

MasterCare^{mms}

The screenshot displays the MasterCare web application interface. At the top, it says "Welcome to MasterCare - Microsoft Internet Explorer" and "MasterCare". The user is identified as "User: Hugh Leslie" and the patient as "Patient: Hugh Leslie". The date and time are "Aug 27th 20:02". Below this, there are navigation buttons: "back", "log-off", "search", and "list". The main content area shows "Unsent Discharge Summaries for ward AI-SH (most recent versions)". A table lists patient records with columns for Name, Date, Status, and Discharge Type. Visible entries include MIPS, BRAEDON; WALLACE, SAMUEL DAVID; PATIENT, JOHN TEST; and PATIENT, JOHN TEST. A detailed view of a patient record is also visible, showing admission weight, final diagnosis, discharge medications, and discharge instructions.

MasterCare Benefits

- MasterCare makes patient information easily accessible to authorised staff.
- Facilitates, via improvements, accreditation & research activities.
- Provides secure web access capabilities for information access and transfer.
- Encourages collaborative patient information exchange.
- Enhances security of patient information.

PATIENT DATA REPOSITORY

Collates patient data from multiple sources within a single repository.

Patient safety is about working together, Global Health's MasterCare medication management system will give **your** clinicians the *tools to work together.*

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MasterCare Medication Management System

MasterCare is a new generation, web-based application, designed to provide clinical services to the point of care throughout the modern large health enterprise. It offers clinicians a range of outstanding clinical tools and provides a strategic platform for the migration to full clinical solutions and an Electronic Medical Record System (EMRS).

MasterCare is the tactical solution for hospitals wishing to gain additional value from their plethora of existing information systems in a low bandwidth, low maintenance, low cost and highly reliable 24x7 application architecture.

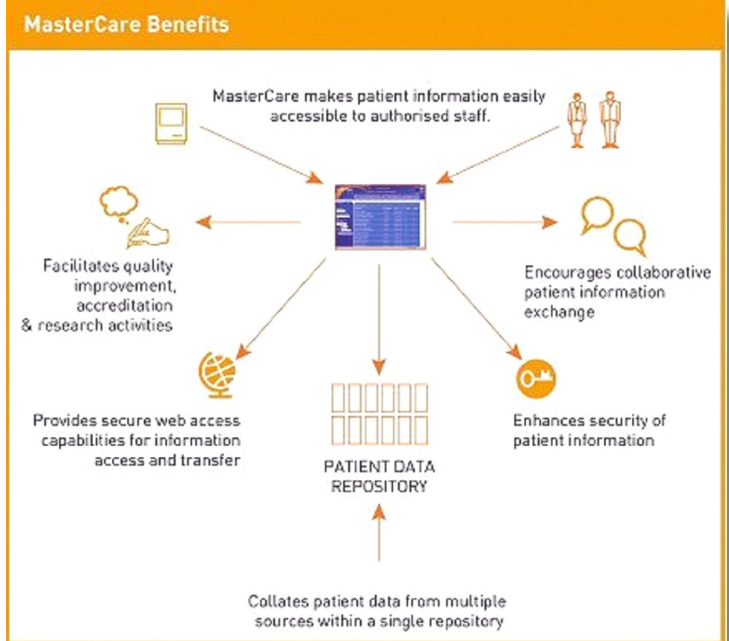
One of MasterCare's exciting new modules is the Medication Management designed to improve all parts of the medication cycle within hospitals making medication use safer and improving patient care. The Medication Management System can help to make sure that the five Rs of prescribing are met in every case:

- ✓ Right medication,
- ✓ to Right patient,
- ✓ in Right dose,
- ✓ at the Right time,
- ✓ via the Right route.

The MasterCare Medication Management System (MMS) is a user friendly, function rich, web-based application. MMS sits over the top of core hospital systems and brings together data from disparate sources giving prescribers access to all available information while making crucial decisions. It incorporates the following components:

Prescribing System

The MasterCare MMS incorporates a full prescribing system that is tailored to complex hospital requirements. It allows selection from the hospital formulary of medications to create a patient medication list with flexible options for different dosing schedules and instructions.



