

Mobile Health



Dr. Sikder M. Zakir

Managing Director, Telemedicine Reference Center Ltd., Bangladesh

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TRCL: a Longstanding e-Health Corporation Since 1999

~14
Years

- **1999:** TRCL was founded to offer Telemedicine service solutions in developing world
- **2000 – 2002:** Created international telemedicine network between Bangladesh, India and USA
- **2003 - 2005:** Started patient lab test report sending via text message
- **2006:** Started 'GSMA Global Mobile Award 2007' winning medical hotline program "HealthLine" in Bangladesh with Grameen Phone Ltd.
- **2009:** Launched AMCARE, first mHealth program in Asia on Diabetes in partnership with Diabetic Association of Bangladesh.
- **2011:** World Diabetes Foundation extended grants to expand AMCARE Diabetes management program to rural Bangladesh
- **2013:** Launching medical hotline program for about 5 Million Bangladeshi workers in Middle East and for their 20 Million family members in Bangladesh.

Categories of AMCARE Mobile Health Platform

- 3 Categories of Apps in AMCARE platform:

Consumer Apps



Consumer Apps for appointment, reminders, alerts, health tips, etc.

Clinical Apps



Data capture from medical devices (ECG, Glucometer, BP Machine), data input by patients, by medical staffs, etc.

Enterprise Apps



Apps for registration, billing, surveillance, HR management, etc

Virtual Hospital or Health Systems for Chronic Patients

Objective: To offer chronic diseases management & support services to Chronic Patients – Anytime, Anywhere



Hospital or Health System

AMCARE lifts hospitals to the Cloud
connecting patients at home through
mobile & wireless infrastructure

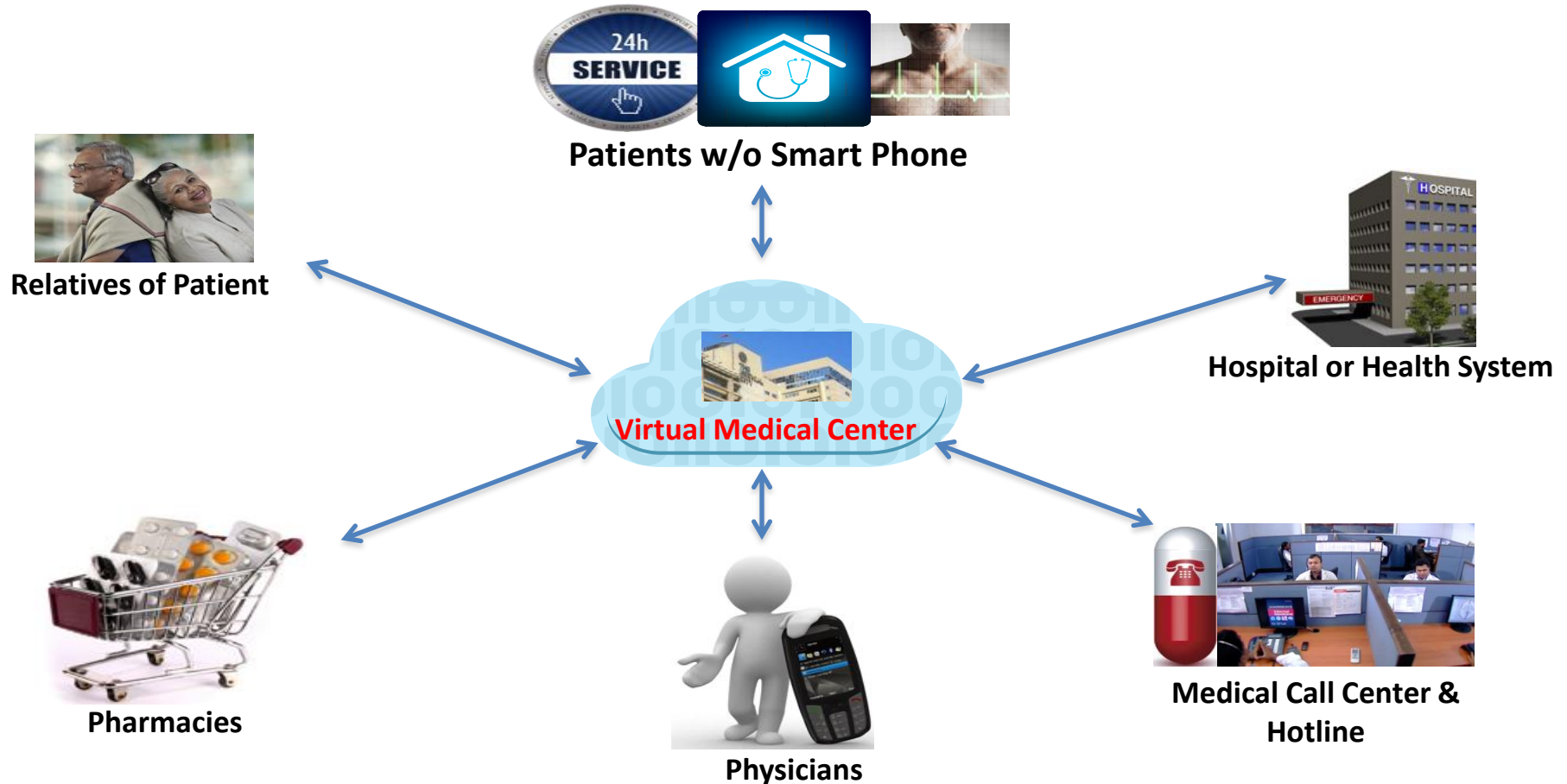


AMCARE is an electronic cloud of
medical information & patient
management processes



