m-health: In mobile we trust!

Transform Healthcare with Mobile apps

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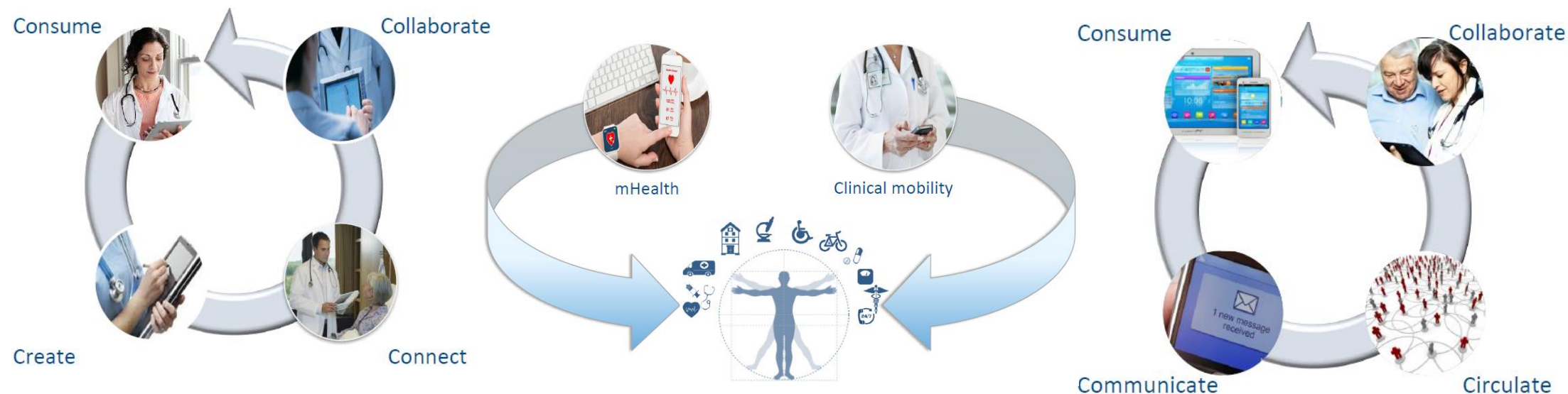
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Mobility Challenges in Healthcare

