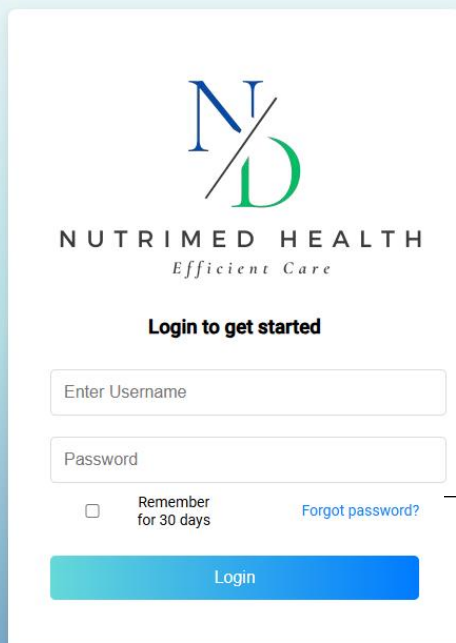## Record and Manage Patient Medication and Diet Regimes

NutriMed allows practitioners/administrators to record and view patient medication and diet rounds at aged-care facilities. Medications and diets are populated according to date and time (morning, afternoon, evening) frames, and users have the ability to view and update records, prescribe and order medications, etc. NutriMed allows practitioners to complete all these tasks with its user-friendly design and easy to use software, ensuring that all resident information is kept safe and secure. NutriMed improves efficiency with reduced paper-work and fast data entry and update methods.
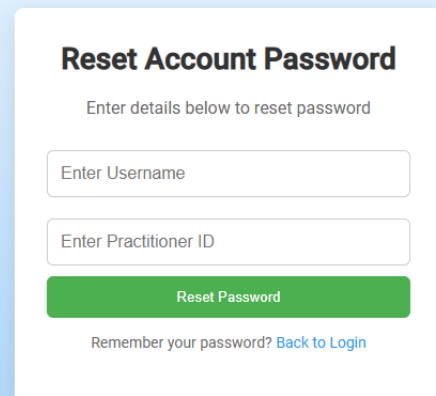
Login Dashboard

Security: All webpages/tabs on NutriMed have been secured by the integration of cookie parameters, which forms a 'user_id' upon login. Once the username and password are submitted, it is validated against the database to ensure login and form a user_id, from which practitioners can successfully access NutriMed Software.

Forgot Password: Clicking the 'Forgot password?' on the login page will redirect users to a form to reset their account password. The form requires input of username and Practitioner ID; if valid, users will receive an email to reset password. (Note: For the project, users will not receive an email as their emails do not exist, but this page does validate their username and ID to produce an output message "Password reset Email sent" if details are correct.)
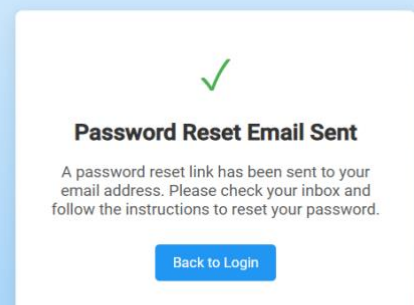

Reset Account Password page (click 'forgot password' to initiate)

NutriMed Login-page

Successful password reset form submission

Dashboard Interface

Successful login directs users to the dashboard page. The dashboard contains information about (i) NutriMed facility and services (ii) Amenities and Map (iii) Links to Professional development resources (iv) Contact details and (v) Navigation tabs to webpages.

