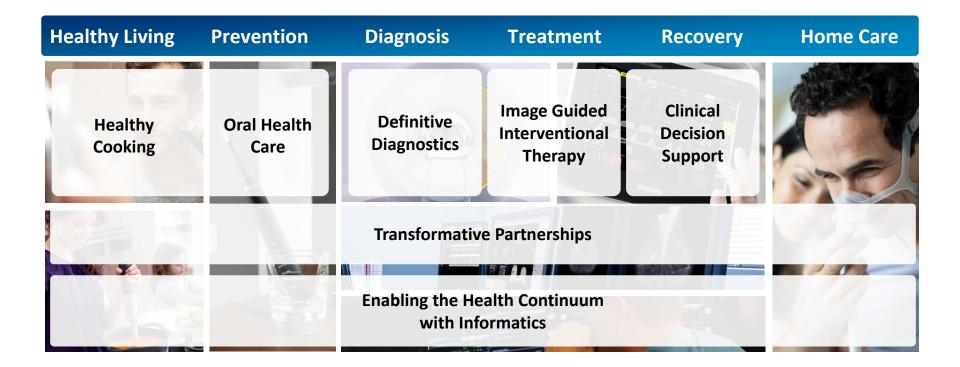
Winning in HealthTechbusiness examples

September 23, 2014



innovation + you

Winning in HealthTech – business examples





Oral Health Care: key contributor to your health

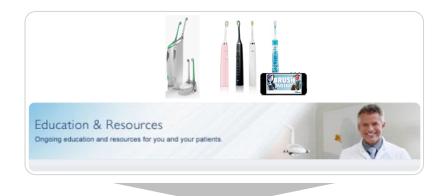
Pieter Nota CEO Philips Consumer Lifestyle





Oral Health Care is a key contributor to your health

- Consumers show a growing awareness and increasing interest in Oral Health Care
- Philips delivers **superior solutions** for better Oral Health Care, **beyond brushing only**
- Health of the mouth, the "gateway" to the human body, has impact on people's overall health
 - Severe gum disease can lead to increased risk of stroke and heart attack¹
 - Gum disease can make diabetes difficult to control²
 - With gum disease some pregnant women may be more likely to deliver a pre-term baby³

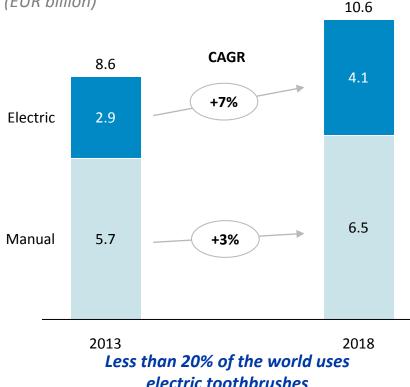






The Electric Oral Health Care market offers significant potential and Philips is gaining market share

Electric toothbrush segment grows faster than manual



*Market value electric vs. manual toothbrush*¹ *(EUR billion)*

Key achievements

- Global market share² increase of +2.2 points over past 12 months; total share in the high 20's; #1 positions in North America, Japan and China
- Brand preference³ increase of 2 points
- 69% of our products score 4.3 or higher in consumer ratings⁴ (out of 5)
- Strong global leadership⁵ in "the most-oftenrecommended" by dental professionals

¹ Source: Euromonitor, GfK, Nielsen and internal analysis; ² Moving annual total of June 2014 vs. June 2013; ³ Heartbeat survey June 2014 vs. December 2013 ⁴ Rating from Amazon by moving annual total June 2014; ⁵ Dental Professional Tracker, Global weighted average up to Dec 2013



We are delivering superior innovations that help improve oral health for consumers, driving our share



DiamondClean:

Healthier, whiter teeth

FlexCare Platinum:

- Cleans exceptionally between teeth
- Pressure sensor technology



Sonicare for Kids:

- 75% more effective plaque removal than a manual tooth brush
- Brush Busters App helps kids learn healthy oral habits from early age

AirFloss Pro:

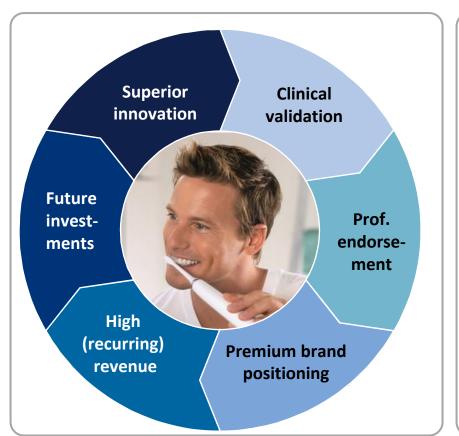
- Clinically proven to be as effective as string floss for gum health
- Removes 99.9% of plaque from treated areas