Single or multiple hospital facilities may
spread throughout one or more region

Connected Care Team: Stakeholders



AMCARE Tools for Diabetic Patient Management

1

Patient Portal:

- **Diabetic Hotline:** gives direct access to physicians and medical staff at Medical Call Center
- **Personal Health Record:** of patients created by direct input by physicians, staffs and mobile phone apps of patient

2

Patient Monitoring – Smartphone Apps (iOS, Android & Blackberry)

- **Daily data input by patients:** of blood glucose (SMBG), BP, weight measurements
- **Communication with patient:** sending custom advices to patient's
- **Notify patient & care team members:** through alerts, medication reminders
- **Hot Button in Mobile App:** to contact medical staff or patient's assistant

3

Physician's Dashboard:

- **Access to Patient Data:** secured access to patient data on-the-go
- **Communication with Patients:** using voice, text, Email & video call
- **Video-consult:** virtual patient waiting room for direct consult with endocrinologists
- **Electronic Prescription:** preparation and delivery of prescriptions to patient & pharmacies

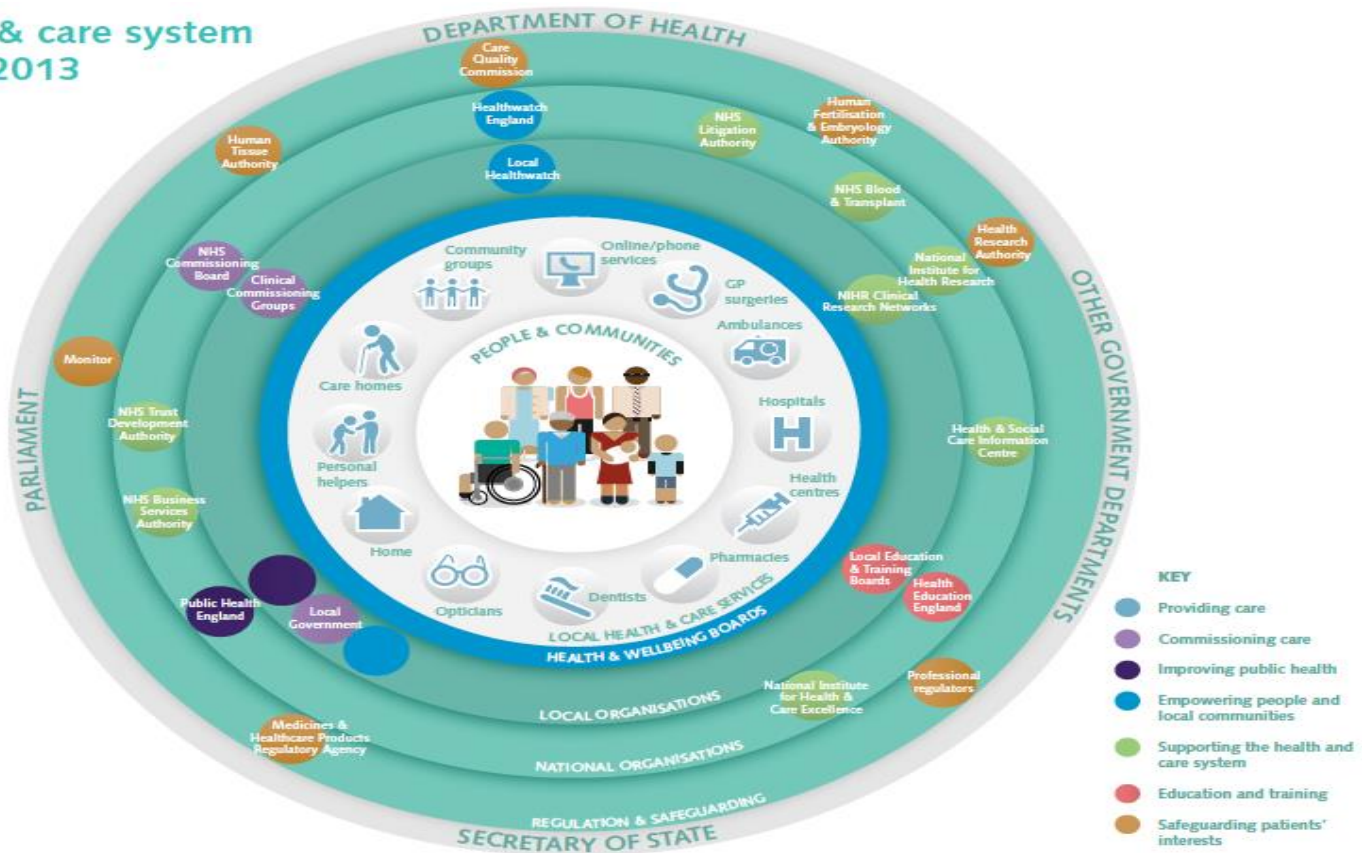
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Patient's Assistant:

