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# Let's Shape the Future Together!

[www.tigahealth.com](http://www.tigahealth.com)





We advance  
**the boundaries  
of healthcare**  
by making it  
more accessible!

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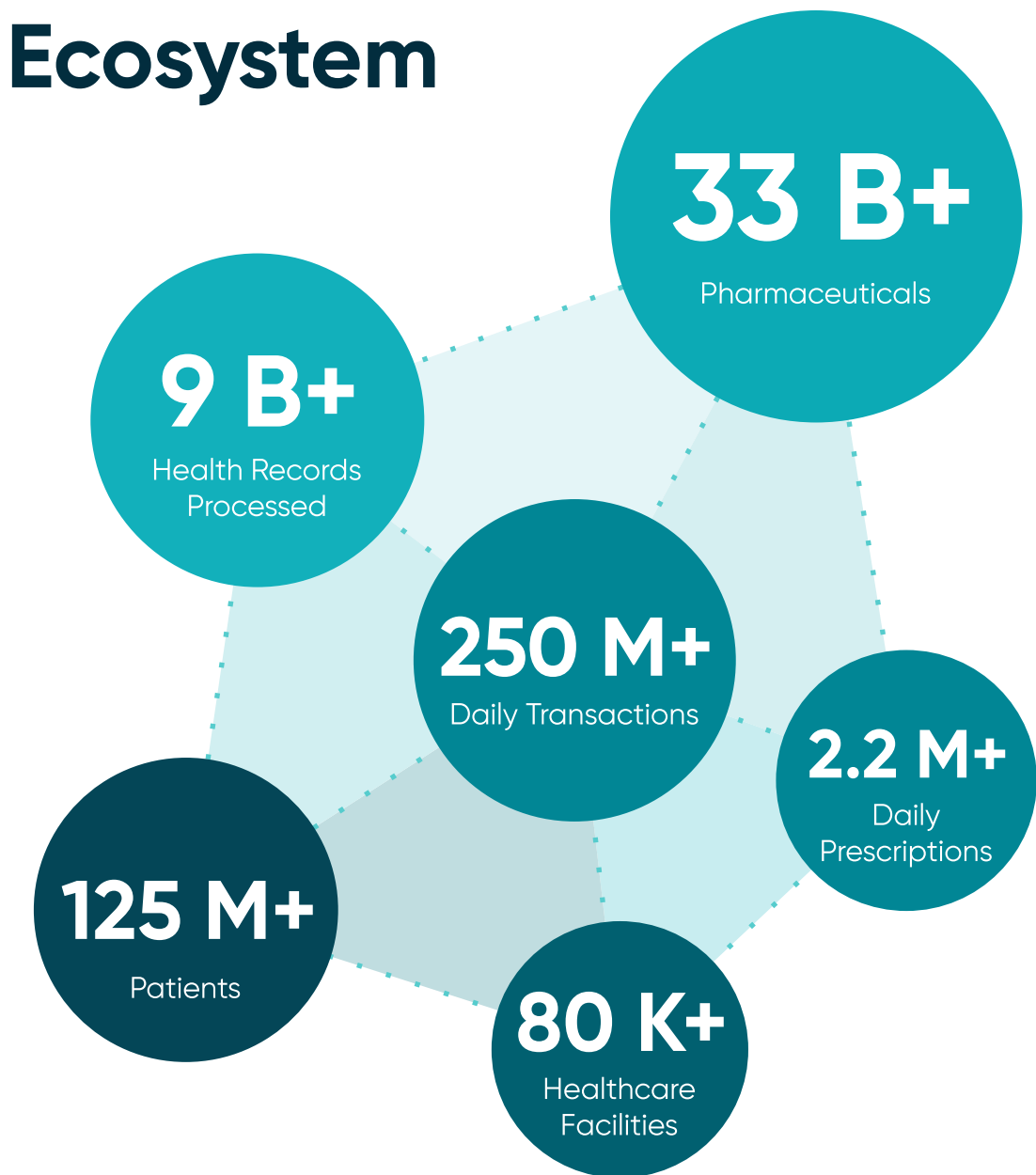
## About Us

Tiga Healthcare Technologies was established to drive healthcare with its proven, cutting-edge technology and quality by prioritizing patient safety.

As Tiga Healthcare Technologies, we have been shaping the global health informatics and pharma track and trace technology with our human-centered vision and proactive and solution-oriented perspective since 2007. We touch the lives of millions of people as a pioneer of digitalization in health due to our health informatics solutions that focus on patient safety, data management and data analysis. In other

words, we shape the future together by creating an analyzable, sustainable and improvable digital health ecosystem. We proceed with an innovative vision that constantly improves itself by adopting the principle of customer satisfaction in our proven and globally leading projects. Moreover, as a company, we lead health informatics and benefit individuals, society, public authorities and health regulators with our technologies.

## A Comprehensive Digital Health Ecosystem



# Why Tiga?

As Tiga, we always put the patient first and empathize with them. We know that patient trust is everything in healthcare, so we harness digital data analytics services to engage patients, improve their experience and collect data on outcomes and unmet needs. Our proven technology allows patients to access and manage their health records from anywhere and anytime.

