

Malta Case Study Introduction

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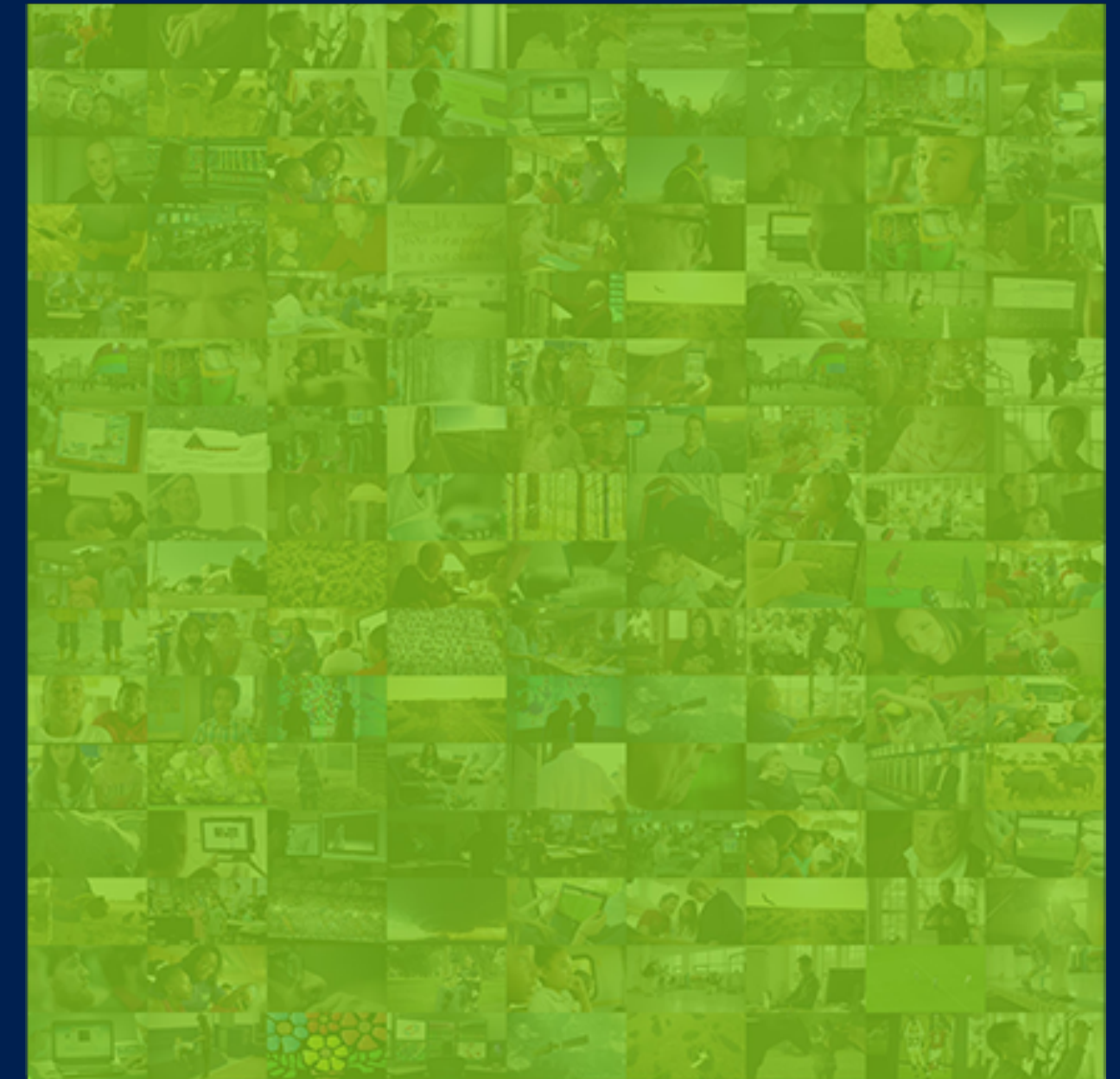


Microsoft



Microsoft's mission

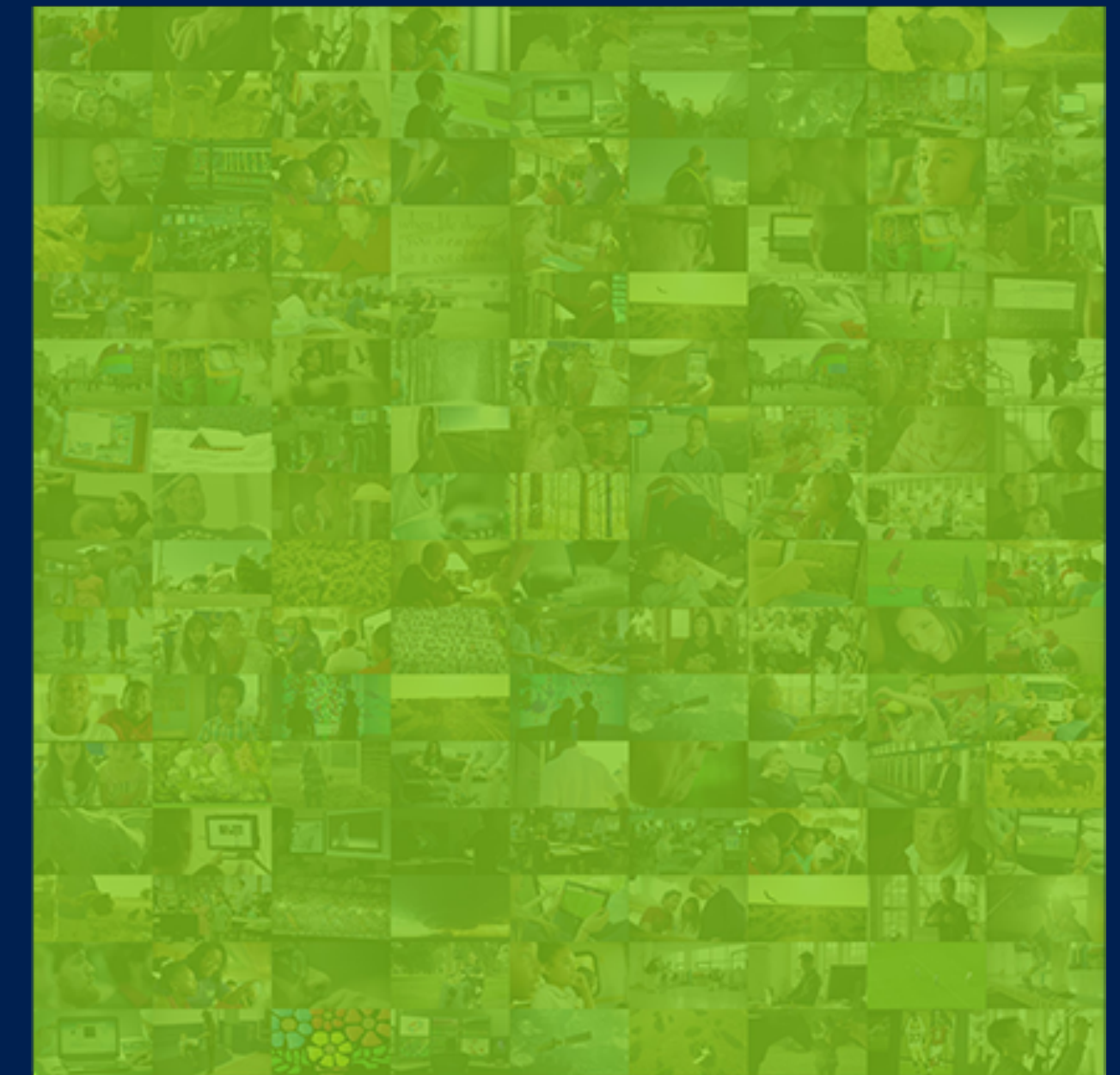
Empower every person and
every organization on the
planet to achieve more