Transform Healthcare with Mobile Apps

Engaging the Patient 4C's of mHealth

Integrated care: Driving Convergence of Clinical Mobility and mHealth

4C's of Clinical Mobility: Getting the Health Organization Mobile Ready

Consume | Collaborate

Create | Connect

mHealth | Clinical mobility

Consume | Collaborate

Communicate | Circulate

28% of consumers downloaded a health app and 7% regularly use it

IDC Health Insights
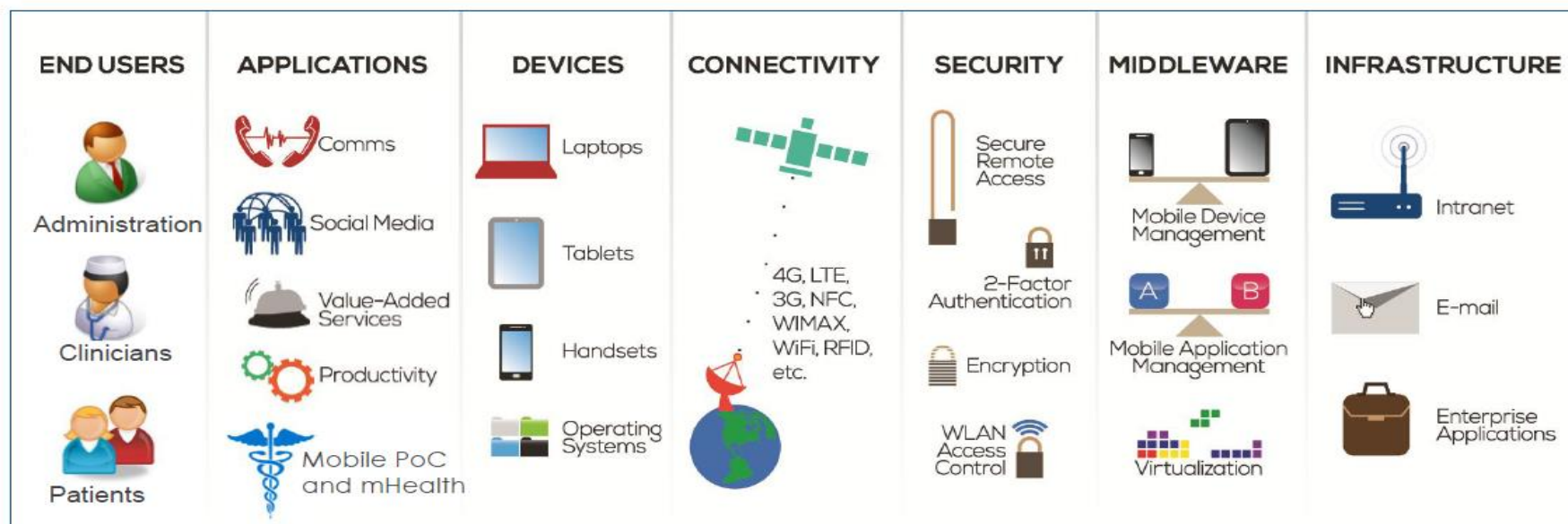
✓ **Ambulance and other mobile appliances tracking**
✓ **Remote patient monitoring**
✓ **Patient relationship management**
✓ **Nursing Applications**

Transform Healthcare with Mobile Apps

The Enterprise Mobile Ecosystem for Healthcare: much more than a Gadget

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5th Infocom Mobile World- Athens | © 2015

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Transform Healthcare with Mobile Apps

GO!Enterprise Mobility Solutions

Transform Healthcare with Mobile Apps

What we do

End-to-End Mobility Solutions

Expert consulting and design

Professional Services

Team of 200+ people

Europe, USA, India

Customer Cases

Transform Healthcare with Mobile Apps

- ✓ 22 years of operation/more than 50,000 IVF cycles performed
- ✓ 3,000 Cycles performed yearly
- ✓ Fully updated/comprehensive and pioneering treatment
- ✓ Whole spectrum of cutting edge techniques

Why a mobile app?

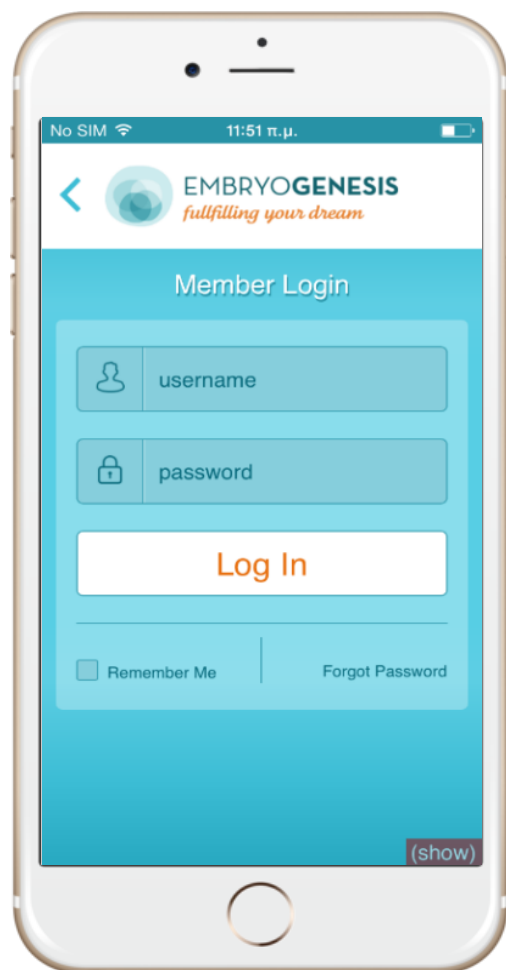|	
Communication	• **Contact** IVF Patients
	• **Schedule** Appointments
Trust	**Real-time access** to lab data (Images, Videos, Other IVF Data)
Share Knowledge	• **Information** about IVF
	• Embryogenesis **updates**

