Lifetrenz
Healthcare Information Solutions
Solutions for Care Anywhere

Suite of World Class Health Information Management Solutions
Comprehensive and Affordable
Lifetrenz Vision
To be the Best in Class Healthcare Information Solutions provider, in the markets we address. Our state of the art solutions meet all current standards, laid down for any market, by keeping ahead of Domain & Technology. Lifetrenz Solutions support clients achieve their goals by helping deliver Affordable, Safer and Quality Healthcare Anywhere.

Lifetrenz Values
Lifetrenz believes in the values of Honesty that earns trust, Transparency in Transactions, a Commitment to deliver on our Promises and integrity in all our dealings. We grow by engaging ethically with all our stakeholders - our human capital, our customers and our partners.

Lifetrenz Solutions
Lifetrenz integrated solutions provide data, information and knowledge management tools to support healthcare delivery. The State of the Art solutions empower healthcare providers and healthcare organizations to deliver quality care that’s safer and achieves better outcomes. The solution designs incorporate the newest tested technical features developed to meet international standards in health information systems. The suite of Lifetrenz Solutions are modular in design. This allows Lifetrenz to serve clients of all sizes, with the entire suite or a selected set of applications. The standards based design supports interoperability across the modules and allows Lifetrenz to interface with other existing solutions in the organization.

The suite of solutions comprises of independent modules integrated with a patient-centric focus. The solutions support the care team to deliver care anywhere. The Modules support care delivery in the outpatient settings, inpatient settings, remote care monitoring and telecare, including administration, operational support, care coordination, resource utilisation and Revenue Cycle Management. Lifetrenz solutions are developed for deployment in the cloud or at dedicated data centers/or on premise. The Lifetrenz Technology Framework is designed as an extensible Technology stack. The architectural design incorporates features to support growth, scalability and security, with an emphasis on ease in set up to reduce go-live requirements. The solution is truly a blend of best of functionalities with User-friendliness to support adoption and usability. Lifetrenz team starts with training the client organisation’s end users, designing the clinical and operational/financial workflows with the client team as required, while ensuring that there is no loss of productivity during the implementation and adoption stages. Lifetrenz supports the Client Organisation to fully adopt and derive immense value from the solution.

Lifetrenz solutions are available as a complete turn-key solution that makes it possible to capture, store and retrieve patient clinical data using EHR standards. The solutions help healthcare organisations manage operations, revenue cycle and Business Intelligence and Analytics, to support the individual patient and population health management. The current client base includes Polyclinics, Physician Offices and Hospitals. A health system with more than 20 sites across a nationwide geographic spread has a single instance of the shared database. This allows a patient to access any site of care with technology supporting the continuity of care. Lifetrenz community of end users are supported and encouraged to adopt the Best Known Practices through the built-in workflows in the system. Any professional person or organization in Healthcare, wishing to streamline their practice and align their work at the level of International standards and best practices will find that Lifetrenz makes this journey painless.
Lifetrenz Value Propositions

Lifetrenz provides compelling reasons to choose its products based on the strong credentials of its Professional Team, their technical expertise, the Technology Framework and the real-time customer support system we provide. The patient-centric focus has driven us to build EHR Standards-compliant clinical documentation solutions, to meet the primary reason for a person seeking healthcare services. We have then added the support modules to complement the functions of information management in the delivery of care. There are also other unique differentiators in our products when compared to other products available in the market today, such as:

Lifetrenz - The Total Package
The solutions offered are a complete package covering clinical data management needs and operational support to deliver coordinated care. Our Solutions are designed to demand minimal data entry by the clinical staff. We strive to meet the need for IT enabled delivery of clinical care, with the aim of improving the quality and safety of patient care. This is the value proposition that makes Lifetrenz the choice, as many of the current solutions in the market are not amenable to creating an end-to-end, well integrated, enterprise-wide solution. Lifetrenz products are built keeping the patient at the center, whilst catering for all the clinical requirements, Administrative, Operations and Finance modules and a module as the Electronic Health Record (EHR).

Lifetrenz Built on Standards
The Lifetrenz Solutions are designed and structured to incorporate appropriate standards recommended by the World Health Organization and adopted standards mandated by the Health Information Technology market do not adhere to any standards. However, this is changing very fast with Governments across the world moving towards the adoption of EHR standards. It will soon be a necessity for all Healthcare providers to adopt these standards in their practice to ensure transparency, interoperability, and delivery of safer healthcare.

Lifetrenz solutions today fully comply with International and National EHR and Healthcare IT standards. By adopting our products, Healthcare Organisations can ensure that their investments are future-proofed.

