



mHealth



mHealth Services Deployment – Asia Pac, 25 April 2012

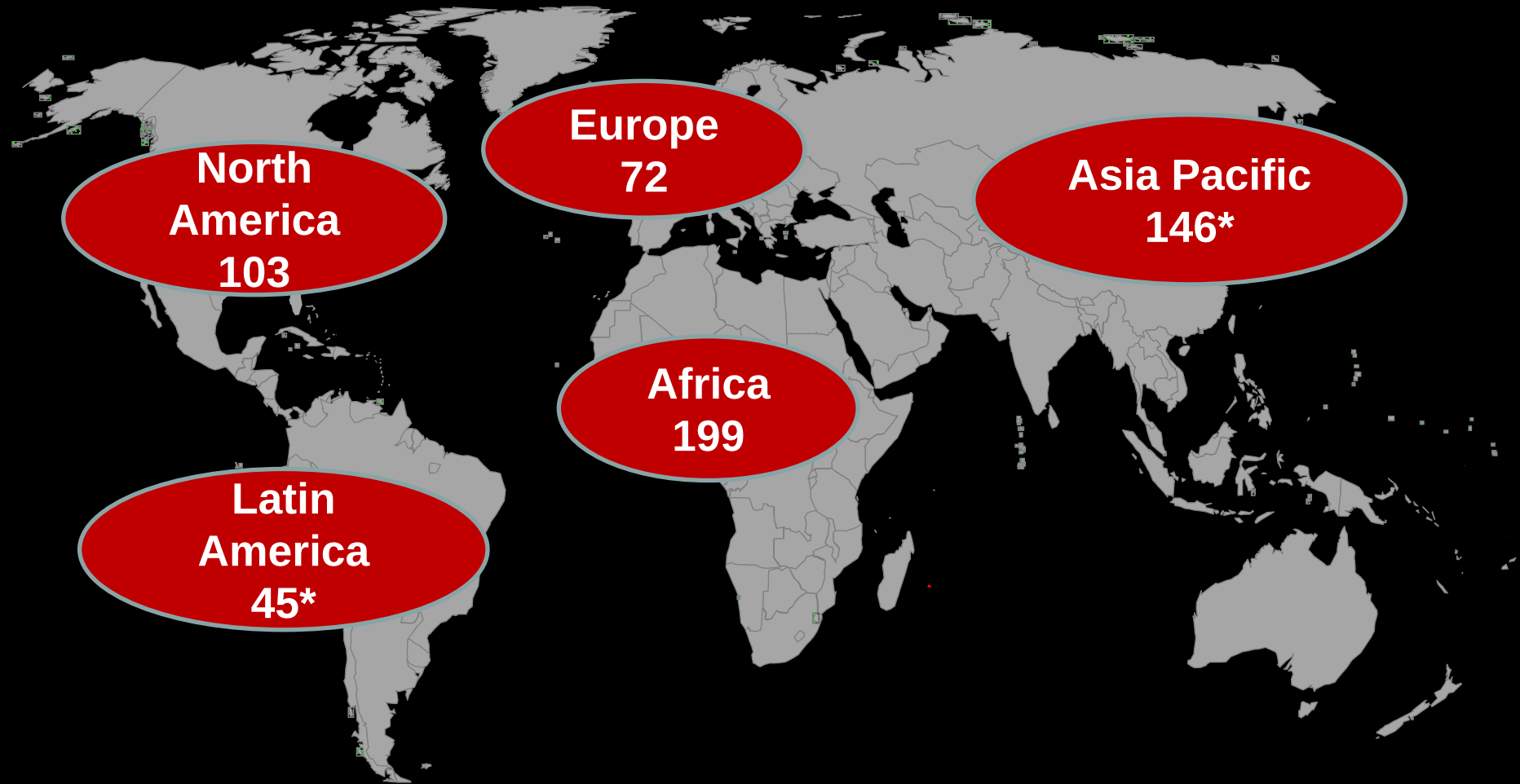
Ilara Koroma, Programme Administrator, Connected Living, GSMA

GSMA resource – mHealth Deployment Tracker



Source: Wireless Intelligence, Mobile Health Service Deployment tracker, March 2012

Already counting 565 mHealth deployments worldwide



Source: Wireless Intelligence, Mobile Health Service Deployment tracker, March 2012