In addition, with the technology that we have offered, we provide drug safety, prevent parallel trade and keep the records of each produced and dispensed medicine. To decrease costs while improving ease of access to health services, intelligent solutions are inevitable! Our innovative solutions help improve healthcare decisions and increase patient participation and satisfaction. With over a decade of experience in health, we have become one of the pioneers in healthcare.

Tiga has been playing a key role for driving healthcare technology forward with its proven technology for over a decade.



## Why Choose Tiga?



As Tiga, we have been shaping the future of healthcare since 2007. By digitalizing all processes of the services, we make healthcare reach everyone.

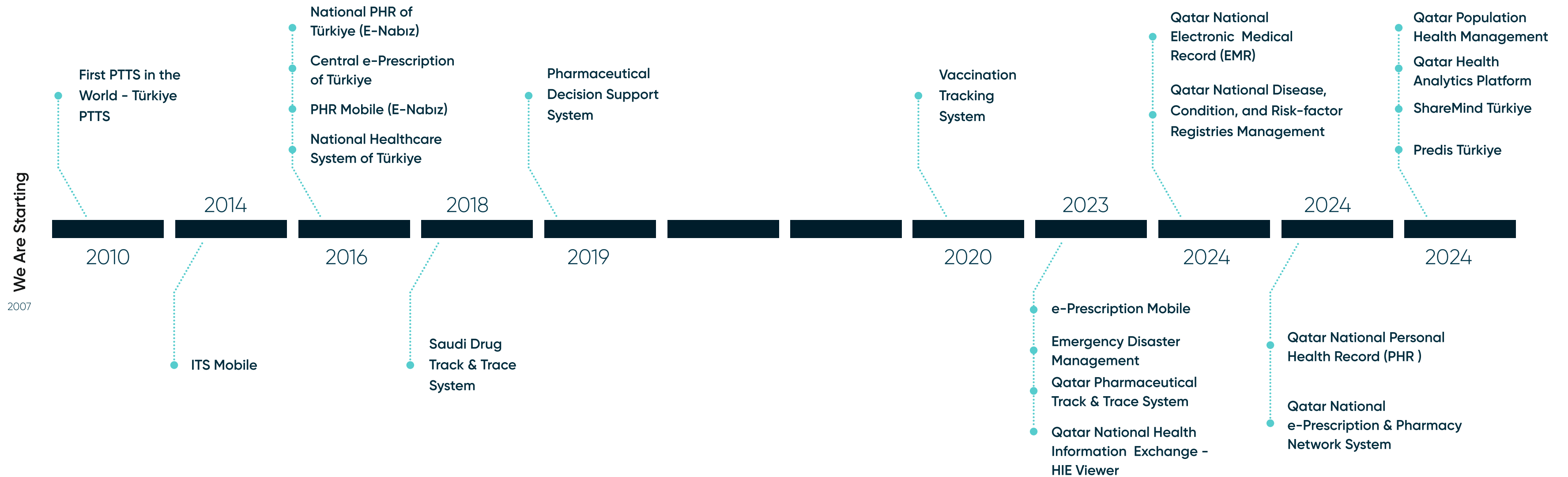
Our solutions have been used in many countries with more than 164 M+ of population for over a decade.

Tiga prioritizes patient-centricity, designing services and products that are specifically tailored to meet individual patient needs.

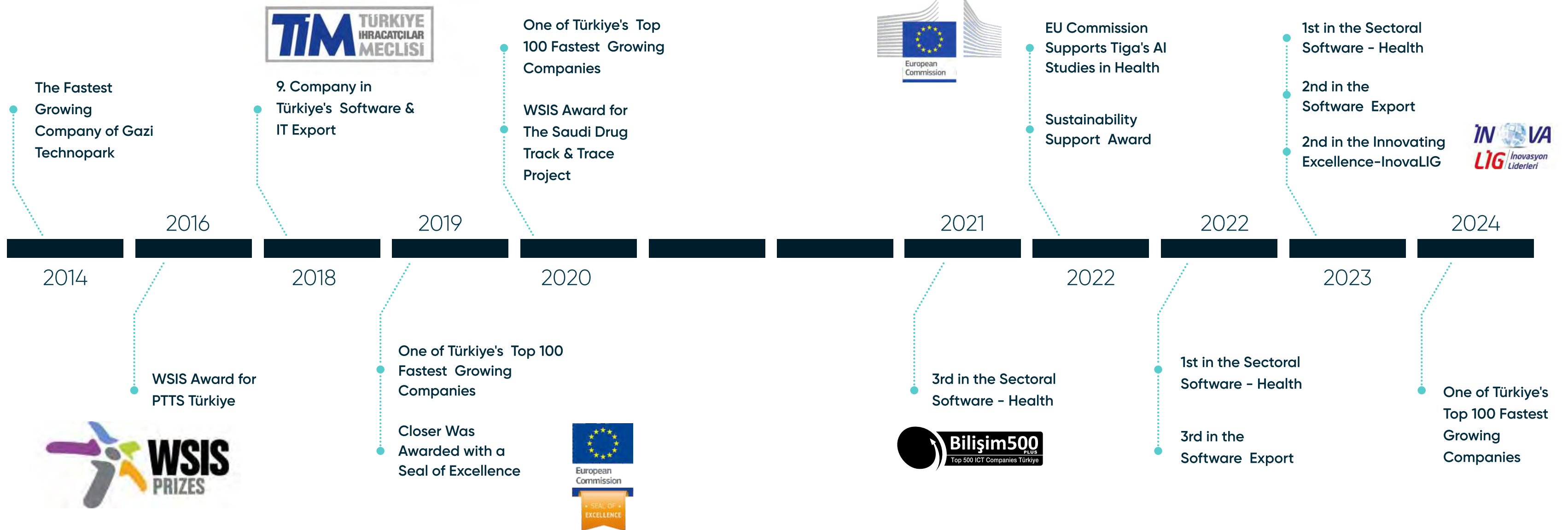
In today's healthcare landscape, the quality of patient experience is increasingly crucial. Patients seek more than just medical treatment; they desire engaging, personalized healthcare experiences that seamlessly integrate with the services provided.