Welcome
michael.lee

Medication Rounds

Diet Regime Rounds

View Patient Records

Manage Prescriptions

Generate Reports

Create New Practitioner Account

NUTRIMED HEALTH
Efficient Care

Welcome to Nutrimed Sydney Facility
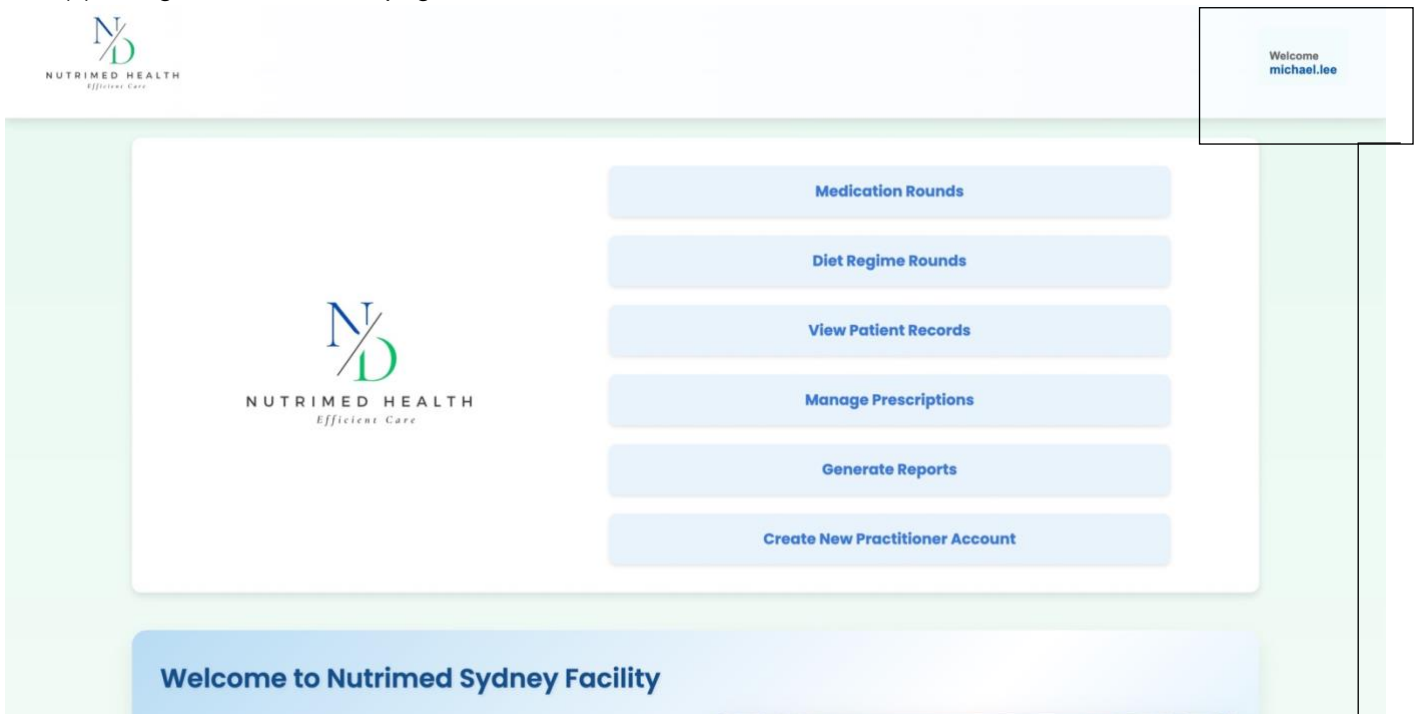
Dashboard page (focused on navigation tools)

"Welcome ..." message presented on all webpages dependent on logged in User

Dashboard Navigation Actions

Medication Rounds => View and update medications and their status

Diet Regime Round => View and update diet Regimes and their status

View Patient Reports => Search Resident by Name or Room Number and view their resident profile, diet, Medication, any notes and Add new patients.

Manage Prescriptions/Manage orders => Edit prescriptions, add new prescriptions, remove prescriptions for residents

Generate Reports => Get PDF of report summaries of Medication and diet regimes based on resident and/or prescribing practitioner

Create New Practitioner Account => Add New practitioner to NutriMed system. Only admin with current access to software can add new practitioner (no sign-up page).

NutriMed Functionality/task: Medication Rounds

Functionalities/tasks can be completed either by selecting the appropriate navigation tabs from the dashboard interface or by switching between pages using the tabs on the navigation bar

Viewing Medication Rounds
Select 'Medication Rounds' (from dashboard or by selecting 'Medication rounds' from navigation bar) => Select 'Date' by clicking on the dropdown feature => Select 'Round (Morning, afternoon, evening)' using dropdown feature => Patient Name, patient image, their medication, dosage, status will now show on the page

Updating Medication Rounds
Select 'Medication Rounds' tab => Select 'Day' => Select 'Round' => Click on the dropdown for 'Status' column for the resident's medication status you are trying to update and Select the status (Taken, refused, etc.) => Type notes in the 'Notes' section if required => Select Update Rounds => The Medication round is now updated

NutriMed Functionality/task: Diet Regime Rounds

Viewing Diet Rounds
Select 'Diet Regime Rounds' tab => Select 'Day' from the dropdown => Select 'Round' from the dropdown => The page will now automatically be updated to show patient diets for the particular day and time.

Updating Diet Rounds
Select 'Diet Regime Rounds tab' => Select 'Day' from the dropdown => Select 'Round' from the dropdown => Select the dropdown from the 'Status' column and select appropriate status => Type any notes in the 'Notes' section if required => Select Update Rounds once completed

Update Status (dropdown function)

Add Notes (dropdown function)

Select to update information

NUTRIMED HEALTH *Efficient Care*

Home   Medication Rounds   **Diet Regime Rounds**   Patient Records   Manage Orders   Generate Reports

Welcome **michael.lee**

Select Date: 29/11/2024   Select Round: Evening

Patient Name	Diet Regime	Round Time	Status	Notes
John Smith	Low Sodium Diet	evening	Select	Add notes...
Kelly Clarke	Low Glycemic Index Diet	evening	Select	Add notes...
Sarah Johnson	Gluten-Free Diet	evening	Select	Add notes...
Emily Brown	Gluten-Free Diet	evening	Select	Add notes...
James Davis	Gluten-Free Diet	evening	Select	Add notes...

