

# **USER MANUAL**

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#### Introduction

MAX•CASE•OPTIMIZER (MCO) is an application that helps the Nursing Homes to track ailments, medications, and therapies using a simple Daily Tracking Sheet and thereby calculates a projected RUGs score. MCO further compares this projected RUGs score with the RUGs score of the last submitted assessment and notifies the user whether the projected RUGs score is higher, lower or the same as the RUGs score from the last submitted assessment.

# **Getting Started**

#### **Multi-User**

#### Users and User Management

This feature is only required for multi-user installations, where multiple users will be using MCO.

#### **Admin Utility**

🏓 MxCase	
<u>File Import Daily Tracking Sheet Reports</u>	Tools
	Admin
	Log out Admin

This module allows you to Add User Types, Users and the Rights to the application.

#### User Type Management

👷 Admin							
<u>U</u> sers <u>T</u> ools <u>Q</u> ui	it						
🔶 🧇 🍌	🗇 🖪 🖸 🛒 🗇 🤅	H 🔿	×				
User Type :-	Administrator						
U <u>s</u> er Access F	Administrator	Full	No	View	Edit	Set Default Right	ts
	Doily CMI Tracking	Access	Access	Only		Add	
	Dany Civil Tracking		-	_		-	
	Import from Submission Files	~					
	Reports						

Users Types are logical groups of users. All users who would perform similar activities can be grouped together under a single group. The rights assigned to a group, gets automatically assigned to all users under that group.

#### **User Management**

User Nar	ne Admin	í u	serType		/sAdmi	in	
Passwor Full Nam	d	Di Ni	ocumenta ame	ation		Set D	efault Rights
- Access I	Rights	Full Access	No Access	View Only	Edit	Edit + Add	
	Reports	V				Г	

This module allows you to add new users and assign rights for the modules in MCO. Each user needs to be assigned a user type, so that users performing similar tasks can be grouped under a single group.

#### Login Screen

Login	×
User Name: Admin	•
Password:	
<u>Remember User Name</u>	
<u>O</u> K <u>C</u> ancel	

On running MCO.exe, the above login screen will be displayed. Select a user name and enter a password (if applicable), to login into MCO. If another user has already logged-in with the same user name, you will not be allowed to log-in with that user name. The check box that reads 'Remember User Name', can be used if you wants MCO to remember your user name, the next time when you run MCO, so that the log-in box will not be displayed each time when you run MCO. Please note that if the user name has a password, the 'Remember User Name ' functionality will be ineffective.

#### Multi-user functionality

In multi-user mode, multiple users can work on MCO at the same time. 2 or more users can also work on the data for the same date. If 2 or more users edit the data for the same date and for the same resident(s), the changes of the user who saves last will be retained.

If one user is adding data for a date, no other user will be allowed to work on that date, till the 1<sup>st</sup> user has finished saving.

# Import from Submission Strings

🍯 M	хCase				
Eile	Import	$\underline{D}aily \mbox{ Tracking Sheet}$	Rep		
4	Import from File				
<u> </u>	Import from F <u>o</u> lder				
	Chan	ge Import Folder <u>P</u> ath			

On running MCO.exe, the first task is to import data from the submission files.

If you wish to import the data from all your submission files, select the 'Import from Folder' option. If you wish to import the data from a single submission file, select the 'Import from File' option

Import from Folder		
Carl at a from Folder	Browse for Folder Select the folder containing the Submission Files	<u>? ×</u>
	Desktop     My Documents     My Computer     J    S1/2 Floppy (A:)     Decal Disk (C:)	-
Image I	Cold Disk (0:)     Cold Disk (0:)     Cold Disk (E:)     Cold Disk (F:)     Cold Disk (F:)     Cold Disk (H:)     Cold Di	_
	ок ок	Cancel

Having selected the 'Import from Folder' option, the screen as shown in Image I will be displayed. Click the Browse button. On doing so, the screen as shown in Image II will be displayed. Here, select the folder containing the submission files and click the OK button.

You will be returned to the screen as displayed in Image I. Here, click the Import button. This will start the Import process and import all data from the submission files.