We have been working closely with healthcare authorities for over a decade. Using our proven technology, we have performed billions of health data transactions with the highest privacy.

# Company & Project Timeline



# Awards & Achievements



# Products



## Healthcare Interoperability

FHIR Stack  
Enterprise Master Patient Index (EMPI)  
Terminology Services  
HIE Viewer



## Patient Engagement

Personal Health Record (PHR)  
e-Appointment  
e-Referral



## AI & Analytics

ShareMind - Health Analytics Platform  
Predis - Early Warning Platform  
AISym4Med  
Autonym



## Personalized Healthcare

MobiThera - Remote Physiotherapy Application



## Drug Traceability

DrugXafe - Drug Track & Trace System  
DrugXafe Mobile App  
Aggregation Management



## Pharma Management

Central e-Prescription  
e-Pharmacy  
Drug Management



## Population Health Management

Disease Management  
Health Analytics & Reporting



## Hospital Information System

Clinical Solutions  
Administration Solutions



# Healthcare Interoperability



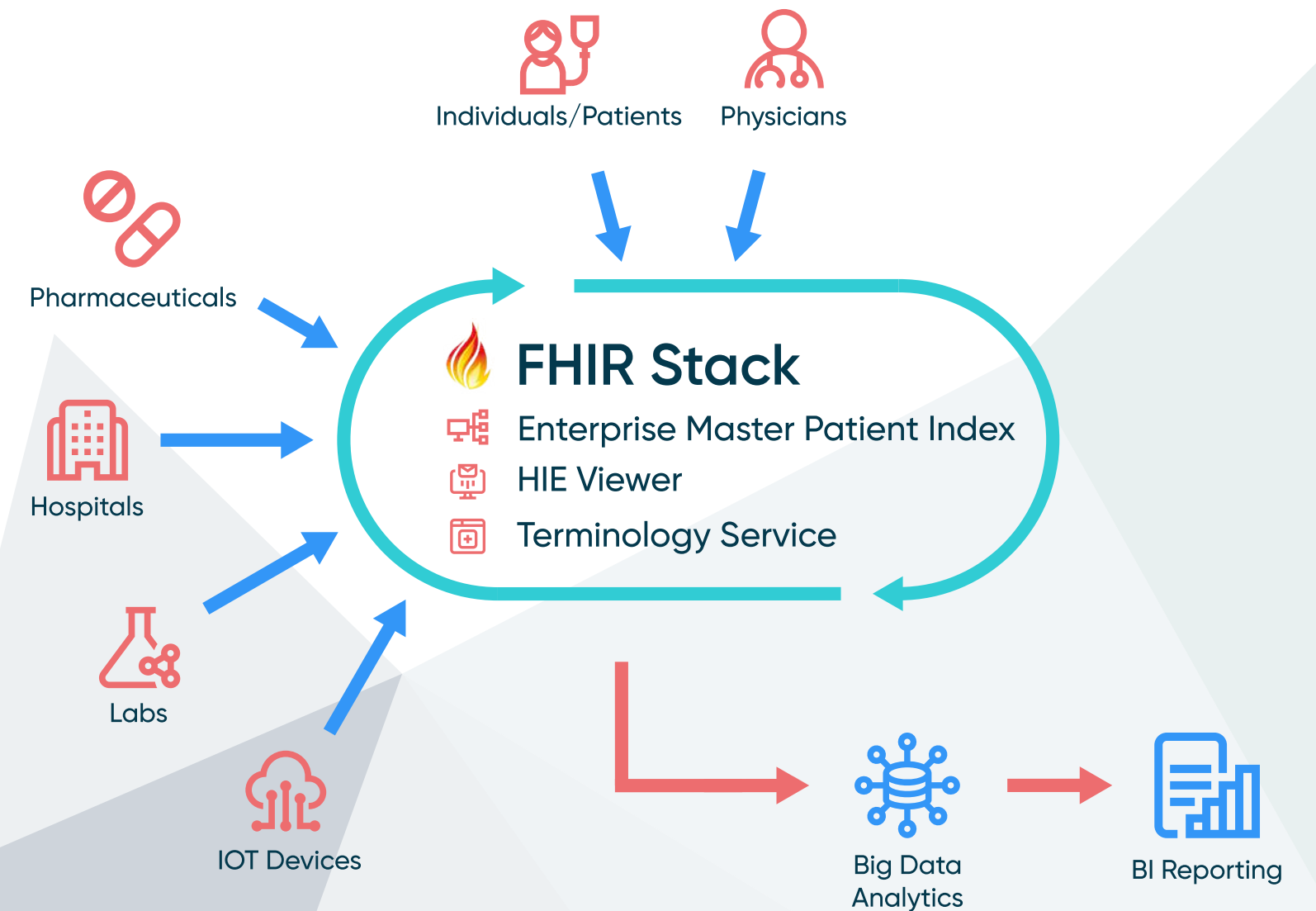
## FHIR Stack

FHIR Stack is a central data solution that stores Electronic Health Records (EHR) with seamless integration of FHIR protocol. It is interoperable with healthcare systems to develop new clinical solutions with integrated care models.

FHIR Stack enables the construction of highly available and complete data through collecting, exchanging and managing information shared among healthcare providers. It facilitates real-time communication across clinical and administrative workflows, ensuring a powerful, secure and effective operation.

- One-Hub
- Preparing Connections
- Data Management
- Data Security & Privacy
- Provenance and Audit Logging
- Accessing and Authorization

# Our proven technology drives healthcare forward!

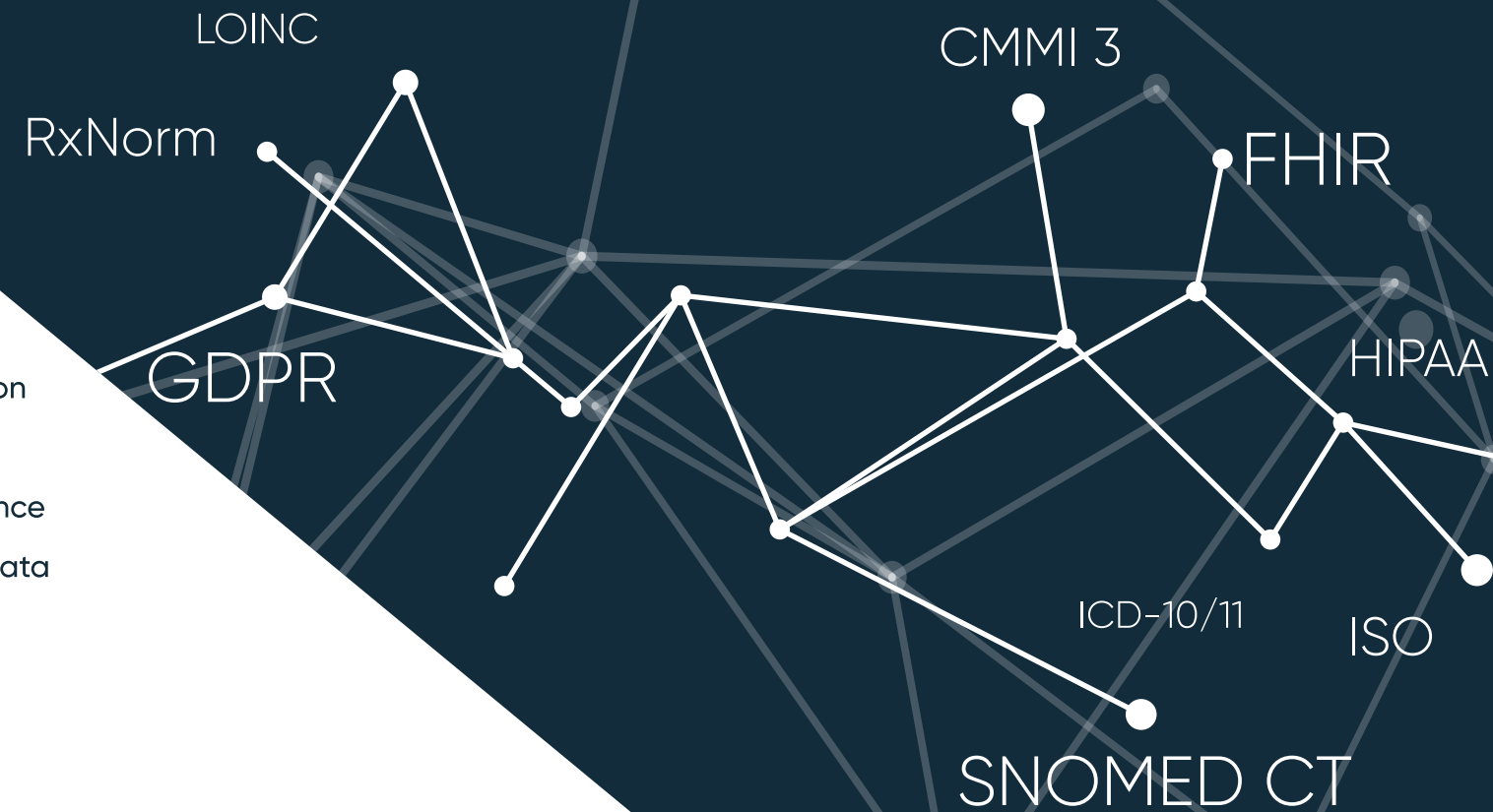
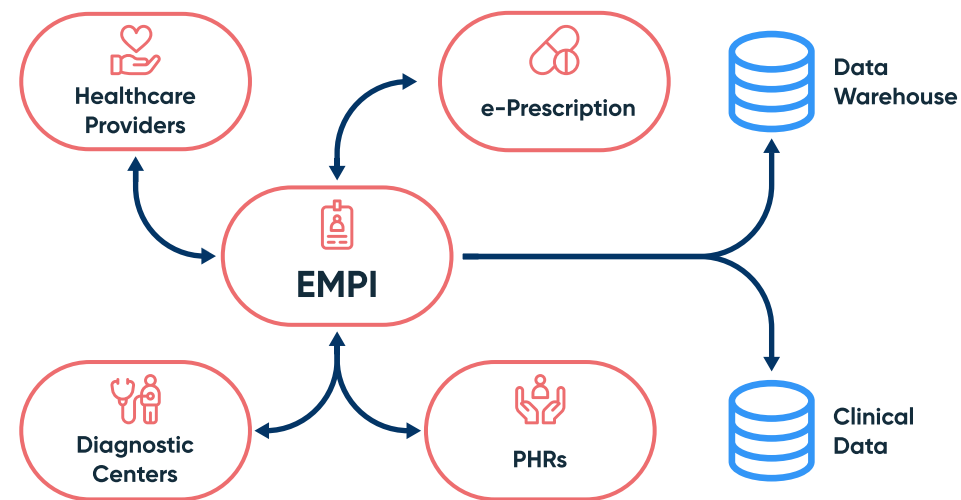


