Transformational paradigms poised to redefine healthcare delivery

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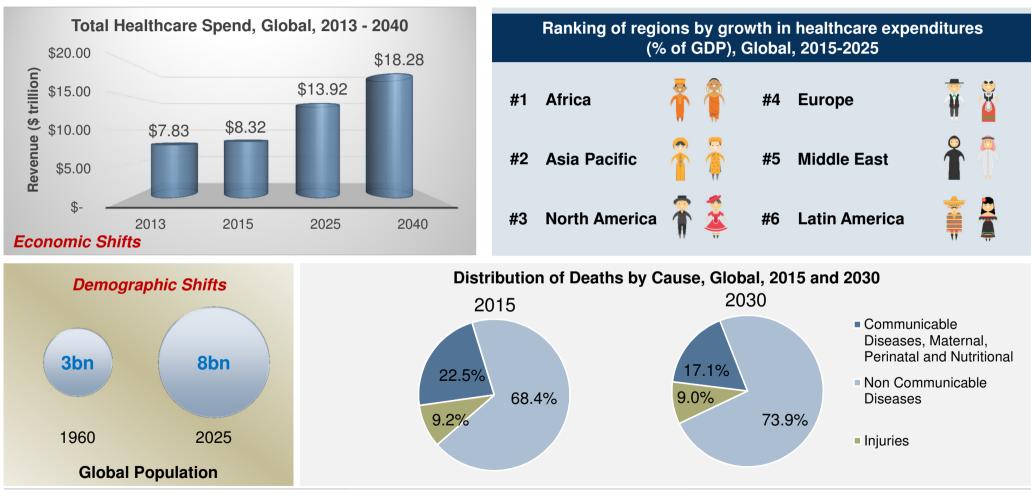
Frost & Sullivan's Transformational Health Practice Addresses the Forces Driving Change in Healthcare

Factors Transforming Healthcare	From Today As-is-State (2015)	How We Can Get There	Future To-be-State (2025)
Focus	Process/Provider Centric		Patient Centric & Participatory
Objective	Symptomatic, Curative		Predictive & Preventive
Access/ Location	Limited in-Hospital care (Centralized)	Strategies ion	 Any time, any place - Homecare (Decentralized)
Technology	Isolated Systems	barriers towards innovative	Integrated Systems (Digital Medicine)
Treatment Methods	Episodic Care (Invasive)	models in Healthcare	Holistic Care (Minimum/Non Invasive)
Medication	Blockbuster Medicine	acto Thends Sector al Trends	Personalized/Precision Medicine
Macro Trend	ls – Overall Healthcare	Sectoral Trends – Healthcare Delivery	Best Practices – Company Specific
and correspor have the stro	nalyse the Mega Trends nding sub-trends that will ngest impact on existing siness model	Identify the future success potential of current and emerging business models across these industries.	Illustrate the opportunities and emerging business model types across selected industries through industry best practices and case studies

The Impetus for Change

Macro Healthcare Spend Globally

It is expected that healthcare expenditure trends (2004-2014) will continue until 2025, with little change



