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ACHIEVING BUSINESS EXCELLENCE THROUGH
TECHNOLOGY

Electronic Medical Records Information's System Brochure

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Who We Are?

2008 amid global economic crises with an entrepreneurial mind set, and humble beginnings two of us aspiring souls through innovation to launch a new firm specializing in software engineering & ITransformation in Jordan; we called it "Transition Tech".

Through a consistent application of best practices in project management and software development, our position achieved tremendous milestone.

Today, Transition Tech is a hive of young talented software developers and engineers guided by corporate values and a strategic vision. Owing to their dedication and tailor-made, agile solutions; Transition Tech has carried out successful projects across a range of industries in the MENA region.

The upcoming 10 years will see exciting time ahead providing much needed creativity, dynamic IT transformation with solutions & tools that match the next era of market demands.

Jordan

Iraq

Kuwait

Qatar

Saudi Arabia

UAE
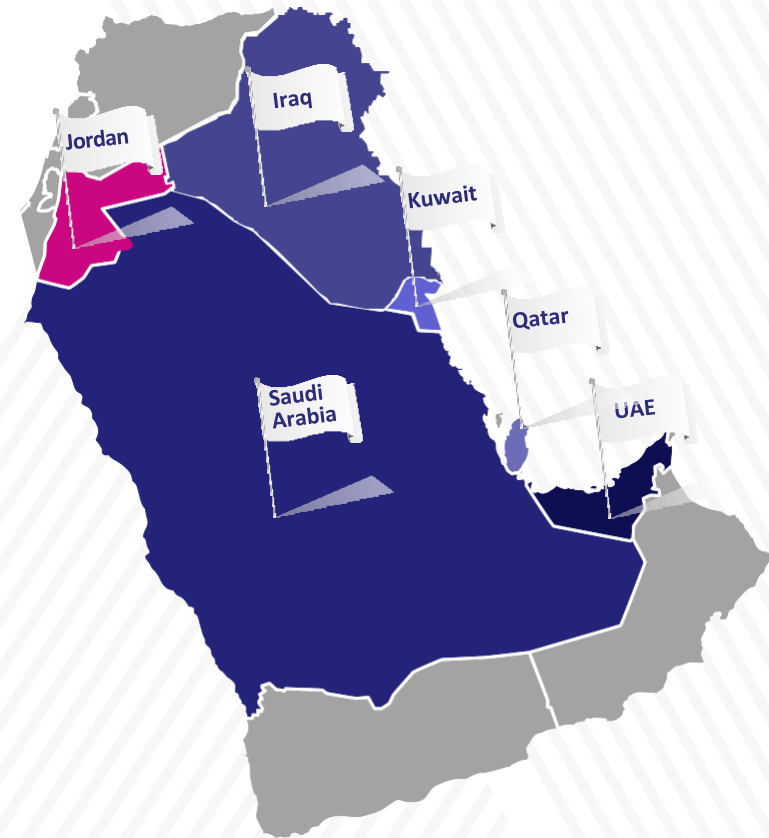
Electronic Medical Records Information's System