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The app can used by both registered (clients) and non-registered (informative) users

▸ **Appointment/Examination** scheduling

▸ **Push notifications** (drug therapy / appointments/ important

information)

▸ **Medical History** (IVF attempts & examinations)

▸ **View photos & videos** of embryos during various developmental

phases

▸ **Save photos** of embryo ultrasounds (last stages of IVF)

▸ **Contact details** & driving directions to clinic

Transform Healthcare with Mobile Apps

NSW HealthShare

Australian Health Care Pain Points

Medical Staff

Patients

Pharmaceuticals

Australian Health Care are faced with complex issues that make it very difficult to provided the necessary business services and operationally efficiency demanded by their internal and external customers to their users stifled by either to little or to much regulatory and or compliance requirements.

BYOD
Constant bombardement for device request

Productivity
Access to key business content

Security
Secure and compliant

Business Apps
Intergrated business apps

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NSW HealthShare

- *NSW Health* provides a strategic framework for the delivery of 'the right care, in the right place, at the right time' for everyone. It controls 15 Local Health Districts responsible for providing health services in a wide range of settings, from primary care posts in the remote outback to metropolitan tertiary health centers. Eight Local Health Districts cover the greater Sydney metropolitan regions, and seven cover rural and regional NSW.

- *Project objectives*:
  - Paper based process to digital – mobile device √
  - 1200 health paper based forms dispatched to some 32,000 health in-field workers across NSW √
  - Dispatch secure medical records to any device anywhere at anytime √
  - Full control of in-field health workers √
  - In-field productivity gains √
  - Significant improvement to medical records management √
  - Integration to legacy medical systems and applications √
  - Centralized repository √

Transform Healthcare with Mobile Apps

NSW HealthShare

Audience	Medical staff
Challenge	Paper-based process
Solution	Mobile forms with multi-format data capture
Mobile benefit	Productivity, Error-free, instant access to data

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PD-Manager

mhealth platform for Parkinson's disease management

Audience	Patients
Challenge	Monitor, apply treatment to patients with Parkinson's disease
Solution	Mobile apps for the assessment of cognitive condition and other non-motor and motor symptoms using wearable devices with sensors
Mobile benefit	New care model in terms of health outcomes, quality of life & care efficiency gains

patient

clinician

Bio Signals Processing

Behavior Data

Adherence Data

Face Related Symptoms

Data Mining

GO! Enterprise Server

WiFi (3G)