Healthcare Approach – Personalization is Key

Customized care approaches will be the norm for healthcare

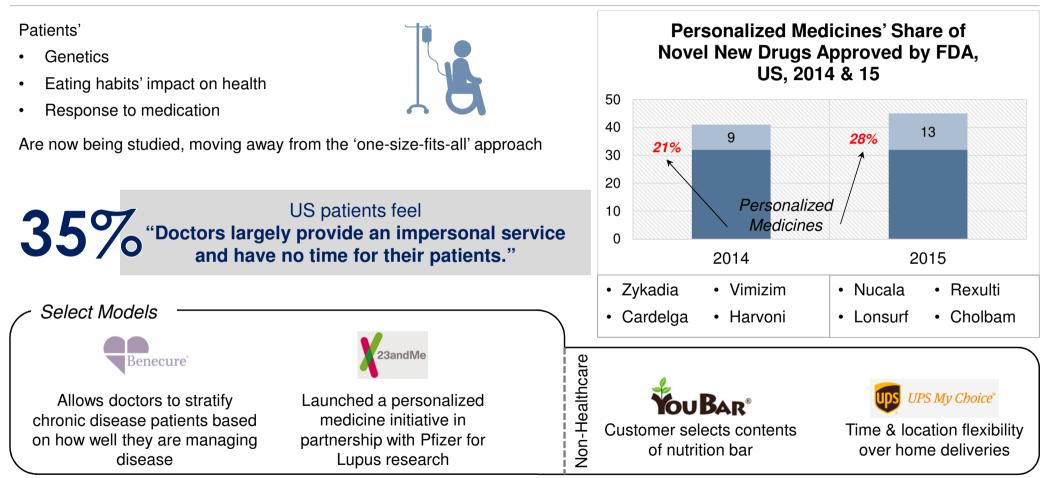
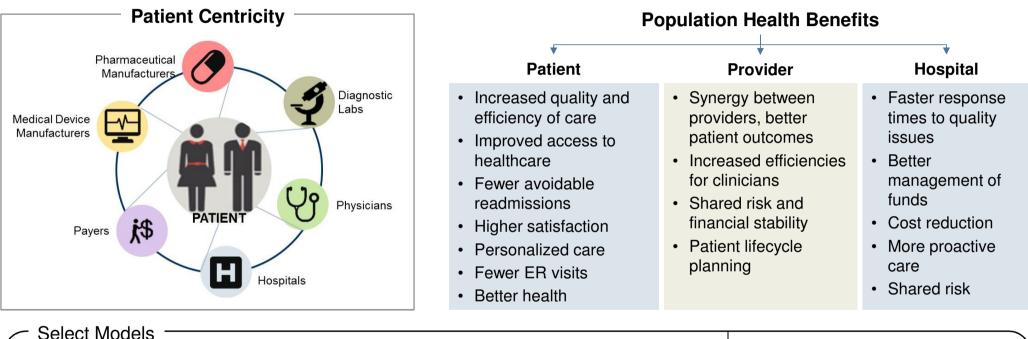


Image Source: Respective company websites. Source: Prophet Survey, Personalized Medicine Coalition, Frost & Sullivan

Clinical Outcomes – Norm of Patient Centricity

Patient centricity and population health are moving beyond the buzzword status, with some stakeholders implementing processes and changes to adapt to the concepts.



ACUPERA

Population health tools use analytics that enable providers to segment and devise strategies for managing patient population Population health platform allows analysis of patient data (inside and outside clinic) with features like automated interactions and EHR integration

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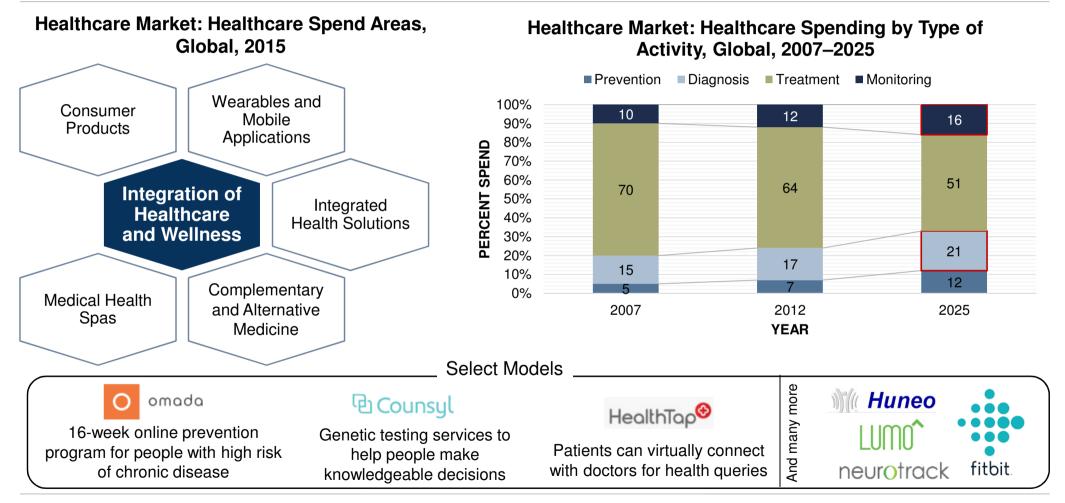
Non-Healthcare