Lifetrenz Technology Platform

Lifetrenz solutions are built on State of the Art Technology platform as a stack. It is optimized for the CLOUD, as a hosted private or shared instance, to optimize the investment value. Lifetrenz architecture is ready for the emerging needs, as the market is expected to become more oriented towards standards-based, mobile enabled and fully integrated solutions developed on Cloud technology platforms. They can be delivered either from our Cloud Platform or as an On-Premise solution, based on the individual choice our clients make.

Lifetrenz Technology Highway

Lifetrenz recognizes the importance of providing the highest level of service support to its users post-implementation. Lifetrenz has designed and deployed a unique solution, where-in users can raise customer support requests on-line, during the usage of the application, for a quick resolution of their issues. The request raising and resolution is addressed through customer support tickets with appropriate levels of escalation for unresolved support requests. The uniqueness of this process is that, the users can rest easy knowing fully well that the professional support for disruption-free operation of their facility is available whenever needed. Due to this robust solution, customers can say “Good Bye” to waiting for customer support to arrive on-site and resolve the issues. This “Then and There” approach of Lifetrenz has been highly appreciated by our network of Customers.
Lifetrenz Hospital, the complete patient centric end-to-end solution for Hospital Management that surpasses the expectations of all the important Stakeholders of a Healthcare Organization.

**HIS Modules**
- Patient Registration
- Appointment Management
- Billing
- Change Managers
- Healthcare Packages
- Professional Fees Management
- IP ADT
- Bed Administration
- Corporate/ Organisations Management
- Insurance Management
- Indents Management
- Medical Equipment Services Management
- Lab Information System
- Radiology Information System
- Nursing Information System
- Blood Bank Management
- Ward Information System
- Pharma Information System
- IP Formulary Management
- Diet & Nutrition Services
- Medical Records Module
- CSSD Management
- Laundry & Linen Management
- Housekeeping Management
- Help Desk

**EHR Modules**
- Standards Compliant Electronic Health Records (EHR)
- Clinical Workflow Management
- Clinical Decision Support System (CDSS)
- Clinical Care Pathways
- Order Set Management
- Drug Database & Information Frame Work
- Computerised Provider Order Entry (CPOE)
- e-Prescription Platform
- Electronic Medication Administration (eMAR)
- ER & Daycare Module
- OT Management
- Anesthesia Management

**ER Modules**
- Financial Management System
- Accounts Receivable
- Accounts Payable
- Purchase Management
- Stores & Inventory Management
- Fixed Asset Management System
- Human Resources Management
- Pay Roll Management
- Performance Management System

**Remote Healthcare**
- Chat & Video Consulting
- Remote Monitoring Solution
- Home care

**Integration Capability**
- Laboratory & Medical Equipment
- Bar Codes & RFID
- Biometrics
- PACS
- IME Gateway
- Credit / Debit Card Swipe Machines
- Payment Gateways
- Third Party Solutions

**Patient Interfaces**
- Patient Portal
- Patient Mobile Apps

**BI & Analytics**
- Top Management Dashboards
- Financial Dashboards
- Operations Dashboards
- Clinical Dashboards
- Analytics & Consulting

**EHR Modules**
- Standards Compliant Electronic Health Records (EHR)
- Clinical Workflow Management
- Clinical Decision Support System (CDSS)
- Clinical Care Pathways
- Order Set Management
- Drug Database & Information Frame Work
- Computerised Provider Order Entry (CPOE)
- e-Prescription Platform
- Electronic Medication Administration (eMAR)
- ER & Daycare Module
- OT Management
- Anesthesia Management

**Decision Makers:**
The solution is designed to integrate the mission critical functions of Operations’ staff with all other functions in the Hospital, through efficient monitoring and timely interventions, for optimal functioning of Healthcare organizations.

**Finance Management:**
The solution captures all the financial processes and ensures financial integrity whilst providing analytical support and business intelligence with an eye on the Key Financial Performance Indicators, for improving top and bottom lines of the Hospital.

**Nursing Staff:**
The nursing workflows and processes are designed to intuitively and intelligently aid the nursing staff in providing effective support in delivering efficient and quality care to the patients whilst avoiding errors. Minimal data entry ensures maximum time spent on patient care.

**Doctors:**
The Doctor’s applications are built keeping the Patient at the Center with emphasis on timely and efficient clinical workflows and processes for delivering Quality Patient care – Anywhere, Anytime. The system intelligently learns and adapts to a Doctor’s practice, thus ensuring easy adoption with no loss of productivity.

