



## ARTIFICIAL INTELLIGENCE FOR CHRONIC DISEASE MONITORING IN HEALTHCARE

Artificial intelligence is defined as “the theory and development of computer systems able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages.”

### OPPORTUNITY DEFINITION | ARTIFICIAL INTELLIGENCE | CHRONIC DISEASE MONITORING

Provides integrated digital care platform used by healthcare providers and patients to allow management of a number of chronic conditions remotely. This solution allows monitoring of blood glucose, blood pressure, cholesterol and heart rate EKG/ECG.

#### TARGET MARKET

##### Target Market

The prevalence of people with multiple chronic conditions is increasing. By 2022, Qatar plans to **improve by 20% in patient empowerment** of people with chronic conditions. (MoPH, 2018)

##### Target Users

- Long term/ chronic patient



#### KEY PROBLEM STATEMENT | NEED

Chronic disease patients require ongoing medical care and monitoring. Visiting the hospital regularly is taxing for patients and consumes a substantial share of healthcare resources. Leveraging wearables and devices, it is possible to optimize patient outcomes and reduce variability while making patient care more algorithmic, scalable and cost-effective.



#### PROCUREMENT CYCLE

##### Identification Stage

The opportunity will be tendered in 2021.



#### TIMESPAN



Total duration of 3 – 4 years including implementation, testing and operations.



#### ADJACENT OPPORTUNITIES

- Post Operation Remote Care
- Chronic Respiratory Disease Management
- Virtual Lifestyle Changer

#### STAKEHOLDERS

- Ministry of Public Health (MoPH)
- Hamad Medical Corporation (HMC)
- Primary Health Care Corporation (PHCC)
- Sidra Medicine
- Insurance Providers



#### OWNER AND SECTOR

**Owner** Ministry of Public Health (MoPH) – National Lead for improved health for people with multiple chronic conditions

**Sector** Healthcare



#### BUDGET ACROSS ARTIFICIAL INTELLIGENCE ECOSYSTEM

The Qatar market for artificial intelligence is projected to reach **USD 5.7 million** by 2022, at a compound annual growth rate (CAGR) of 40% from 2019 to 2022.