There are over 146 deployments in Asia Pacific



China: 14
Philippines: 11
India: 38
Australia & New Zealand: 12

Commercial: 101
Pilots: 45

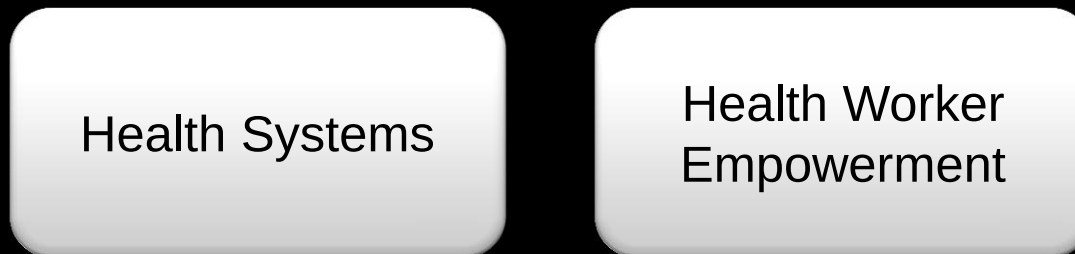
Source: Wireless Intelligence, Mobile Health Service Deployment tracker, March 2012

Categories

Patient Healthcare Pathway



Health Systems Strengthening



iBodymo.



iBodymo

- Operator: NTT Docomo
- Country: Japan
- Year: 2010
- Description: i-Bodymo enables users to monitor their daily physical activity and food intake, which is used to provide health tips and advice to the users. The service includes a pedometer function and a location based exercise tracker that records distances and times the user jogs or walks. The service uses an accelerometer embedded into the phone to test “body reflex” and “balance.” On the diet front, i-Bodymo graphs the user’s calorific intake and burn based on what information the user logged into the system. It then makes suggestions for how the user might improve on activity level or diet. Users pay a subscription fee.



Sparsh

- Operator: TaTa Docomo
- Country: India
- Year: 2011
- Description: “Sparsh” is the Sanskrit word for “touch”. The service is based around audio packages. The user subscribes to the service by calling a number and then a list of topics is accessible through the phone. For example, the user can access a module about AIDS, which will provide them with information about the disease, its causes and preventative measures.

Call 1990

- Operator: Dialog Axiata
- Country: Sri Lanka
- Year: 2011
- Description: By calling 1990 you will receive advice on what to do in a health emergency. Advice is available on more than 50 common conditions varying from minor injuries, burns and bites through to serious issues such as unconsciousness, chest pain or seizures. Help is available in three languages (Sinhala, Tamil, English), Island wide, 24 hours a day. This service is not intended to be a substitute for professional medical advice, diagnosis or treatment. First aid advice shall be solely based on the information you provide.

First Aid on Your Phone



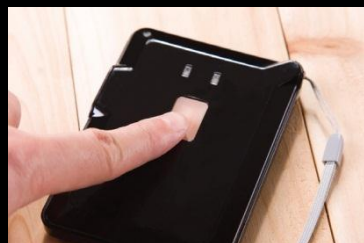
Monitoring



Ideal Life

- Operator: China Unicom
- Country: China
- Year: 2011
- Description: Helps to manage chronic conditions such as hypertension, congestive heart failure (CHF), diabetes, obesity, chronic obstructive pulmonary disease (COPD), and asthma. IDEAL LIFE has developed the first easy and affordable solution that makes remote health management a reality and empowers individuals to take more active and informed roles in their own health and well-being. A wireless-enabled, fully automated and wireless communication platform, designed in a modular fashion to allow for easy integration with a wide spectrum of products. The core technology makes it possible for users to securely capture, store, and share important health information with any mode of communication – including cell phones, telephone lines, and the Internet - anytime, anywhere.

Monitoring: Assisted Living



CSL Mobile Link Service

Operator: HK CSL

Country: Hong Kong (China)

Year: 2011

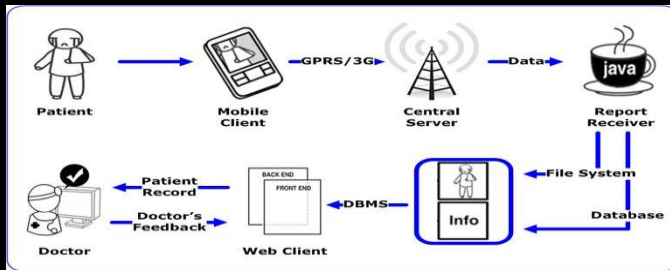
Description: The mission of this is to enable senior citizens to enjoy active and safe lifestyles.

Users can connect their ergonomically designed Mobile Link devices via a mobile network to the Senior Citizen Home Safety Association's (SCHSA) 24-hour call

centre by simply pressing a button.

3 key components: customized mobile link application platform, integration of the platform with the call centre and CRM system, a mobile device with panic button and emergency pull pin designed for users aged over 60

How it works: press button or pull pin, sms gets sent to call centre and a voice call is initiated. Once call is connected, user can ask to be call transferred to carer or family member. Can also notify emergency services.



