

# Transforming for value in the health system of Saudi Arabia

ICHOM 2023

*Healthcare system transformation think tank*

PRE-READ

2 October 2023

# Overview

Saudi Arabia is currently pursuing a comprehensive transformation of its health sector as part of its national Vision 2030 program; the concept of delivering greater value is central to this transformation

*This brief pre-read provides background on the health system transformation in Saudi Arabia, in advance of discussion at an ICHOM 2023 conference session on 10 October 2023. The document contains two sections:*



Saudi Arabia and its health system



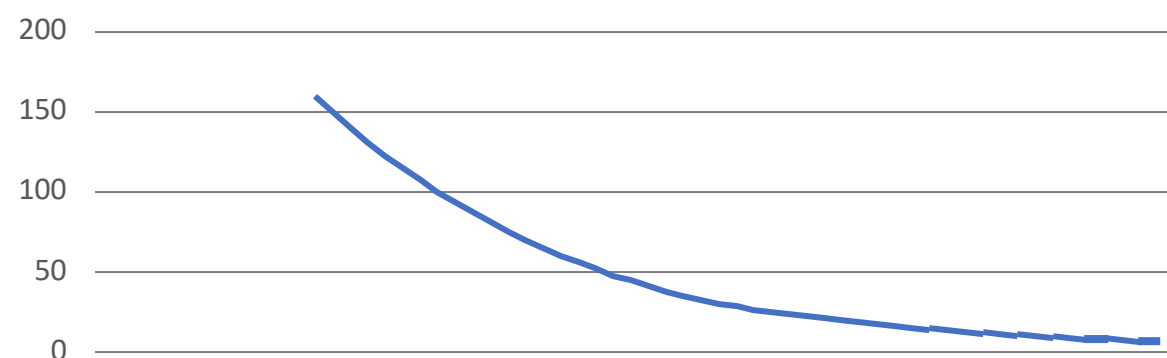
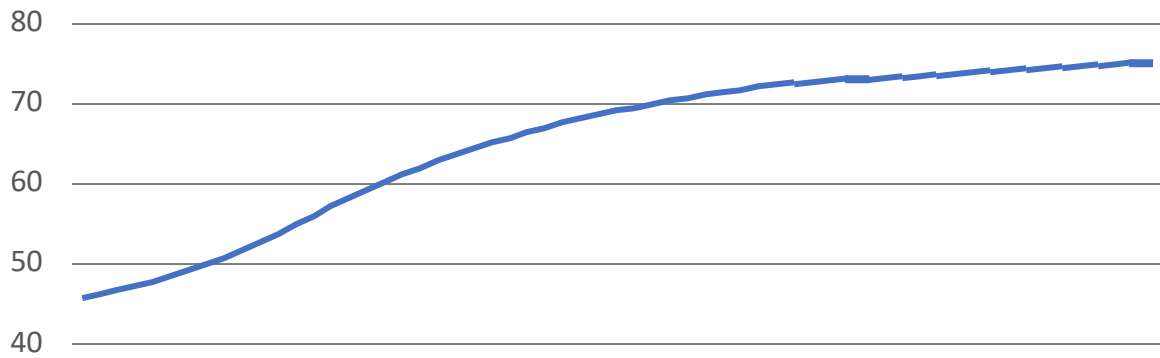
Transforming the health sector  
for value

# Saudi Arabia and its health system

The Saudi population is completing its demographic transition, with the burden of disease shifting from maternal disorders and communicable diseases to chronic conditions (1 of 2)

