

Napier Hospital Information System



IT as a competitive differentiator - We have something for everyone

Napier Healthcare Information System (HIS) is built using a modern technology stack. It is a web-based, integrated, multi-facility, multi-lingual and scalable platform. Leading with innovation, Napier HIS leverages state-of-the-art Artificial Intelligence powered by Napier AI Inside®.

Today, Napier works with leading hospitals in Asia, Middle East and Africa. Leveraging such experience, Napier HIS allows providers to implement world-class processes out-of-the-box. With a quarterly routine to feature updates alongside Napier's unique Voice-of-Customer (VOC) tool, clients are empowered to become partners in the product development journey.

CLOUD-BASED

**MOBILE AND
AI-ENABLED**

**MORE THAN
30 MODULES**

Organization Leadership

Use Napier HIS to meet your business goals

Technology and strategy are inseparable. Top-level support and careful technology selection are key to meeting strategic goals. Napier HIS's capabilities that allow it to support the strategic framework needed for ensuring the successful management of the facility are defined below:

Regulatory Compliance

Promote Patient Safety

MEDICAL HEAD



- Establish Integrated, collaborative, and inclusive care approach
- Strategically plan the clinical services based on utilization data
- Promote medical quality, accurate clinical decision making and higher patient safety
- Track performance of all clinical functions

NURSING HEAD



- Easier to track nursing performance through data & trends
- Reduce nursing administrative burden
- Establish easy communication with all patient care providers
- Promote on time patient service

IT HEAD



- Single platform complete business needs
- Cloud-based technology
- NEIE platform for integration reduces integration challenges and increases velocity in connecting with newer sub-systems
- Robust data security & confidentiality
- Mobile-enabled, remote work access
- Voice-of-Customer (VOC) to log and track all new requirements

QUALITY HEAD



- Meet the quality standards with configurable workflows and templates
- Monitor performance by gathering relevant data and statistical reports
- Improve regulatory and accreditation compliance
- Reduce training needs

OPERATION HEAD



- Consistent & structured workflows
- Increases user ownership and transparency
- Efficient process monitoring and control
- Integrated functional flow, reduces redundant manual activities
- Assist in implementing policies and practices
- Quick and easy view of data trends to plan and monitor daily operations

FINANCE HEAD



- Accurate transactional data
- Controlled processes
- Financial reports and interpretations to recommend further courses of action
- Cost-reduction opportunities
- Well defined Revenue Cycle Management (RCM) workflow support the financial health of the organization
- Secure financial information based on user roles

Financial Sustainability

Patient Satisfaction



We support at every step of successful healthcare delivery



DOCTORS

- Improve patient-physician relationship
- Securely share information with patients and other clinicians
- Supports accurate diagnosis, reduce medical errors, and provide safer care



FRONT DESK

- Organized scheduling and flexible resource calendar
- Efficient administrative processes with increased patient face time
- Reduce human errors interoperable data flow
- All payment activities in one platform



NURSES

- Snapshot view of patient orders & alerts
- Patient ID scanning for medication administration
- Graphical view of assessment & vitals, highlights unsafe value or trends
- Reduce discharge time by timely clearances
- Configurable assessments forms



CODERS

- Reduce time between offering service and receiving claims
- Flexibility in defining payer and regulatory billing rules
- Reduce manual intervention in repetitive administrative tasks
- Boost coder/payer -physician relationship with advanced communications



PHARMACIST

- Promotes safe drug management protocols
- Clinical records integrated prescription review
- Drug barcodes system promote drug safety
- Easy to manage pharmacy stocks, near expiries and recalls



PURCHASE AND STORE KEEPERS

- Avoid stock-outs and excess stock
- Improve vendor relationship
- Centralized purchasing solution
- Barcode scanning speeds up inventory processes with accuracy
- Efficient in managing product recalls
- Analytics capabilities assist in making data-driven decisions



TECHNICIANS

- Active worklists minimize missed orders
- Eliminate manual transcribing of orders and results
- Promote accessibility of reports
- Resources utilization through scheduling systems
- Maintain test cost-effectiveness by monitoring consumption
- Manage critical result reporting



IT ADMINISTRATOR

- Promotes data security and integrity
- Role-based user access promotes data confidentiality
- Password management prevents unauthorized user access
- Front end configuration reduces the change requests



SURGICAL TEAM

- Boost OT utilization through well-structured OT booking
- Effectively plan surgeries using configurable surgical kits
- Promote surgical safety by mandating safety protocols



ANCILIARY SUPPORT

A single platform integrating the process of other healthcare services

- Medical Records
- CSSD
- Kitchen
- Biomedical
- Housekeeping
- Linen & laundry
- Ambulance management



Speech-to-Text



Optimized Process



Configurable Templates



Report Builder



Care Continuity



Boost Employee Productivity

Business sustainability is the ultimate aim



Patient Safety



- Standardized patient banner and checks improve correct patient identification.
- Promotes safe patient handover between care providers.
- Help reduce medication errors through legible & complete prescription drug alerts, barcode and RFID based medication administration.
- Comprehensive patient summary with up-to-date and accurate information.
- Alerts on allergies, communicable diseases, pending care order etc. keeps the care provider watchful.
- Obligate user to complete safety checklists, reduce the possibilities of near misses and potential harm.

- Dynamic regulatory requirements affect healthcare operations. Integration with external regulatory systems eases data flow.
- Promotes regulatory compliance through conforming workflows and clinical templates.
- Gain the trust of the regulators by ensuring data security, confidentiality and back-ups.
- Reduce medical-legal case instances by having complete, current, and accurate patient records.
- Report submission with timely and accurate data to the Authorities.