# Enterprise Master Patient Index (EMPI)

Enterprise Master Patient Index (EMPI) links identity and reference data across multiple healthcare solutions into a consistent point of reference.

It is of great importance that the patient data obtained from various sources of health institutions are singularized and identified to receive better care services for the patient.

- Data Integration
- Data Quality
- Data Governance
- Insights from Data



# Terminology Service

Terminology Service enables the authoring and management of terminology content by creating a structure in the National and International Clinical Terminology standards. With the terminology, all health records are managed with a correct encoding.

The use of Terminology Service helps in understanding and sharing health data. Building and managing terminology in health is a challenging aspect. Healthcare systems are made up of different parts, making it difficult for solutions to be error-prone and interoperable. This system solves all these challenges.

- Effective & Standard Mapping of Health Data
- Simplified & Complete Terminologies Usage
- Avoid Errors on Health Data
- Terminology Concept Mapping
- Ability to Work on FHIR Interface
- Interoperability between Systems

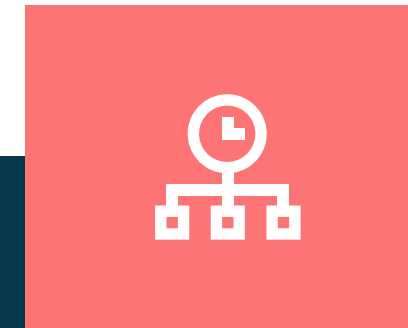
# Health Information Exchange Viewer

Health Information Exchange (HIE) Viewer is a product that improves the speed, quality and safety of patient care by allowing healthcare organizations to access and share each patient's data securely. It provides detailed information about the patient's current health conditions, medications, treatments, diseases, allergies and lab results to the healthcare professionals.

HIE Viewer enables physicians to view faster and more accurate patient records collected and documented from healthcare institutions. With patient consent, healthcare professionals access health data regardless of where & when examinations and treatments have been performed. Each patient has

the authority over their health data and can share it with healthcare professionals. HIE Viewer aims to increase the quality and speed of the diagnosis and treatment process with longitudinal records viewed by healthcare professionals.

- Collecting, storing and sharing health data
- Easy & secure access to patient medical information
- More accurate patient health records
- Consent management
- Health record
- Obtain holistic view of health data
- Reduction of cost of patient care while enhancing patient safety
- Improvement of quality and speed of diagnosis and treatment



## Health Record

HIE Viewer creates a longitudinal record of the patient.