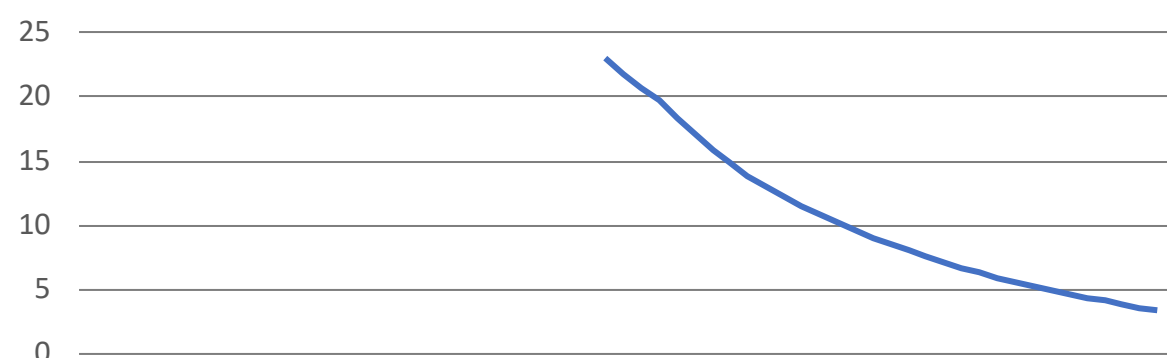
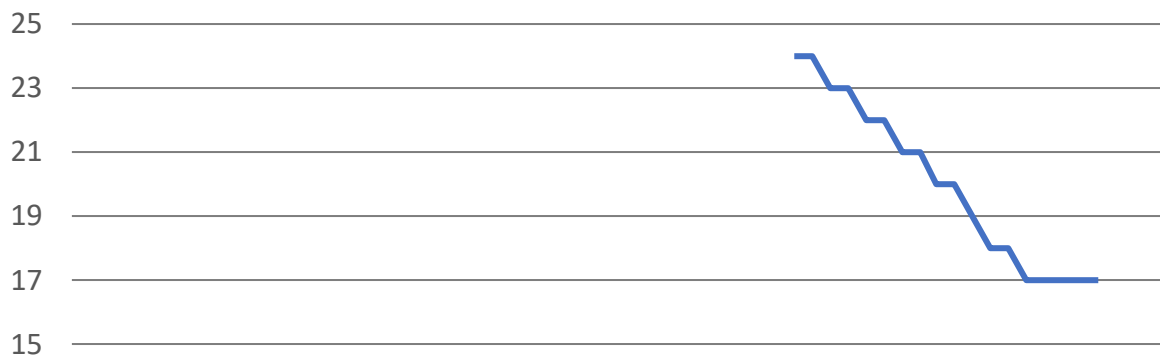
Life expectancy at birth, 1960-2020

Mortality rate, under-5s, 1972-2020



Maternal mortality, 2000-2017

Neonatal mortality rate, 1998-2020



# Saudi Arabia and its health system

The Saudi population is completing its demographic transition, with the burden of disease shifting from maternal disorders and communicable diseases to chronic conditions (2 of 2)

*Top Level 2 causes of DALYs in Saudi Arabia for the periods 1990-2017*

1990

1 Cardiovascular diseases
2 Maternal and neonatal disorders
3 Other non-communicable diseases
4 Unintentional injuries
5 Transport injuries
6 Musculoskeletal disorders
7 Neurological disorders
8 Mental disorders
9 Neoplasms
10 Diabetes and kidney diseases
11 Respiratory infections and tuberculosis
12 Digestive diseases
13 Enteric infections
14 Sense organ diseases
15 Chronic respiratory disorders
16 Other infectious diseases
17 Nutritional deficiencies
18 Substance use disorders
19 Skin and subcutaneous diseases
20 Self-harm and interpersonal violence
21 Neglected tropical diseases and malaria
22 HIV/AIDS and sexually transmitted infections

