



6

# Global Trends Sweeping Healthcare

And How Analytics  
Help You Respond



# Healthcare around the globe is undergoing massive shifts in

- Costs
- Pay structures
- Approaches
- Access
- and more

# The 6 major trends driving many of the changes are:

- Tightly interconnected
- Relevant in both publicly and privately funded healthcare environments,
- Keeping leaders, administrators, and IT professionals busier than ever



## These 6 disruptive trends are:



Unsustainable Costs



Digital Health



Lifestyle Illness



High User  
Concentration



Hospital Overuse



Care Misalignment

How are top healthcare organizations  
**responding** to these trends?

Read on to see how organizations are using  
analytics to **support** clinicians, patients,  
and leaders as the industry transforms.

# 1. Unsustainable Costs



## The Issue

After outpacing economic growth in OECD countries for the last 50 years, healthcare costs have become unsustainable.

## Why?

- Aging population
- Lower mortality
- More chronic disease
- Unnecessary hospital-based care
- Financial incentives for service volume, not preventive health



## The Response

# Healthcare organizations are responding to unsustainable costs through:

- A wellness and prevention approach for patients and employees
- More collaboration with community partners in care handoffs
- New reimbursement models that incentivize for outcomes, not volume

## The Support

**Analytics support cost reduction and payment reform by letting you:**

- Track and report on health to both stakeholders and patients
- Monitor treatment costs against outcomes
- Identify trends and outliers to find cost savings



## 2. Digital Health



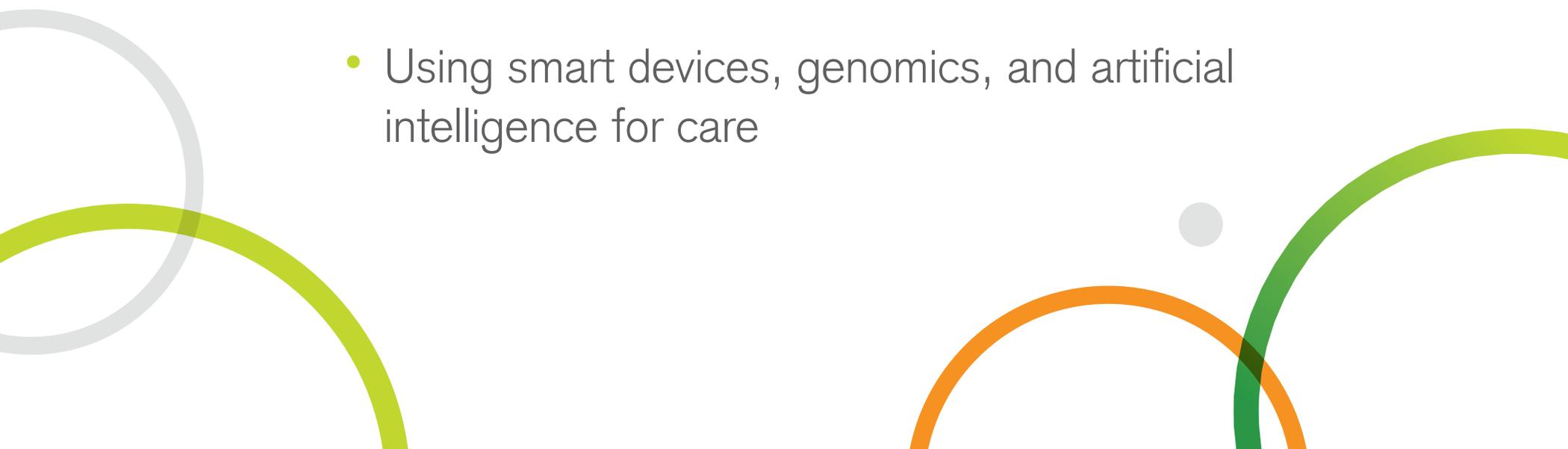
## The Issue

Paper-based systems and lack of real-time reporting make collaboration among healthcare disciplines and institutions difficult. At the same time, health dominates the top 10 emerging technologies.

This means that healthcare is both catching up to and driving emerging technologies. The potential for growth is enormous.