Key Features

- Integrated electronic records and e-prescribing
- Addresses in-patient, discharge and outpatient prescribing
- Integrated drug reference and formulary tools
- Allow hospitals to build and use own formularies
- Checks against allergies/intolerances
- Identifies and prompts for the use of generics
- Determine dose & institution defined frequency schedules
- Generate prescription & update medication charts
- Generate user definable patient medications forms and reports
- Modular – start with PBS prescribing and then roll out decision support capabilities
- Integrated decision support
- Pharmacy Supervision
- Secure access
- Full e-messaging capability - Connectivity and Integration.
- Internet enabled and Web deployable
- Simple to use
- Integrated to Global Health's Electronic Discharge Referrals for notification of discharge medications
- Centralised management
- Scalable from single site to large multi site enterprise

Attractive Browser-based User Interface

Capacity to search for individuals or groups across multiple settings

Details of discharge referrals available for each patient

On line tutorial and help facility

Secure log in brings up User Name

Search brings up relevant patient list

Specimen Date	Diagnostic Service	Ordering Doctor	Status	Dept. Code	Ack
08/03/01 14:34	Actinomyces Cul	EMERGENCY-RWH	Incomplete	Microbiology	
08/03/01 14:34	Genital Swab	EMERGENCY-RWH	Incomplete	Microbiology	
08/03/01 14:34	Tests Performed	EMERGENCY-RWH	Incomplete	Microbiology	✓
08/03/01 12:30	Genital Swab	RECURRENT MISCARRIAGE CLINIC	Incomplete	Microbiology	✓
08/03/01 12:30	Tests Performed	RECURRENT MISCARRIAGE CLINIC	Incomplete	Microbiology	✓
08/03/01 09:20	Urine M & C	RECURRENT MISCARRIAGE CLINIC	Incomplete	Microbiology	
08/03/01 09:20	Faeces M & C	RECURRENT MISCARRIAGE CLINIC	Incomplete	Microbiology	
07/03/01 20:45	Virus Tissue Cu	RECURRENT MISCARRIAGE CLINIC	Incomplete	Viral Culture	
07/03/01 20:00	Serum Alpha Fet	EMERGENCY-RWH	Incomplete	Biochemistry	
07/03/01 20:00	Carcinoembryoni	EMERGENCY-RWH	Incomplete	Biochemistry	
07/03/01 20:00	Chemistry	EMERGENCY-RWH	Complete	Biochemistry	
07/03/01 20:00	Ca 125 By Acc:1	EMERGENCY-RWH	Complete	Biochemistry	

Prescribing System (continued).

All types of medication from oral, intravenous and regular to 'as-needed' or 'nurse initiated' drugs can be accommodated. Multiple levels of

anytime they view a drug list, ensuring that they have all the data they need, whenever they need it.

PBS Prescribing

The MasterCare Medication System is modular so that it can be implemented in easy to digest steps starting from a single Pharmaceutical Benefit Scheme (PBS) prescribing component. The PBS prescribing component allows a health organisation to save dollars and improve patient safety by printing prescriptions for patients on discharge, or for outpatients, and recording current medication lists. Later on the Health organisation can move to internal prescribing by clinicians

Drug: Paracetamol Dymadon, Dymadon P; Tablet; 500mg

Medication Start Date: 04-Jul-2003

Dosage: 2

Route: Orally

Frequency: Three Daily

Time Of Day: 08:00 AM, 02:00 PM, 08:00 PM

Duration: Continuing PRN

Instructions: Take after meals

Name	Form	Strength	PBS	Start Date	Instructions	dosage	Route	Remove	Edit
Paracetamol	Tablet	500mg		04 Jul 2003	Take 2 Tablets, Three Times Daily, Orally. Take after meals	2	Orally	Remove	Edit

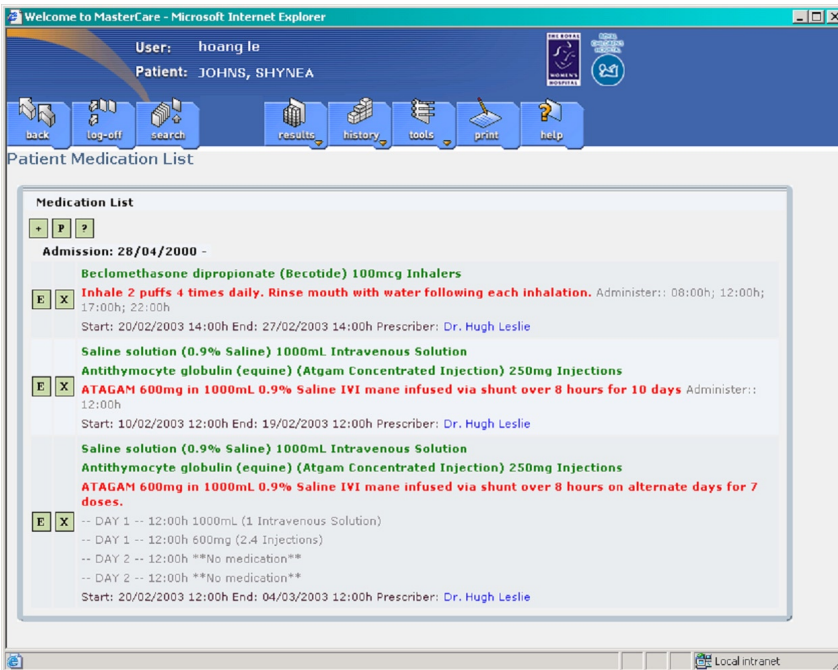
prescribing authority allow hospital pharmacies to limit certain drugs to certain prescriber groups or require authorisation. All changes to the medication lists are fully audited.