Whitening (QuickPro):

- Breakthrough two-layer technology seals in hydrogen peroxide
- Whitens four shades in just five minutes

We continue to create value, leveraging our repeatable model for success



Repeatable model for success

Philips is uniquely positioned to develop the Oral Health Care market

- Expertise from clinicians and researchers across the broader Philips organization to support and further develop superior innovation
- Leveraging clinical expertise to further demonstrate the link between oral health and overall health. Performing clinical studies in cooperation with leading dental universities
- Future potential for data generation and integration into the cloud based Digital Health Platform to provide total health and well-being solutions

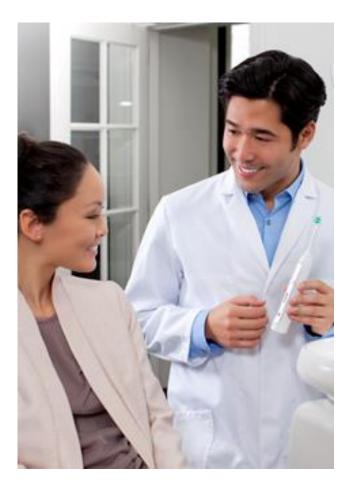






Key takeaways

- Consumers show growing awareness of the importance of their oral health care
- Oral Health Care is a gateway to overall health
- The Electric Oral Health Care market offers significant potential and we are gaining share
- We deliver **superior innovations** that improve oral health and drive our global share increase
- We continue to capture the value creation opportunity by leveraging our repeatable model for success



Healthy cooking: foundational to your health

Pieter Nota CEO Philips Consumer Lifestyle





Healthy Cooking is foundational to overall health

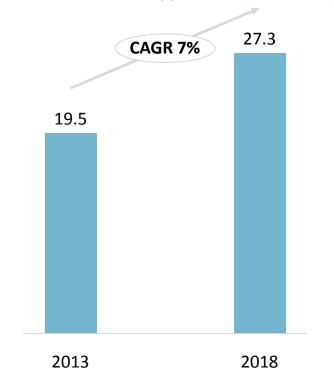
- Healthy eating is a global mega trend and consumers increasingly value fresh, home made food
- Understanding local consumer insights is key to success
- Philips improves people's lives by developing healthier, tastier and easier ways to cook, around the world





Philips is market leader in multiple segments of the growing small kitchen appliances market

The market for small kitchen appliances offers substantial potential



*Market size small kitchen appliances*¹ (EUR billion)

Key achievements

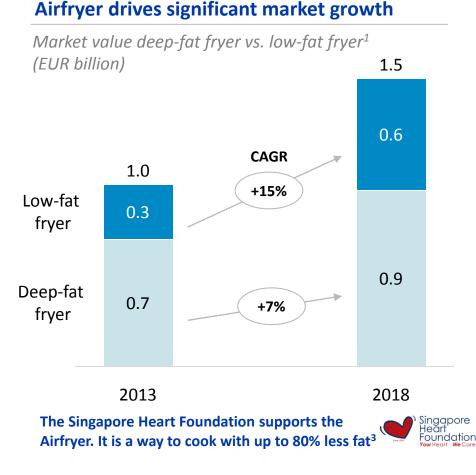
- Present in over 100 countries around the world with a global market share in the low teens
- Philips has achieved global market leadership in several segments²
 - #1 brand in Home Cooking & Food Preparation Devices
 - #1 brand in Low Fat Fryers
 - #1 brand in Juice Extractors
 - #1 brand in Food Processors
- Brand preference³ increase of more than 3 points
- ~50% of our products score 4.3 or higher in consumer ratings⁴ (out of 5)

Philips improves people's lives around the globe by developing healthier, tastier and easier ways to cook

- Global network of product creation hubs enable locally relevant innovation
- Converting local insights into locally meaningful propositions
 - Airfryer adapted as "NonFryer" in Japan
 - Soymilk Maker in China adapted as Soup Maker in Europe
 - Noodle Maker in China adapted as Udon Maker in Japan; Pasta Maker in the USA



Our innovations drive market growth and we bring them to global scale: Airfryer example



