DigiGOV™

LIVE YOUR VISION

TCS DigiGOV™ - HMIS (Hospital Management Information System)

tcs TATA CONSULTANCY SERVICES

Healthcare budgets in most countries are strained by growing populations, there is always a pressure of providing more quality services with limited resources. There is a constant demand for reducing cost, enhancing the patient experience, and enabling medical staff with easy access to key health indicators on a real-time basis. This is creating a pressing need to integrate new health programs with a provision to seamlessly pass benefits to medical staff and patients based on pre-defined criteria. This also helps hospitals in monitoring performance and enhance transparency.

TCS DigiGOV™- Hospital Management & Information System (HMIS) is a comprehensive solution that streamlines patient care and other processes for an efficient hospital management system.

Overview

Hospitals and Health Departments of National and State Governments are required to capture, consolidate and preserve patients' clinical records digitally, as Electronic Medical Records (EMR) to ensure uniformity of processes and compliance to Electronic Health Records (EHR) and National Digital Health Mission (NDHM) standards.

Digital storage and processing of records enable patients to receive quick and quality treatment across hospitals drives easy access to various health services and boosts transparency and patient satisfaction by reducing wait time, processing hassles, etc. It also facilitates seamless integration of health information with external health programs and services such as insurance agencies to provide greater benefits to patients.

However, with a large legacy IT infrastructure burdened with multiple digital healthcare solutions deployed in silos, government healthcare departments find it challenging to effectively monitor available resources, equipment, and services. They need a centralized hospital management system to drive uniformity in all data collection processes and ensure compliance to regulatory boards Medical Council of India (MCI) for permissions and approval. Such a system will also ensure centralized monitoring to check disease trends, drug consumptions, staff availability, and hospital performance and enable the patient to access health data from anywhere at any time.
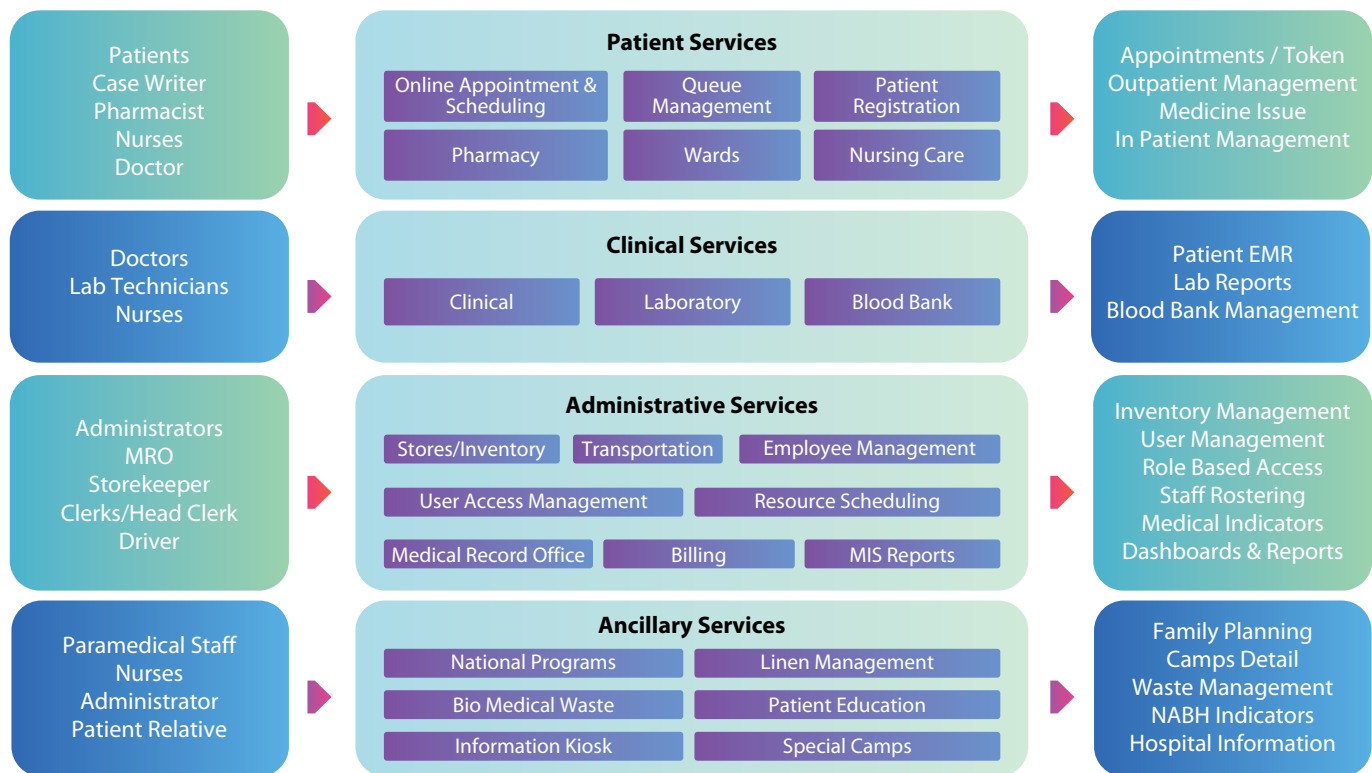
Hospital Management Information System (HMIS) offered by TCS DigiGOV™ provides a complete package and covers all stakeholders such as administrators, medical staff, and patients. It is an end-to-end solution for all hospital processes that eliminate the need to deploy point solutions (for a lab, store, blood bank, pharmacy, operation theatres, etc.), enabling easy monitoring and management of information.