Meet customers where they are

Image Source: Frost Image Database. Respective company websites; Source: Beryl Health (now Stericycle Communication Solutions), Frost & Sullivan

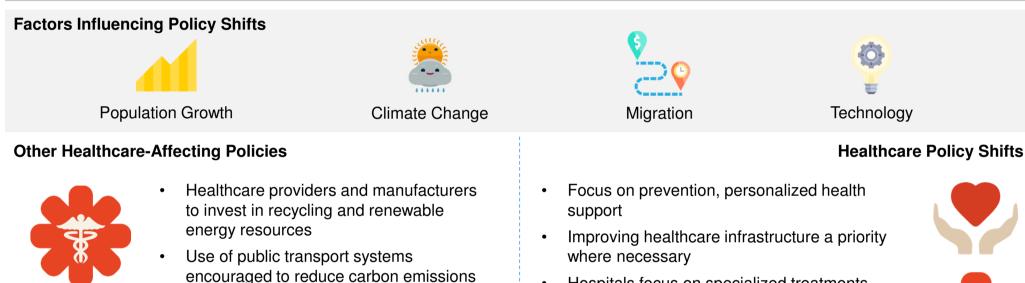
Treatment Focus – Shift to Wellness

Healthcare focus will shift from the sick to include the affected, vulnerable, and healthy, with the aim of prevention is better than cure



Government Policy Shifts

Macro-factors impacting government policies will shape the future of healthcare, and of other industries as well



- Local business and communities preferred for healthcare trade
- Health literacy programs; part of school curriculums
- Financial incentives for retirees to lead a healthy life
- Income equality promotion
- Work-life balance improvements by regulating working hours

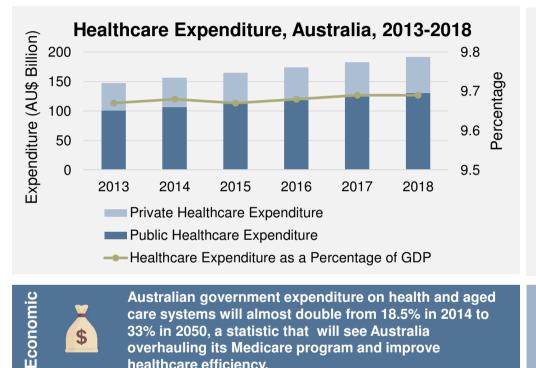
- Hospitals focus on specialized treatments only; general, less-specialized care moves to other care delivery settings, including home
- Specific disease-focused efforts
- Increasing (% GDP) spend on healthcare
- Encourage walking, cycling and other carbonneutral, health-enhancing modes of transport, supplemented by public networks



Australia within the Global Context



Healthcare expenditure per capita hits AUD 6,639... Not only the cost but also the sources of funding and their sustainability is a concern



33% in 2050, a statistic that will see Australia

healthcare efficiency.

overhauling its Medicare program and improve

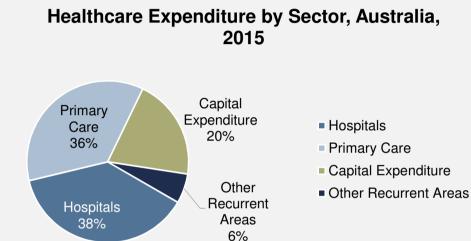
In its focus on tackling chronic NCDs, the

government is targeting chronic diseases

(>11 million overweight Australians)

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Health



Political Socio-

Changes to health insurance regulation expected in Australia with the government framing new policies to provide care with 'value for money'.