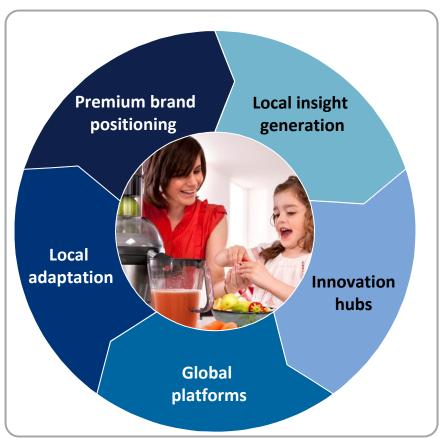
Scaling towards a strong geographical presence

- Philips is the # 1 brand in Low Fat Frying²
 - 3.7 million Airfryers sold
 - Available in 100 countries
 - Hundreds of recipes
 - Collaborations with 10+ food companies
- Japan (#3 market worldwide) has achieved 4% market share in small kitchen appliances in < 2 years with locally relevant NonFryer
- North America (#1 market worldwide): Airfryer just launched and off to a strong start; MasterChef partnership heats up interest

13 ¹ Euromonitor ² Euromonitor - low fat fryers is per light fryers category definition; retail volume sales 2012 and 2013

¹³ ³ Compared to fresh fries prepared in a conventional Philips fryer

We continue to create value through global scale and local relevance with our repeatable model for success



Repeatable model for success

We will continue to create value

- Expanding current portfolio with relevant added benefits, extending the attractiveness of our propositions
- Geographical expansion addressing white spots
- Healthy Cooking extends to personal nutrition management enabled by digital connectivity and potential integration of data into the cloud based Digital Health Platform

Key takeaways

- Healthy Cooking is a key contributor to overall health
- The market for small kitchen appliances is growing and Philips is leading in multiple segments
- Philips improves people's lives by developing healthier and easier ways to cook
- Philips has a proven repeatable model for success, leveraging global scale and local relevance
- We see a **sustainable level of growth** driven by innovation and geographic expansion



We will leverage consumer capabilities to increase growth and profit in our home care businesses





Supporting affordable healthcare through Definitive Diagnostics

Brent Shafer Philips North America





Definitive Diagnostics: the most efficient and effective way to an accurate diagnosis

- Rapidly get to the right diagnosis to move into treatment phase
- Accurately monitor treatment progress and adjust to ensure effectiveness
- Requires **advanced imaging** to acquire data, combined with all the relevant information about the patient
- Both customers and patients looking for a **definitive and accurate diagnosis**

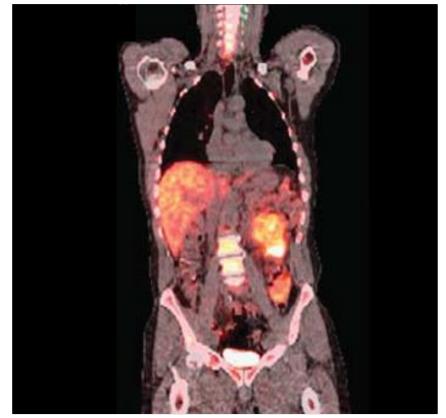


The shortest path to the best care at the lowest cost



Significant improvements in diagnostics to yield major benefits for patients and Healthcare Systems

- Market for Diagnostic Imaging and Informatics estimated at EUR 24+ billion¹, very substantial additional opportunity for pathology and point of care diagnostics
- Significant strides to made, despite enormous progress in last decade
 - 40,000 critically ill U.S. hospital patients die with unknown medical condition
 - Over 100k misdiagnosis claims in NA
 - Misdiagnosis of Alzheimer's can cost up to USD 14k per patient, per year
- Improvements in diagnostics and informatics will have huge impact on healthcare quality and cost





Expand beyond single system deals and build complete integrated solutions from unique portfolio of offerings

Digital imaging



Ingenia Digital MRI Unique imaging and workflow benefits



IQon Spectral CT Allows tissue characterization



Vereos Digital PET-CT Breakthrough in image quality and quantification

Advanced informatics



IntelliSpace Portal

Visualize integrated information for decision support



Digital Pathology Digitization of pathology information for diagnosis



Co-creation partnerships to design integrated clinical solutions

Creating a stronger competitive position



Diagnosing and tracking cancer

- Cancer is becoming a chronic disease, with many patients treated for years in the advanced stage; escalating costs
- Philips Multi-Modality Tumor Tracking is used by many, including MD Anderson Cancer Center for more confident, precise decision making
- Cleveland Clinic, Johns Hopkins, Mayo Clinic, Duke and more – improve diagnosis of prostate cancer using UroNav which combines imaging techniques for biopsy
- Of the top 50 cancer hospitals in the U.S. named by US News in 2014, 100% choose Philips: e.g. Memorial Sloan Kettering, Dana Farber