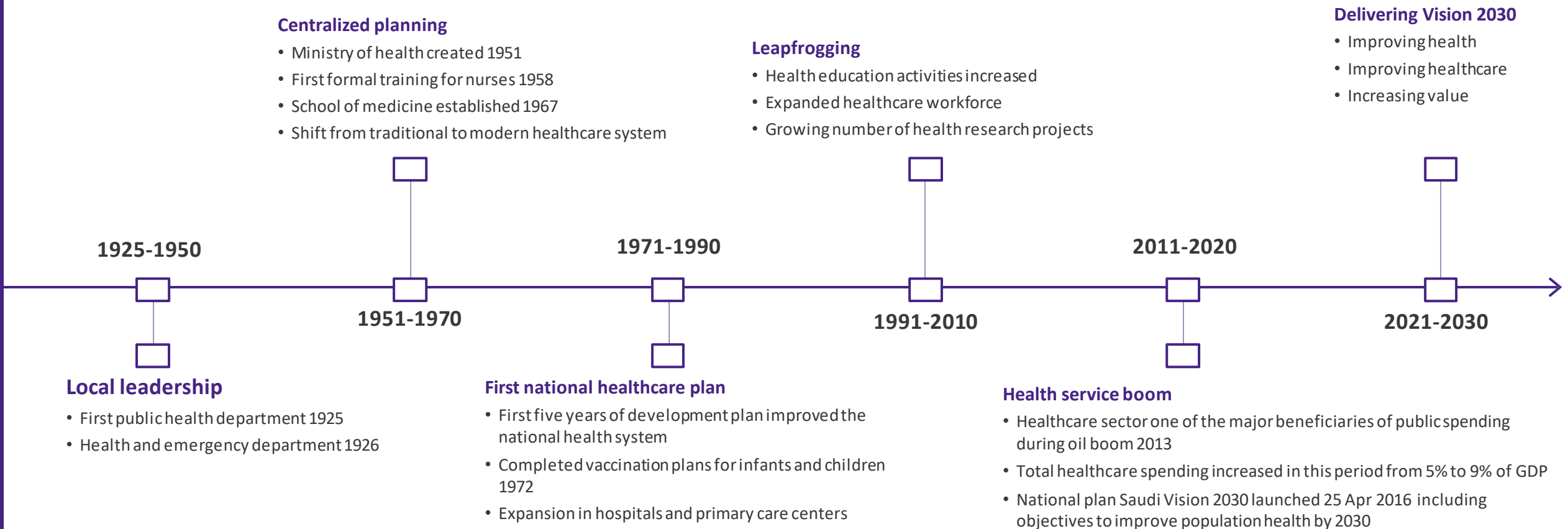
2017

1 Cardiovascular diseases
2 Musculoskeletal disorders
3 Neoplasms
4 Neurological disorders
5 Transport injuries
6 Mental disorders
7 Diabetes and kidney disease
8 Other non-communicable diseases
9 Unintentional injuries
10 Maternal and neonatal disorders
11 Chronic respiratory disorder
12 Digestive diseases
13 Sense organ diseases
14 Substance use disorders
15 Respiratory infections and tuberculosis
16 Self-harm and interpersonal violence
17 Skin and subcutaneous diseases
18 Enteric infections
19 Other infectious diseases
20 HIV/AIDS and sexually transmitted diseases
21 Nutritional deficiencies
22 Neglected tropical diseases and malaria



