

Accelerators for ISVs and Health IT

Aimed at reducing time-to-market and add value to our customers, we have developed solution integrators that easily integrate into your existing products or IT systems. These solutions ensure a smooth user experience (UX) for the end-client, as they are structured to be white labelled. Rest APIs or existing APIs are being leveraged for seamless data integration. These solutions can be implemented and made ready to go-live within weeks rather than months.



Analytics for citizen health management

Acuma Solutions expedite the transition of healthcare organisation to provide better quality care, patient engagement, and clinical efficiency through intelligence. Currently, our solution is designed to provide clinical insights around diabetes. However, it is flexible enough to cover other chronic conditions like Hypertension, Chronic Obstructive Pulmonary Disease (COPD), and many more. Acuma's analytics solution is flexible and scalable; it can be customised on top or integrated into an existing web or mobile application.



Chronic Care Management (CCM)

Healthcare ISV's have identified this as a new source of revenue and a value addition that can be offered to their clients. Typical development time required to build a CCM as a feature into their product is between 9-12 months. Using Acuma's CCM accelerator with predefined business logic and workflows significantly reduces the time-to-market to 15 weeks. Our CCM framework covers everything from the first step of identifying eligible patients to getting reimbursed. We understand the details of CCM program and its benefits which can be leveraged by the providers. Our solution can be customised and delivered as a standalone CCM tool or Integrated within an existing healthcare product (ISV).



Healthcare Digitisation

Acuma's digitisation solution drives substantial outcomes across healthcare administrative, financial, and clinical operations. It can be leveraged by hospitals, clinics, and other healthcare organisations to enhance the patient's experience. By digitising patient registration forms, hospitals and clinics are enhancing the patient's experience and reducing errors in the system. Our solutions are ready to use, and enable providers and Telehealth companies to go-live within a few weeks.



Integration Framework

Acuma's Rapid Integration Framework (ARIF) has been developed to solve the integration challenges faced by healthcare organisations around exchanging patients demographic and medical records data. Our framework has the ability to share continuity of care records using HL7 Version 3 Clinical Document Architecture (CDA).



Portal solutions for Telehealth companies

Apart from seamlessly facilitating remote consultations, our portal solutions increase visibility for physicians, providing them with details of the patient's appointment and billing information. Acuma's portal solutions can easily integrate with other hospital legacy systems including hospital Electronic Health Record (EHR), Patient Management System (PMS) etc. thus providing a holistic view of the patients information.

Our portal solution provides features like online appointment requests, refill requests, bill pay and communication between provider and patient. By improving the patient's experience, health organisations enjoy increased revenue and improved patient care measures.

Health Information Systems

Acuma's integrated effort to collect, process, report and use health information and knowledge helps healthcare service providers to understand more about their patients and provide advanced care to them.



Electronic Health Record Systems (EHRS)

EHRS holds the key to transform healthcare IT systems. Multiple challenges need to be addressed while deploying and integrating EHRS. Challenges are related to cost, interoperability, data security, and patient-centered care. Acuma provides the following solutions to these challenges:

- UX-driven development increases user adoption
- Integration with third-party application helps in interoperability (interface engines like Mirth Connect or similar Enterprise Application Integration)
- Innovative digital solutions which enhances patient care and reduces overall healthcare cost



Laboratory and Radiology Management Systems

Laboratory, Radiology, and Cardiology plays an important role in patient care, they provide diagnostic data and images. Volume of data generated by these systems are huge. Real time information needs to be sent to EHRS and other hospital systems enabling better care for patient. At Acuma, we understand modern laboratory and radiology workflows; we are well versed with different code sets like Logical Observation Identifiers Names and Codes (LOINC) and Systematised Nomenclature of Medicine (SNOMED). We are geared to address the following:

- Integration of Laboratory Information System (LIS) with HER using HL7 standards
- Digital Imaging and Communications (DICOM) Message Exchange
- HL7 interface with Picture Archiving & Communication System (PACS)
- Reporting of results
- Appointment Scheduling
- Image tracking
- Billing integration and coding

Patient Engagement

An entire shift from traditional reactive care to futuristic proactive care is reducing healthcare cost and improving quality of life. User-friendly patient engagement tools and applications are providing the patient with an ability to manage medical conditions more effectively. It enables patients to quickly connect to their physicians, access medication lists, and laboratory results. Tools providing actionable clinical insights are not only engaging patients but empowering them in a true sense.