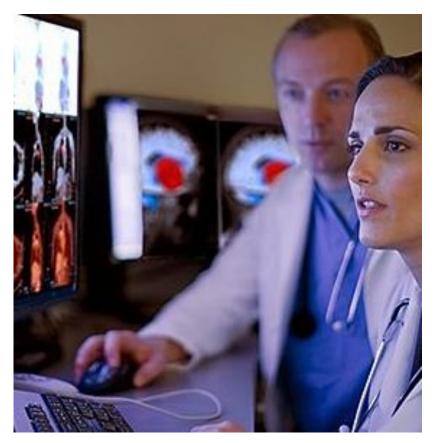


Top 50 cancer hospitals in the United States named by US News in 2014

Driving definitive diagnosis through partnerships

• University of Washington

- Serving a large and diverse population: 1/4 of the land mass of the US (including Alaska)
- Innovating their clinical practice to drive definitive diagnosis and effective patient management
- Philips and the University of Washington are combining advanced imaging equipment, processing and analytics to:
 - Improve clinical outcomes
 - Drive operational improvement and efficiency
 - Reduce costs per patient





Growing our business, building on leadership of innovative technologies, integration and partners

Innovative Technologies

- Leading edge portfolio of digital diagnostic systems
- Multi modality and Multivendor Image handling solutions
- Global offering, building on strong heritage



Integration

- Interface visualization, reporting & collaboration in one platform
- Clinical Decision Support
- Modules for specific workflows



Partnerships

HE JOHNS HOPKINS

- New Business Models
- Smart solutions co-created in clinical environment





Making Cancer History®



Key takeaways

- Market for Diagnostic Imaging and Informatics estimated at EUR 24+ billion¹, substantial further opportunity for pathology and point of care diagnostics
- Philips combines a **unique portfolio** to create complete and integrated solutions for definitive diagnosis
- Improvements in diagnostics will have huge impact on healthcare quality and cost
- Creates stronger competitive position and expands our business so we can grow faster and be more profitable







Advancing treatment with Image Guided Therapy

Gene Saragnese Imaging Systems

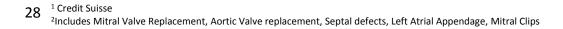




Image guided therapies are growing rapidly

- Rapid growth of minimally invasive procedures
 - Approx. 4 million¹ coronary stent procedures per year globally
 - Minimally invasive repairs of heart defects² expected to quadruple from 2013 to 2020
- Growth in new procedures enabled by real-time imaging, fused images, and advanced guidance
- These procedures provide key benefits for healthcare systems and patients
 - Shorter hospital stay
 - Reduced patient trauma
 - Shorter recovery time







We deliver integrated solutions that provide real time therapy guidance and feedback

Leadership, technology and Clinical Integration

- Leadership positions in iXR¹ and Ultrasound
- Real time image processing
- Device miniaturization
- Deep clinical expertise
- Expanding range of clinical applications for minimally invasive interventions



Innovating with Industry-leading partners

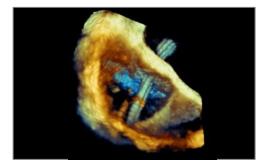
- 100% of the top 50 U.S. Heart Surgery and Cardiology hospitals² in 2014 have chosen Philips
- Plus:
 - University Hospital Eppendorf •
 - University Hospital Beaujon
 - University Hospital Zurich
 - Antonius Hospital Nieuwegein

Enabling Real Time Adaptive Therapy

EchoNavigator

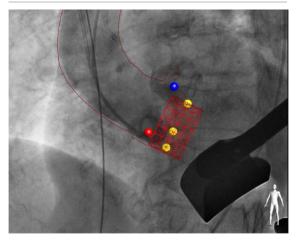
- Fusing live X-ray and live echo for intuitive guidance to treat structural heart disease
- Greater insight and confidence in finding and treating the problem

Top 50 cancer hospitals in the United States named by US News in 2014



We have introduced a wide range of unique therapy guidance solutions

Cardiology

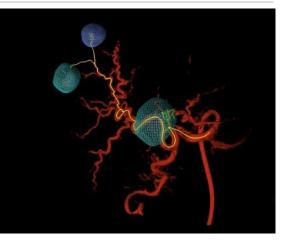


HeartNavigator

30

- Guides minimally invasive treatment of heart defects
- Simplifies planning, selection of the appropriate device and choice of optimal imaging parameters