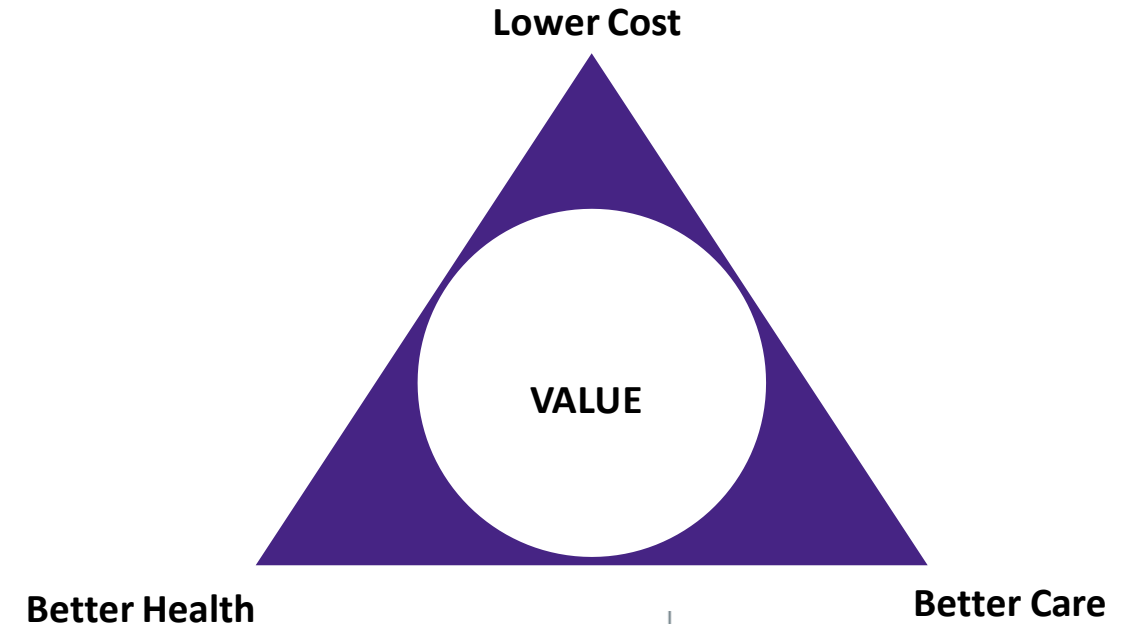
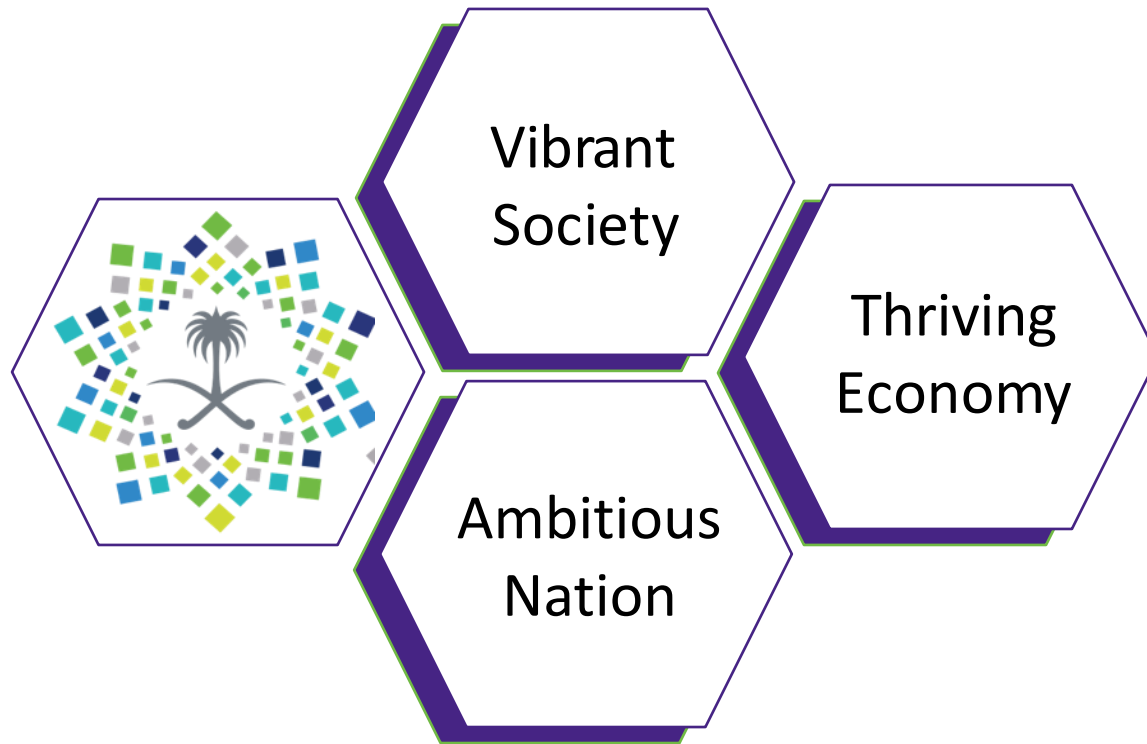
# Saudi Arabia and its health system

The development of the kingdom's healthcare system has seen two rapid bursts of acceleration, the first in the 1950s and the second in the mid-2010s



# Transforming the health sector for value

A new drive for healthcare transformation started in 2016 as part of the national Vision 2030 reform plans



برنامج تحول  
القطاع الصحي



رؤية  
VISION  
2030  
المملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA

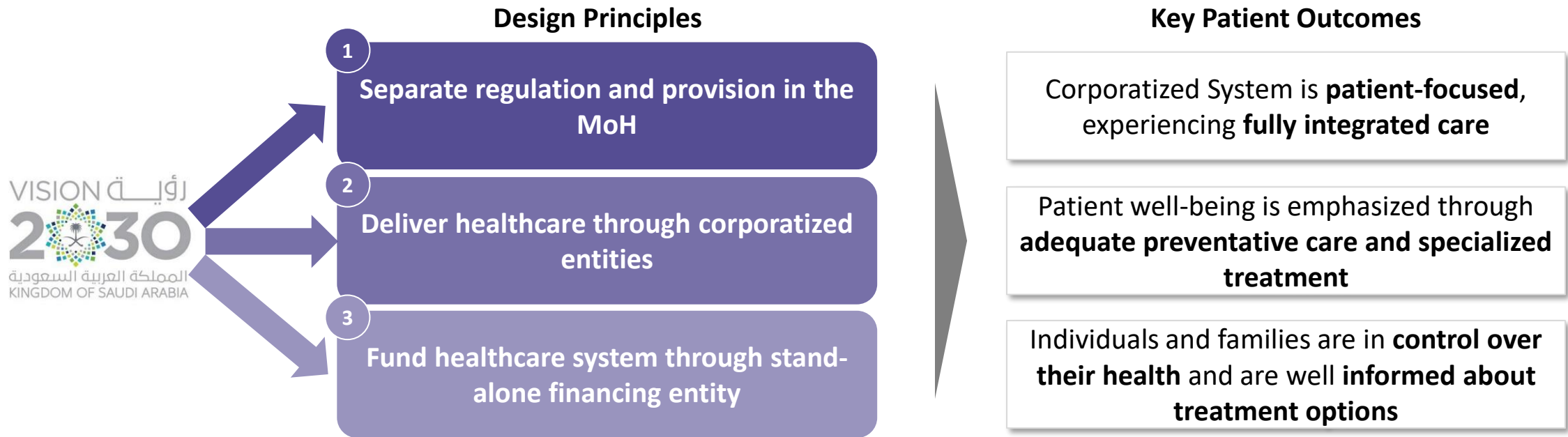
الصلة الحكيمة  
value in health

RESTRICTED

Source: Saudi Health Sector Transformation Strategy

# Transforming the health sector for value

The healthcare transformation is ambitious and broad in scope; one the main programs is to drive clinical transformation through establishing new Models of Care