**Quality Team:**
Lifetrenz ensures real-time Quality in care, apart from reducing manual documentation requirements, thereby reducing number of manhours required for Quality certification processes.

**Integration Capability**
- Laboratory & Medical Equipment
- Bar Codes & RFID
- Biometrics
- PACS
- IME Gateway
- Credit / Debit Card Swipe Machines
- Payment Gateways
- Third Party Solutions

**Remote Healthcare**
- Chat & Video Consulting
- Remote Monitoring Solution
- Home care

**BI & Analytics**
- Top Management Dashboards
- Financial Dashboards
- Operations Dashboards
- Clinical Dashboards
- Analytics & Consulting

**Decision Makers:**
The solution is designed to integrate the mission critical functions of Operations’ staff with all other functions in the Hospital, through efficient monitoring and timely interventions, for optimal functioning of Healthcare organizations.

**Finance Management:**
The solution captures all the financial processes and ensures financial integrity whilst providing analytical support and business intelligence with an eye on the Key Financial Performance Indicators, for improving top and bottom lines of the Hospital.

**Nursing Staff:**
The nursing workflows and processes are designed to intuitively and intelligently aid the nursing staff in providing effective support in delivering efficient and quality care to the patients whilst avoiding errors. Minimal data entry ensures maximum time spent on patient care.

**Doctors:**
The Doctor’s applications are built keeping the Patient at the Center with emphasis on timely and efficient clinical workflows and processes for delivering Quality Patient care – Anywhere, Anytime. The system intelligently learns and adapts to a Doctor’s practice, thus ensuring easy adoption with no loss of productivity.

**Quality Team:**
Lifetrenz ensures real-time Quality in care, apart from reducing manual documentation requirements, thereby reducing number of manhours required for Quality certification processes.

**Decision Makers:**
The solution is designed to integrate the mission critical functions of Operations’ staff with all other functions in the Hospital, through efficient monitoring and timely interventions, for optimal functioning of Healthcare organizations.

**Finance Management:**
The solution captures all the financial processes and ensures financial integrity whilst providing analytical support and business intelligence with an eye on the Key Financial Performance Indicators, for improving top and bottom lines of the Hospital.

**Nursing Staff:**
The nursing workflows and processes are designed to intuitively and intelligently aid the nursing staff in providing effective support in delivering efficient and quality care to the patients whilst avoiding errors. Minimal data entry ensures maximum time spent on patient care.

**Doctors:**
The Doctor’s applications are built keeping the Patient at the Center with emphasis on timely and efficient clinical workflows and processes for delivering Quality Patient care – Anywhere, Anytime. The system intelligently learns and adapts to a Doctor’s practice, thus ensuring easy adoption with no loss of productivity.
LifeTrenz Hospital is a patient-centric & standards compliant Hospital Management System, that is highly configurable to provide automated, end to end, streamlined integration of various processes in your hospital like:

- **LifeTrenz Hospital's Outpatient Management System** is an integrated solution that covers various processes from Patient Registration, Appointment Management, Billing, Physician Consultation, e-Prescription for medications, Laboratory investigations, Radiology Tests and other OP services and their billing and patient check-out. It can be either to the Hospital's Day care services or as an In-Patient, these are also handled electronically by the OP Management System. These processes can be fully electronic and customizable depending on the workflows of each healthcare facility. The Outpatient Management System automatically creates the Patient's Electronic Health Record (EHR), as per International and Indian EHR standards and maintains the patient medical record digitally for storage and retrieval for future use.

- **LifeTrenz Hospital In-Patient (IP) module** is highly configurable and automates all the processes related to In-Patient services in your hospital, from Admission to Follow up to Discharge. It has Admission Discharge Transfer (ADT), Inpatient Electronic Health Record (EHR) and Hospital billing functionalities incorporated within it. It dynamically ensures that the patient's clinical and billing activities are reliably and accurately carried out. The system has a provision to admit patients directly from out-patient or the emergency department of a hospital, with all the accompanying admission orders flowing in along with the patient’s EHR. LifeTrenz Hospital In-Patient is well integrated with modules such as Operation Theatre, Laboratory, Radiology and other allied services which are associated with patient care in a healthcare organization.