Oncology



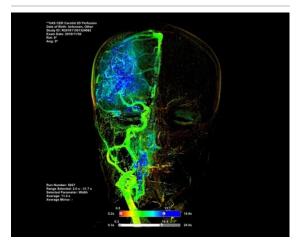
OncoSuite

• World's first complete interventional solution for tumor embolization

MR Linac

 MR imaging allows for real time Radiation therapy optimization

Neurology



NeuroSuite

- Image guided neurological interventions growing at around 9%¹
- Supports catheter guidance through narrow vessels
- Allows more effective device placement

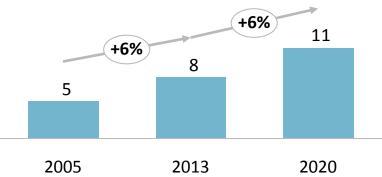


Image guided therapies drive profitable growth for our customers and Philips

- Many new minimally invasive procedures on the horizon:
 - Mitral valve replacement
 - Selective internal radiation therapy
 - Targeted chemotherapy of liver & prostate
 - Stroke treatment
- Enlarging eligible patient population
- Expanding our customers' service offerings
- Expanding our business with software, applications and consumables to gain share
- Philips market opportunity¹: EUR ~4 billion with high single digit growth and above average margins

Growing minimally invasive interventional Cardiovascular procedures

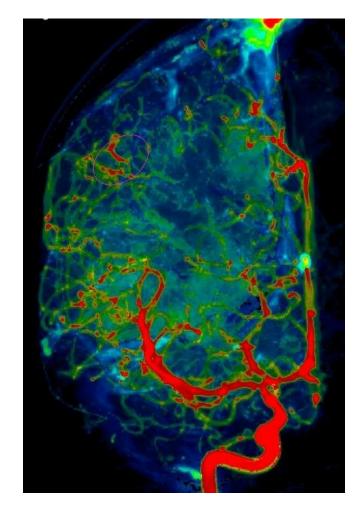
Minimally invasive interventional cardiovascular procedures (million)



- Cardiovascular procedures continue to grow ~6% CAGR¹
- Interventional Oncology procedures expected to grow double digit¹
- Neurological procedures growth 9%¹

Key takeaways

- Image guidance a high growth market with above average profitability driven by benefits to healthcare and patients
- Philips sustained leadership enabled by:
 - Core technology innovations to create integrated solutions
 - Intimate partnerships with industry leading
 Healthcare providers and technology partners
 - High barriers to entry
- Image guided therapies **expanding service offerings** for our customers and Philips





Improving outcomes with Clinical Decision Support

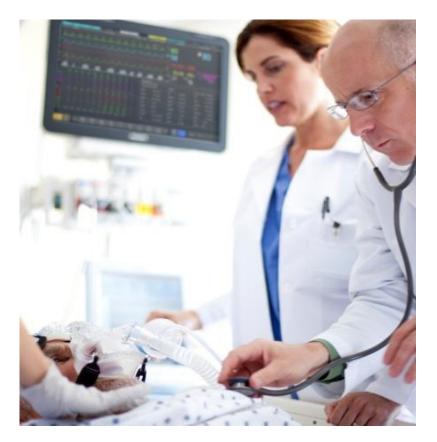
Michael Mancuso Patient Care and Monitoring Solutions





Customers are seeking new ways to improve outcomes and reduce costs

- In the USA, preventable medical errors cost EUR 14-22 billion¹, and an estimated 44,000 to 98,000 deaths are attributed to medical errors ² annually
- In the United Kingdom, 1 of every 10 patients experiences complications during a hospital stay (similar statistics in Spain, France, Denmark)³
- Clinicians handle 2000 data points per ICU patient per day on average; this amount will increase 25% over five years⁴



¹ Kohn L, et al.: To Err Is Human: Building a Safer Health System. Washington, DC: National Academy Press; 1999

- ² Donchin Y, et al. : A look into the nature and causes of human errors in the intensive care unit. Critical care medicine 1995,23(2):294-300
- 35 ³ World Health Organization
 - ⁴ Manor-Shulman O, et al. Quantifying the volume of documented clinical information in critical illness. J Crit Care 2008; 23(2): 245-250.