Most of the hospital and medical centers are currently being handled in the traditional way of the collection of patient's information, diagnosis details, etc. Due to the population expansion and the urgent need to have accurate historical records and spontaneous statistics, Medical sector needs to keep in line with the continuous technological development by using computerized medical records system with user friendly, simple, and fast approach. Which will ease handling day to day work with the highest accuracy.
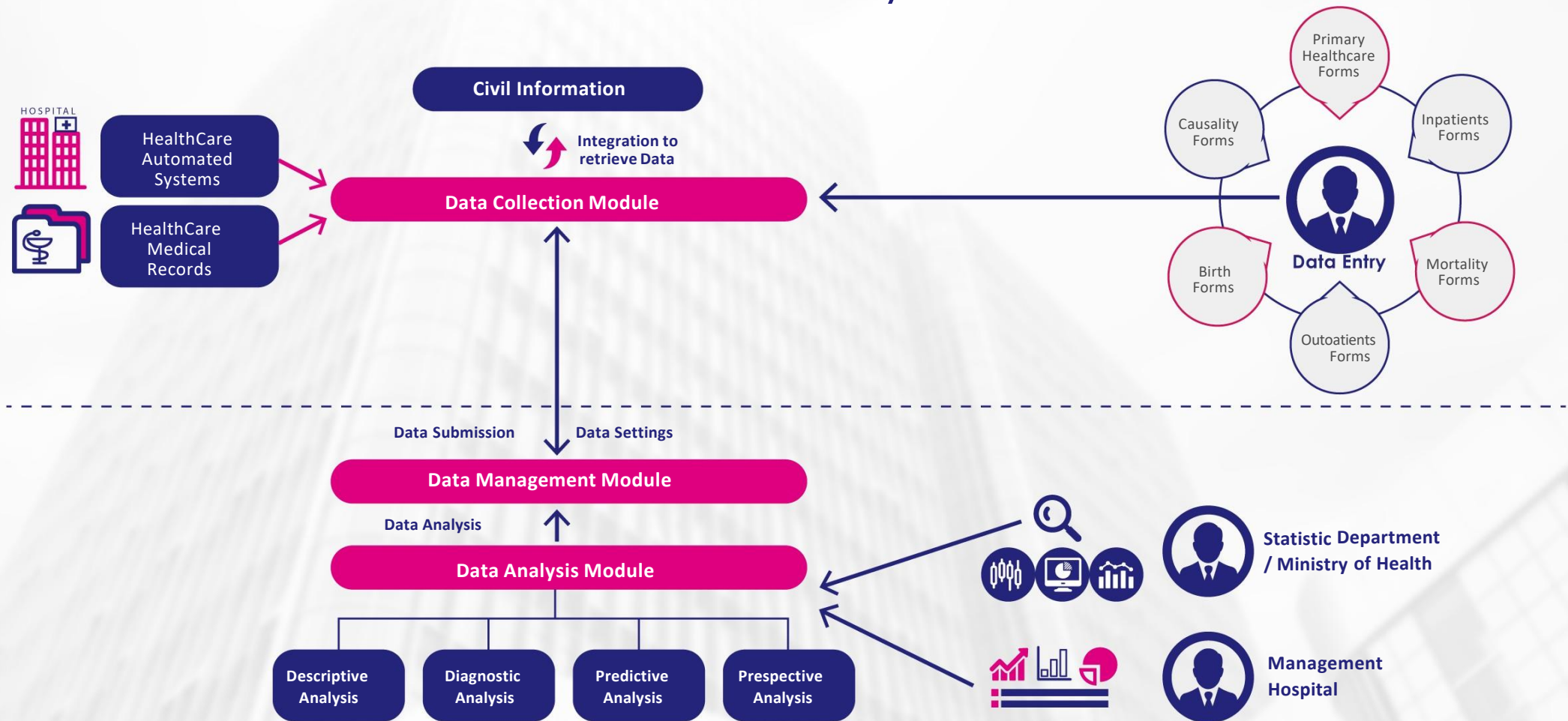
As one of Transition tech initiatives an Electronic Medical Records Information System is computerized, designed and programmed to deal with day-to-day operations that take a place within the hospitals and medical centers. The system can look after inpatients registration, outpatients discharging, records manipulation, database analysis, diseases entry and diagnoses as per World Health Organization "WHO" standards by compliance to the ICD11 coding schema, powerful analysis screens, statistical reporting, medical cases predictive analysis. It also maintains hospital and medical center information such as Area, region, wards, beds availability, doctors in charge and department administering. Due to the current pandemic or COVID-19 we armed EMRIS with additional module that will allow hospitals and medical centers to start recording, tracking and analyzing COVID-19 statistics for the hospital itself and across the entire country.
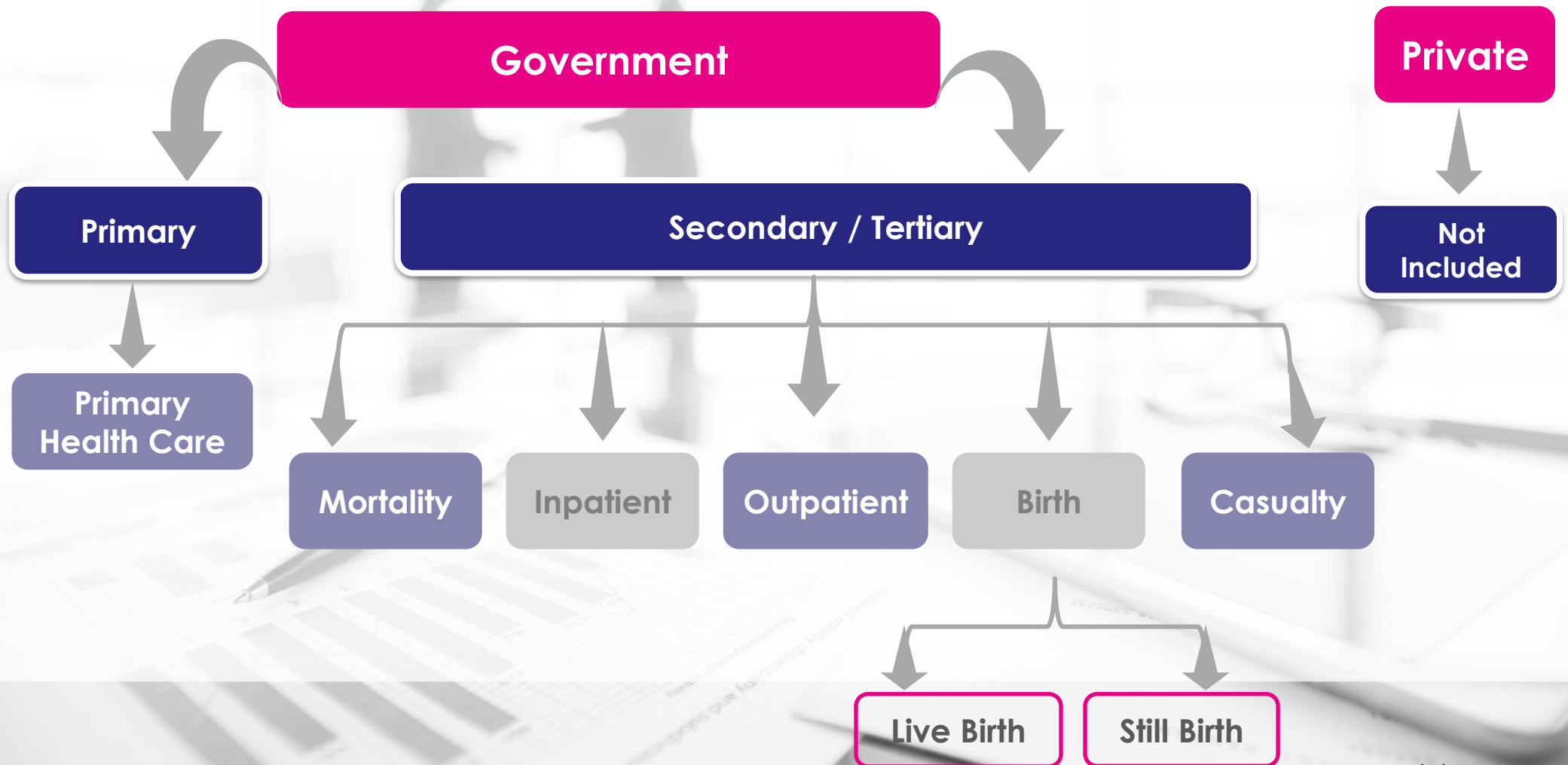
VALUE PROPOSITIONS

