# GE Healthcare Driving Innovation

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Morningstar
Management Behind the Moat Conference
7 November 2013





#### **Caution Concerning Forward-Looking Statements:**

This document contains "forward-looking statements" – that is, statements related to future, not past, events. In this context, forward-looking statements often address our expected future business and financial performance and financial condition, and often contain words such as "expect," "anticipate," "intend," "plan," "believe," "seek," "see," or "will." Forward-looking statements by their nature address matters that are, to different degrees, uncertain. For us, particular uncertainties that could cause our actual results to be materially different than those expressed in our forward-looking statements include: current economic and financial conditions, including volatility in interest and exchange rates, commodity and equity prices and the value of financial assets; potential market disruptions or other impacts arising in the United States or Europe from developments in sovereign debt situations; the impact of conditions in the financial and credit markets on the availability and cost of General Electric Capital Corporation's (GECC) funding and on our ability to reduce GECC's asset levels as planned; the impact of conditions in the housing market and unemployment rates on the level of commercial and consumer credit defaults; changes in Japanese consumer behavior that may affect our estimates of liability for excess interest refund claims

(GE Money Japan); pending and future mortgage securitization claims and litigation in connection with WMC, which may affect our estimates of liability, including possible loss estimates; our ability to maintain our current credit rating and the impact on our funding costs and competitive position if we do not do so; the adequacy of our cash flow and earnings and other conditions which may affect our ability to pay our quarterly dividend at the planned level or to repurchase shares at the planned level; GECC's ability to pay dividends to GE at the planned level; our ability to convert pre-order commitments into orders; the level of demand and financial performance of the major industries we serve, including, without limitation, air and rail transportation, energy generation, real estate and healthcare; the impact of regulation and regulatory, investigative and legal proceedings and legal compliance risks, including the impact of financial services regulation; our capital allocation plans, as such plans may change and affect planned share repurchases and strategic actions, including acquisitions, joint ventures and dispositions; our success in completing announced transactions and integrating acquired businesses; the impact of potential information technology or data security breaches; and numerous other matters of national, regional and global scale, including those of a political, economic, business and competitive nature. These uncertainties may cause our actual future results to be materially different than those expressed in our forward-looking statements. We do not undertake to update our forward-looking statements.

"This document may also contain non-GAAP financial information. Management uses this information in its internal analysis of results and believes that this information may be informative to investors in gauging the quality of our financial performance, identifying trends in our results and providing meaningful period-to-period comparisons. For a reconciliation of non-GAAP measures presented in this document, see the accompanying supplemental information posted to the investor relations section of our website at <a href="https://www.ge.com">www.ge.com</a>."

"In this document, "GE" refers to the Industrial businesses of the Company including GECC on an equity basis. "GE (ex. GECC)" and/or "Industrial" refer to GE excluding Financial Services."

GE's Investor Relations website at <a href="www.ge.com/investor">www.ge.com/investor</a> and our corporate blog at <a href="www.gereports.com">www.gereports.com</a>, as well as GE's Facebook page and Twitter accounts, contain a significant amount of information about GE, including financial and other information for investors. GE encourages investors to visit these websites from time to time, as information is updated and new information is posted.

# **GE** Healthcare

~\$20 billion global business unit of GE

53,000 employees worldwide

~\$1 billion/year investment in R&D

Leadership businesses

Healthymagination focused on:







Affordability Improved quality

Increased access

## **Healthcare Systems**



Main products

CT DGS

MR U/S

MI LCS



Services

Rev. \$14B

### Healthcare IT



Main products

FEE

PACS

RIS



Ambulatory EMR

Caradigm (MS JV)

Rev. \$2B

### **Life Sciences**

Main products



Bioprocess



Cell technologies

Research



Consumables



**PET/SPECT Tracers** 



Clarient/Pathology



**Genomics** 

Rev.

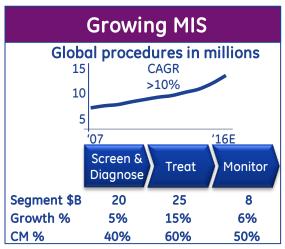
\$4B

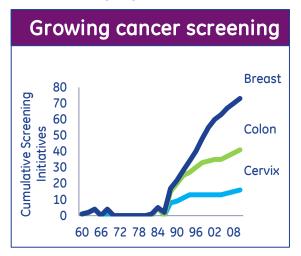


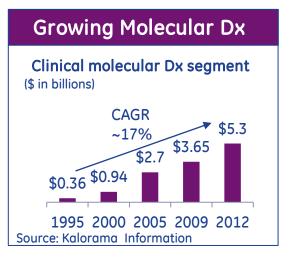
At work for a healthier world ...