## Ministry of Health Employee Count



260,000+

## Ministry of Health Expenditure



75 Bn+ SAR

## Ministry of Health Hospitals and Primary Health Centers (PHCs)<sup>1</sup>



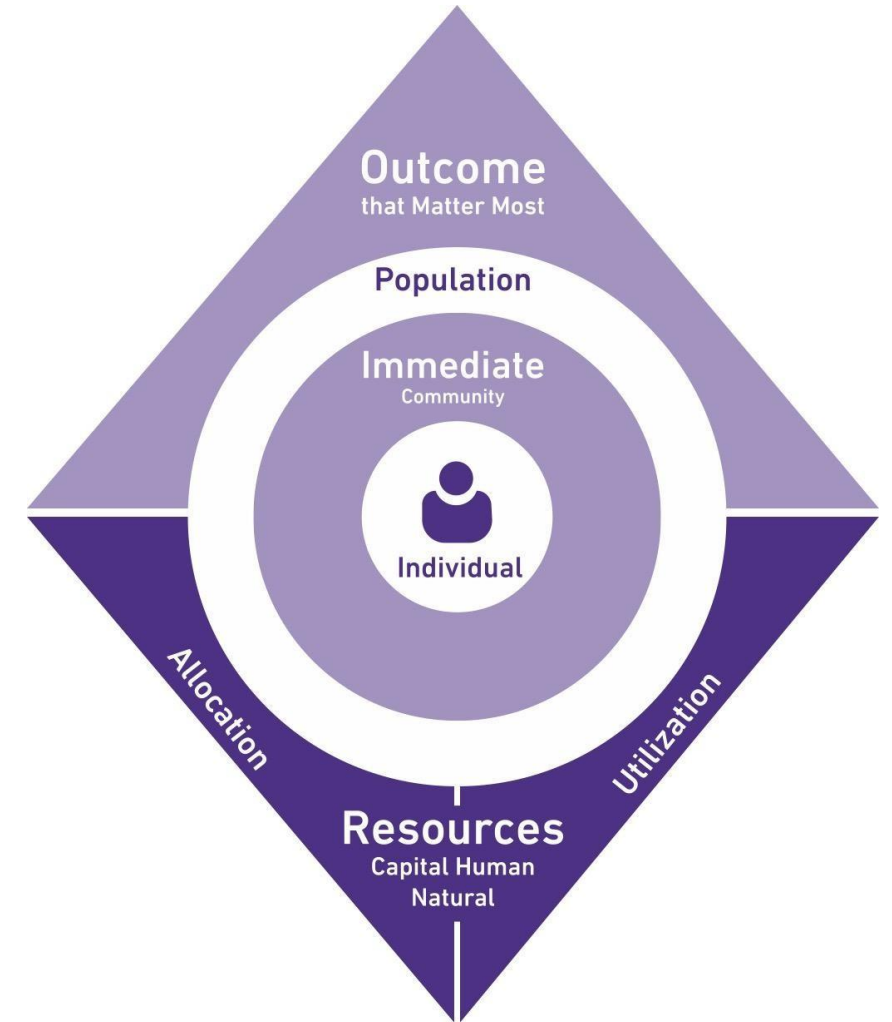
274 Hospitals  
2,325 PHCs

# Transforming the health sector for value

Saudi Arabia has adopted a definition of value in health tailored to the specific priorities and requirements of its population and health system