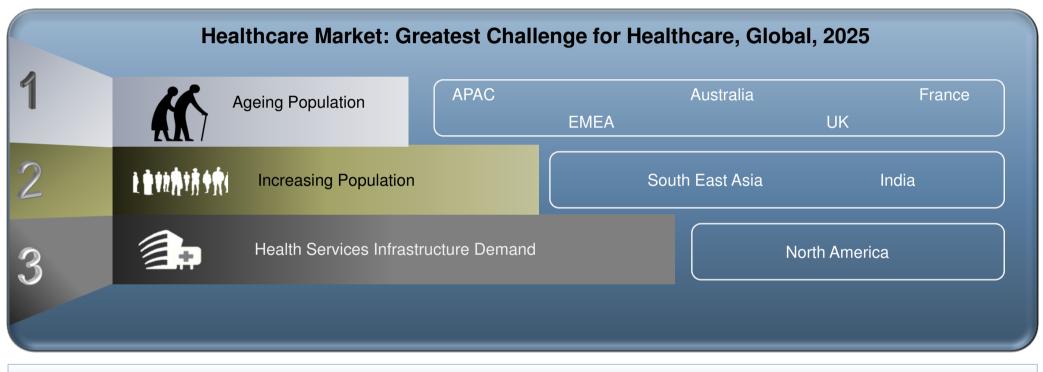
Availability of advanced telehealth services in Australia and increasing costs of nursing home care will continue to allow growth of 'in-home' care.

Source: Australian Institute of Health and Welfare (AIHW); Frost & Sullivan

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2025 Healthcare Regional Challenges

Ageing population, population growth and demand for infrastructure are perceived to be the top global healthcare challenges



A burgeoning population in South-East Asia, especially India, is likely to become the greatest challenge for the region. The APAC and EMEA areas will struggle to serve the healthcare needs of ageing populations by 2025. North America on the other hand perceives health services infrastructure to be the major challenge.

Note: APAC-Asia Pacific EMEA-Europe Middle East North Africa

Image Source: Pixabay, Frost & Sullivan; Source: 'Healthcare in 2025' Polycom Survey, Frost & Sullivan

Regional Inhibitors for Achieving a Better Healthcare Future

Funding, healthcare access and lacking government support are universal issues; wealth distribution disparity and increase in chronic disease incidences are top inhibitors for some of the developed regions

Region	Inhibitor #1	Inhibitor #2	Inhibitor #3		Global
North America	Access to healthcare	Wealth distribution disparity	Funding	(#1)	Funding
Europe, Middle East, North Africa	Funding	Inadequate government support	Access to healthcare	(#2)	Access to healthcare
UK	Funding	Inadequate government support	Rise in chronic diseases		
France	Funding		(40)	Inadequate	
Asia Pacific	Funding	Access to healthcare	Inadequate government support	#3	government support
Australia	Funding	Access to healthcare	Wealth distribution disparity	(#4)	Wealth distribution disparity
South-East Asia	Funding	Access to healthcare	Inadequate government support		
India	Access to healthcare	Inadequate government support	Funding	#5	Rise in chronic diseases