- **LifeTrenz Hospital Management Operations Solution** has a comprehensive module that can handle the Emergency Room (ER) and Day Care functionalities. The Emergency Room being a fast moving, dynamic, transient and high turnover clinical environment needs Quick registration, Triage and Tracking of patients, Speedy and easy input of data and orders. High usage of protocols, provision to handle Medico Legal Cases (MLCs) and Continuum of care, if a patient is admitted to IP. The LifeTrenz ER & Day Care Management process is designed to register and handle patients quickly with nil or minimal personal information, yet ensure that no data of any patient is mixed up or lost. This becomes extremely important in an ER to ensure that care is delivered without any delay. All process oriented design captures all the billable activities for each patient. The Billing process in the Finance Module takes its inputs from the various processes in the Operations and Clinical modules and generates accurate and reliable bills. There is a patient level ledger that is maintained for each patient and the ledger is updated in real time based on the various financial transactions captured for the patient in the system. The ledger can be exported to Excel and pdf formats. While the billing module generates and dynamically updates the patient ledger and shows the Credit or Debit balance against the Patient, the Accounts Receivables Module provides a One-Stop information source to see all the receivables from different payers, at any point of time.

- **MIS & Reports module** built into the Solution captures all the necessary data required for creating reliable Operational, Financial and Clinical Reports. LifeTrenz Hospital Management System MIS & Reports module offers accurate and timely reports that are needed by the Finance Department to analyze and improve the Financial Efficiency of the Hospital.
The Electronic Health Record (EHR) is a longitudinal electronic record of patient health information generated by one or more encounters in any care delivery setting. The Lifetrenz (EHR) is an advanced and comprehensive EHR that forms the fulcrum for automation of your clinical workflows. Being patient-centric in design, it integrates your financial, clinical, inventory and operation processes in your clinical setting to bring about efficiencies with reduction of redundancies such as duplication of tests. At the same time no necessary steps such as billing for a service are missed out.

- It’s powerful Clinical Decision Support System (CDSS) powered by Lifetrenz’s extensive drug information framework and knowledgebase, results in avoidance of clinical errors, enhancing patient safety and clinical assistance at the appropriate points of clinical decision making.
- Being compliant to International EHR standards, healthcare data can be imported from or exported to other standards compliant healthcare systems thus making it interoperable.
- Being integrated with an HIS system it provides all the functionalities for complete Outpatient and Inpatient cycles, while simultaneously being intuitive and easy to use.
- The Lifetrenz EHR solution can either be deployed on top of any standards compliant third party Hospital Information System (HIS) or along with Lifetrenz HIS as a single solution.
- Lifetrenz EHR solutions are available for Healthcare Organisations of all sizes from single facility to networks of facilities.

- Clinical Care Pathways, to ensure Quality of Healthcare Delivery
- Compliant to Standards like ICD-10, SNOMED-CT, LOINC, UMLS, RxNorm, NIC, NOC, NANDA, DICOM, CCD / CCDA, HL7 etc
- Integrated HIS with EHR, no service ever goes un-billed
- CDSS to reduce/avoid Clinical Errors & Medico Legal Cases

The Electronic Health Record (EHR) is a longitudinal electronic record of patient health information generated by one or more encounters in any care delivery setting. The Lifetrenz (EHR) is an advanced and comprehensive EHR that forms the fulcrum for automation of your clinical workflows. Being patient-centric in design, it integrates your financial, clinical, inventory and operation processes in your clinical setting to bring about efficiencies with reduction of redundancies such as duplication of tests. At the same time no necessary steps such as billing for a service are missed out.

The Electronic Health Record (EHR) is a longitudinal electronic record of patient health information generated by one or more encounters in any care delivery setting. The Lifetrenz (EHR) is an advanced and comprehensive EHR that forms the fulcrum for automation of your clinical workflows. Being patient-centric in design, it integrates your financial, clinical, inventory and operation processes in your clinical setting to bring about efficiencies with reduction of redundancies such as duplication of tests. At the same time no necessary steps such as billing for a service are missed out.

- It’s powerful Clinical Decision Support System (CDSS) powered by Lifetrenz’s extensive drug information framework and knowledgebase, results in avoidance of clinical errors, enhancing patient safety and clinical assistance at the appropriate points of clinical decision making.
- Being compliant to International EHR standards, healthcare data can be imported from or exported to other standards compliant healthcare systems thus making it interoperable.
- Being integrated with an HIS system it provides all the functionalities for complete Outpatient and Inpatient cycles, while simultaneously being intuitive and easy to use.
- The Lifetrenz EHR solution can either be deployed on top of any standards compliant third party Hospital Information System (HIS) or along with Lifetrenz HIS as a single solution.
- Lifetrenz EHR solutions are available for Healthcare Organisations of all sizes from single facility to networks of facilities.