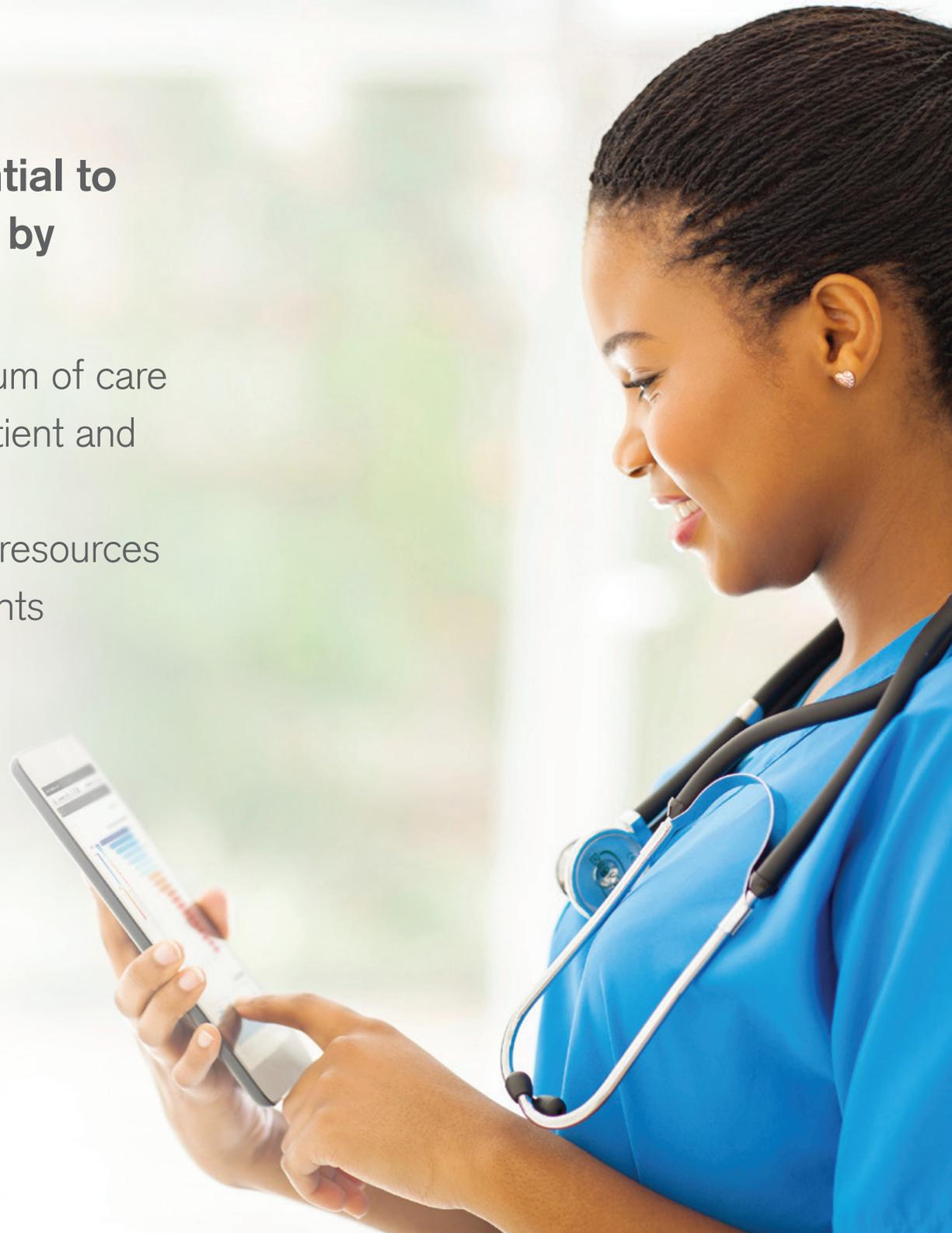
## The Response

- Completely modernizing core transactional systems such as EMRs
  - Responding to growing patient demands for digital health
  - Tracking medications and other inventory through RFID networks
  - Mining big data for important new insight into health
  - Using smart devices, genomics, and artificial intelligence for care
- 

## The Support

**Analytics have massive potential to improve health and cut costs by letting you:**

- Integrate data across the continuum of care
- Connect people with real-time patient and institutional information
- Control costs and better manage resources
- Provide new insights into treatments and outcomes





### 3. Lifestyle Illness

## The Issue

Lifestyle diseases such as type 2 diabetes, heart disease, and COPD are now killing more people than infectious diseases on every continent.