Mobile Health and Wearable Devices

Acuma's mobile technologies and wearable devices solutions are tailored to meet your requirements. Quality, safety, and accessibility are taken into consideration while developing solutions to reduce overall healthcare costs. We are the one-stop shop for any mHealth application development using iOS, Android or cross-platform technologies. These solutions can be connected securely to collect information from mobile applications and wearable devices. We can assist in adding the following features:

- Auto collection of data from fitness and wearable activity trackers
- Device integration for assessment of vitals and sleep patterns, and medication compliance
- Social network integration to manage communication
- Reminder and alerts
- Data exchange



Portal Solutions

Patient portal enables patients to book appointments, request prescriptions refills, pay bills, exchange email with their care providers, and review lab results. Patient portal stores patient discharge summaries and other clinical data. If you are looking for similar or more features in your portal, Acuma will be the right partner to build and further enhance your patient's experience. This solution has been built in a Drupal Content Management System. Drupal's modular architecture makes it a perfect fit for being the Content Management System (CMS) for healthcare.



Smart Living and Wellness Solutions

Life expectancy of people is increasing due to advancement in healthcare and the efforts invested in medical research. Acuma's healthcare functional experts conduct need assessments and gap analysis to develop preventive health and wellness solutions. This helps end-users to administer/manage their fitness, diet, exercise, and lifestyle, to keep illness at bay. In addition, Acuma is geared to add the following features to preventive, wellness, and similar solutions:

- Personal health risk assessment
- Tracking vitals
- Historical data pattern view
- Store and share data with care providers
- Wellness & disease analytics for early detection
- Family health profiles management
- Personalised health tips & educational resources
- Connect with community providers via phone, instant messaging and patient portals

EHR Integration and Data Migration

Our Integration team brings in expertise working with various EAI platforms like Mirth, BisTalk, Redpoint, Ensemble, Validic and integrated 3rd party solution with EHR's like Athena, Allscripts, Cerner, Epic, NextGen, Practice Fusion. We have executed several interfaces projects to exchange patient demographics, appointment details, billing, orders and results, Rx orders, DICOM images, etc.



Healthcare Integration

The healthcare industry is struggling to create an integrated ecosystem, primarily due to vendor products incompatibility. Acuma truly understands the complexities of the healthcare landscape. We enable healthcare organisations to exchange clinical information and automate workflows, a key for better patient care. We provide standard based (e.g. HL7 v2-v3, CCD, CDA, DICOM, FHIR, API) integration solutions.



Interface Development

A well designed and well developed system interface will be the core of any healthcare organisation. Integration project complexity increases due to multiple stakeholders from different departments, their workflows, and disparate systems. The optimised way to achieve interoperability is by building a custom point-to-point Interface or leverage EAI connectivity platforms. New generation wearable/medical device are integrated with such platforms for fetching streaming data into healthcare apps. The following things needs to be considered before developing a system interface:

- Ability to process any data (format neutral) scalability
- Ease of monitoring and management
- Deployment cycle
- The overall cost of integration
- We assist our customers from planning, implementing to maintaining enterprise or community-wide clinical information systems and break data silos

Analytics Services

Healthcare has significantly advanced over a period with built-in BI capabilities provided within EMR, EHR, LIS, and other healthcare IT systems. However, many organisations still face vendor compatibility challenges and struggle to transform unstructured data into meaningful information. Acuma strongly provides that data-driven decision making by bringing together various service providers on a single platform.



Clinical and Operational Dashboard

Accurate and complete information ensures delivery of quality services and proper care to patients. Clinical reports & dashboards empower providers with real-time operational and clinical intelligence. Trends obtained from historical, current & predictive data points are presented via dashboards enabling care providers to focus on appropriate areas. Partner with Acuma to build a customised reporting dashboard; we can also add the following features:

- Benchmarking and scorecards
- Clinical and operational dashboards
- Financial and billing dashboards
- Regulatory/CMS measures dashboards (PQRS, HEDIS, P4P)
- Case mix and resource mix index

Remote Care Technologies

Telehealth leverages mobile and video conferencing technology to remotely deliver health services, training, and health information.



Remote Care Technologies

Remote care technologies can measure patient's vitals and scan health data in the absence of a doctor or medical practitioner and enables patients to access physicians almost 24x7 from any remote location with a provision to share vital information. It reduces the probability of patients being admitted / re-admitted to hospital and ensures quality care continuum. Acuma's proven expertise in developing HIPAA compliant remote care solutions has empowered providers to perform remote consultations, monitoring, and follow-ups.

Our telehealth solution has the following features:

- Integrating with EHR / EMR systems
- Securing messaging across devices and address compliance

Healthcare Glossary:

CCM – Chronic Care Management

EHR – Electronic Health Record

LOINC - Logical Observation Identifiers Names and Codes

HIPAA - Health Insurance Portability and Accountability Act

HEDIS - Healthcare Effectiveness Data and Information Set

HL7 – Health Level 7

P4P – Pay for Performance

PMS – Patient Management System

PQRS - Physician Quality Reporting System

SNOMED - Systematised Nomenclature of Medicine