- Accelerate Healthcare Delivery
- Automate the End-to-End Management
- Reduce Clinical Errors
- Reduce Cost of Healthcare Delivery
- e-Prescriptions to avoid errors
- Patient-centric Workflows
- CDSS to reduce/avoid Clinical Errors
- Patient Lifecycle management
- Simplify the Coordination of Care
- Eliminate the Constraints of Place

- Framework to switch from Paper-based to Digital Hospital
- Integrated HIS with EHR, no service ever goes un-billed
- Clinical Care Pathways, to ensure Quality of healthcare Delivery
- Inter-operable & standards compliant Patient Health Records
- Standards compliant for Financial, Operational & Clinical Efficiency
- High Functionality & High adoption by clinicians
- Low Total Cost of Ownership (TCO)
- Highly stable, secure and scalable
- Constantly evolving cutting edge technology
- Ideally suited to leverage the cloud delivered Software
Lifetrenz LIS - This solution is ideally suited for Diagnostic Centers and Diagnostic Laboratories – whether they are standalone entities or interconnected.

Lifetrenz RIS – Lifetrenz standards compliant Radiology Information System that can interconnect with any standards compliant PACS.

Lifetrenz Pharmacy – A complete Pharmacy Management Solution built on a strong foundation of Drug Database that can help automate both single pharmacy or a chain of pharmacies.

Lifetrenz CDSS – A Clinical Decision Support System, built on Drug Information Framework compliant to international standards that can screen for drug-drug, drug-allergy, drug-disease, duplicate therapy, dose-range, drug-food, pregnancy/lactation, geriatric, paediatric precautions, renal & hepatic dosage adjustments etc.

Lifetrenz Patient Mobile App – A mobile Application available both on Android & iOS platforms, through which Patients can interact with their Lifetrenz EHR Platform. The mobile services such as Appointment Management, Patient Education, Medication Management, calendar etc.

Lifetrenz Patient Portal – A web based Portal with all of the functionalities of the Patient Mobile App and much more. The portal can be customised and integrated with any Healthcare Organisation’s website.

Lifetrenz Hospital - The Next Generation Hospital Information System (HIS) with Small, Medium and Large Hospitals.

Lifetrenz EHR - A World-Class EHR product, designed and developed based on International & WHO EHR Standards. This product is designed on the philosophy of Patient-centricity and can enable all Hospital functions like Administration, Operations, Finance and Clinical Functions “Go Paperless” in a seamless, integrated fashion delivering desired outcomes across the Healthcare Enterprise.

Lifetrenz ERP – A comprehensive ERP designed and developed for Healthcare organisations that help them manage all their back-office operations such as Financial Management, Inventory Management, Purchase Management, Fixed Assets Management, HR Management & Pay Roll.

Lifetrenz Homekare – Remote Monitoring & Home Care System that truly helps deliver Care Anywhere. A patient’s parameters such as Vitals and ECG can be monitored remotely and corrective actions facilitated.

Lifetrenz PolyClinic – This solution has been designed taking into account the requirements of Multi-specialty Polyclinics to enhance their efficiency and effectiveness of operations.

Lifetrenz Consultz – A Practice Management Solution & Standards compliant EHR with an e-prescription platform, that can fully automate Primary Care Physician Offices.

Lifetrenz Team
The Lifetrenz team includes interdisciplinary Healthcare Domain Software Experts. Their experience in clinical care and health service management is supplemented by smart software technologies well versed in emerging technologies. Together they have operational experience at all levels of care delivery in use of information systems and in systems development. The Lifetrenz team will be your partner to support adoption. The team will work with your clinical and other team members to achieve a great client experience on Go-Live.

Lifetrenz Suite of Products for Healthcare Organisations:

Lifetrenz LIS - This solution is ideally suited for Diagnostic Centers and Diagnostic Laboratories – whether they are standalone entities or interconnected.

Lifetrenz LIS - Lifetrenz standards compliant Radiology Information System that can interconnect with any standards compliant PACS.

Lifetrenz Pharmacy – A complete Pharmacy Management Solution built on a strong foundation of Drug Database that can help automate both single pharmacy or a chain of pharmacies.

Lifetrenz CDSS – A Clinical Decision Support System, built on Drug Information Framework compliant to international standards that can screen for drug-drug, drug-allergy, drug-disease, duplicate therapy, dose-range, drug-food, pregnancy/lactation, geriatric, paediatric precautions, renal & hepatic dosage adjustments etc.

Lifetrenz Patient Mobile App – A mobile Application available both on Android & iOS platforms, through which Patients can interact with their Lifetrenz EHR Platform. The mobile services such as Appointment Management, Patient Education, Medication Management, calendar etc.

Lifetrenz Patient Portal – A web based Portal with all of the functionalities of the Patient Mobile App and much more. The portal can be customised and integrated with any Healthcare Organisation’s website.