Regulatory Compliance



Financial Sustainability



- Reduce operational cost by lowering over time, eliminating some administrate etc.
- Reduce inventory days by using an inventory management system.
- Reduce claim rejections and AR days.
- Improve financial planning using Business Intelligence tools to optimize cost and reduce pilferages.
- Reduce costs of negative quality such as readmissions, infection rate and medico-legal cases.

- Patient portal is a self-service tool that gives patients complete control over their health, data and reports. Patients can access test results, self-care information, schedule appointments, or even communicate with clinical teams. Optimize healthcare cost through effective resource planning and avoiding unnecessary tests.
- Better availability of information to care providers ensures collaborative and safe care.
- Improve patient outcomes through collaborative care.
- Improved patient-physician relationship fosters trust and confidence.

Patient Satisfaction



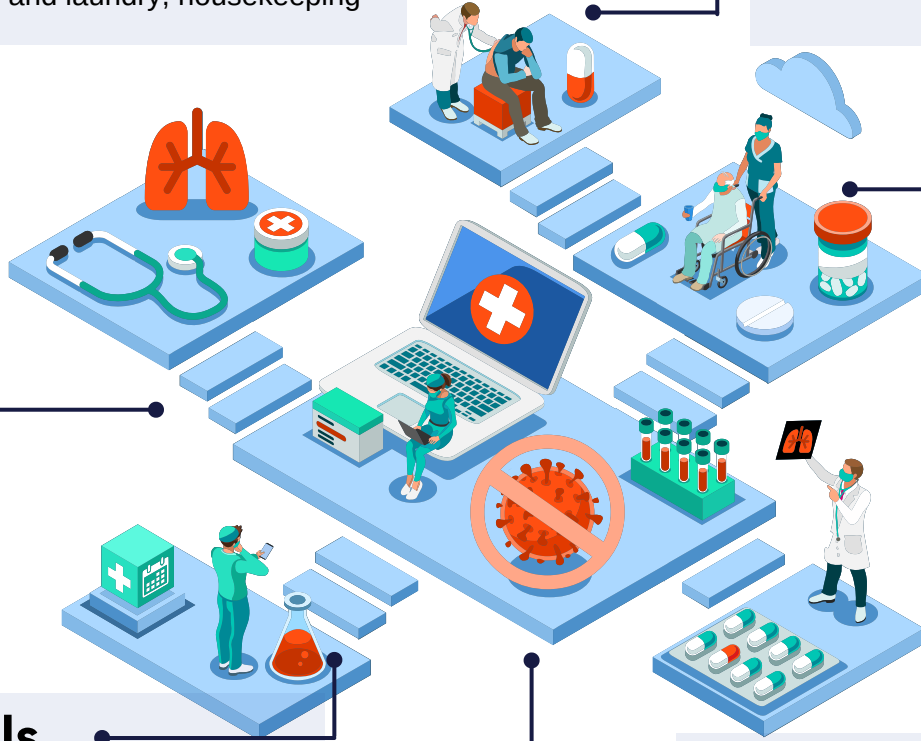
An Integral Solution for Hospital Information System

Administrative

- Registration and scheduling
- Admission, Discharge, Transfer (ADT)
- Medical records
- User access rights and control
- Support services
 - Ambulance management
 - Diet and kitchen
 - CSSD
 - Linen and laundry, housekeeping

Clinical

- Doctor workbench
- Nursing station
- OP triage
- Emergency management
- Operation theatre
- Laboratory
- Radiology
- Blood Bank
- Pharmacy prescription handling
- AI and chatbot



Materials

- Purchase
- Inventory management
- Pharmacy inventory
- Material kits mapping
- Biomedical asset management
- Predictive analysis

Revenue

- OP visit management
- Contract management
- Account receivables
- Configurable OP and IP billing
- Doctor's accounting
- Business Intelligence/Analytics

Incorporating usability in software design



Consistent UI



Easy Navigation



Meaningful Icons



Clear Error Messages



Reduce Number of Clicks



Intuitive Interface



High Usability & User Experience

Napier AI Inside®

in Revolutionizing Healthcare Operation

Today leading hospitals use AI for providing insights to decision-makers. Whilst AI can never substitute human beings in decision making, they serve as valuable tools that provide data-driven insights to the line managers.

Covid-19 pandemic has accelerated AI adoption in the healthcare industry. Doctors are embracing the potential of AI in making their job more effective and dramatically shorten the triage cycle. AI solutions can help accelerate the detection of health conditions with higher precision. Conditions such as Pneumonia, Atelectasis, Cardiomegaly and many more can be screened in short periods of time.

Contact us today to find out more about how your business can get smarter with AI.



*Napier AI Inside® supports IOS and Android platforms.



Artificial Intelligence use cases:

- Napier Assistant for nurse productivity
- IEMR - voice driven input for doctors
- Pneumonia detection
- Patient length of stay predictor
- And many more...



A smart voice-controlled chatbot that empowers Nursing staff to focus on providing better patient engagement and improved care. Using Voice commands to access and update patient information improves productivity up to 25%.



Interactive EMR (iEMR) is a productivity booster - Napier's pioneering technology that combines speech recognition with artificial intelligence. Enables clinical staff to use natural conversations to auto-fill EMR and medical records.

Other Napier Products:



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SCAN TO WEB



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