# Despite continuing pressure on healthcare costs, we see positive opportunities







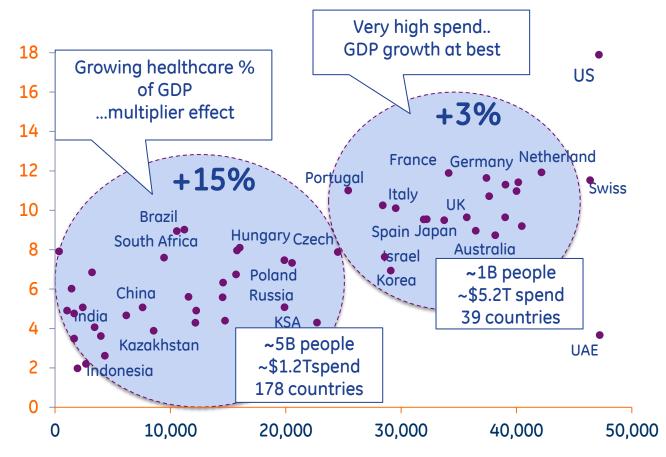




# Global healthcare structural dynamics

## Healthcare spend by country





Source: World Bank

2010 GDP per capita ( USD, PPP adjusted)



New growth less concentrated, more complex

# Anesthesia delivery system in Africa

**Current Situation** 



- Two physicians for every 10,000 people
- 0.4 hospital beds per 1000 people.
- Poorest ~35% receive only 3.5% of all surgeries
- 99% of maternal deaths in resource poor countries
- Average of 1 maternal death per 100 live births.
- Anesthesia tremendous risk in developing countries
- UK has 400x more anesthesiologist than Uganda

**Technology & Rationale** 

**Carestation 30** 



- Launched in Kenya on November 12, 2012
- Created specifically for developing countries
- Cost =~\$10,000 (varies by location & configuration)
- Enhanced capabilities Integrated Sp02
- Compact breathing system to minimize leaks
- Battery lasts up to 6 hours
- Clinical education and training program

Advancing safe surgery in Africa

# Vscan <sup>™</sup> - Pocket-sized ultrasound

### **Description**

Pocket-sized, hand held ultrasound

### **Benefits**

- Variety of clinical applications
- Immediate visualization
- Up to 1 hour continuous scanning capability
- Simplified presets for Abdominal, Cardiac & OB

### **GE Difference**

 Currently the only device this size with these features at this price point







# Ultrasound pregnancy exam





**Breach** 



**Gestational Age** 



Placenta Previa



**Cord** issues



Indonesia



Ghana



Millennium development goals 4 & 5:

Reduce maternal and infant mortality







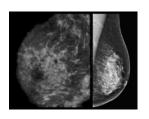
# **Breast Cancer**



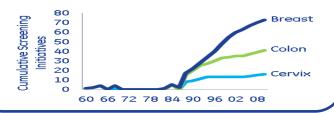
# Leading cause of cancer in women... ~ 500K deaths per annum \* Cancer deaths per thousand patients 288 275 273 Breast Lung Colon Cervix Stomach



Physiology e.g., dense breasts





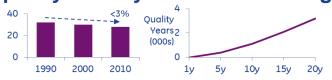






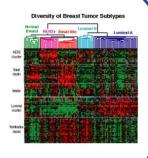
Why
Breast
Cancer
Is Spreading
Around
The World
Plus Agado to
the latest treatments.

