



Electronic Health Solutions
شركة الحوسبة الصحية

TRANSFORMING HEALTHCARE By Leveraging Skills

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Chief Executive Officer



www.ehs.com.jo



ELECTRONIC HEALTH SOLUTIONS (EHS)

ABOUT EHS

EHS is a non profit company that aims to transform and sustain a continuously improving healthcare system in Jordan by leveraging technology.

EHS was Launched under the patronage of his Majesty King Abdullah II in 2009.

OUR OWNERS



King Hussein Cancer Foundation
King Hussein Cancer Center



EHS PROGRAMS

2009



Aims to automate the public healthcare sector in Jordan by implanting Electronic Health Record (based on VistA-EHR), offering a single record per patient nationwide that can be accessed through patient's ID number.

2013



The Electronic Library of Medicine was launched to provides healthcare professionals in Jordan with the latest evidence-based medical resources for free.



Electronic Health Solutions
شركة الحوسبة الصحية



Aims to build local capacity and provide education in the area of health informatics for individuals in the health sectors, university students, and EHS employees.

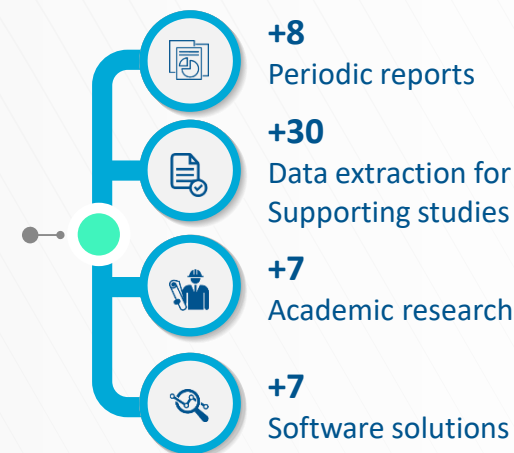
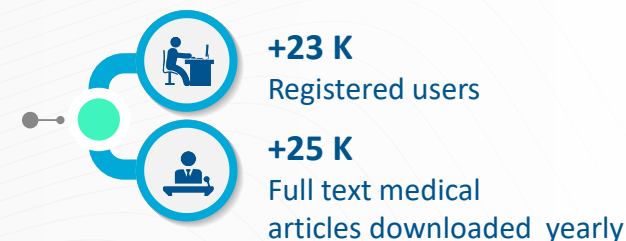
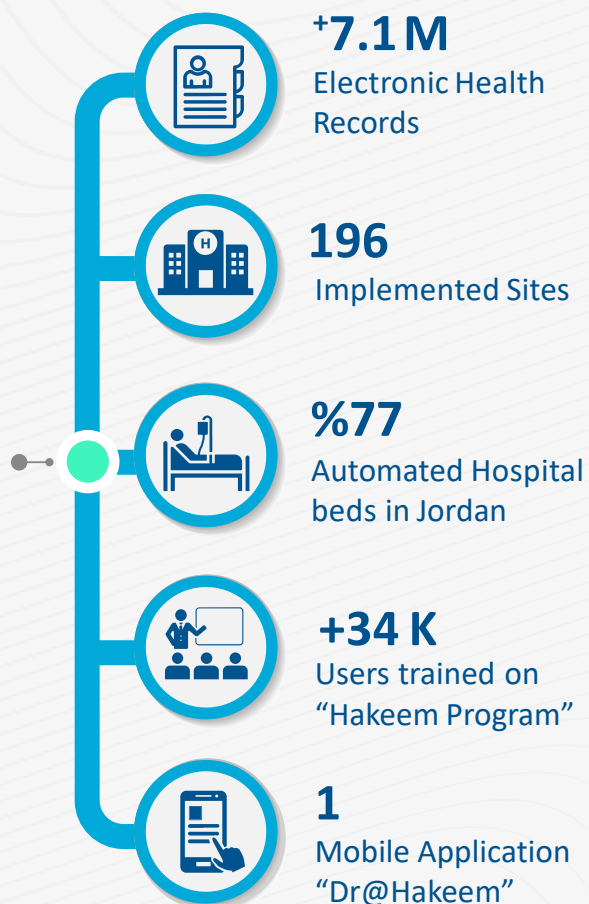


Established to support researchers and decision makers in Jordan by leveraging Hakeem Big Data and utilizing business intelligence tools as well as analytical expertise.