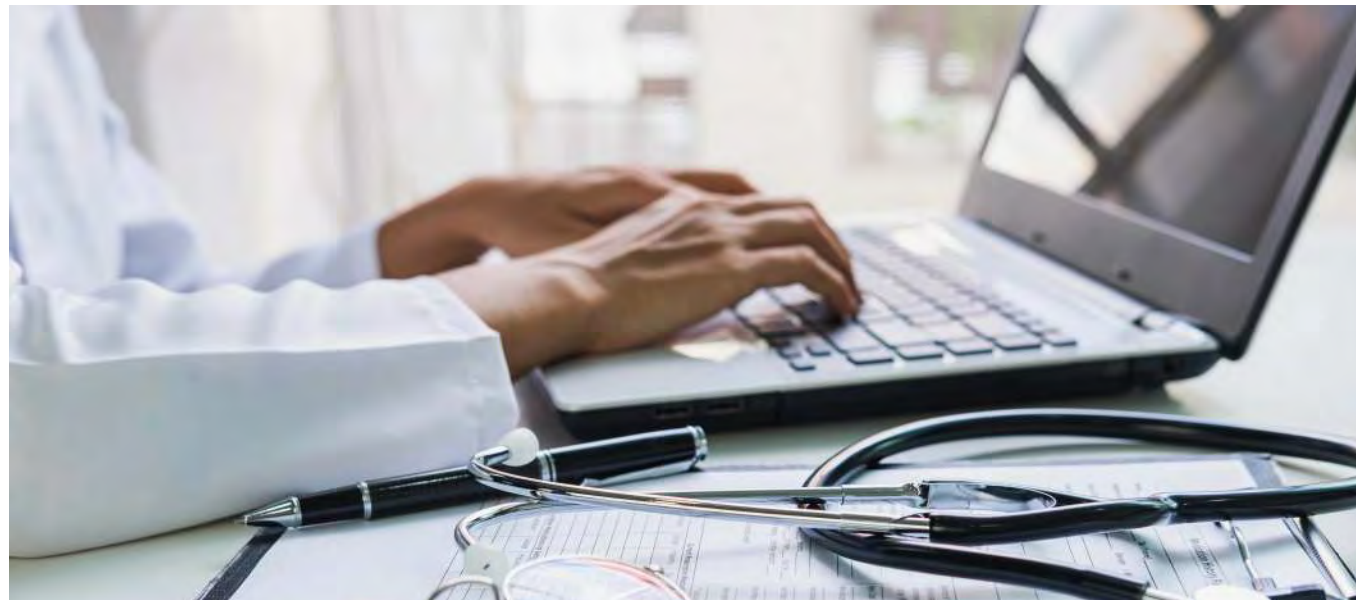
## Healthcare History Record

Healthcare professionals can monitor patient information easily from a single screen.



## Patient Privacy

HIE Viewer preserves the privacy of healthcare records



# Patient Engagement Personal Health Record (PHR)






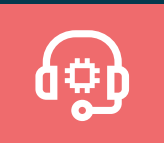





## PHR Mobile App

Through the PHR Mobile, patients can access all examinations, laboratory results, radiological images, prescriptions and any side effects that patients experience from medications. In addition, patients give consent to their health records with the physician they want for a certain period determined by them, partially or entirely.



Personal Health Record (PHR) provides 24/7 access to all patients' health records and gives them control and management of their health records. It enables all private or public health institutions to send integrated real-time data.

-  Lab Results
-  Allergies
-  Medical History
-  Prescriptions & Medications
-  Radiological Images
-  Smart Assistant
-  e-Appointment
-  Sensor Data
-  Drug Reminder

# Pharma Management Central e-Prescription



e-Prescription is a centralized system that covers all the processes of prescribing with the integration of all relevant stakeholders in the entire country. It includes a dispensing component, which seamlessly connects pharmacies and healthcare providers, ensuring accurate and timely distribution of medications as per the prescribed orders.

The system provides better treatment guidelines for healthcare professionals by providing accurate, up-to-date drug information and clinical decision support alerts. The patient history and previous

prescriptions are provided to prescribers for the patient's treatment plan. The system also helps physicians change prescription writing behaviors by providing defined drug policies.

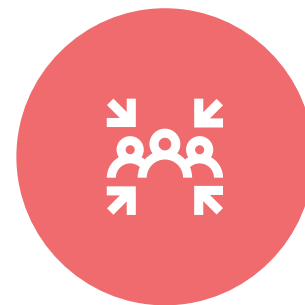
The e-Prescription empowers health policies by supplying effective policy applications that are reflected directly to all the stakeholders. Health authorities can obtain health analytics, reports and statistics from drug usage and drug writing rate data, including drug classification groups collected by the system.