Differentiation through integration of clinical depth, informatics, and new business models

- Our leadership positions in Patient Monitoring and Therapeutic Care provide integrated critical care around the patient
- Our deep, rich clinical knowledge enables better outcomes
- We are changing the dynamics of healthcare delivery by partnering with **our customers**
- We are transforming care by delivering innovative clinical decision support and data analytics solutions

Worldwide 2013	Market position	Market share ¹
Patient Monitoring	#1	40% 🕇
Therapeutic Care	#1	22%



Clinical Decision Support: A rapidly growing market

Intensive care unit clinical decision support and clinical analytics

2014: A significant presence in a high-cost, high-acuity care area

Hospital-wide CDS, clinical and operational analytics

By 2016: Focus on improving whole hospital populations by improving care for patients

Decision support for governments, pharma, and Accountable Care Organizations

By 2020: Scale globally to cover population-level, information exchange, across the Health Continuum including the home



EUR 0.8+ billion



Put on in the emergency department, worn throughout the hospital stay and at home

EUR 2+ billion



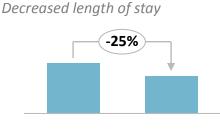
EUR 4.6+ billion



Major clinical studies: Improved outcomes and savings

Guardian "Vitals" study

- 18,000 patients, 10 hospitals, three continents
- Decreased length of stay by 25%
- Decreased time to complete and record vital signs by 33%
- Increased survival of deteriorating patients by 6.3%¹



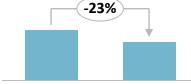
Baseline With solution

Using analytics to improve decision making, support rapid response teams, and save lives

Catharina Hospital, Netherlands

- Automated early warning and decision support study
- Decreased unplanned readmissions to the ICU by 23%
- Decreased length of stay by 24%

Decreased unplanned readmissions to the ICU



Baseline With solution

Improving care and shortening hospital stays using clinical decision support

Project AWARE with Mayo Clinic

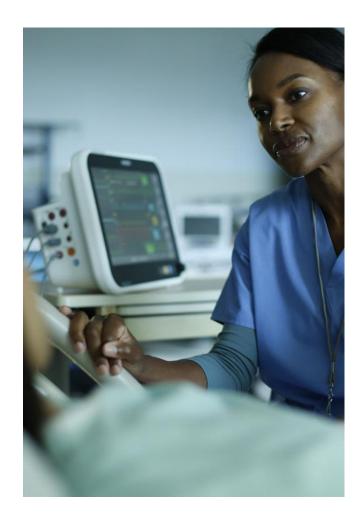
- Patient-centric, clinical decision support and analytics for intensive care across 12 hospitals
- Expected results
 - EUR 62 million savings over 3 years through efficient resource utilization, reduced length of stay
 - Better adherence to best practices and care protocols
 - Improved outcomes by decreasing ICU complications, mortality, and readmissions

Improving clinical and economic outcomes in the intensive care unit with decision support and analytics

¹ Bellomo R, Ackerman M, Bailey M, et al. A controlled trial of electronic automated advisory vital signs monitoring in general hospital wards. Crit Care Med.

Key takeaways

- Our leadership positions in Patient Monitoring and Therapeutic Care provide great outcomes for doctors and patients and drive significant value creation
- Philips innovative clinical decision support solutions improve outcomes and safety, and lower costs for patients and hospitals
- Philips has demonstrated improved outcomes and healthcare savings in major clinical studies
- Rapid innovation in delivering integrated critical care around the patient enables us to expand into new markets, including the home







Driving Transformative Partnerships across the Health Continuum

Bob Reese Healthcare Transformation Services





Driving transformative healthcare partnerships

- Increased **pressure to reduce healthcare cost**, especially for complex care and chronic diseases
- As individuals decide how to access healthcare, solutions required to be **patient centric**
- Customers seeking to secure long term access to state-of-the-art equipment and services at predictable cost
- Faster adoption of innovation





Redefining the delivery of care in partnership with the Stockholm County and Karolinska University Hospital

- Philips will provide access to state-of-the-art imaging systems equipment and services for 14 years for 600bed new hospital site, at predictable costs
- Strong focus on
 - Continuous education services
 - Professional services to optimize efficiency, care flow and outcome
- Innovation center bringing together industry, academia and healthcare institutions
- Improved opportunities for individual decision making in **improved access to high quality care**
- Rapid implementation, testing and learning of process, technology and people related improvements





Driving value for customers, patients and Philips

Benefits for the customers and patients

- Hospital remains current with up-to-date technology at predictable cost
- Improved patient care and clinical outcome through better coordinated care
- Faster innovation and continuous education through local hubs