2015

2019

EHS BY NUMBERS



24/7
Technical Support



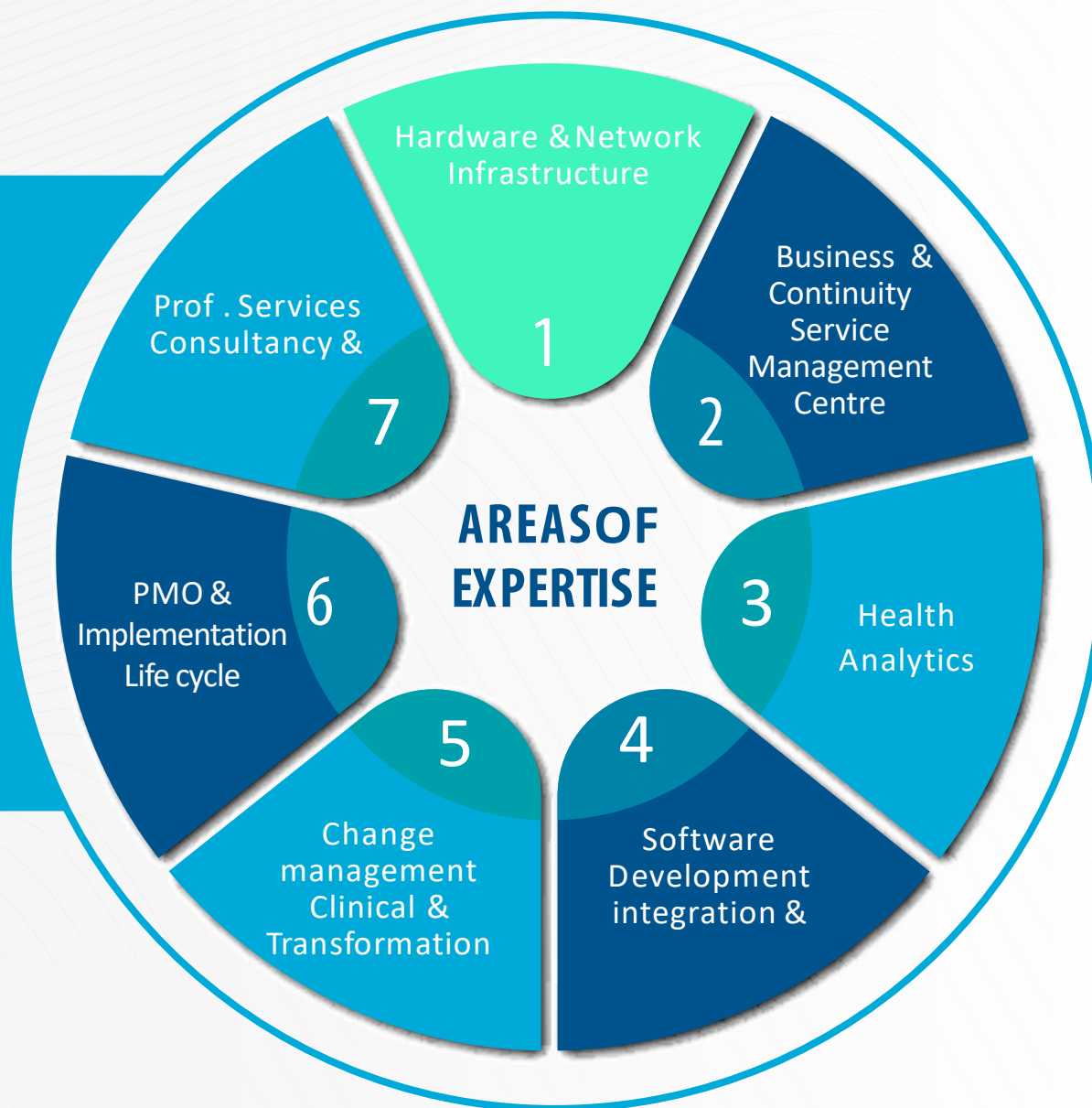
310
Professional Employee

Accreditations



EHS'S AREAS OF EXPERTISE

MERGING HEALTH WITH TECHNOLOGY



EHS'S IMPACT ON THE JORDANIAN ECONOMY

MANPOWER AT ELECTRONIC HEALTH SOLUTIONS

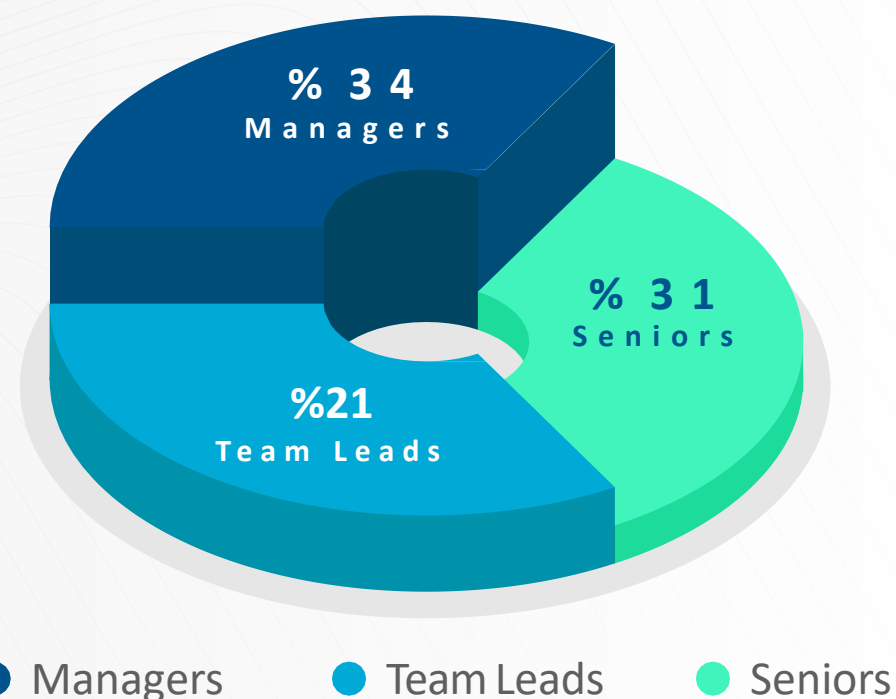
Women empowerment

Electronic Health Solutions has been continuously seeking to strengthen the role of women and presenting EHS as a success story in women's empowerment; to date, %30 of EHS workforce are females from different areas of expertise (IT, medical, administration etc..) and the number is gradually increasing on yearly basis.