## Why?

- Vaccines and antibiotics have reduced the spread of infectious diseases
- Non-communicable diseases are a major driver of care cost increases
- NCDs stem from stress, obesity, and sedentary lifestyles



## The Response

# Healthcare organizations are responding to lifestyle illness through:

- Identifying and addressing the social determinants of health
- Promoting interventions such as vaccinations, accident prevention, and healthy lifestyles
- Encouraging patients to take a more active role in their own health
- Helping chronic disease patients track their own health metrics and adjust behaviours

## The Support

### Analytics support prevention by letting you:

- Identify at-risk patients and groups
- Measure the outcomes of population-level interventions
- Promote wellness by letting patients access their own health analytics



# 4. High User Concentration



## The Issue

The top 1% of healthcare users consume 30% of health resources

## Who are the 1%?

- Nearly half are elderly
- Many have preventable illnesses such as heart disease and Type 2 diabetes
- Underserved people with unmanaged physical and mental health issues
- Reactive (instead of proactive) treatments drive up personal and societal costs through emergency visits, policing, and more



## The Response

# Healthcare organizations are placing more focus on the top 1% by:

- Identifying patients in the 1%
- Addressing issues that lead to ill health in targeted population segments
- Finding better ways to manage homeless, palliative, and chronic care
- Seeking more access equity to improve health at a societal level

## The Support

**Analytics support this focus on top users by letting you:**

- Identify outlying high-use patients and track their health on a regular basis
- Monitor effectiveness of past treatment against new models





## 5. Hospital Overuse

## The Issue

Expensive and unnecessary hospital-based acute care is often the default, driving up costs and reducing quality of care.



## The Response

# Healthcare organizations are reducing costly hospital-based care by:

- Carefully managing admissions and discharges
- Delivering care in more appropriate, lower-cost settings such as:
  - Outpatient and community clinics
  - Retirement and long-term care residences
  - Homes and hospices
  - Telemedicine for primary care

# The Support

## **Analytics can support admissions management by letting hospitals:**

- Track, red flag, and improve:
  - Admissions and length of stay
  - Bed use, patient flow, placement, and transitions
  - Discharge and readmissions
- Track and improve health indicators of frail elderly headed for long-term care





## 6. Care Misalignment

## The Issue

Healthcare institutions and professionals work in isolated silos of practice. Lack of integration translates to negative experiences and poor outcomes for patients. Today's empowered and knowledgeable patients expect better.



