



## Digital transformation: How photography evolved

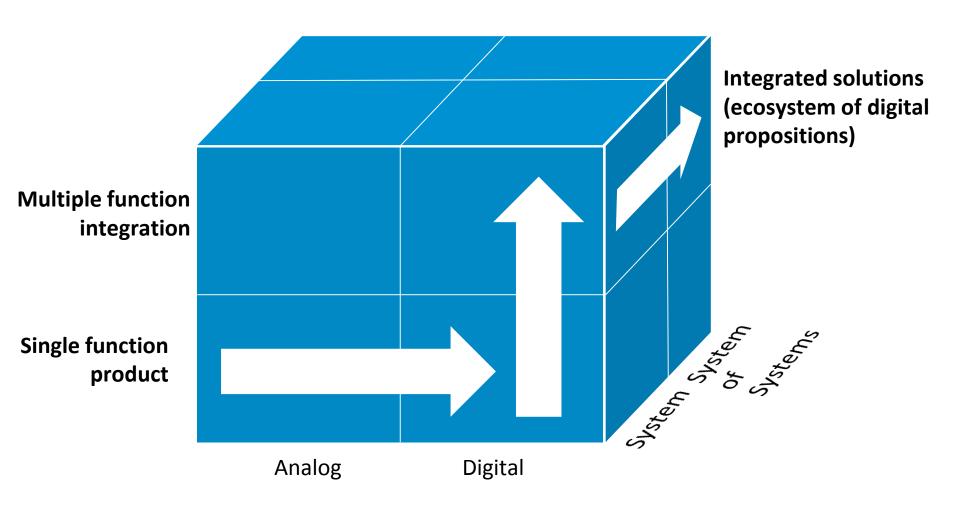






## The pathway of digital transformation

Disrupting industries and society





### Digital transformation in healthcare

From mechanization to digital propositions





## The global health care challenges

## 100% increase of # of people >60

From **11%** in 2000 to **22%** in 2050

## 18 years

Increase in life expectancy

Between 1950 and 2050, globally

## 1 out of 2

German hospitals makes a loss

Healthy life span slowly increasing, about 10 years of living with one or more chronic conditions

## 246 million people

with diabetes, increasing to 380m in 2025

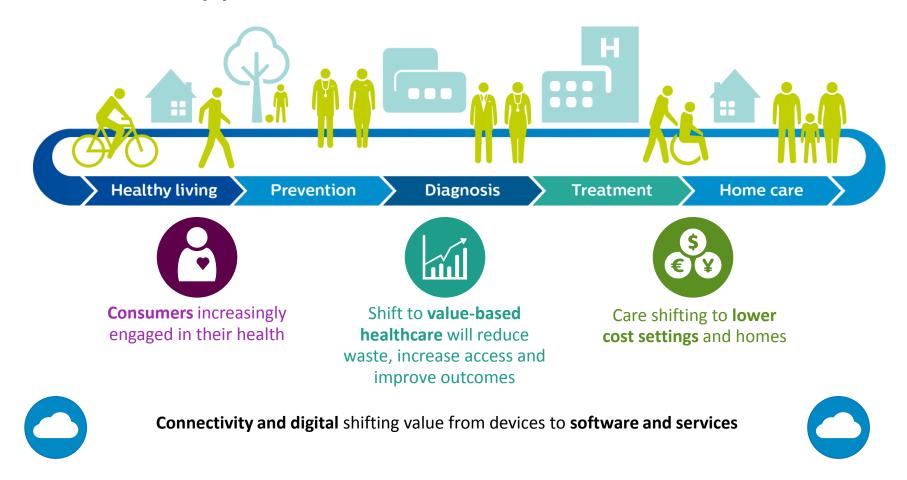
Shortage of 90,000+ physicians

in the US by 2020

0.2 doctors and 2 healthcare workers per 1,000 people in sub-Saharan African



## Trends and opportunities in health tech market



#### 'Industrialization' of care

Enabling providers to deliver lower-cost care and better outcomes

#### Personalization of care

Driving convergence of professional healthcare and consumer health



## Open **HealthSuite** Digital Platform

Enabling ecosystem innovation of digital propositions

## Philips and 3<sup>rd</sup> Party Hardware Software Services



## **Health**Suite Digital Platform



### Consumer & Professional healthcare functionality (API)

#### **Identity and permission control**

**Collaboration** cloud

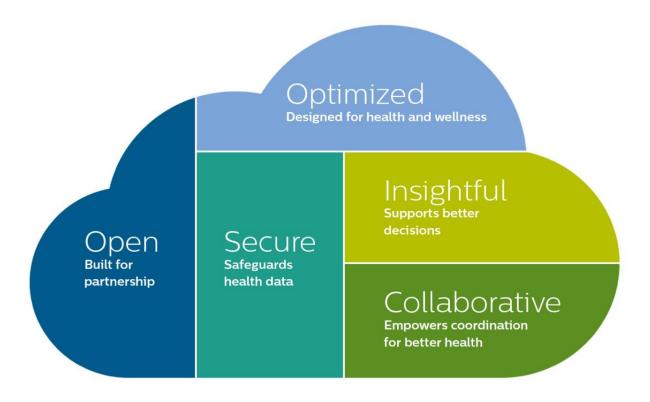
Connected device cloud

Secure data cloud

**Data layer:** user – device – health records



# HealthSuite digital platform powers connectivity across the health continuum



An open, cloud-based platform of services, capabilities and tools that allows Philips and our partners to create the next generation of connected health and wellness innovations





## 3 ideas for action in 2018-20

Trusted big data solutions and cybersecurity for health & care

Robotics, AI, and autonomous systems in healthcare

Accelerating the translation of advanced x-cutting KETs to address healthcare at the point of need

## Some reflections on three actions proposed by DEI WG2

- Three ideas proposed by WG2 for action in WP 2018-2020 make sense
  - COCIR members can contribute to all three; see SRA and comments of COCIR to WG2





- There is a need for more vertical orchestration along value chains
  - In addition to large federating initiatives cutting across sectors
  - European Innovation Partnership on Active & Healthy Ageing could play key role



- Common vision for digital transformation of health and care is provided by BLUEPRINT
- Time has come for a major pan-European initiative on health and care
  - Involving EC (all relevant DGs), Member States, regions and other stakeholders
  - Addressing also policy issues such as balancing privacy and security with free flow of data



### Key takeaways



Digital technologies are key enablers for improved quality, cost efficiency and operational performance across health systems

An open ecosystem as a foundation for innovation

Acceleration of new models of healthcare delivery



Networked care models with active patient and community engagement

Jointly innovate the health system