GO! Enterprise

GO! Mobile Client

Plan management

suggestions

alerts

caregiver

GO! AppZone Studio
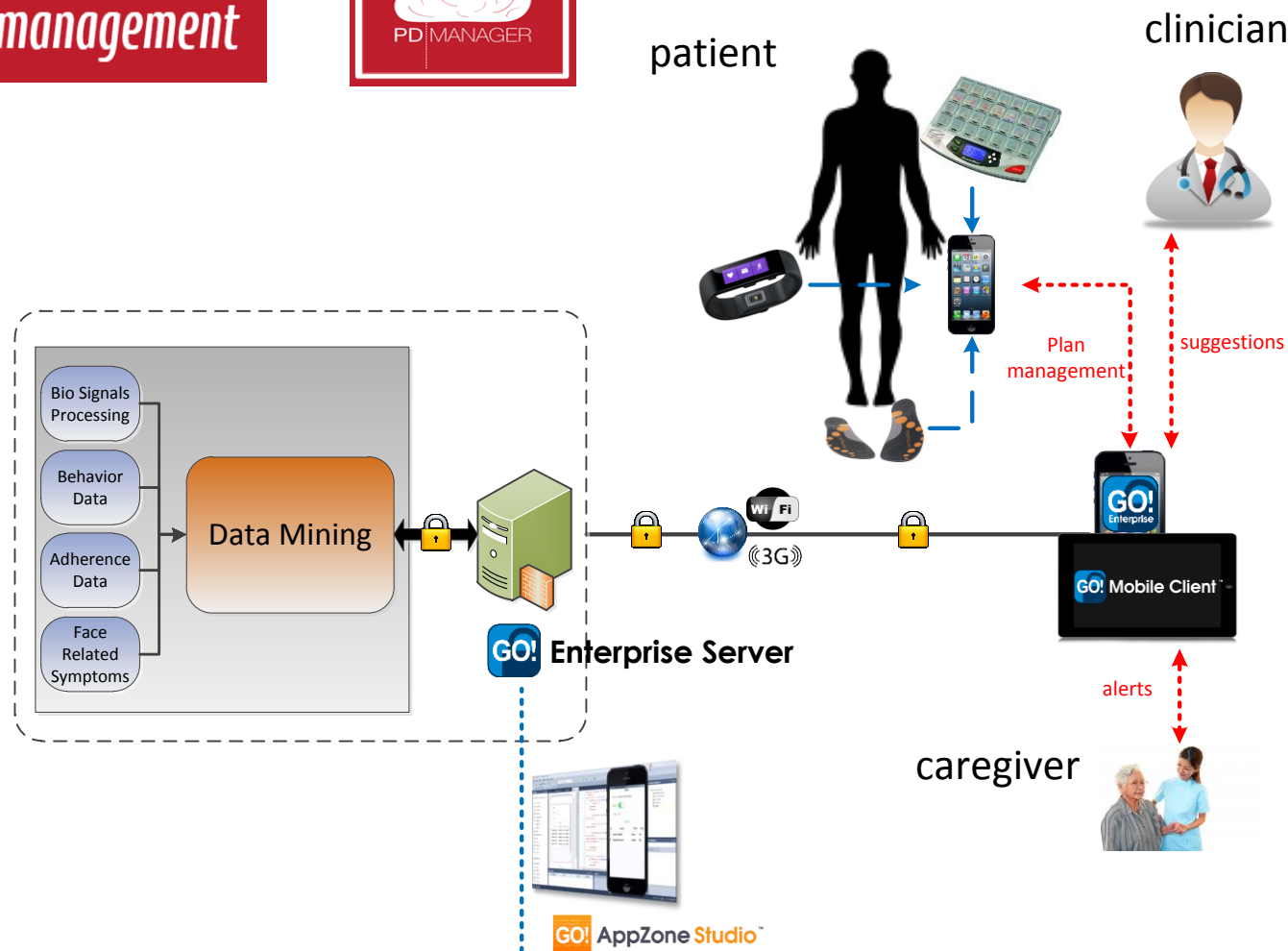
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Patients

- Use wearable devices with sensors (insole, wristband) to monitor symptoms

- Use mobile apps for the assessment of cognitive condition mobile apps for MOCA and for other non-motor symptoms such as depression, compulsive behavior, hallucinations and delusions.

- Have sessions with psychologists/ psychiatrists, speech and language therapists, dieticians through secure video-therapy platform.

- Smart-pillbox will monitor his adherence to medication and will alert the caregiver, the wristband will inform caregivers about activity and the mobile app will monitor diet compliance

- Receive recommendations for modifications in medication, diet, activity, physiotherapy etc. sent to him by the respective member of the MDT.

- Been educated about how to cope with daily tasks and activities (occupational therapy) and manage speech, language and communication problems as well as eating, swallowing and drooling problems (speech and language therapy).

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Medical Staff

- Be alerted when the patient is in danger. Get feedback about the symptoms and will help the patient monitor these symptoms in severe cases.

- Help the patient do the MOCA test and any other questionnaires.

- Have access to psychologists/ psychiatrists and other therapists through a secure video-therapy platform.

- Monitor the patient's adherence to: medication (smart pillbox); suggested activity plan (wristband) and diet (mobile app)

- Receive recommendations for modifications in medication, diet, activity, physiotherapy etc.

- Have access to objective, continuous, real-time, longitudinal data monitoring for diagnostic accuracy. The data, automatically generated by the monitoring devices

- Provided with decision-support for complex symptomologies and will receive suggestions, mainly for medication, from the decision support module that will then process and send the revised management plan to the patient and his caregiver.

- Coordinate the MDT and collaborate with them in order to optimize the management plan.

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