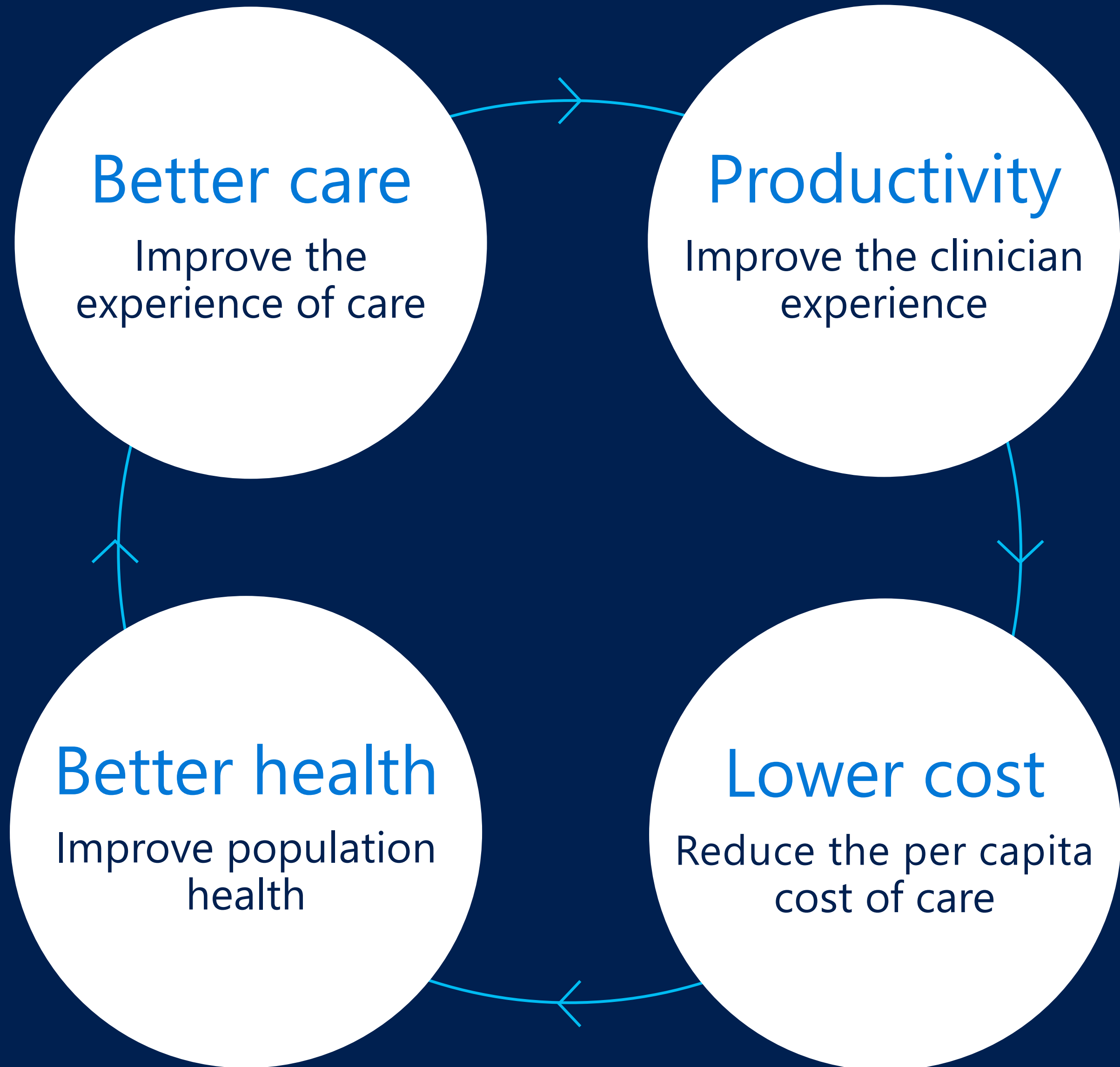
Microsoft Health Team mission

To empower our customers
and partners to make health
and care personal, effective
and affordable.