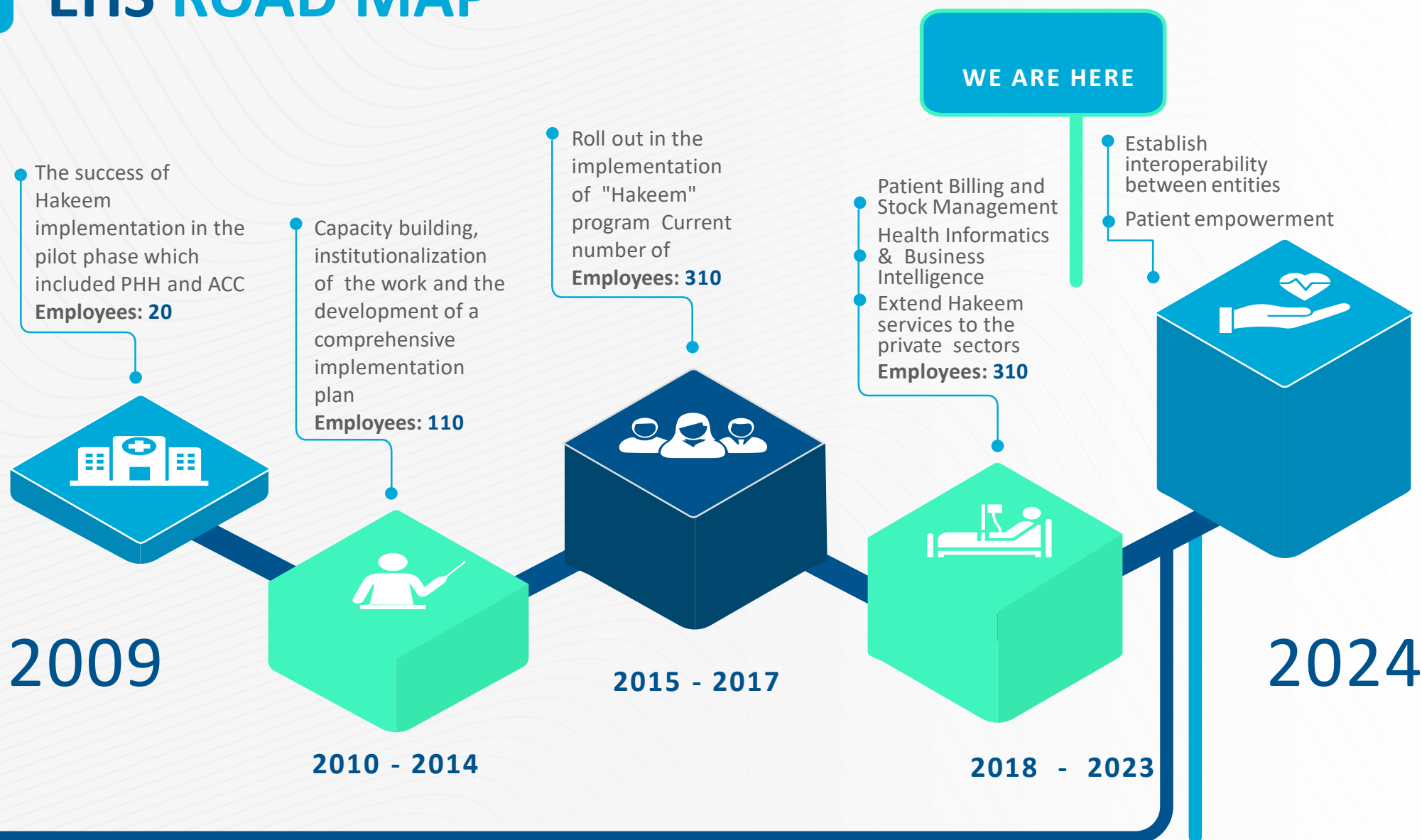
YOUTH

- Youth play a big role in the workforce in Jordan. At EHS the total number of employees is 310 which of %75 are between the ages of 22 and 35.