Benefits for Philips

- Incremental value through a combination of equipment, solutions and services
- Predictable revenue stream
- Stronger position for Philips through a long term relationship with the customer

Recurring revenue built up of several streams

Initial Lifecycle Education & Add-on **Total** solution services professional business **value** services

Generates a recurring revenue stream for multiple years with solutions that include Education, professional services and add-on business increase value up to 30%

Building strong partnerships in a high growth market

Commitment to customers

Performance metrics

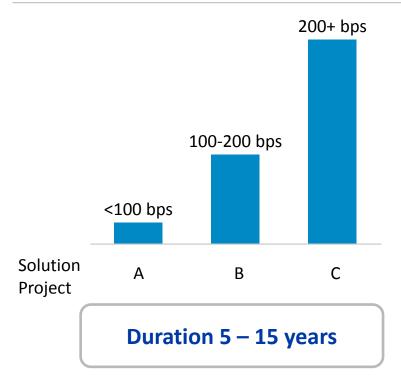
- Up time
- Resolution time
- Customer satisfaction rate
- Training and education program according plan
- Technology innovation roll-out according plan
- Cost savings and efficiencies according plan

Addenbrooke's Hospital, Cambridge **Orbis Akerhus University Hospital** La Fe**Georgia Regents Mount Vernon Hospital, London Rijnland Isala klinieken Rijnstate** New Karolinska Solna **Kings College Hospital London Royal Victoria Hospital Belfast** Sant Pau 12 hospitals Bahia state **New Cross Hospital Wolverhampton** Ashford and St Peters Kubin Clinic

20+ projects under negotiation Increase value up to 30%

Our integrated solution approach is margin accretive to our overall business

Solutions margin increase vs stand-alone sales model



- Higher market share of equipment, better ability to consider total lifetime value
- Higher percentage of services
- Additional consulting opportunities to advise on enterprise cost reduction
- Visibility and access to adjacent opportunities in products, IT integration, data analytics (SaaS)
- Significant potential to drive SG&A productivity

Key takeaways

- Accountable care and value based healthcare are changing the global landscape
- Health systems are looking to achieve better clinical outcomes, patient access and financial performance across the Health Continuum
- Opens up tremendous growth opportunities, new business models, and multi year partnerships; value and growth accretive
- Philips is acting on the opportunity already with transformative services, system integration, and supporting population health management





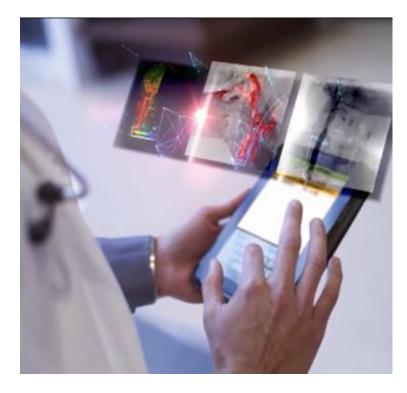
Enabling the Health Continuum with Informatics

Jeroen Tas Healthcare Informatics, Solutions and Services





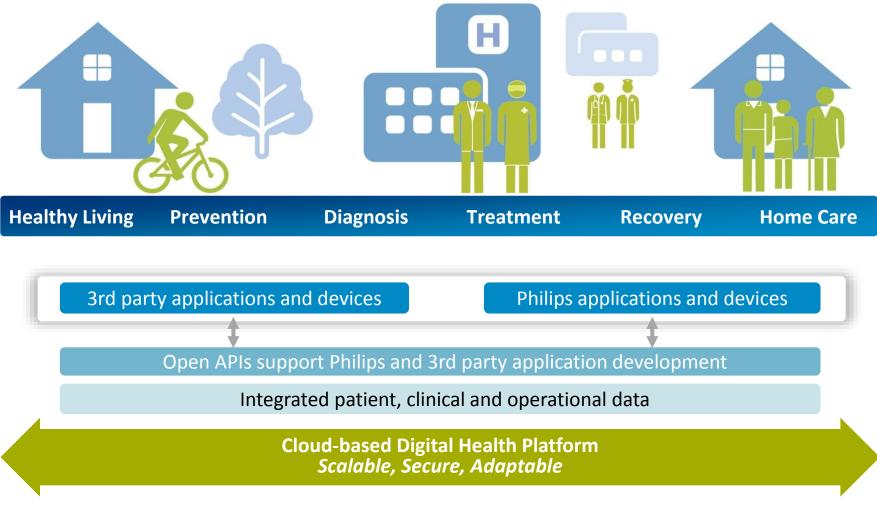
The changing global healthcare landscape requires a fundamentally different informatics approach