with decision support and then administration of medications. All the while clinicians can be informed with up to date medication information from reliable sources.

A full range of charts and lists can be printed including PBS prescriptions. Clinicians can view full drug information at the time of prescribing or

Decision Support Engine

The MasterCare MMS incorporates a full rules based decision support engine so that as clinicians prescribe, they can be



reminded about important issues such as drug interactions, possible dosing errors and particular patient problems such as abnormal test results relevant to prescribing a certain drug. MasterCare's ability to link to multiple hospital information systems makes this kind of decision support possible. The rules engine is completely configurable by the administrators of the system.

Pharmacy Supervision

The MasterCare MMS allows hospital pharmacies to keep better track of new medications as they are prescribed and allows supervision of all patient medication lists from anywhere within the hospital (rather than having to physically visit wards to review drug charts).

Administration System

The MasterCare MMS also incorporates an administration system for nursing staff involved in administering prescribed drugs to patients.

The administration system advises what drugs are due when and accurately records that a drug was given or the reason that it was not. All activity is audited so accurate medication audit trails can be followed. Decision support rules work here and are just as important at the point of administration as at the point of prescribing.

Additional Features include:

In-built e-switch transaction broker.

MasterCare MMS incorporates Global Health's messaging and integration engine, which provides the built-in and seamless ability to generate and receive clinical and patient demographic transactions using industry standard messaging such as HL7 or XML. e-switch provides the capability to link MasterCare MMS to other hospital systems, external pharmacy systems and Mediconnect.

Built in ad-hoc reporting for Standards based

Business Intelligence tools. Beyond the multitude of standard management reports included with MasterCare MMS, users can easily interrogate the MasterCare database using ODBC compliant report writers such as COGNOS and Crystal Reports for informed decision-making. MasterCare reporting is also fully accessible with industry standard desktop products such as Microsoft Excel and Word.

Integrated drug reference and formulary tools.

Allows importing of data from commercial databases such as MIMS and Australian Medicines Handbook. A drug database

organised generically containing the drugs marketed in Australia including.

- standard dose range
- drug interaction
- ability to indicate what drugs are on hospital formulary
- independent product information (AMH)
- PBS & RPBS authority to prescribe, availability and price information
- Consumer medicines information
- Tools to allow hospitals pharmacies to add investigational drug and localize

The business functions interface is intuitive. Built around the workflow of professionals and their operational roles and settings, administrative users and clinicians only deal with features that relate to their duties.

Access anywhere, anytime. MasterCare MMS is implemented as an Internet application accessible in full via a browser across a LAN, WAN or the Internet. Clinical users are able to manage their patients' medications from anywhere a web browser is available including handheld and radio-networked devices. Allows clinician to work at the point of care.

Complete Graphical User Interface (GUI).

MasterCare's browser based graphical interface is attractive and easy to use and provides a single means of viewing all electronically held patient information. The interface reduces training time and makes it easy for users to quickly learn how to produce accurate medication lists and administer medication.

Secure access. Incorporates logon and password security access with a complete systems administration module to allocate user ID, access privileges and user log. Swipe card and biometric security can be incorporated if required.

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- The Company



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Global Health, a Working

Systems company, is setting the standard for advanced health information solutions in Australia.

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With products spanning clinical and administrative systems for health care organisations, practitioners and consumers, Global Health has the capability in delivering advanced cost-effective information solutions – helping providers to deliver better care, more efficiently. Over 300 public and private healthcare delivery settings around Australia and Asia already trust the solutions from Global Health.

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