



GHG – Clinical strategy and performance overview

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GHG Investor Day

Tbilisi, Georgia | June 2019



Our main challenges

X

Lack of doctors & nurses: quality and new generation

X

Quality of basic medical care

X

Lack of services

How we addressed

✓

Knowledge and expertise advancement of our physicians and nurses through education and practical development

✓

Develop and implement quality management measures at a larger scale within our healthcare facilities

✓

Strengthen existing services and launch new ones



Challenge

**Lack of doctors & nurses:
quality and new generation**

Doctors:

- High number of doctors with soviet education
- Average age c.50
- Shortage in number of specialties

1

What we did

GHG Residency programme

In 2016 residency programme was launched in 20 specialties

Now up to 29 specialties

85-90% of Georgian Medical School graduates are applying to our programs

Total residency quotas - 350

Currently in training - 179

24 residents graduated this year out of which 23 are employed in our healthcare facilities



Sourcing and expertise advancement of our physicians and nurses through education and practical development



2

What we did

Challenge

**Lack of doctors & nurses:
quality and new generation**

Nurses:

- The WHO recommends a nurse to doctor ratio of 4:1 for Georgia
- Current ratio of 0.9

GHG Nursing School programme

Partnering with Nursing school since 2016

Our curriculum was adopted by Ministry of Education and is mandatory for other nursing schools in Georgia

90% of graduates are employed in our healthcare facilities

Demanded positions: ICU, NICU, anesthesia, surgery, dialysis



Sourcing and expertise advancement of our physicians and nurses through education and practical development



Challenge

**Lack of doctors & nurses:
quality and new generation**

3

What we did

GHG educational activity programmes 2016-2019

4,500 doctors retrained in 48 programmes

(EMR, infection control, TB prevention, rational antibiotic use, OBGYN ultrasonography, BLS, PFCCS, heart rhythm and cardioversion)

4900 nurses retrained in 22 programmes

(Manipulations, PICC line insertion, surgical nurse retraining, oncology patient care, anatomy & physiology, pharmacology, EMR etc.)

GHG Trainers of Trainers Programme 2016-2019

178 of our employees completed Trainers of Trainers



Sourcing and expertise advancement of our physicians and nurses through education and practical development



3

What we did

Challenge

**Lack of doctors & nurses:
quality and new generation**

Physician Repatriation Programme

Heads of Departments

- *Neurology*
- *Oncology*
- *Pathology*
- *Neonatology*
- *Cardio surgery*

Western quality of care for less cost



**Sourcing and expertise advancement of our physicians and
nurses through education and practical development**



Challenge

Lack of clinical quality management practices on national level

- Quality management since the soviet era still in the early state of development
- No official / comprehensive framework of protocols or treatment guideline available on national level

1

What we did

GHG clinic quality

2016-2019 - implementation of clinical quality management framework

Local quality teams - Operational

KPI's - Defined

Reporting - Functioning

Training activities - Ongoing



Develop and implement quality management measures at a larger scale within our healthcare facilities



2

What we did

Challenge

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GHG clinic quality KPI's

Sepsis – mortality reduced by 8%

Pneumonia

- Antibiotic initiation time improved by 40%
- Use of first line antibiotics is up by 8%
- Use of reserve line antibiotics down to 2.5%

Perioperative care

- Correct timing and choice of antibiotics improved by 40%

Infectious control

- Antibiotic Stewardship Program being implemented



Develop and implement quality management measures at a larger scale within our healthcare facilities



Quality and performance – Hospital medicine

Specialty Governing Boards

- ❁ Cardiovascular
- ❁ Neurosurgery/Neurology
- ❁ Oncology
- ❁ Ophthalmology

Board Functions

- ❁ Address and synchronize major medical services
- ❁ Endorse: standards of practice and quality indicators
- ❁ CME, trainings, research
- ❁ Monitor KPI – electronic platforms: EMR, EKIMO



Quality and performance – Ambulatory Medicine

Major Preventive Care Targets

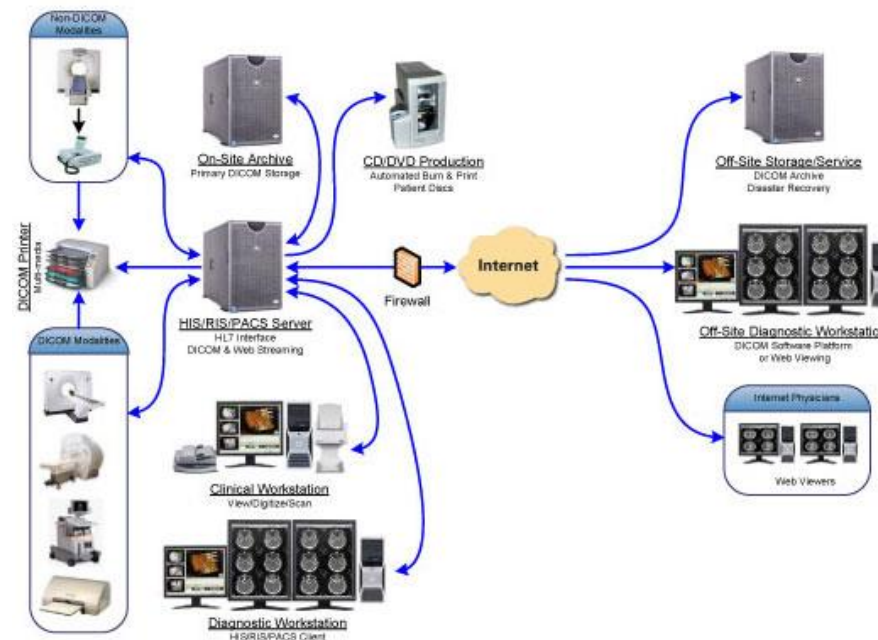
- ❁ Hypertension
- ❁ Cardiovascular
- ❁ Diabetes
- ❁ Oncology screening