2.2 M+ Daily Prescription



80 K+ Total Integrated Facilities



225 K+ Physicians



30 K+ Pharmacies

Prevents fake prescriptions

Restricts irrational drug consumption

Preventing drug-drug interactions

Prevents abuse of narcotics and psychotherapeutics

Ensures data safety

Up-to-date drug information and clinical alerts

# Drug Traceability

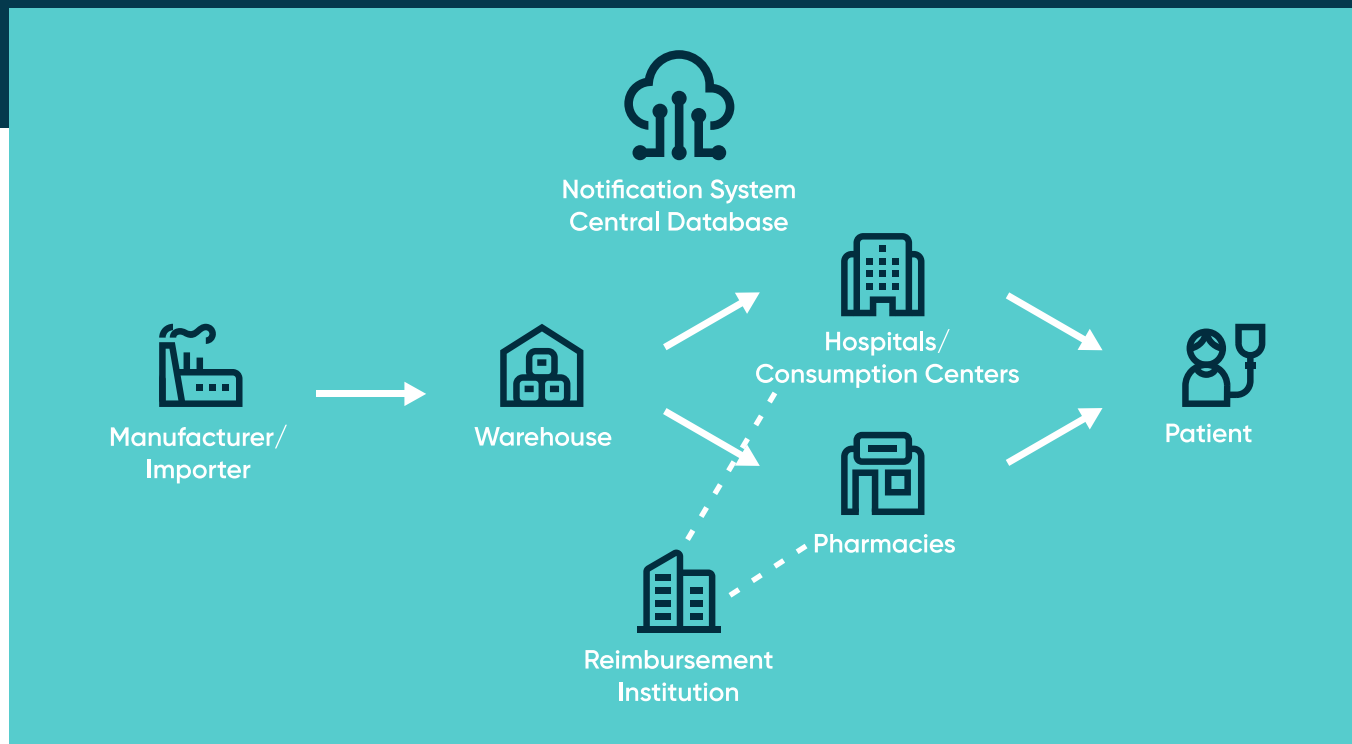
## DrugXafe – Drug Track & Trace System

DrugXafe is the first system in the world that can track and trace each drug box in the entire country with end-to-end traceability. DrugXafe is a centralized system in which all stakeholders are fully integrated to send and take real-time notifications.

The system blocks the entry of counterfeit drugs into the supply chain and enables monitoring of medicines to improve patient safety. It provides track & trace on pharmaceuticals and offers control over the supply chain.

# DrugXafe Mobile App

DrugXafe Mobile App offers people easy access to their medicine's information 24/7 from anywhere that the internet is available. It enables users to check if the medicines are counterfeit, recalled or expired with the help of the data matrix.



- Provides Drug Safety
- Tracks the Side Effects of Medicines
- Effective Recall
- Expiration Date Control
- Reimbursement Fraud Prevention
- Prevents Parallel Trade
- Stock Management
- Clean Supply Chain

- 50 K+ Stakeholders in Türkiye  
13 K+ Stakeholders in S. Arabia  
3 K+ Stakeholders in Qatar
- 125 M+ Daily Transactions
- Türkiye (2010)  
S. Arabia (2018)  
Qatar (2023)

## AI & Analytics

# ShareMind - Health Analytics Platform

Health Analytics Platform, branded as ShareMind, combines predefined machine learning models with data analysis for researchers to develop their models. This platform ensures effective and secure healthcare research by allowing access to comprehensive analysis of sensitive health data without being directly shared with platform users.



Adopting a comprehensive security model with a focus on core safeguards and clear visibility.



Emphasizing fundamental security and transparency in our approach.



Centralizing control over every step of the research process for streamlined management.



Maintaining privacy and adherence to regulations like KVKK, HIPAA and GDPR, without needing direct data access.