> Mechanized and automated health
  & record management procedures and processes

> Spontaneous Statistics.
> Predictive analysis Reports.

> Visual interactive Dashboards.

Electronic Medical Records Information's System

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Civil Information

Integration to retrieve Data

HealthCare Automated Systems

HealthCare Medical Records

HOSPITAL

Data Collection Module

Primary Healthcare Forms
Inpatients Forms
Causality Forms
Data Entry
Mortality Forms
Birth Forms
Outoatients Forms

Data Submission | Data Settings

Data Management Module

Data Analysis

Data Analysis Module

Descriptive Analysis | Diagnostic Analysis | Predictive Analysis | Prespective Analysis

Statistic Department / Ministry of Health

Management Hospital

Electronic Medical Records Information's System

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Main Forms Types

Government

Private

Primary

Secondary / Tertiary

Not Included

Primary Health Care

Mortality

Inpatient

Outpatient

Birth

Casualty

Live Birth

Still Birth

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Main Users Types

Data Entry

Are medical records employees in hospitals and primary health care which responsible to submit the medical forms.

Hospital/ Primary Management

Needs to have analysis dashboards for hospital or Primary level.

Statistic Department

Needs to view analytic dashboards and reports for WHO standards, also to perform predicative analysis on medical data.

System Admin

Needs to manage and define main system lookups, hospital .

System Modules

Data Collection Module

This module will be accessible only by medical records employees to submit the medical forms on daily basis. Also, it will be integrated with Civil information to retrieve civil information.

RESEARCH MANAGEMENT SYSTEM

This module will be accessible only by Ministry Statistic Department, to define main system lookups and entity (hospital, departments, users, ICD codes updates, etc.), it should be reachable only by ministry network.