Women's Leadership Role in EHS in comparison with males

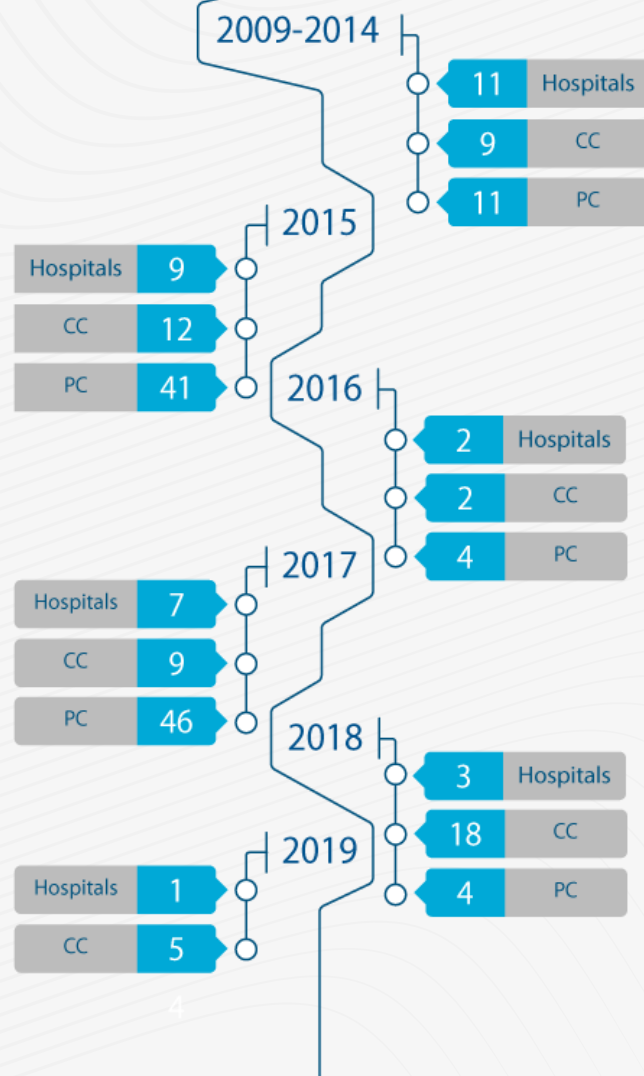


EHS ROAD MAP

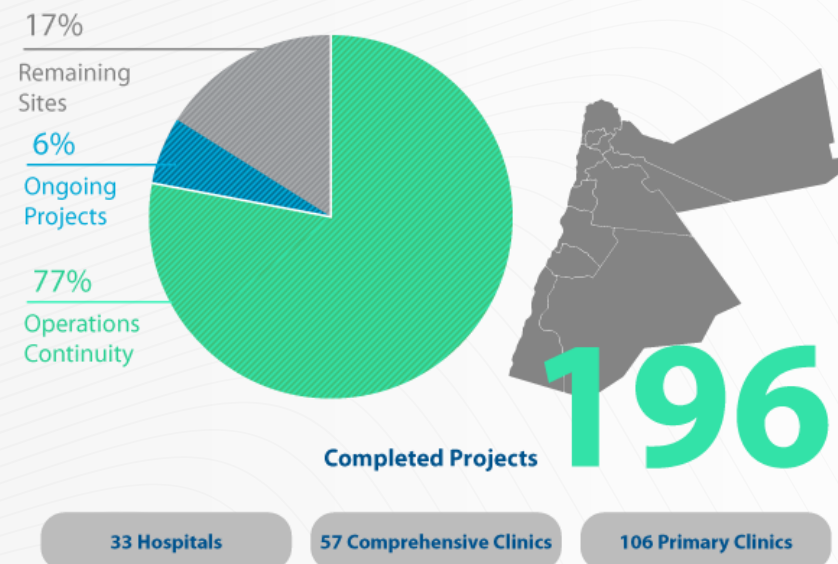


HAKEEM IMPLEMENTATION

Hakeem program implementation by numbers



Weight of Hospital Beds



Note: This map has been updated on June 2020

STANDARD SCOPE OF HAKEEM IMPLEMENTATION

VistA Core

Patient Information Management System-PIMS (Registration ADT, Scheduling)	Radiology Package	Surgery Package	VBECS
Bar Code Medication Administration (BCMA)	VistA Imaging	Dental Package (Non VistA packages)	Anesthesia (Non VistA packages)
Emergency Department Integration Software (EDIS)	Pharmacy Package	Nutrition and food system (if requested)	Care Management (If requested)
Laboratory Package	Vitals/ Measurements	Other VistA packages	Patient Billing & Inventory Management System (Non VistA packages)

Computerized Patient Record System (CPRS)

What is included in Hakeem implementation

- Installation of hardware and network
- VistA system implementation
- Clinical transformation activities and documentations
- Interfacing with certain medical devices
- Full training for facility staff
- Full go-live support
- Continuity and sustainability

KNOWLEDGE TRANSFER CRITICAL TO SUCCESS



KNOWLEDGE TRANSFER



Conducting systematic workshops, offline and online training classes



Consultants & short term experts



On site mentoring & shadowing



Collaboration with WorldVista, Regenstrief, SNOMED etc..



DOCUMENTATION & STANDARDIZATION



IMPLEMENTATION & BUSINESS CONTINUITY

CLINICAL TRANSFORMATION APPROACH



HEALTH DATA ANALYTICS PROGRAM - HDA



The program was developed to support and empower both researchers and decision makers in the health sector in Jordan, by facilitating the process of extracting reliable information in an integrated and comprehensive manner through offering technical solutions, and data mining tools for better decisions.