# AI Sym4Med

AI Sym4Med stands as a testament to the potential of AI in healthcare, led by Fraunhofer Institute and backed by the European Union's commitment to innovation and excellence.

AI Sym4Med is dedicated to creating a platform that will equip healthcare data engineers, practitioners, and researchers with a reliable dataset system enhanced with controlled data synthesis for experimentation and modeling. This platform intends to ensure data privacy and security by integrating innovative anonymization methods, attribute-based privacy approaches, and dependable tracking systems.



Co-funded by the European Unions

- Distributed Health Architecture
- Synthetic Data Expansion
- Trust and Privacy
- Data Management Validation
- Scalability of Synthetic Data



# Predis - Early Warning Platform

Predis is an advanced early warning system and AI-based robust healthcare data analysis platform that delivers insights crucial for informed public health decision-making.

Predis is a critical player in healthcare data analytics and contributes significantly to improving public health decision-making processes through data-driven strategies.



Identifying and reporting anomalies in health data



Enabling swift response to irregularities



Providing valuable insights derived from health data



Better outcomes with predictive analytics



Solutions for addressing health-related issues



Provide data tracking to local authorities

## Autonym

Autonym, an innovative automatic AI-driven tool, revolutionizes data confidentiality by anonymizing personal information across various data types: visual, tabular or free text.

Autonym facilitates secure cross-sector data sharing by utilizing AI-driven anonymization, prioritizing user transparency and global collaboration. Tailored for institutions like health ministries and banks, it anonymizes personal data for research, preserving privacy while maintaining data's intrinsic value, addressing confidentiality concerns in today's data-driven landscape.

- Automated Anonymization
- Preserved Data Utility
- GDPR & HIPAA Compliance

- Security Against Data Breaches
- Resource Optimization
- Enhanced Data Privacy



# Population Health Management



## Disease Management

Disease Management System offers central/national chronic disease management and treatment planning that can be integrated with healthcare providers. It provides care plans based on national clinical guidelines, with care pathway recommendations. The system supports healthcare professionals non-intrusively and includes screening and monitoring the disease, focusing on continuous care plan management.

# Health Analytics & Reporting

Health Analytics and Reporting, a type of population health management software, delivers standardized health data analytics and BI reporting on healthcare activities and shared data. This enables the analysis of health measures for the population, the efficacy of healthcare systems, and compliance.

This population health management software provides standardized analytics and reporting using AI-powered BI tools, facilitating precise measurements of population health, healthcare system effectiveness, and compliance.

-  Patient Safety
-  Care Plan Management
-  Screening and Monitoring of Chronic Diseases
-  Seamless Integration with Tiga's PHR for Patient Engagement

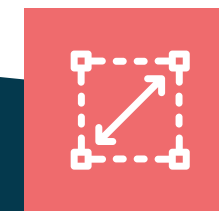
-  Treatment Effectiveness Tracking
-  Risk Assessment & Diagnosis
-  Providing Personalized Care Plans
-  Data-Driven Recommendations



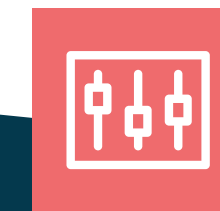
### BI Reporting Capabilities

A foundation for long-term success in improving clinical health outcomes.

Flexible, scalable, long-term solutions to support population health goals.



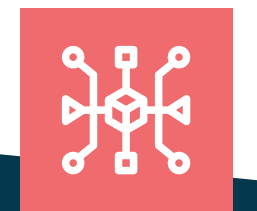
### Scalability



### Customization

Prevention of unnecessary costs and optimizing resource use.

More prescriptive management of high-risk patients to prevent rising risks.



### Predictive Analysis

## Personalized Healthcare

# MobiThera - Remote Physiotherapy Application

MobiThera is a trailblazing health software solution redefining therapeutic interventions in physiotherapy and ergotherapy.

This comprehensive platform facilitates protective and curative health measures through an interactive application, enabling measurements via smartphones and tablets. This application empowers patients with enhanced accessibility to personalized care, real-time guidance and increased engagement. Its convenience, progress tracking and efficient communication make therapy flexible and cost-effective, ensuring better compliance, adherence and data-driven clinical decisions.

- Enhanced Accessibility
- Personalized Treatment Plans
- Increased Patient Engagement
- Convenience and Flexibility
- Continuous Progress Tracking
- Data-Driven Decisions



## Hospital Information System

### Clinical Solutions

Clinical operation solutions, which are developed for monitoring and managing the patients' entire medical treatment workflows, also encompass systems like the Clinical Information System, Radiology Information System, Laboratory Information System and Pharmacy Information System, including various facets of healthcare management.

- Organized and coordinated the treatment process
- Integration with EHR/EMR systems

### Administration Solutions

Administration solutions are used to manage the patients and facility staff as well as automate the billing and accounting processes. It streamlines administrative and financial operations in healthcare settings, including Billing & Accounting System, Employee Information System and Insurance & Reimbursement tools.

- Automation of the registration and administrative processes
- Reimbursement and insurance process management



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