'To be the strategic partner for
the NHS and healthcare system
by 2021'

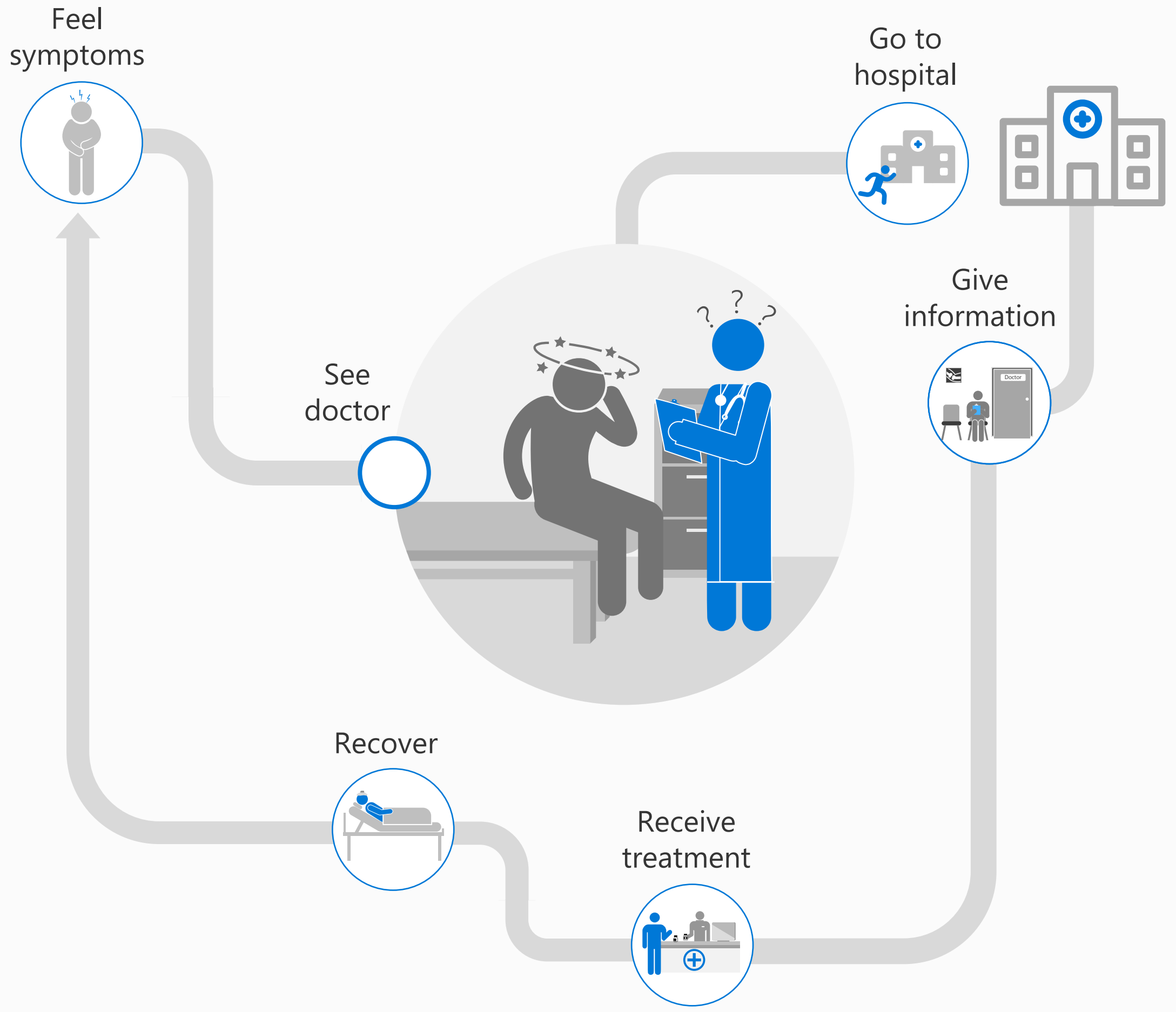


The Quadruple Aim

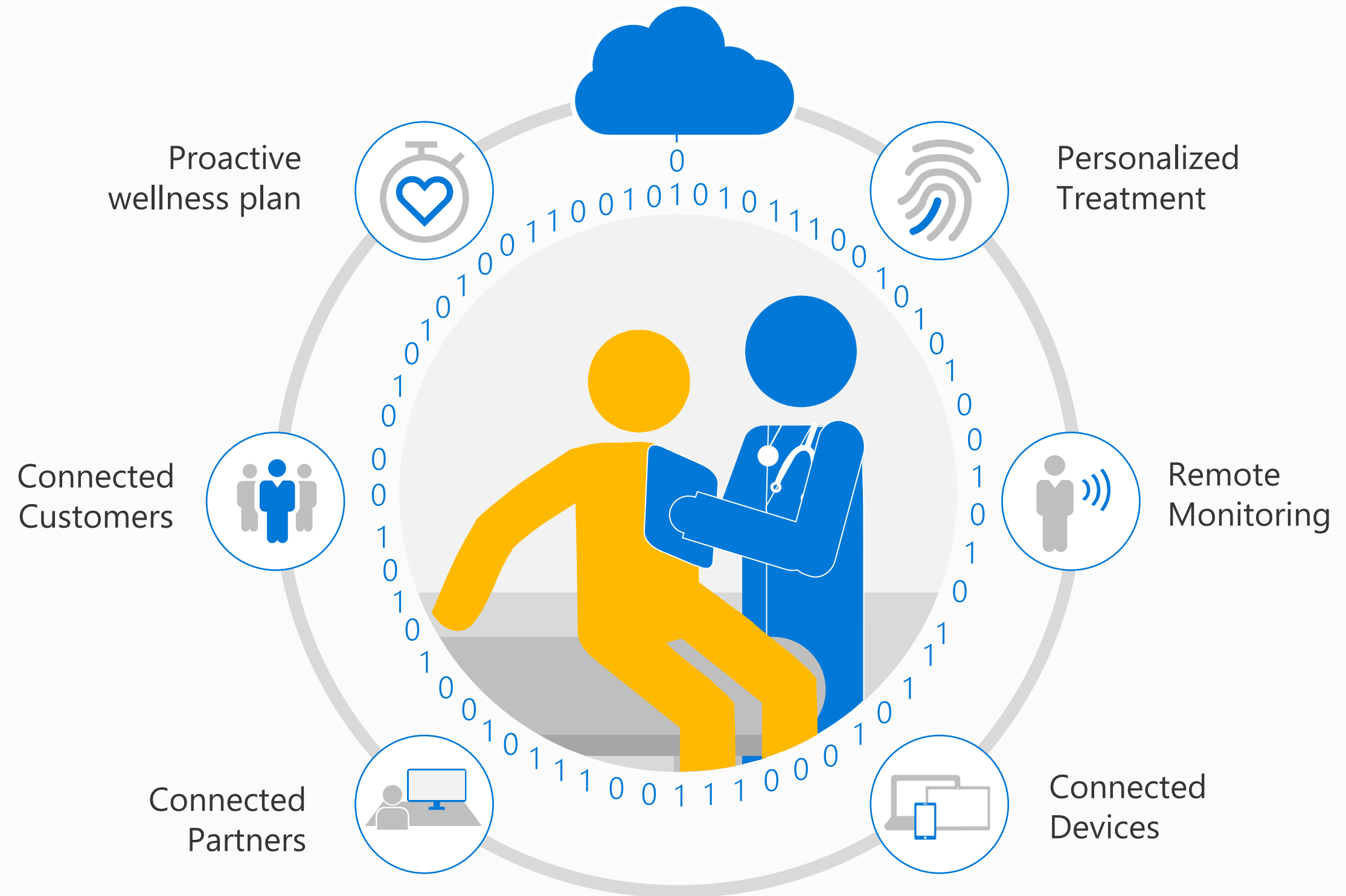


Move towards a patient-centric approach to health

From a reactive, disconnected and cyclical process



To Intelligent Health: a continuous, collaborative approach that enables preventative care



CURRENT PERSPECTIVE ON EHEALTH



