



Teleprimary Care and Oral Health Clinical Information System (TPC-OHCIS)

Primary health care service provides the first point of care for the population to seek medical assistance. TPC-OHCIS (Teleprimary Care and Oral Health Clinical Information System) is an Electronic Medical Record system for the daily operations and real time data management for the primary health care at the Ministry of Health facilities in Malaysia.

Overview

TPC-OHCIS is a holistic clinical information system for health and dental outpatient treatments. It is a system developed in partnership between the Malaysian Ministry of Health (MOH) and MIMOS. The system supports the National Digital Health Reform initiative to improve population health, reduce burden of disease and to have a resilient and sustainable health system.

Features

TPC-OHCIS comprises modules for the following features:

Primary Health Care

The application modules cover clinical disciplines involving outpatient care and specialist care such as family medicine, obstetrics & gynaecology, paediatrics, dermatology and epidemiology.

Oral Health

The application modules cover primary dental care and specialist dental care periodontics, orthodontics and paediatrics.

Patient Management

Patient registration, patient visit, patient demographic and household accounts.

Prescription

Hierarchical multi-level drug prescription approval, per facility drug configuration and integration, MIMS (Monthly Index of Medical Specialities) integration.

Orderable Item

Lab test, imaging, procedure orders, specimen barcode label printing, remote order management.

Outreach and Self-Monitoring

Outreach modules for school and community programs; and self-monitoring modules for patients to enter the self-monitored health data online for doctors to review.

Administration

Billing, Reports, Queue Management and System Administration.

Technology Benefits

The main impacts of TPC-OHCIS are:

Integrated System for Health and Dental Clinics

Sharing of records, health information and treatment enable continuous delivery of health services across disciplines.

Cloud-Based System with Offline Mode Support

Care provided at the clinics are accessible from any location that has the TPC-OHCIS system. Offline mode enables continuous operation when the WAN is not available and eliminates redundancy in keying back the manual data to the system.

Integration with External Systems

Integrated from the data centre to eGL, MIMS, MyHDW, SIMKA and eNotifikasi; and at the clinics to the Pharmacy Information System, Lab Information System, and Computed Radiography System.

Compliant to Standard Protocols

CDA, HL7 and DICOM-compliant.

Technology Summary

TPC-OHCIS

A holistic clinical information system for health and dental outpatient treatments.

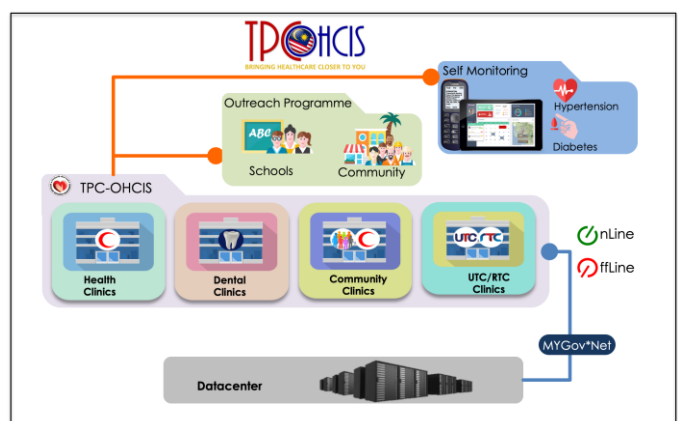
Industries: Government, Healthcare

Features

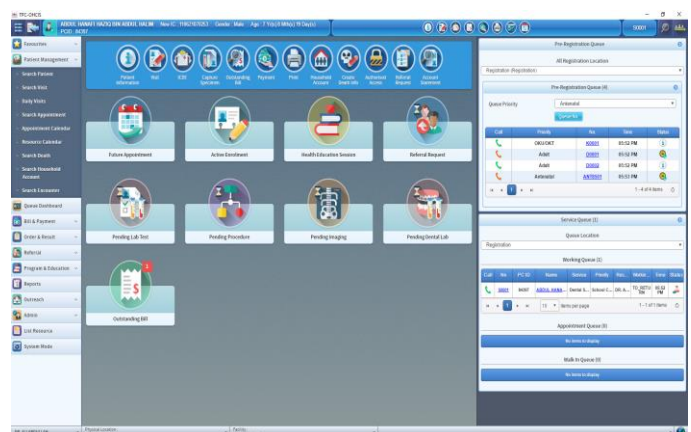
- Primary Health Care
- Oral Health
- Patient Management
- Prescription
- Orderable Item
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- Administration

Technology Benefits

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- Cloud-based system with offline mode support
- Integration with external systems
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TPC-OHCIS architecture



TPC-OHCIS user interface