Mortality reductions small, but quality of life years extension high



Type of
Disease
e.g., Luminal A,
Luminal B,
HER2+, Triple

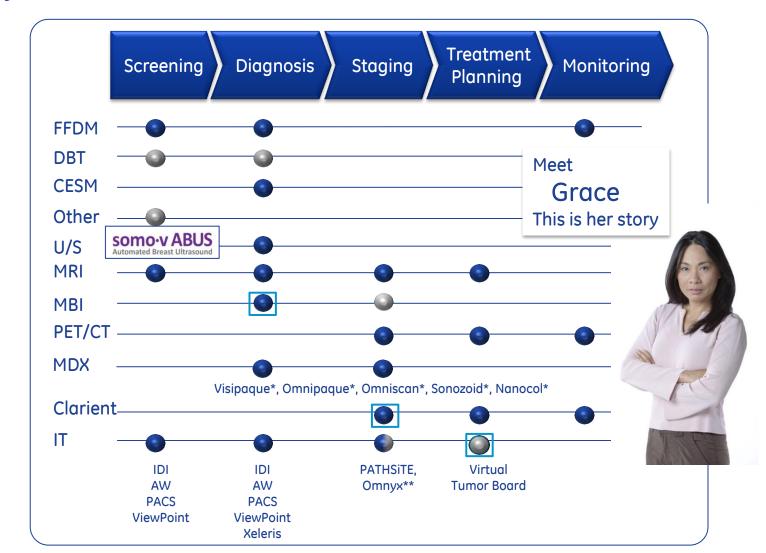
neg





Most frequent cancer in women – over one million new diagnosis / year

# GE plays across breast care continuum



\* No FDA organ-specific indications for breast

Hardware

Wetware

Services

Software

Current

**Planned** 

\*\* Product under development. Omnyx products are for research only. Not for use in diagnostic procedures.

"Connecting" across modalities

# Scalpelless surgery becoming a reality MR guided focused ultrasound by InSightec, Ltd.

## Non-invasive ablation, high energy ultrasound

### **Regulatory Procedure Approvals**

- 2006 FDA Uterine fibroids
- 2012 FDA Bone metastasis
- 2013 UF CFDA, Brazil, Canada Bone Brazil, Canada FDA Stage 3 ET Trial FDA Stage 1 Prostate





**Uterine Fibroid** 



**Bone Cancer** 



**Brain** 

### **Recent Developments**

 Essential tremor study published in New England Journal of Medicine, August, 2013



614

2012

727

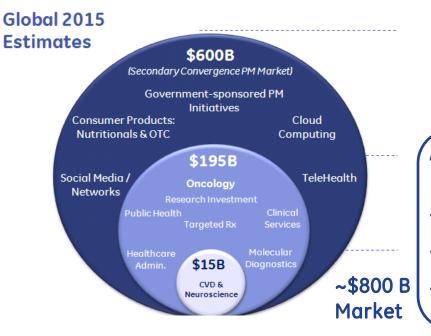
2013

Non-invasive MR guided surgery



# Precision medicine





### Theme: Precision Medicine across the continuum of care

**Treatment** Monitoring Screening Diagnosis Staging Planning

- Am Lat risk for a disease?
- Do I have a disease?
- What type of disease do I have?
- Should I actively treat my disease?
- Is my disease responding to treatment?
- What further action should I take?

### Aligning care around personal factors

Physiology



Risk Factors



• Type of disease



### **Opportunities from** advancements in imaging/multi-omics



CESM





Molecular

Biomarker Platforms Assessment

Moving to 'personalized' patient-based decisions

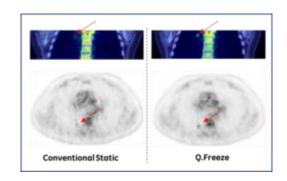


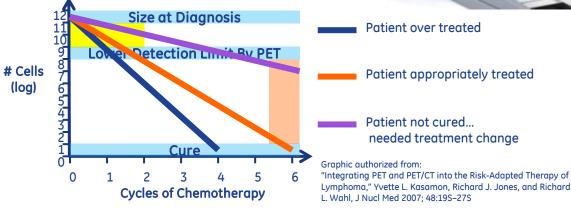
# Monitoring therapies

## **Quantitative PET - Q.Suite Platform**

- Consistent SUV measurements of metabolic activity
- Eight capabilities working together
- Designed to aid in the early determination of treatment effectiveness







Built from collaborations between clinical research partners and GE scientists



# Only GE

**DGS** 



MR



Metabolic MR w/ Hyperpolarization Carbon 13

**MICT** 

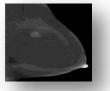


**LCS** 

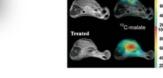


**Ultrasound** 





**CESM** 



Silent MR



Maveric



**SnapShot** Freeze



**End Tidal Control** 



**Automated whole** breast ultrasound



**MBI** 



**Carestation 30** 





**Super-value MIC** 









FlightPlan for Liver

**VolumeRAD** 



**MRg FUS** 



**DoseWatch** 



**VEO** 

Many breakthrough technologies only available from GE Healthcare

Digital health

# Our purpose... a reminder



At work for a healthier world