MCO User Manual

#### Import from File

🧏 Import data from File	0pen ? X
Image I	Look jn: CMICalculator Backup Reports1 Classes Utilities Vsver.scc Classes CMICalculator.vbp ExportFiles123 CMICalculator.vbw Forms Configuration.exe Forms Configuration.exe My Documents My Documents My Documents My Configuration.exe My My M
	My Computer     File name:     Impendent files (".")     Impendent files (".")       My Network P     Files of type:     All Files (".")     Impendent files (".")       Impendent II     Impendent II     Impendent II

Having selected the 'Import from File' option, the screen as shown in Image I will be displayed. Click the Browse button. On doing so, the screen as shown in Image II will be displayed. Here, select the folder containing the submission files and click the OK button.

You will be returned to the screen as displayed in Image I. Here, click the Import button. This will start the Import process and import all data from the submission files.

#### Auto Import

MCO has an Auto Import feature, wherein each day on startup, the application runs a scan process for any new submission file(s) that were created. If it finds any new submission files, it automatically imports the data from these file(s).

If the submission file(s) has any new residents, who were previously not in MCO, they will be added to MCO, so that you can start recording observations for these residents as well. If the submission file(s) contains new submission records for residents who are already in MCO, their latest record in MCO shall get overwritten with the record in the submission file.

# Daily Tracking



After having imported data from the Submission files, click the 'Daily Tracking Sheet' menu item. This will display the following screen

MxCase File Import Daily Tracking Sheet Reports



As displayed above, the left most column in the spreadsheet displays a list of residents, followed by the CMI fields, RUGs Score from last assessment, Today's (Projected) RUGs score and the ADL score.

In order to start entering data, click the Edit button on the Toolbar. This will allow you to fill data for the CMI fields by simply selecting them. Selection of each CMI field will calculate a RUGs score, as applicable.

This calculated RUGs score will

- Display in <u>Red</u> color, if it is less than the RUGs score from the last assessment
- Display in Green color, if it is greater than the RUGs score from the last assessment
- Display in Blue-green color, it is the same as the RUGs score from the last assessment

\*Please note that the projected RUGs score for the Rehabilitation group displays as **'Rehab'** and in **yellow** color. This is because MCO does not determine the individual RUGs scores for the Rehabilitation group.



\*The legend **Contractions** displays the different color codes and their significance \*The calculated RUGs score also depends upon the ADL score value.

After having filled data in the CMI fields, you can save the data by clicking the Save button on the Toolbar.



\*After having saved the data once for a day, you can continue to edit the information in the same manner. On a new day, the Daily Tracking screen will again appear as displayed in **'Daily Tracking-Image I'**, with the CMI Fields and the 'Today's RUG Score' column, completely blank, so that you can again start recording the observations for the new day.

# Search / Delete

# Search for Record

Click the 🛤 button to search by Resident Name or by CMI Date

Search by Resident Name	Search by CMI Date
📕 MxCase	MxCase
File Import Daily Tracking Sheet Reports Tools	
	Resident record for date :07/01/2005
Posident record for date :07/01/2005	z
Total Posidents : 2	S TIA
Total Residents . 5	ers Order Visi
N N N N N N N N N N N N N N N N N N N	Search Ord
Ë	Date vice and of the state
isit gen a	Weds Weds Meds Meds
	Sun Mon Tue Wed Thu Fri Sat
Resident Name 💌 🚡 📓 🖉 🖉 🦉 🖉	10 11 12 13 14 15 16
steed by the second sec	17 18 19 20 21 22 23
	31 1 2 3 4 5 6
Type the first faw letters of the resident's name	Colort a data from the calendar provided to
in the box provided to move to that resident's	move to the record for that CMI date. If no
in the box provided to move to that residents	nove to the record for that data, the application will
record in the spreadsheet	diaplay a magazar bay acking you whather you
	display a message box asking you whether you
	wish to add records for that date.

#### **Delete Resident**



# **Detailed CMI Observations**



This spreadsheet displays the records for all days for the selected resident. The green color indicates the record with the highest RUGs score.

# **Resident CMI Details**



This screen displays the records for all dates for the selected resident. The graph indicates the rise or fall in the RUGs score value over the days of observation.