Amputee Screening via Cellphone Networking (ASCENT)

- Operator: Smart Communications Inc.
- Country: Philippines
- Year: 2009

Description: ASCENT provides a more efficient way of gathering initial information on the patients by addressing the following issues:

a. Providing a system that lessens the amount of travel patients will have to do during the application process for a prosthetic device. This system helps provide a better way of screening applicants to see what prosthetic device best suits their condition.

b. Providing a centralized repository for data management and feedback through the means of convenient and easily accessible technology.

Putting a mobile application on the phone that allows health workers to fill out information on the patients and taking a photo of the patient removes the amount of human error involved in encoding the form information and attaching the correct photos to the form. Sending the information over the Internet provides a speedy way of collecting and centralizing data and the interface allows doctors to provide feedback the soonest it is available online.

ASCENT
Amputee Screening through CELLphone NetWorking

Welcome, Admin Account! You are logged in as a doctor!
[Home](#) | [Patients](#) | [Applications](#) | [Users](#) | [Logout](#)

Application Information

Type: Follow-up #1
 Submitted By: drogado
 Date Submitted: January 12, 2010
 Last Update Made By: diane rogado (09223688204)
 Last Update Made On:
 Recommendation:

Patient Profile

Name: b c a Age: 0 Sex: F
 Phone Number: 3 Mobile Number: 4
 Address: h, g, f
 Contact Person: 01/12/2010
 Profile: Single, Employed

Patient Status

Ambulation Status: Person Assist, Wheelchair, Walker, Crutches, Cane
 Associated Illness: Cardiac, Pulmonary, Diabetes, PVD, Stroke, Fracture, Arthritis
 Functional Deficits: Range of motion
 Prosthesis Use: No
 Reason: Not Aware
 Date Amputated: January 12, 2010

Stump Status

Foot Size: 9
 Etiology: Ischemia
 Level (Left): Upper Extremities
 Level (Right): Hip Dislocation
 Interventions: Bandaging, Stump Care, Thru Ex, Ambulation

Pictures

Recommendation

Prosthesis for: ☒ Function ☐ Cosmesis
 Recommendation:
 Rehabilitation:
 Instruction:



Telstra High Definition Telehealth Solution

- Operator: Telstra
- Country: Australia
- Year: 2011
- Description: Connect regional emergency departments with trauma specialists at metropolitan hospitals so they can collaborate to stabilise patients and save lives. The Telstra High Definition Telehealth solution provides high-definition video and Web conferencing using a wireless mobile unit connected to the high-speed Telstra Next IP™ network. This highly reliable solution lets regional hospitals leverage expertise by transmitting comprehensive patient data for real-time assessment by specialists hundreds of kilometres away, providing more equitable access to health services and enabling quicker decisions on the right treatment. Distributed care teams can communicate with visibility of a patient, the patient's vital signs, clinical test results and X-rays, helping reduce errors and improve the quality of care. And with less need for transfers to metropolitan facilities, patients can receive care closer to home.



mHealth Device Listing 207

- A global list of commercially available devices in the healthcare sector, updated fortnightly
- It tracks devices designed for the remote monitoring of a range of health metrics, such as blood pressure monitoring, glucose level monitoring, medication compliance monitoring and more.
- The list contains device categories and the type of connection the device uses to transmit the data it collects.

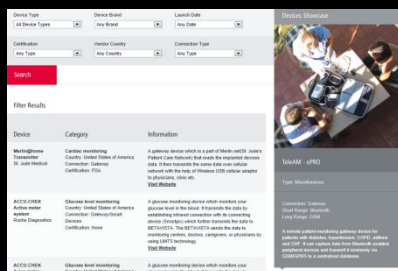
The three connection types are:

- embedded devices, which have their own mobile module;
- devices that connect to smart devices, such as mobile phones or tablets, via a cable or a short-range technology like Bluetooth;
- gateway devices, which receive health data from other monitors via a short-range technology and analyse or transmit it onwards.

Review whether the devices have certification from one of three major health regulatory bodies: the US Food and Drug Administration (FDA), the Continua Health Alliance or the European Economic Area's CE mark



More information on GSMA mHealth programme



- Research and Whitepapers
www.gsma.com/connectedliving-mhealth
- Mobile Health Services Deployment Tracker
<http://apps.wirelessintelligence.com/health/tracker>
- Device Listing
www.gsma.com/documents/Mobile-Health-Device-Listing-January-2011/21537
- Industry Portal including latest news, publications and industry insights
www.mobilehealthlive.org
- Evidence Knowledge Bank
<http://www.gsma.com/connectedliving-mhealth-evidence-knowledge-bank/>