Update Rounds

Diet Regime Rounds Page (same functionalities for medication Rounds)

Add new Patient function

NUTRIMED HEALTH *Efficient Care*

Home   Medication Rounds   Diet Regime Rounds   **Patient Records**

Add New Patient

Search Room

Search Resident

101 John Smith
102 Kelly Clarke
103 Sarah Johnson
104 Toby Wilson
105 Alex Park
106 Emily Brown
107 James Davis
108 Sophia Garcia
109 Liam Wilson

John Smith

Patient ID	Date of Birth	Room Numb
1	15-05-1940	101

Phone Number	Email Address
0400123456	john.smith@email.com

Notes
- Has dementia and high blood pressure. Needs regular monitorin

Medications

Medication Name	Dosage	
Lisinopril	5.00	
Donepezil	5.00	

Diet

Diet Regime	Food
Low Sodium Diet	Avoid: processed foo fresh fruits and vege products. Limit sodiu
Low Glycemic Index Diet	Avoid: sugary foods, legumes, non-starch with GI < 55. Monitor

Viewing Patient Records
Select 'Patient records' tab => Search resident by either typing resident's room number on the 'Search room' search bar OR by typing resident's name on the 'Search resident' search bar OR by directly scrolling and selecting the resident's name => Patient profile, medications & diet information will now show

Adding a New Patient to the facility
New patients can be added by filling in a form, which is located in the 'Patient Report' page.

Select 'Patient Records' tab => Select the 'Add New patient' button => Complete the form with Patient and Emergency contact details and Submit => Patient will now be added to the system

NUTRIMED HEALTH *Efficient Care*

Patient Records Page

Managing orders and Adding New Prescriptions

Orders for Prescriptions can be managed using the 'Manage orders' page on NutriMed. Past orders can be viewed and practitioners who prescribed those medications can also be viewed. Practitioners can cease medications and/or prescribe residents with additional medications based on their health status.

Delete Orders: Select 'Manage Orders' tab => Search resident by Patient name and/or Patient ID => Select the order to be deleted on the 'Select' column => Select 'Delete Selected Orders' => Selected order will be deleted.
Add new prescription: On the 'Manage orders' tab, search resident by Patient name and/or ID => Select 'Add New prescription' => Fill all fields in the form (Medication name, dosage, frequency, etc.) => Select 'Submit'

Search for resident

Form to add prescription

Delete order

Manage Orders Page

Generate PDF

Select Patient or Practitioner

Generate Reports Page

Generation of Patient and Practitioner Reports

To allow practitioners to easily obtain medications and diet regimes for residents without individually going to 'Medication Rounds' and 'Diet Regime Rounds' pages, NutriMed has integrated a 'Generate Reports' page. Summaries can be generated for each resident and they can also be generated based on practitioner and detail which medications and diets they have prescribed.

Accessing this: Select 'Generate Reports tab' => Select either 'Patient Report' or 'Practitioner Report' => Click on the dropdown and select either resident or practitioner name => Select 'Generate report' to generate PDF report or view the summary on the page

Patient Report for Alex Park

Medication Distribution

Medication	Administered By	Date	Time	Status
Calcium Carbonate	Michael Lee	2024-11-29	morning	given
Calcium Carbonate	Michael Lee	2024-11-29	afternoon	given
Calcium Carbonate	Emma Brown	2024-11-28	afternoon	given
Calcium Carbonate	Emma Brown	2024-11-27	morning	fasting
Calcium Carbonate	David Martinez	2024-11-26	afternoon	given
Calcium Carbonate	Michael Lee	2024-11-25	morning	given
Calcium Carbonate	Michael Lee	2024-11-22	morning	given

Diet Distribution

Diet	Administered By	Time	Status
High Calcium Diet	Michael Lee	morning	given
High Calcium Diet	Emma Brown	morning	given
High Calcium Diet	Michael Lee	morning	refused
High Calcium Diet	Emma Brown	afternoon	given

Sample Patient Report

Form to Add New Patient

New residents are added by submitting a form (accessed via the 'Patient Records' page). Errors in form submission (e.g. format, not filling in required fields) will be displayed upon selecting 'Submit' and the form will need to be re-filled in accordance with these requirements.

The form requires both Patient and Emergency Contact Details.

Form to add New Practitioner

Form accessed via Dashboard (only). Submission inserts new practitioner to the database and they will be able to access the software upon login.