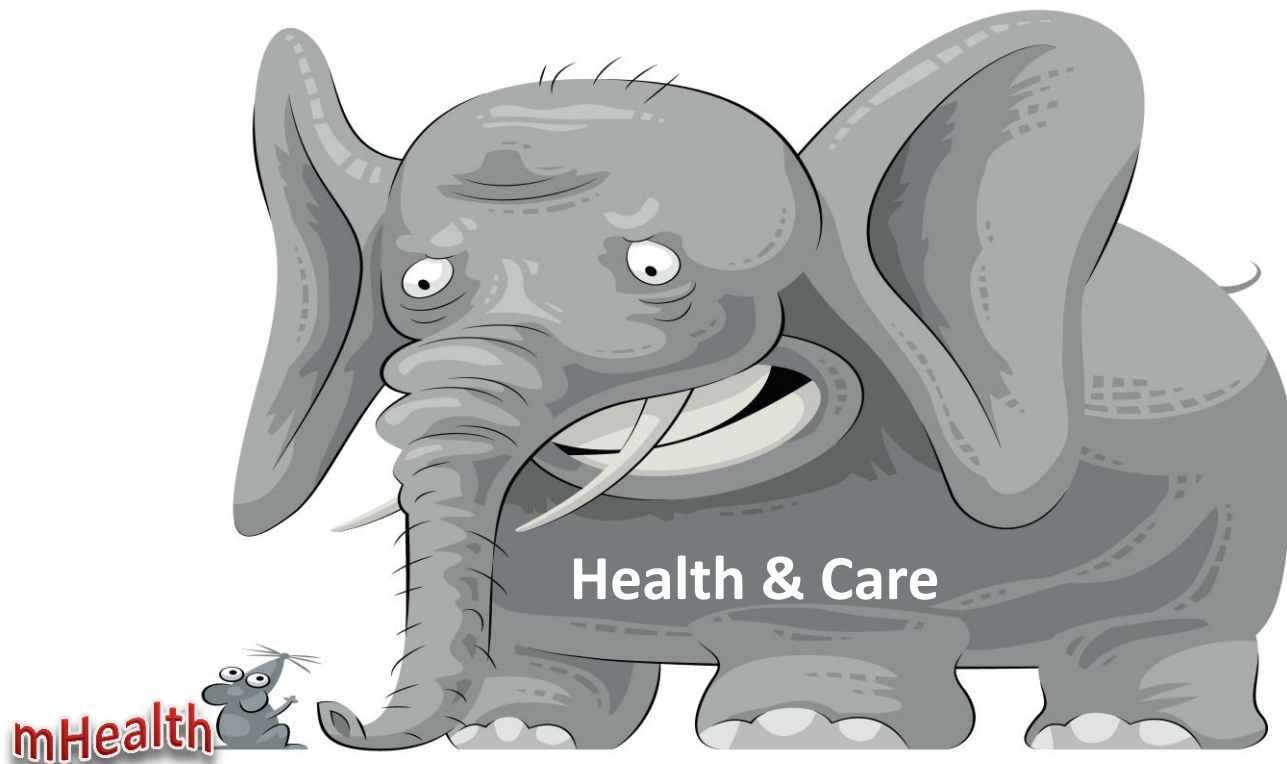
- **Guiding:** help patients through diabetes management processes, monitor compliance & adherence
- **Health Coaching:** Post-hospitalization coaching, training on health issues (voice & video)
- **Referring Patient to Physicians:** either for video consultation or for direct referrals
- **Home Visits:** home visit app for nurses and medical staffs for instant data update in electronic file

Health & care System of NHS - UK

The health & care system from April 2013



Current Status of mHealth in Health Care



Future of mHealth – Healthcare service delivery tool

Dr. Regina Benjamin: 18th Surgeon General of the United States

“The bits of mHealth that work won’t be called ‘mHealth’; they will be called ‘health’, in the way that nobody talks about ‘electric health’ and no country has a ‘stethoscope society’.”

Telemedicine Reference Center Ltd. (TRCL)

Web Addresses:

www.trclcare.com

www.amcare24.com

Dr. Sikder M. Zakir, Managing Director

Email: zakir.sikder@gmail.com & zakir.sikder@trclcare.com

Bangladesh Office:

Suite # A-1, Building # 36, Road # 12, Block # E

Banani C/A, Dhaka – 1213, Bangladesh

Tel: +880-2-8811924

Fax: +880-2-8811839