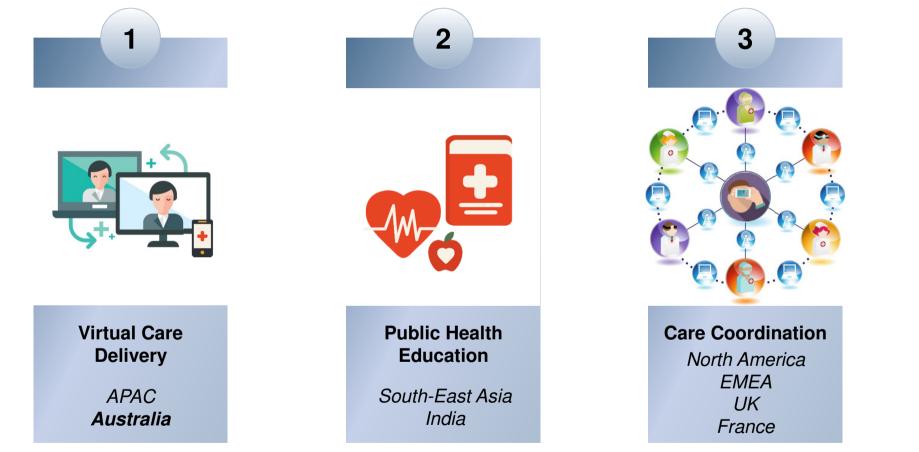
- Globally, funding is a major inhibitor for achieving healthcare 2025 goals
- Regional variations are reflected in the perceptions of healthcare inhibitors wealth distribution disparity is a major issue for developed regions, but inadequate government support is more worrisome for developing regions.

Note: Results from a survey of 1,200 Healthcare professionals conducted by Polycom

Source: 'Healthcare in 2025' Polycom Survey, Frost & Sullivan

2025 Regional Focus on Technology Applications

Inaccessible, remote regions abundant in APAC prompt them to seek virtual care delivery; lack of public health awareness drives need for health education; effective care coordination is the demand in developed regions



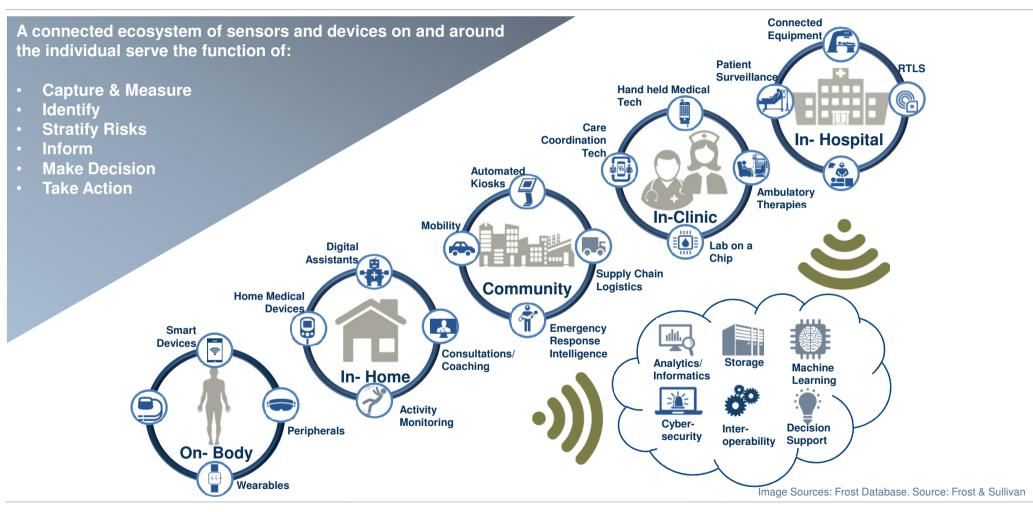
Note: APAC-Asia Pacific EMEA-Europe Middle East North Africa

Image Source: Thinkstock, flaticon; Source: 'Healthcare in 2025' Polycom Survey, Frost & Sullivan

_____ The Future Healthcare Ecosystem _____

The Connected Healthcare Ecosystem

Integration & coordination of a broad spectrum of tools & technologies will result in seamless care delivery across settings



Healthcare Industry Evolution

Marking an end of episodic and discrete treatment models, these new paradigms are aligned with long term strategy focus areas for payers, providers, patients, and solution developers



Healthcare Automation and AI will be Harnessed by Health Systems Increasingly to Enable Care and Reduce Costs



Concluding Thoughts



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