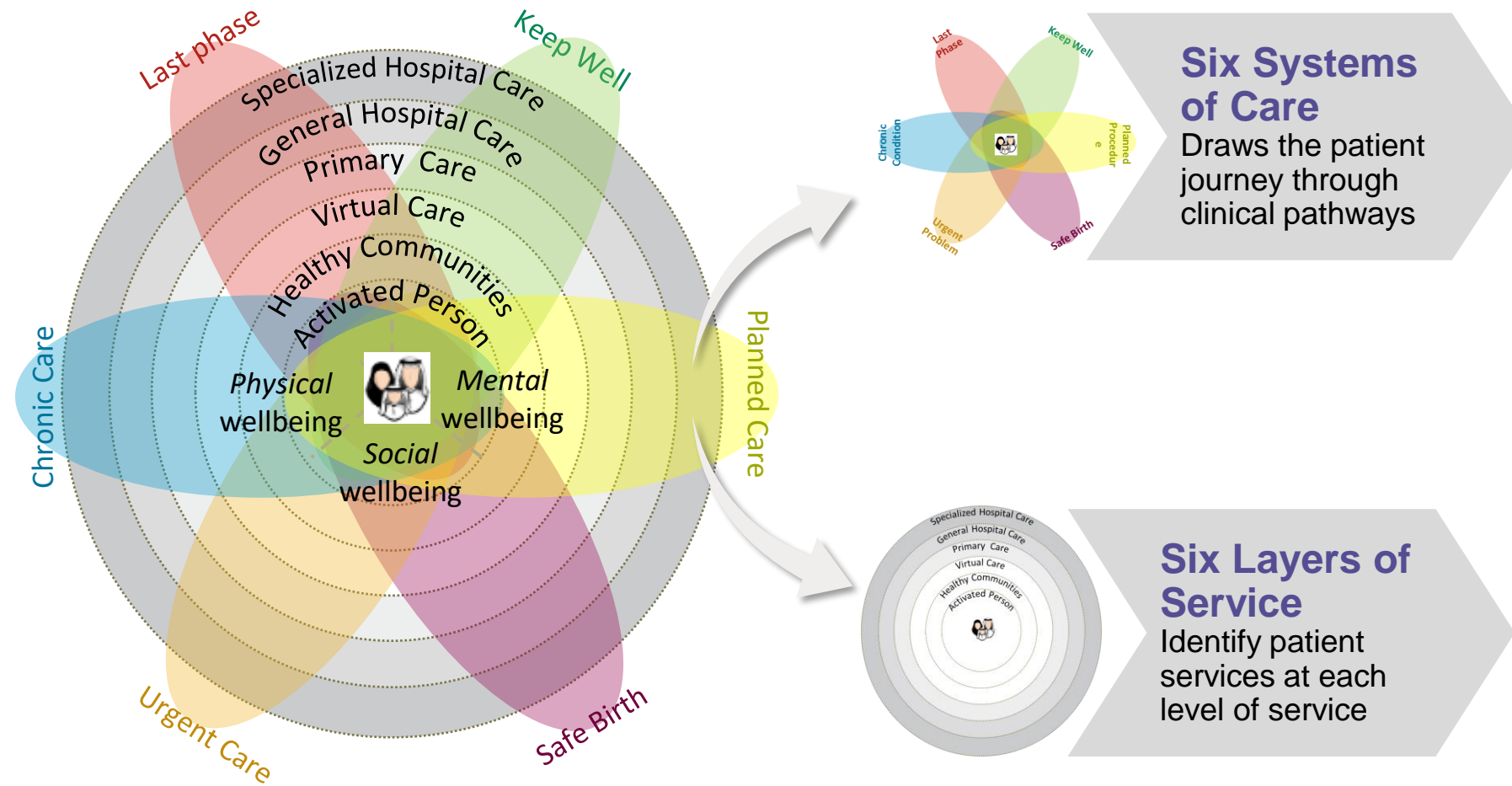
## Value in Health Definition

- Improving Value in Health is achieving the best health outcomes with the optimal and fair allocation and best utilization of resources where "Outcomes" relate to benefits delivered for individuals, communities, and the population; and "resources" include all human, capital and natural resources.



# Transforming the health sector for value

Clinical transformation is being driven through on an extensive national “models of care” initiative, launched in 2017



# Transforming the health sector for value

To date, progress has been made with multiple extensive initiatives on different areas, but challenges remain

## Progress and plans to 2023, examples

- **Clinical services**
  - detailed model of care changes designed
  - enhancement of primary care, “a family doctor for each family”
  - substantial uptake of new technology-enabled services
- **Organization and governance:** public health provider and payer entities established, new measures designed and trialled
- **Data and infrastructure:** data platforms, expanded KPIs, National Case-Mix Center established
- **Health in all policies:** National unit to drive action on social determinants of health
- **National commitment to value:** Establishment of Value in Health, guidance to G20 health value agenda via Global Innovation Hub

## Key challenges

- **Measurement:** improvements in data and measurement have been made but assessing costs and outcomes delivered consistently remains very difficult
- **Implementation:** pace of transformation of frontline clinical services is slow and partial
- **Engagement:** requirement to better communicate changes to drive different population behaviors and better engage patients

## Discussion questions

1. How do we demonstrate that greater value is being delivered?
2. How do we accelerate and scale up change at the frontline?
3. How do we better engage the population to drive and sustain the changes?

# Further reading

Value in Health	<ul style="list-style-type: none"><li>• National knowledge center and think tank for value in health and care in Saudi Arabia</li><li>• Definition of value in health in Saudi Arabia</li></ul>	<a href="https://cvalue.sa">https://cvalue.sa</a> <a href="https://cvalue.sa/wp-content/uploads/2022/08/value-in-health-definition.pdf">https://cvalue.sa/wp-content/uploads/2022/08/value-in-health-definition.pdf</a>
Global Innovation Hub for Improving Value in Health	<ul style="list-style-type: none"><li>• G20 initiative accelerating global transformation towards value-based care (hosted by Value in Health)</li></ul>	<a href="https://www.g20hub.org">https://www.g20hub.org</a>
Vision 2030 and the Health Sector Transformation Plan (HSTP)	<ul style="list-style-type: none"><li>• National Healthcare Transformation Strategy</li><li>• Health transformation within Vision 2030</li><li>• HSTP Delivery plan 2021-25</li></ul>	<a href="http://www.moh.gov.sa/en/Ministry/vro/Documents/Healthcare-Transformation-Strategy.pdf">www.moh.gov.sa/en/Ministry/vro/Documents/Healthcare-Transformation-Strategy.pdf</a> <a href="https://www.vision2030.gov.sa/en/vision-2030/vrp/health-sector-transformation-program/">https://www.vision2030.gov.sa/en/vision-2030/vrp/health-sector-transformation-program/</a> <a href="https://www.vision2030.gov.sa/media/x3jbf45y/2021-2025-health-sector-transformation-program-delivery-plan-en.pdf">https://www.vision2030.gov.sa/media/x3jbf45y/2021-2025-health-sector-transformation-program-delivery-plan-en.pdf</a>

thank you