

National Health Registry

The National Health Registry (NHR) is a pioneering initiative by a government-backed leading healthcare organization in one of the Southeast Asia countries, aimed at enhancing public health monitoring and management.

It conducts a detailed citizen health survey using a set of around 160+ questions, calculates health risks, initiates health check programs, maintains a database of doctors, recommends the nearest doctor for treatment, generates management reports, integrates with the organization's internal HIS application, and fetches health records from the government EHR system.



Challenges

There is lack of a sophisticated system to gather, analyze, and present healthcare information of country's citizens. Key issues were:

- Comprehensive data collection from citizens.
- Reliable health risk calculation.
- Timely healthcare access.
- Seamless data integration with HIS and EHR.
- Actionable management reporting.



Solution

Sidhyati designed a sophisticated application to address key needs:

- **Detailed Health Survey:** Developed 160+ questions with business logic to capture comprehensive health information.
- **Advanced Risk Assessment:** Analyzed survey responses to calculate individual health risks.
- **Doctor Database & Recommendations:** Created an extensive doctor database; recommended nearest qualified doctors.
- **System Integration:** Integrated with internal HIS and retrieved health records from the government EHR system.
- **Management Reports:** Generated detailed reports for strategic decision-making.



Impact

- **Enhanced Monitoring:** Improved public health monitoring and risk assessment.
- **Healthcare Access:** Timely interventions by recommending nearby doctors.
- **Data-Driven Decisions:** Detailed reports for strategic management decisions.
- **Efficient Integration:** Seamless HIS and EHR integration, enriching data.
- **Proactive Campaigns:** Initiated nation-wide preventive care and early treatment programs.