ELECTRONIC MEDICAL RECORDS INFORMATION'S SYSTEM

This module is to view analysis dashboards and reports for medical records information and history on the country and hospital level, this module should be reachable by ministry network.

Advance Reporting and Analysis

The main goal from using EMRIS is to have all the targeted data in a centralized place in order to be able to analyze, study and gain important statistics from relevant data on a certain country level. To achieve this, EMRIS is using Microsoft Power BI Server will be used for analytic dashboards and reports, it provides powerful capabilities for advance reporting and predictive analysis.

- Power BI is cloud based which means powerful features and regular algorithms updates.
- Ability to analyze and process a huge amount of data comparing to other tools.
- Analyze data using the built-in machine learning capability which help users not to only take decisions regarding current status, but they can also predict future status and decide accordingly.
- Powerful data visualization templates in addition to powerful customization capabilities.
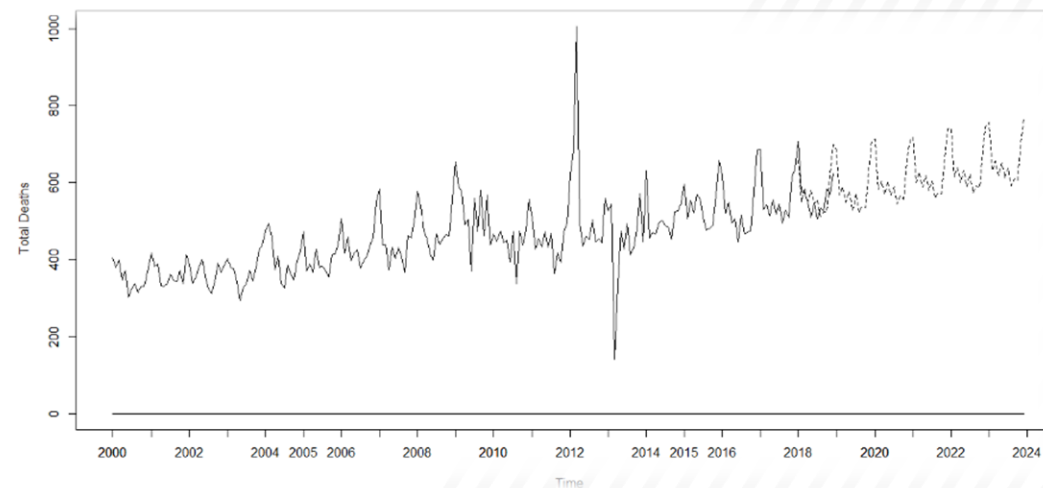- KPI's alerts availability
- High Data Security.
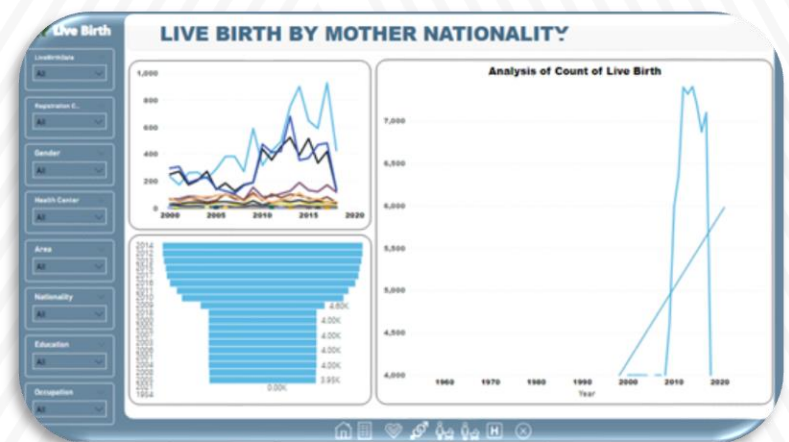
EMRIS Predictive Analysis

Predictive analytics is an area of statistics that deals with extracting information from data either historical or live and using it to predict trends and behavior patterns. In EMRIS solution we have developed a feature that give EMRIS the ability to provide a detailed predictive analysis based on historical data in the past years, and by reference to different aspects or factors, such as age, gender, illness, etc.

This will allow EMRIS top management to be more proactive on some patient cases or even on country wide cases, which will enhance the mitigation plans on the health sector level which will enhance the health level of the patients or beneficiaries.

As shown in the graph, EMRIS showing the predictive spikes for the upcoming years based on the live data in the past years.

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