## The Response

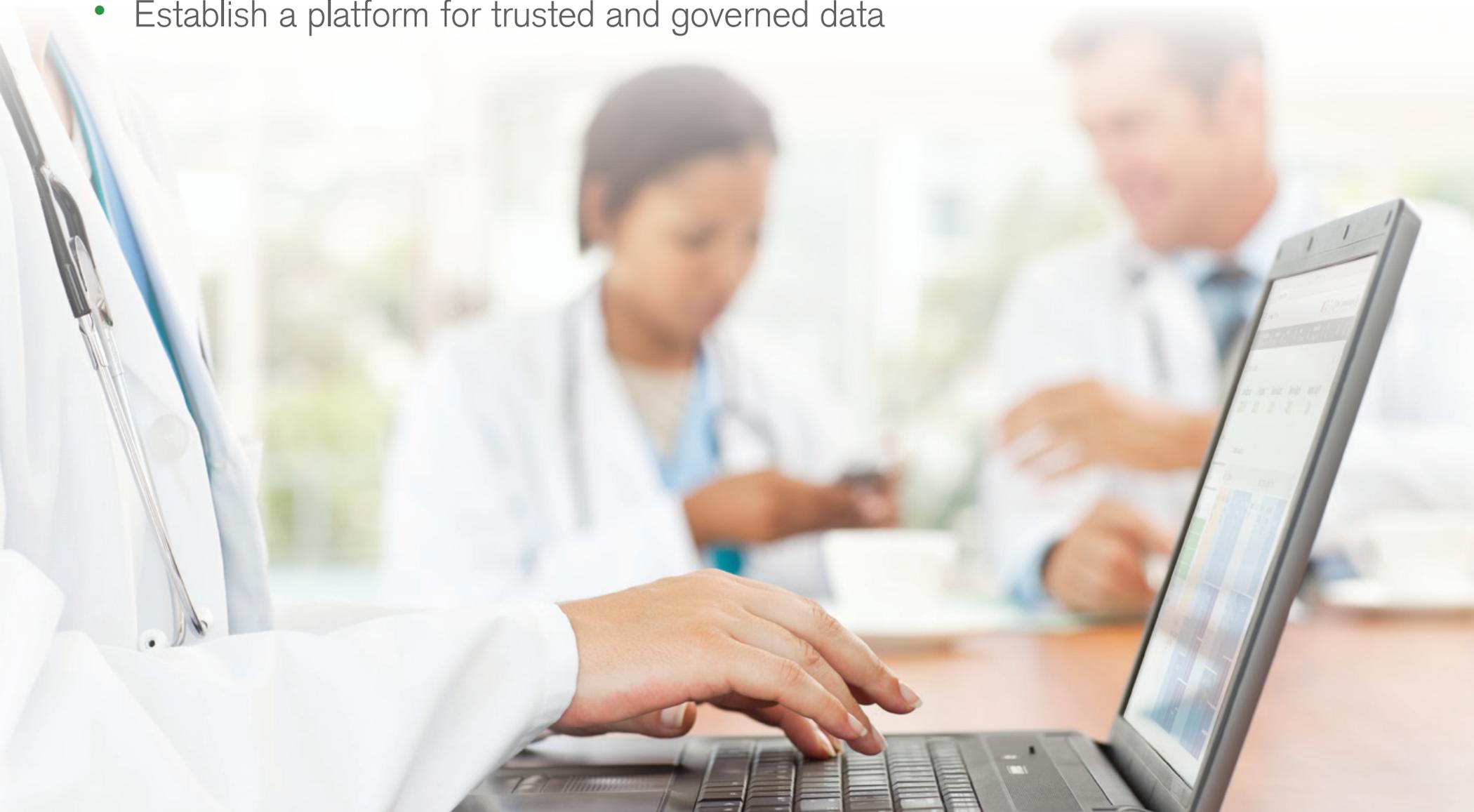
# Healthcare organizations are integrating people and processes by:

- Encouraging interdisciplinary teams of professionals
- Fostering collaboration and patient-centred care, especially for chronic disease
- Sharing records and solutions among institutions and providers

## The Support

**Analytics support care alignment by letting you:**

- Integrate secure patient data across multiple systems
- Easily communicate and share reports
- Establish a platform for trusted and governed data



# Conclusion

Healthcare providers have a unique window of opportunity to embrace efficient new technologies that directly support better healthcare and patient experiences at a lower cost.

## **New healthcare systems will be:**

- Evidence- and prevention-based
- Interdisciplinary and coordinated
- Transparent, accessible, accurate, and understandable
- Focused on improving patient outcomes and experience
- Based on partnerships among stakeholders
- Visionary in their long-term thinking



## About Qlik®

Qlik's healthcare solutions improve care, reduce costs, and deliver higher value to patients.

For more information, visit [www.qlik.com/healthcare](http://www.qlik.com/healthcare).



qlik.com



<sup>i</sup>Bernaert, Arnaud. *Five global health trends you just can't ignore*. World Economic Forum, Apr 10 2015.

<sup>ii</sup>Johnston, Eloise. *The "invisible epidemic": non-communicable diseases*. Governance Across Borders, May 29, 2013.

<sup>iii</sup>*How Much Do We Spend on End-of-Life Care?* Thirteen WNET.