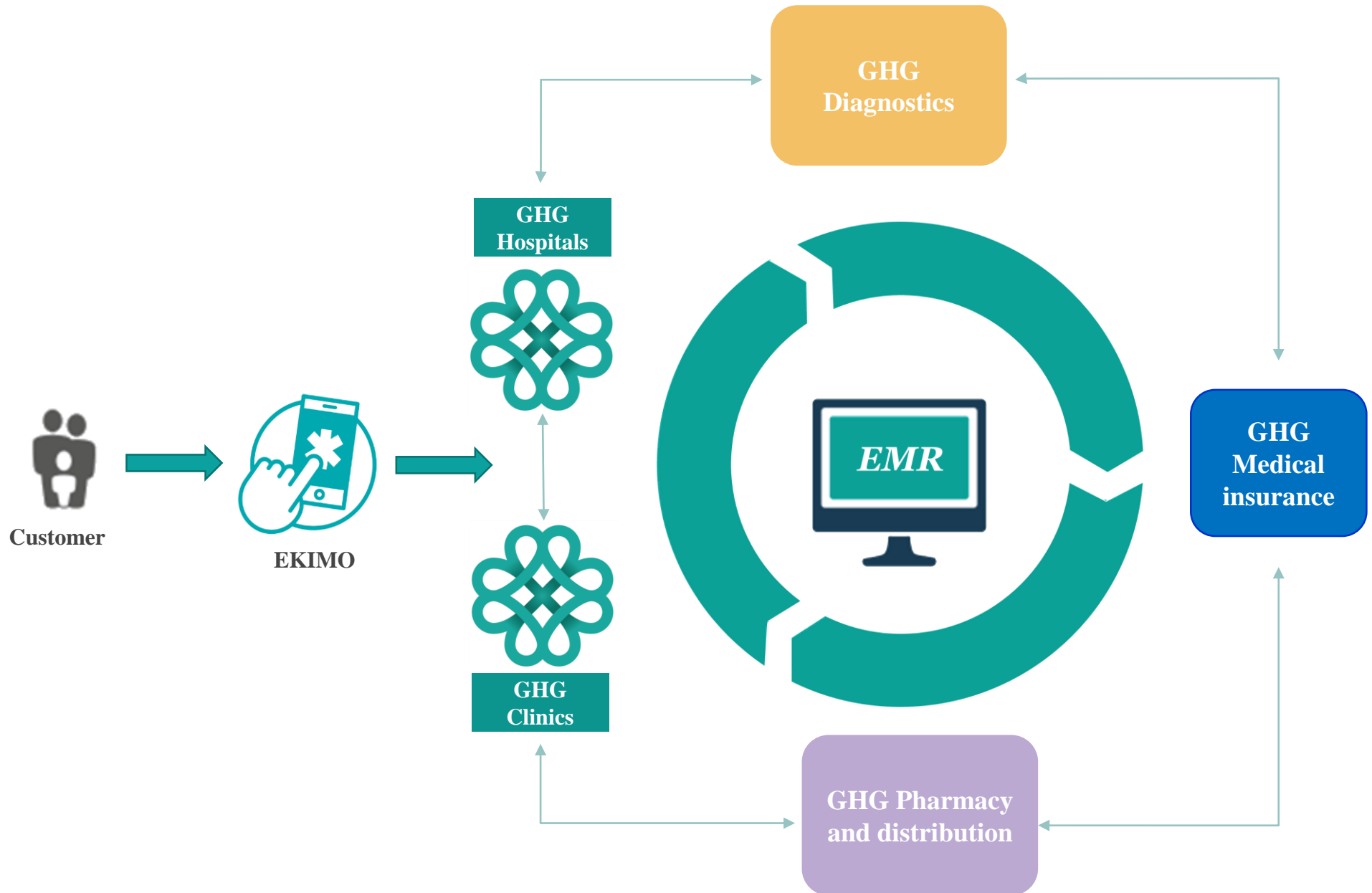
Plans

- ❁ Public awareness elevation - education, media channels, electronic platforms
- ❁ General practice physician retraining and CME's
- ❁ State indorsed guideline endorsement
- ❁ Improving compliance - EKIMO, EMR



Electronic Medical Records (EMR)	First stage implemented
Laboratory Information System (LIS)	Operational
Radiology Information System (RIS)	Operational
Picture Archiving and Communication System (PACS)	Operational
Digital Pathology System	In the process of implementation
EKIMO	In the process of implementation





Questions?

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