STUDIES AND RESEARCHES

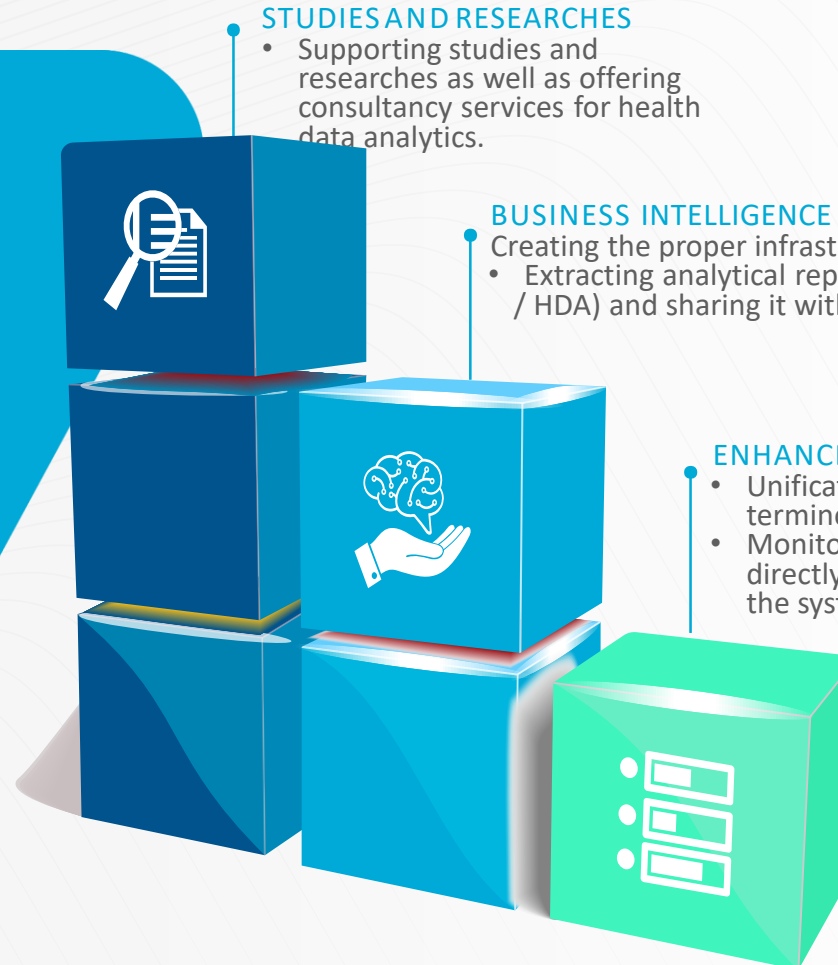
- Supporting studies and researches as well as offering consultancy services for health data analytics.