Patients:

- limited or duplicated information availability at the point of service
- information scattered throughout large paper files and locations.



Professionals / healthcare providers;

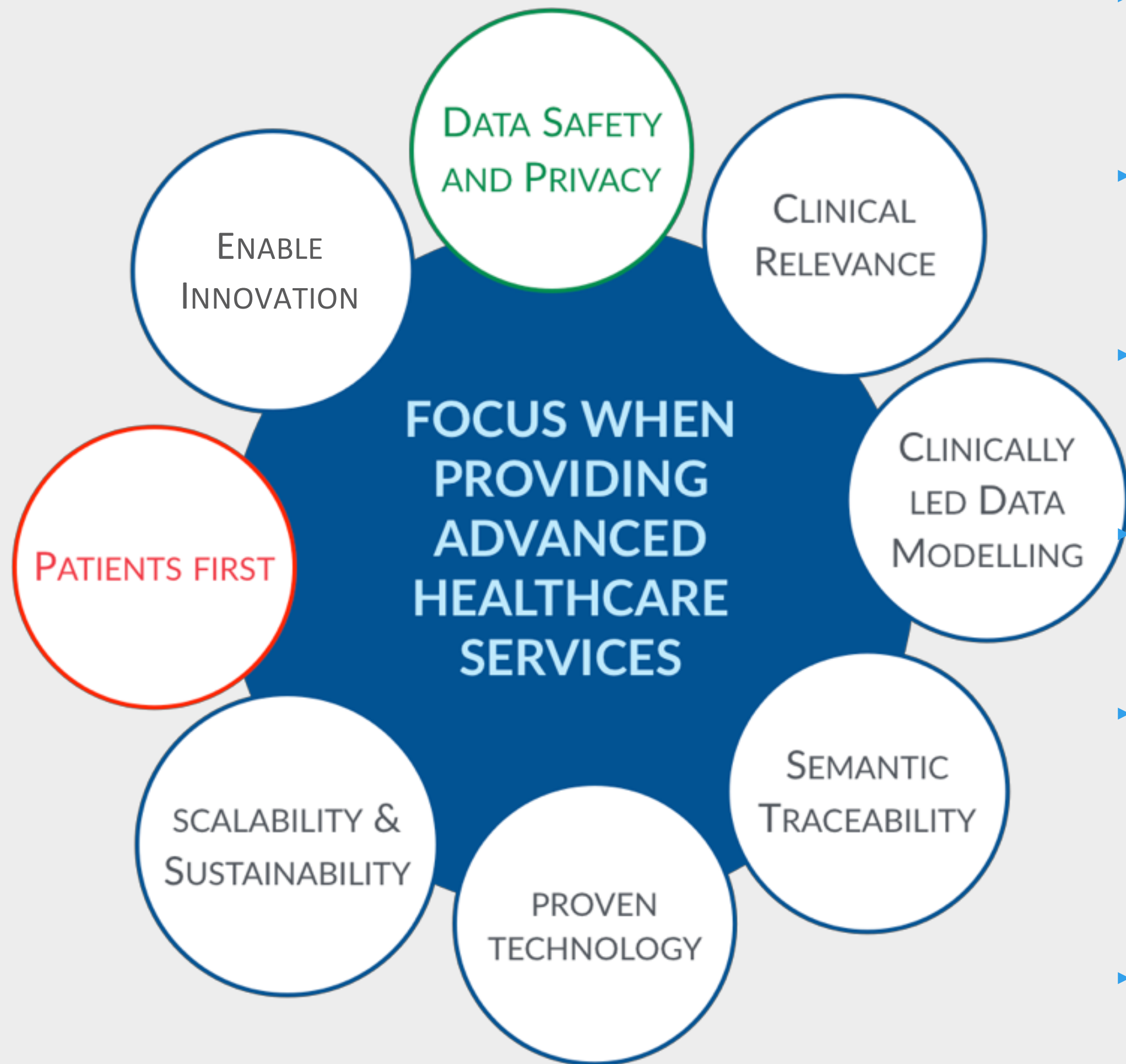
- patient data is stored in different formats, using different standards and technologies
- fragmented or outdated information,
- input and access data to multiple systems