- Enabling population health management, including Healthy Living and Prevention
- Patient centric solutions, with built in collaboration models across the health continuum
- Integrating data from disparate point solutions across hospitals, physician practices, insurance, consumer homes
- Provide actionable and context sensitive information to clinicians, patients and care givers

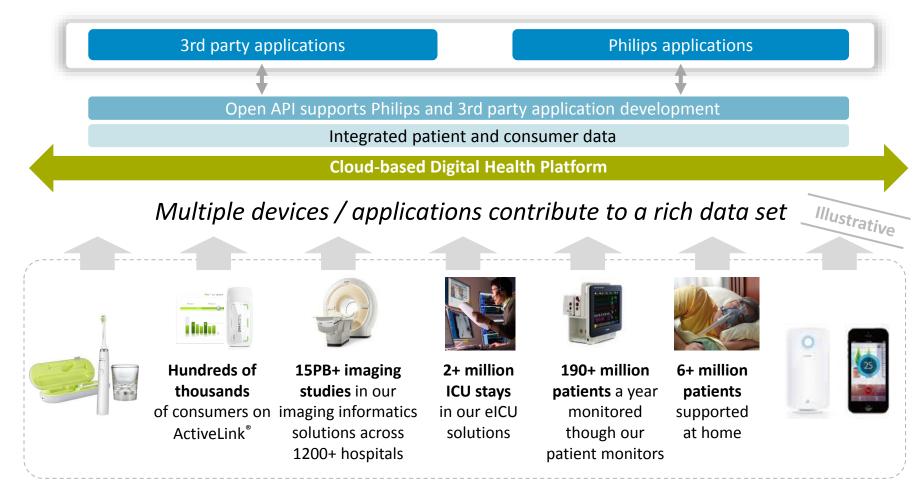


Philips Digital Health Platform designed to support the Health Continuum





Our clinical depth and data pools across the Health Continuum put us in a unique position



Application suite includes care coordination and remote patient monitoring for improved outcomes

Applications on the Digital Health Platform...

...enabling programs to achieve relevant financial and clinical improvements¹

eCareCoordinator for clinicians

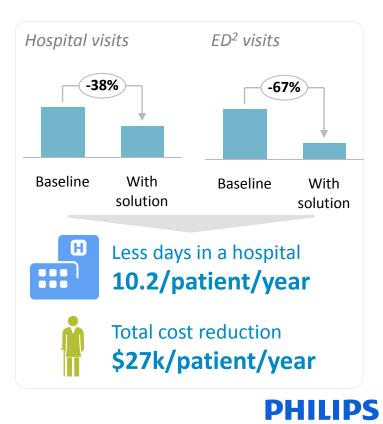
- Population health management and care coordination
- Remotely monitor patients' vital signs and health status
- Monitors hundreds of patients simultaneously and prioritizes need of care through data analytics

eCareCompanion for patients

- Enables real-time communication with care team
- Health coach to patients with chronic conditions like heart disease, diabetes, COPD, cancer







Advanced clinical decision support based on holistic patient view

Innovation programs with leading institutes..

 Innovation programs underway at MD Anderson (radiology) and University of Chicago

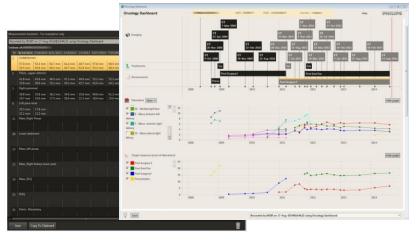
THE UNIVERSITY OF TEXAS MDAnderson Cancer Center

Radiology, Oncology



...to improve diagnosis / treatment of acute conditions (e.g. cancer)

- Information integrated from multiple patient studies
- Presents treatment progress on multiple tumors over time
- Context sensitive information gives the physician concise patient status at the point of diagnosis





Key takeaways

- New solutions for population health and support of the Health Continuum, grounded in big data, social and mobile technologies
- The cloud based **Digital Health Platform** is the foundation for all connected health devices and informatics products
- It is the foundation for an open ecosystem that will drive rapid innovation to deal with the challenges along the Health Continuum around the globe
- Our informatics platform-based business is already EUR 500+ million and we see tremendous opportunities in a large (EUR 20+ billion) and rapidly growing market