Logout Interface

Clicking on the 'Welcome [user]' message/functionality launches a drop-down menu, where uses can select 'Logout'. Selecting Logout successfully logs the user out of the system. After selecting logout, the page is directed to a 'you have successfully logged out' message if logout is successful. As the 'Welcome [user]' message/button is on every webpage, users can logout from any webpage (dashboard, medication round, etc.).

NUTRIMED HEALTH
Efficient Care
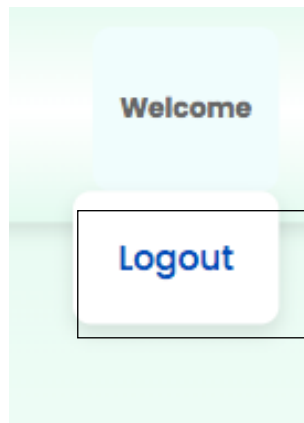
Dropdown menu after Selecting the 'Welcome [user]' functionality
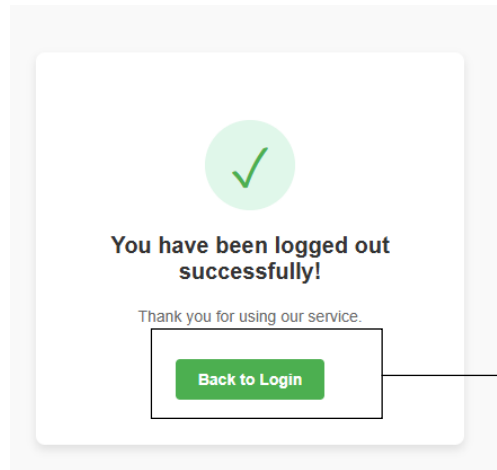
Successful logout
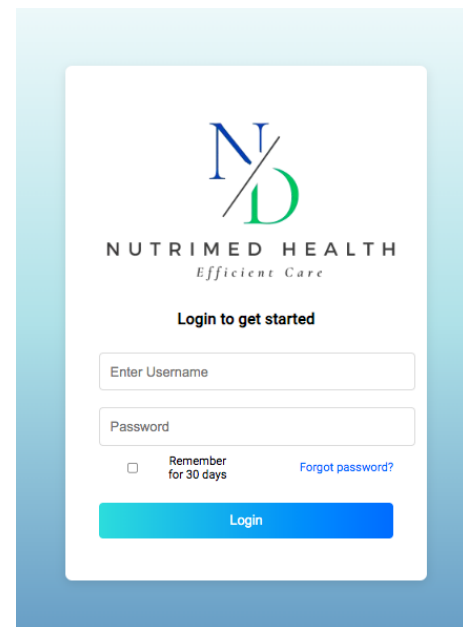
Re-direction to login

Contact Information

Contact Information for relevant departments are listed below, feel free to contact us for any questions or queries.
Thank you for choosing NutriMed Health!

CONTACT US

Reach out to the appropriate department for assistance.

Bookings
Email: bookings@nutrimedhealth.com
Phone: +61 2 3456 7890
Timings: Monday to Friday, 8:00 AM – 6:00 PM

Reception
Email: reception@nutrimedhealth.com
Phone: +61 2 1234 5678
Timings: 24/7 Availability

Pharmacy
Email: pharmacy@nutrimedhealth.com
Phone: +61 2 6543 2109
Timings: Monday to Saturday, 9:00 AM – 5:00 PM

Dietician
Email: dietician@nutrimedhealth.com
Phone: +61 2 5432 1098
Timings: Monday to Friday, 8:30 AM – 4:30 PM

IT Support
Email: itsupport@nutrimedhealth.com
Phone: +61 2 4321 0987
Timings: Monday to Friday, 9:00 AM – 6:00 PM

Security
Email: security@nutrimedhealth.com
Phone: +61 2 3210 9876
Timings: 24/7 Availability

Ward A – Head Nurse
Email: warda.nurse@nutrimedhealth.com
Phone: +61 2 9876 5432
Timings: 24/7 Availability

Ward B – Head Nurse
Email: wardb.nurse@nutrimedhealth.com
Phone: +61 2 8765 4321
Timings: 24/7 Availability

Ward C – Head Nurse
Email: wardc.nurse@nutrimedhealth.com
Phone: +61 2 7654 3210
Timings: 24/7 Availability

Need More Help?

For general inquiries, please contact us at support@nutrimedhealth.com or call our main line at +61 2 5555 5555.
Timings: Monday to Friday, 9:00 AM – 5:00 PM

Practitioner Username	Sample Patient Username + Passwords Password (hashed in database)	Practitioner id
emma.brown	password123	1
michael.lee	password123	2
sarah.wilson	password123	3
james.taylor	password123	5
lisa.anderson	password123	5
david.martinez	password123	6

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