Authorities / business users;

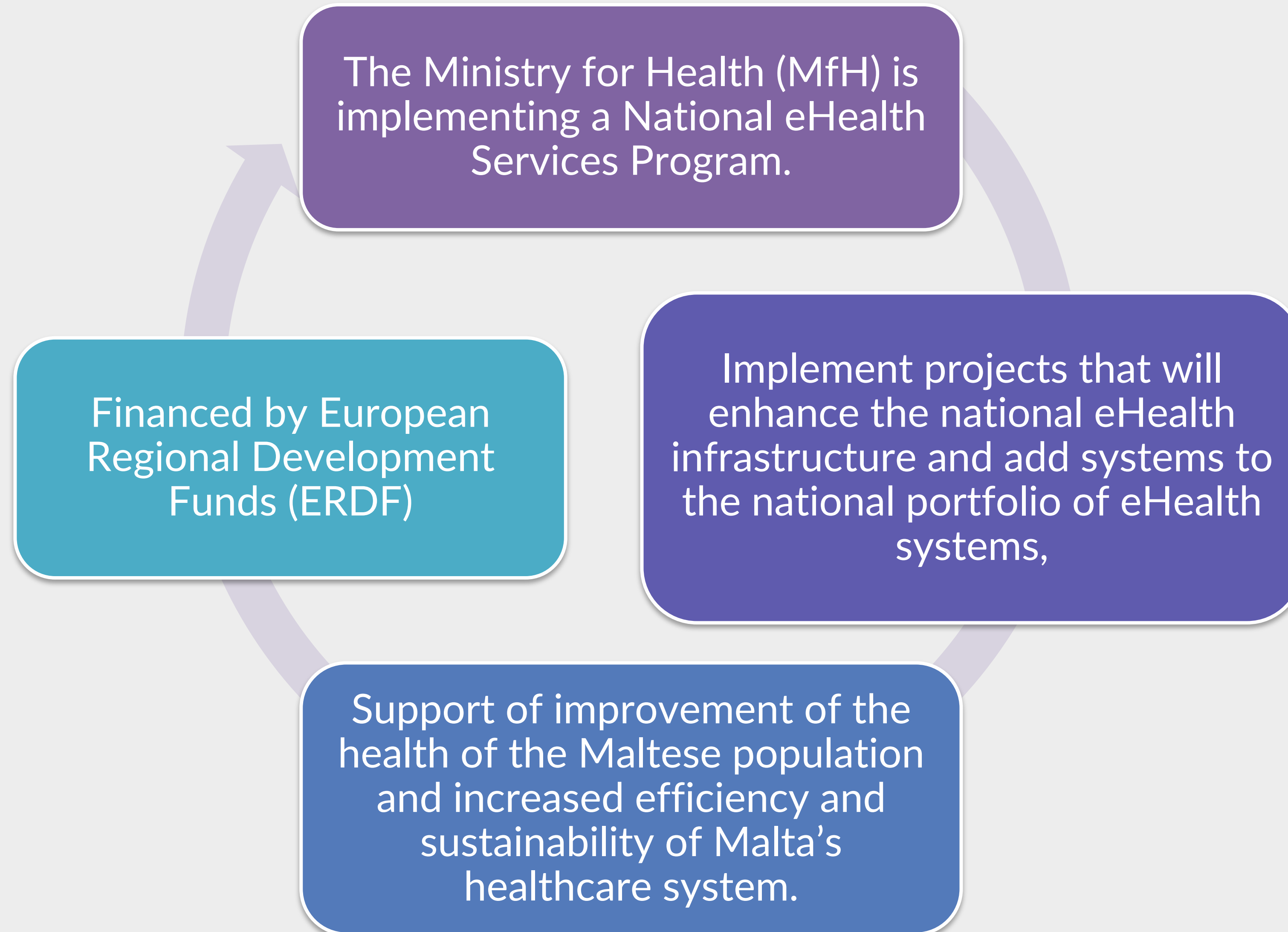
- Disparate data making availability of healthcare data to monitor population health, monitor resources and manage health care policies, standards, and legislation difficult

WHAT PROPER INTRODUCTION AND UTILISATION OF EHEALTH WILL ENSURE



- ▶ The **patient** at the **centre** of the healthcare delivery system as an empowered participant.
- ▶ A **comprehensive**, up-to-date view of a **patient's entire health history**.
- ▶ **Health systems reform** and associated structural, financial and service changes.
Efficient health service including **optimum resource utilization**.
- ▶ **Future access** to a high level of healthcare for all citizens, locally and globally, at a **reasonable cost** to healthcare systems.
- ▶ eHealth as a **driver for economic growth** and development

CUSTOMER BACKGROUND



PROJECT OBJECTIVES



National Electronic Health Records (NEHRs) will **collect and store** patient-centric data **from different sources** by electronic means in order to support patient care.