BUSINESS INTELLIGENCE SOLUTIONS

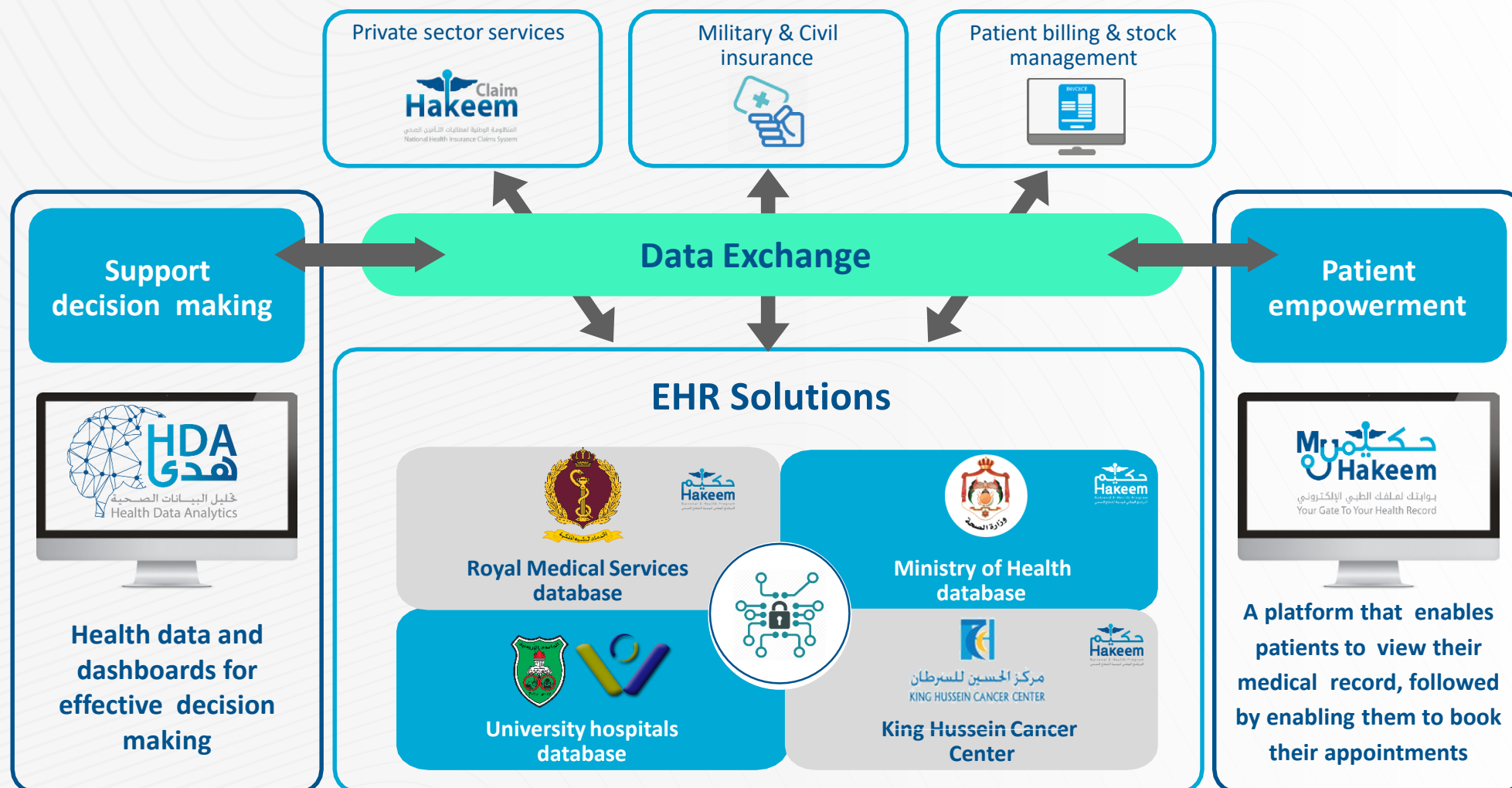
- Creating the proper infrastructure:
- Extracting analytical reports & data (Hakeem / HDA) and sharing it with authorized entities.

ENHANCE DATA QUALITY

- Unification of medical terminologies
- Monitor data input that directly affects the KPI's on the system.



DATA EXCHANGE BETWEEN BENEFICIARIES SCOPE



EDUCATION AND KNOWLEDGE



Collaboration

7

MOU's

- Signing MOU's with major Jordanian universities to collaborate & exchange expertise in the health informatics & innovation fields



Innovation

+36

Startup Projects

- Hakeem Academy annual competition in the fields of health informatics & technology
- Mentorship sessions training & support



Training and Capacity building

3500

Students

- Awareness sessions and capacity building
- Training on Hakeem packages and applications
- Encourage innovation in the field of health informatics