Our Solution

HMIS includes these salient features:

- Generates and maintains Electronic Medical Record (EMR) adhering to Electronic Health Record (EHR) standards.

- Enables health records interoperability as per National Digital Health Mission (NDHM) standards.

- Automates administrative and patient care activities of hospitals generate extensive management reports, operational statistics, and offers a powerful query module.

- Reduces overall patient cycle time within a hospital.

- Provides workflow-enabled process and parameterized alarms and triggers during the patient treatment cycle.

- Access to hospital performance on key health parameters on a real-time basis (top and low performing) along with Grade generated automatically based on the clinical information collected in the system.

- Customizable and scalable solution that allows easy integration with national and state health systems with access over multiple channels like desktop, mobile, and tablets.

TCS DigiGOV - HMIS serves as a centralized patient and hospital management system for government health departments, regulatory bodies, and large private and public hospitals.

An overview of the TCS DigiGOV Hospital Management System

Benefits

TCS' DigiGOV - Hospital Management & Information System (HMIS) provides the following benefits:

- Improved patient satisfaction with real-time access to medical records across multiple channels

- Tool for acquiring approval from regulatory bodies such as Medical Council of India (MCI)

- Improved hospital performance through real-time monitoring of key health parameters with grading

- Helps hospitals reduce overall care delivery costs

- Maintenance of Electronic Medical Records as per govt. standards

- On-demand customization and scalability to enable easy integration with other national and state systems

- Improved compliance to healthcare regulations and standards (EHR, ICD 10, HL7, LOINC, SNOMED, MCCD, NABH, NDHM)

- Flexible and Scalable model (on cloud, centralized, and on-premise)

- Enables high operational efficiency with the use of templates in high patient load

The TCS Advantage

- **Extensive experience:** TCS DigiGOV™ HMIS has over 14 years of strong experience in the implementation of a Hospital Management System and has catered services to over 30 million patients.

- **Established credentials:** Some key credentials include being awarded one of the best patient management systems by Computer Society of India (CSI) Nilihent, National E-governance, E-Health awards (for outstanding ICT enabled initiative), and Scotch Challenger. The solution has also featured in several Indian news publications, including Indian Express, Times of India and DNA.

- **Implementation success:** Leveraging TCS DigiGOV HMIS has helped states achieve the top spot in terms of patient satisfaction (as per a government survey). The solution has also served as an assistance tool for government to get successful approval from MCI in seven Indian medical colleges.

- **Wide coverage:** The solution addresses key pain areas of the hospital management system including quality service, operational efficiency, and adherence to key health standards. Services are also catered to large and small health facilities with provision for a citizen-facing patient portal.

- **Focus on innovation:** TCS leverages human contextual knowledge and access to strong research and innovation units, global alliances, and a network of innovation labs to continuously improvise on solutions.

- **Ease of use:** The solution has been in use for almost a decade and it ensures high operational efficiency with great ease of use and is easy to integrate with external solutions to drive better experience and expand service delivery.

Awards & Recognition

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To know more

Visit the **https://www.tcs.com/public-services** page on **tcs.com**

Email: **digigov.connect@tcs.com**

About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that has been partnering with many of the world's largest businesses in their transformation journeys for over 50 years. TCS offers a consulting-led, cognitive powered, integrated portfolio of business, technology and engineering services and solutions. This is delivered through its unique Location Independent Agile™ delivery model, recognized as a benchmark of excellence in software development.

A part of the Tata group, India's largest multinational business group, TCS has over 453,000 of the world's best-trained consultants in 46 countries. The company generated consolidated revenues of US $22 billion in the fiscal year ended March 31, 2020, and is listed on the BSE (formerly Bombay Stock Exchange) and the NSE (National Stock Exchange) in India. TCS' proactive stance on climate change and award-winning work with communities across the world have earned it a place in leading sustainability indices such as the Dow Jones Sustainability Index (DJSI), MSCI Global Sustainability Index and the FTSE4Good Emerging Index.

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