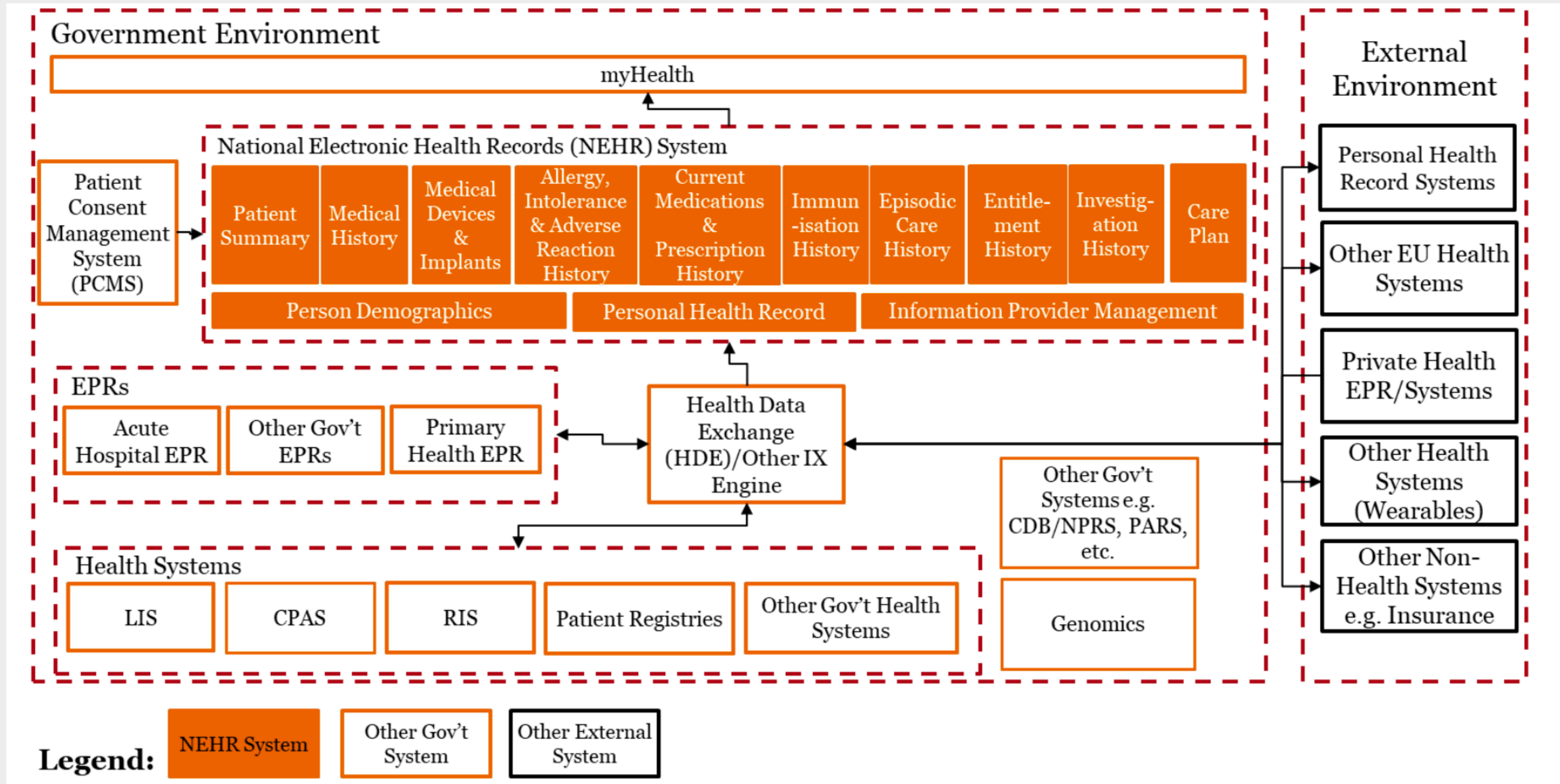


The **minimum dataset** of a NEHR contains those data elements which are of **value in the ongoing care of a patient**

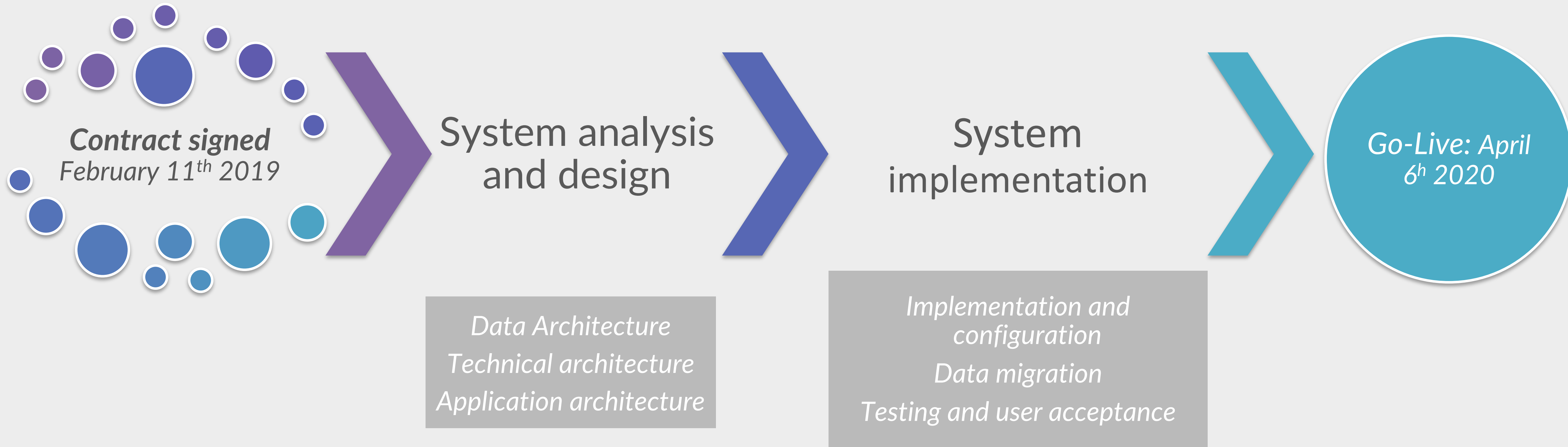


All public and private health professionals and health care delivery organisations will be **legally obliged to contribute** the relevant data in a **structured form** to the patient's NEHR