+23K

Active users on
ELM.jo



+20

Main medical publishers



+8700

medical journals and resources



325

Average daily logins



45

minutes average stay duration per visit

Note: These Numbers has been updated till June2020

HAKEEM ACADEMY AREAS OF COLLABORATION WITH UNIVERSITIES

Integration with an existing curriculum in universities



Hakeem Lab



Health Informatics Curriculum

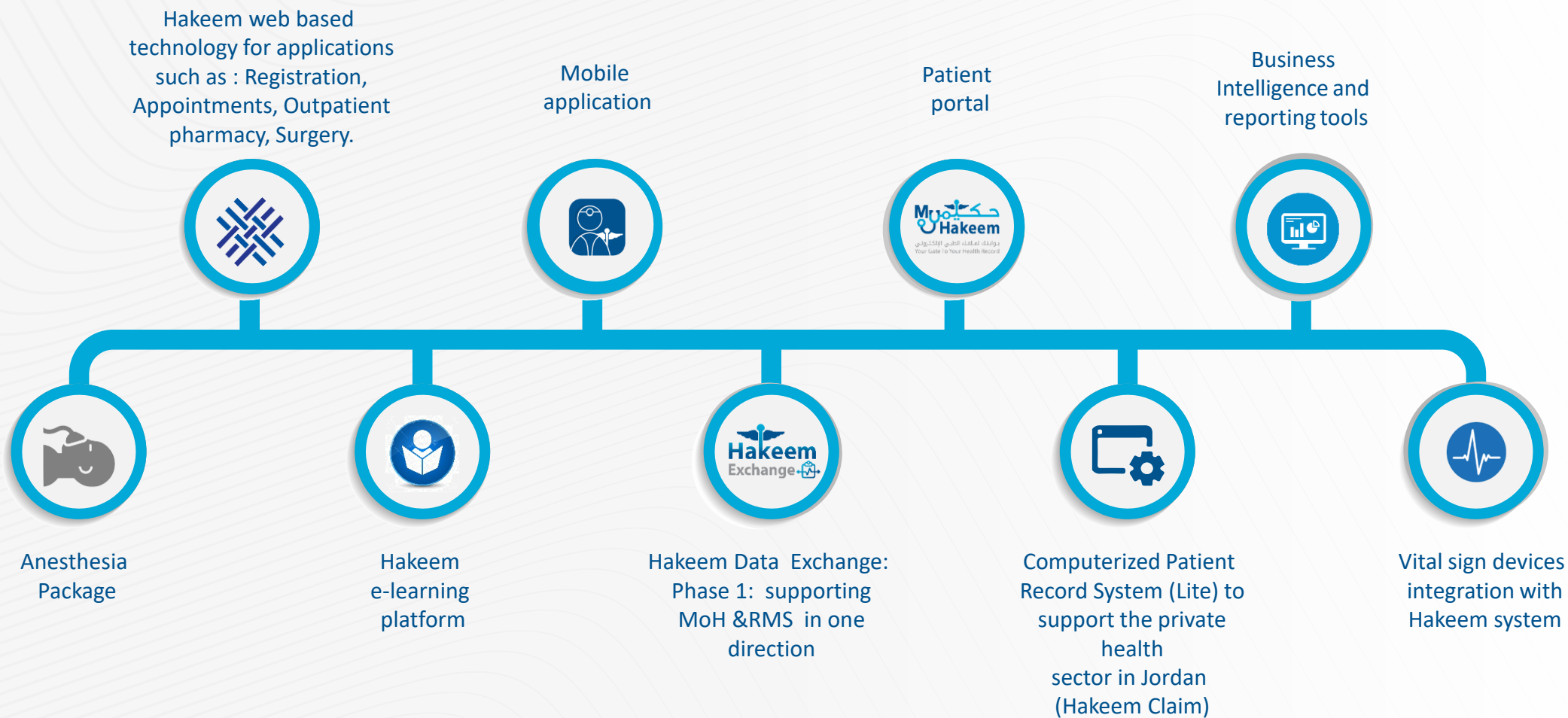


Hakeem Academy Annual Competition (HAAC) for innovation in the field of health informatics



Online platform
Hakeemacademy.jo

INNOVATIVE SERVICES AND NEW PRODUCTS



EHS'S IMPACT ON THE JORDANIAN ECONOMY



Creating Job Opportunities

- Offering equal employment opportunities for Jordanians from both genders with different academic backgrounds across all governorates in the kingdom.



Enhancing Healthcare

- Patient safety
- Improving health outcomes
- Providing necessary tools via health analytics (Preventive, Predictive & BI)



Financial Impact

- Financial saving and operational cost containment in relation to the public healthcare sector.



Building Capacity

- Improving the quality of human resources through mentoring and consultancy services in the area of health information technology.



Innovation & Giving Back

- Innovators in the area of health information technology regionally.
- Collaboration with the US open source VistA communities with regards to the internationalization of VistA.
- Collaboration with international firms such as (USAID, SNOMED, Regenstrief)



Internal & External Partnerships

- Working with IT vendors in Jordan in addition to HP, DELL, CISCO, Lenovo, Microsoft, Vitel net, Mirth, Fidelity, etc... to provide the best quality infrastructure for healthcare institutions that implement Hakeem program.



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THANK YOU

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