs/limited budget
- Access/wait times
- Quality/patient safety
- Labor shortages
- Aging population
- New medical technology

## Desired Results

- Safe
- Effective
- Patient centered
- Timely
- Efficient
- Equitable



# Cisco Connected Health



# Impact of Communications... Healthcare/Survey of Nurses I

**40%** of the nurses time  
spent on coordination

More than **50% time** spent on  
non care activities (administration

Nurses walk on average **6 km**  
per day (1.5 hours)



**On average, only 8 minutes a day**  
**is spent as « face-time » per inpatient**

Source: Survey at Arras

# Cisco's Healthcare Solution Portfolio

Business  
Drivers

**Patient safety, care quality, cost challenges,  
patient and staff satisfaction,  
regulatory compliance**

Business  
Solutions

## Clinical Connection Suite

- Location-Based Services
- Mobile Care
- Collaborative Care

## Connected Imaging

- Image Acquisition
- Image Access
- Performance and Management
- Collaboration & Reporting

Network  
Technologies

**Medical-Grade Network  
Assessment Tool  
Architectures**

# University Hospital of Ghent

## Background

- University Hospital of Ghent is a 1000+ bed facility in Flanders, Belgium

## Customer Needs

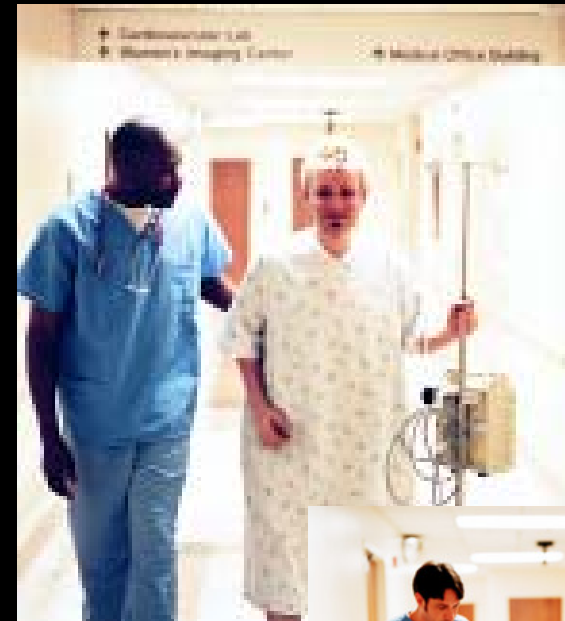
- Wireless telemetry monitors watch patient vital signs. In case of emergency, nurse is alerted... but what if the patient is not in his/her room?
- Desire to better leverage Cisco network with advanced applications

## Solution

- Patient location is tracked in real-time
- Patient emergency triggers call to nurse on Cisco IP phone. Nurse receives patient condition and accurate current location
- Uses Cisco Wi-Fi for communications and location



Universitair Ziekenhuis Gent



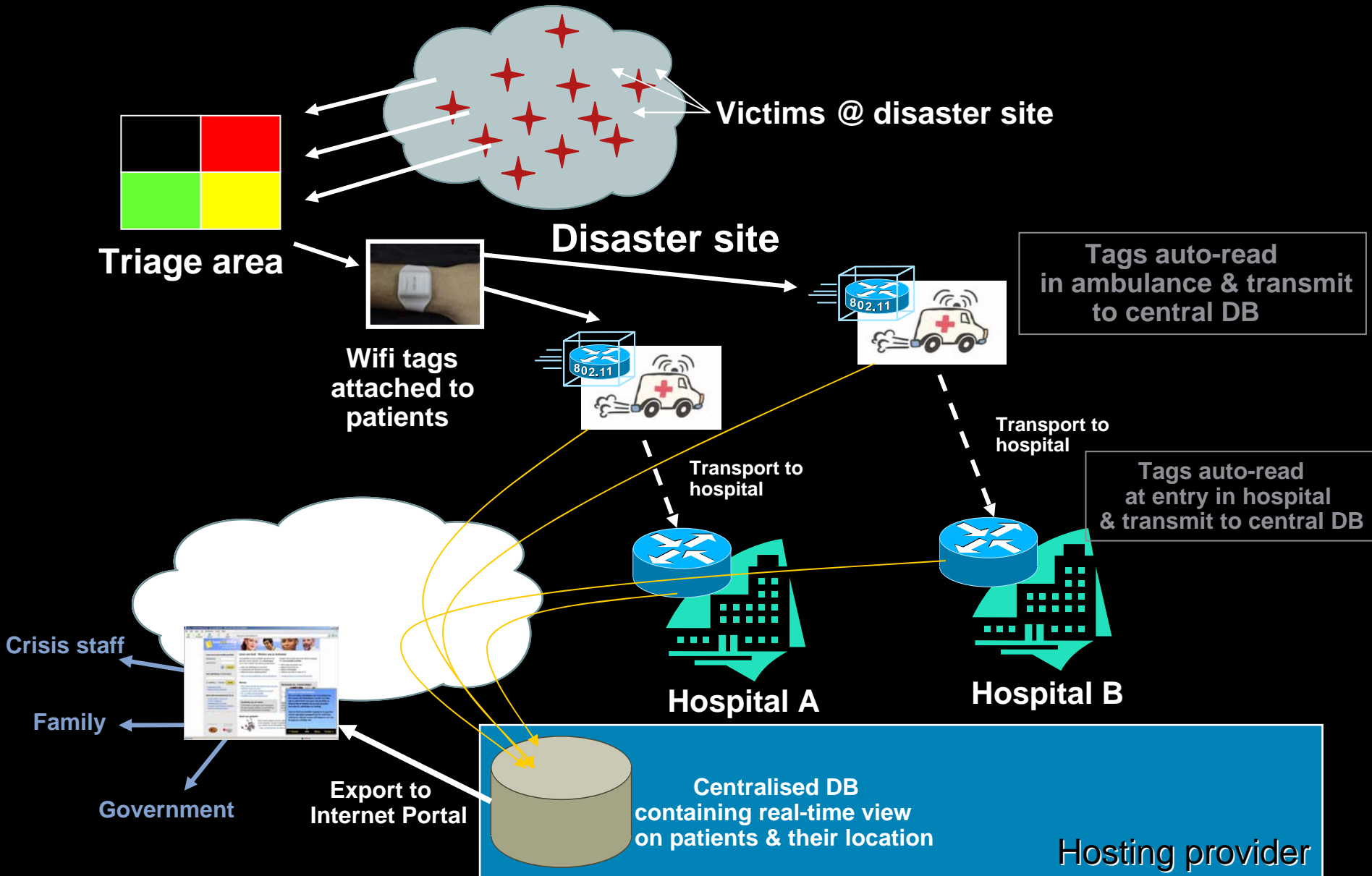
# Belgium Victim Tracking Tracing System



In the event of a disaster with mass casualties, the possibility of quickly obtaining information about probable victims and the knowledge about their exact position, until reaching a hospital for definitive treatment, is extremely important for all parties involved in the rescue chain, as well as the victims relatives.



# Logical architecture – Belgium



# Innovation - Health Presence



- **Virtual Doctors Office**
- **When patient logs in – establish contact with GP office**
- **HD Videoconference ensure "near real-life experience"**
- **Medical Device monitors connected via Set-top box**