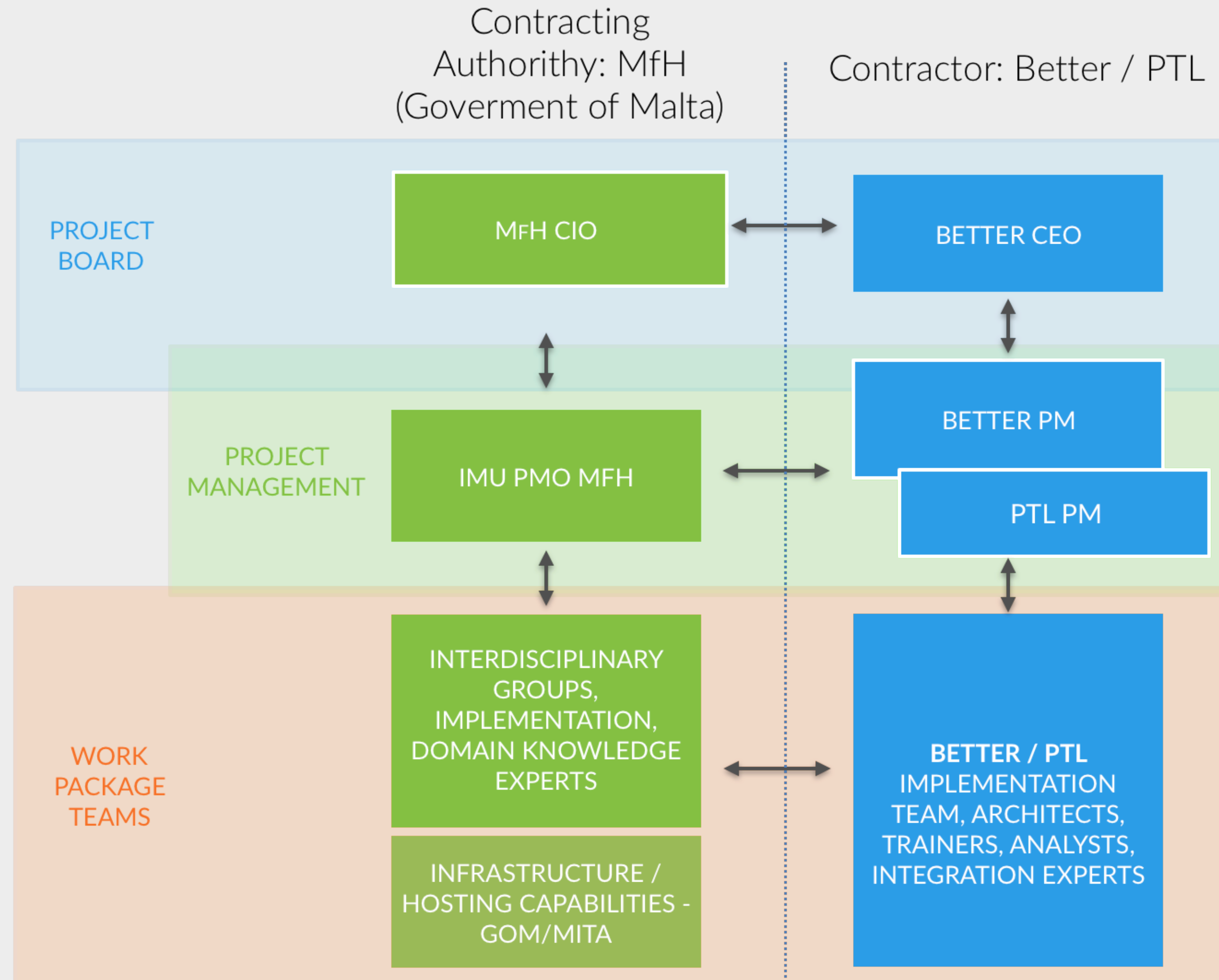
HIGH-LEVEL CONCEPTUAL DIAGRAM



PROJECT TIMELINE



PROJECT ORGANIZATION



NEHR DATA SET

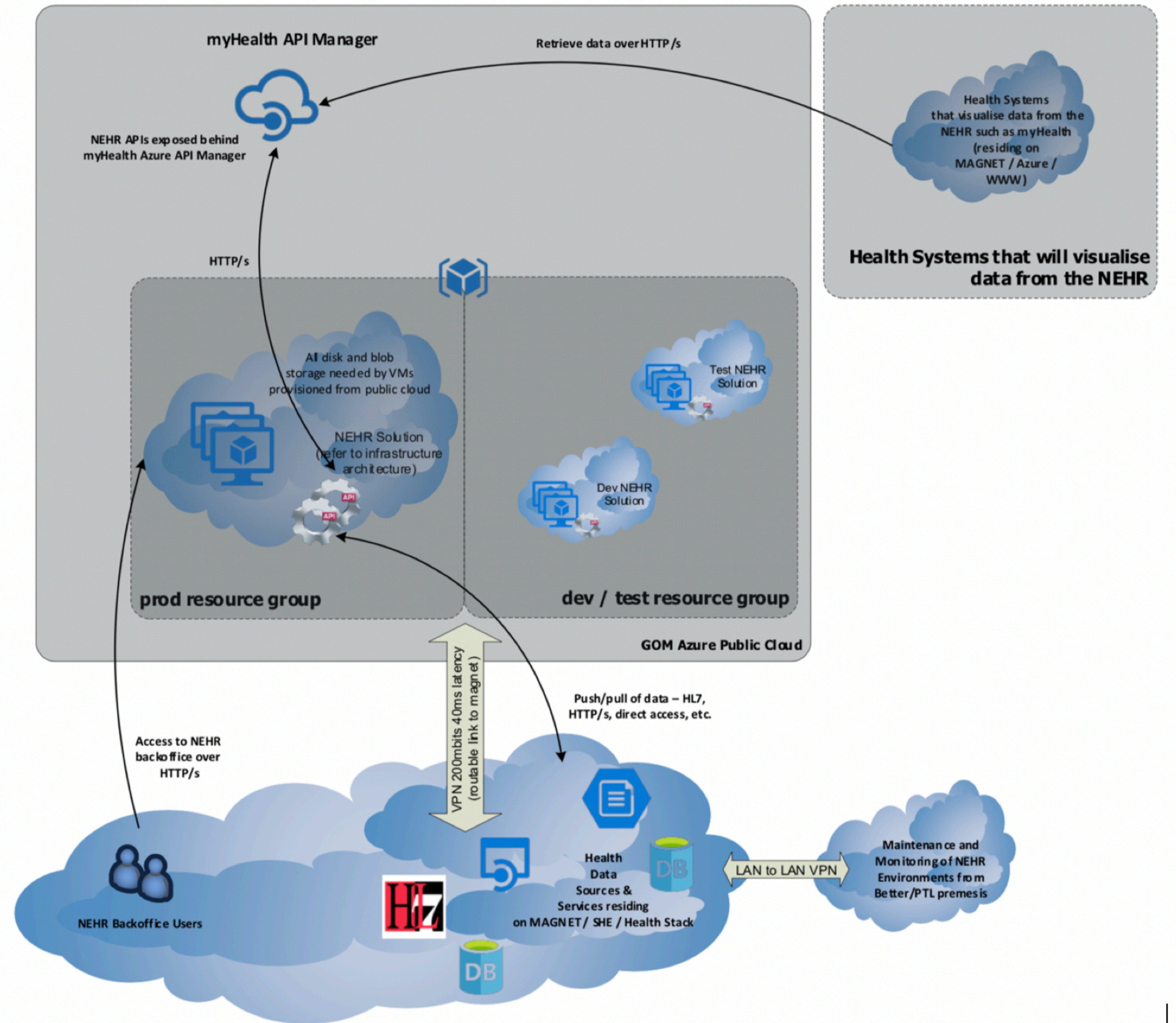
NEHR data set

- Allergies & medical alerts
- Current medical conditions
- Past medical history
- Medical devices & implants
- Surgical procedures
- Current medications
- Investigation history and results
- Medical imaging reports
- Care (Case) Episodes
- Vaccination History

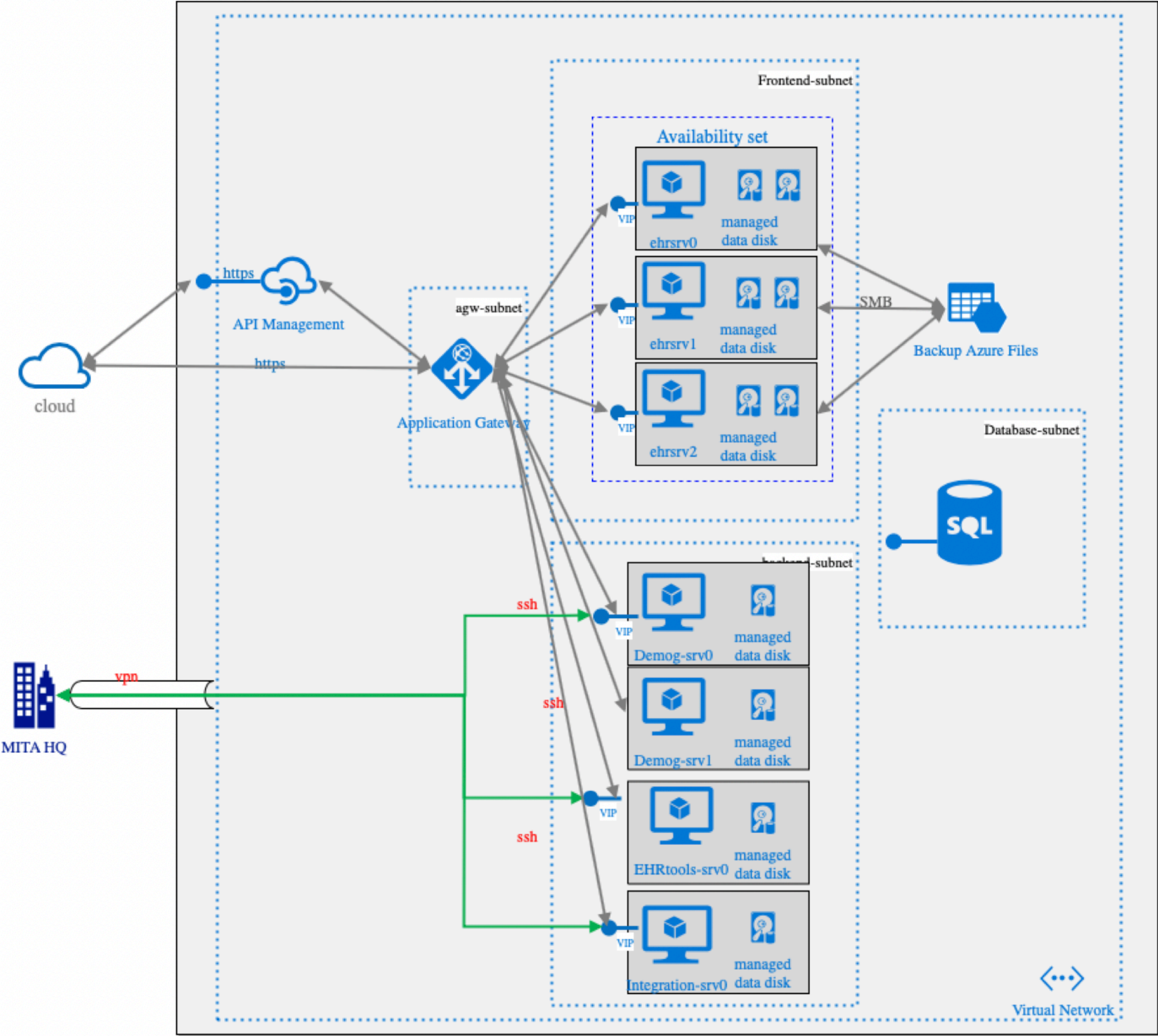
openEHR Templates

- MNEHR - Patient summary-v0
- MNEHR - Problem List-v0
- MNEHR - Procedures List-v0
- MNEHR - Devices and Implants list-v0
- MNEHR - Adverse Reaction List-v0
- MNEHR - Medication Statement List-v0
- MNEHR - Immunizations List-v0
- MNEHR - Episodic care history-v0
- MNEHR - Medication Statement List-v0
- MNEHR - Imaging examination result-v0
- MNEHR - Laboratory test report-v0
- MNEHR - Patient diary-v0
- MNEHR - Personal health record-v0
- MNEHR - Record Annotation-v0

POSITIONING OF NEHR WITHIN MALTA HOSTING ENVIRONMENT



AGREED ARCHITECTURE ON MS AZURE CLOUD



- Azure Active Directory
- OMS
- Site Recovery
- Application Insights
- Recovery Vault
- Azure Key Vault