RUGs TABLE		
CMI Field	RUG Group	Description
New Therapy Orders	Rehabilitation	
New Restorative Orders/TIAN		Nursing Rehabilitation
Physician Visit	Clinically Complex	Physician visit/order changes occurring within the 14 day observation period; 1 or more visits and 4 or more order changes, or 2 or more visits and 2 or more order changes
Physician Order	Clinically Complex	Physician visit/order changes occurring within the 14 day observation period; 1 or more visits and 4 or more order changes, or 2 or more visits and 2 or more order changes
Emergency Room Visit	Extensive Services	Emergency Room Visit
IV Fluids	Extensive Services	In the past 7 days required Intravenous feeding
IV Meds	Extensive Services	In the past 14 days received Intravenous medications
Transfusion	Clinically Complex	Transfusion
Suction	Extensive Services	In the past 14 days required Suctioning
Tracheostomy Care	Extensive Services	In the past 14 days received Tracheostomy care
New Tube Feed	Special Care	Tube Feed and Fever in last 7 days
Surgical Wounds	Special Care	Surgical Wounds in last 7 days
Pressure Ulcers	Special Care	Pressure Ulcers in last 7 days
Burns	Clinically Complex	Burns in last 7 days
Foot Lesions	Clinically Complex	Foot Lesions in last 7 days
Fever	Special Care	Fever and Vomiting, Weight Loss, Dehydration, Pneumonia or Tube Feedings in last 7 days
Vomiting	Special Care	Vomiting and Fever in last 7 days
Weight Loss	Special Care	Weight Loss and Fever in last 7 days
Dehydration	Clinically Complex	Dehydration and Fever in last 7 days
Pneumonia	Clinically Complex	Pneumonia and Fever in last 7 days
Septicemia	Clinically Complex	Septicemia in last 7 days
Internal Bleeding	Clinically Complex	Internal Bleeding in last 7 days
Daily Insulin Injections	Clinically Complex	
Oxygen	Clinically Complex	Oxygen therapy in the past 14 days
Medication Nebulizer Treatments	Special Care	Respiratory therapy in last 7 days
Dialysis	Clinically Complex	Dialysis in last 14 days
Radiation	Special Care	Radiation in last 14 days
Chemotherapy	Clinically Complex	Chemotherapy in last 14 days
Change in Behavior/ADL's	Behavior Problems	4 or more days a week exhibited behaviors including wandering, physical or verbal abuse, inappropriate behavior, resisting care, hallucinations or delusions
DX/SIGNS OF DEPRESSION		Signs of Depression

Reports
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Report Name/Description	Image	
Resident-wise RUGs	CMI Resident wise RUG Score Demo Nursina Home	
Inis report displays Resident-wise change in RUGs	Current as of 6/10/2005	
status (Improvement, No Change, Decline), over a	Date RUG Score Status	
period of dates on which the observations were	ADA DORTCH RUG Score imported from submission string CB2	
recorded. The record with the best RUGs score over the days of observation for a resident is	06/11/2005 CB2 No change in RUGS 06/11/2005 CB1 Decline in RUGS	
highlighted	ALBERTA JOHNSON RUG Score imported from submission string IB1	
	06/11/2005 SE2 Improvement in RUGs	
	ALBERTA PARKER RUG Score imported from submission string (A1	
	06/11/2005 IA1 No Change in RUGs	
	ALLEN P BORDER RUG Score imported from submission string RIAA	
	06/11/2005 RMA No Change in RUGs 06/11/2005 RMA No Change in RUGs	
Status-wise Resident RUGs	CMI Status wise Resident Details	
This report displays Status-wise (Improvement,	Demo Nursing Home	
No Change, Decline) list of residents and their	Current as or 6/10/2005	
RUGs scores	06/10/2005	-
	Improvement in RUGs	
	ALBERTA JOHNSON SE1 ANNA EATON SE1	
	No Change in RUGs	
	ADA DORTCH CB2 ALBERTA PARKER IA1	
	ALLEN P BORDER RMA ALTHALIA BRAY IB2	
	AUDREY ROBINSON RMB BARBARA MERRITT PD1	
	BEATRICE THOMPSON PD1 BENJAMIN JOHNSON IB1	
	BERT HERD IA1 BESSIE RICHARDSON SSC	
	BETTY A OLDWINE SE2 BETTY J TIPTON PE1	
	BRENDA BROWN C62	
Date wise Status	Datewise CMI Status	
This report displays a count of residents for the	Demo Nursing Home	
individual RUGs Status (Improvement, No	Current as of 6/10/2005	_
Change, Decline) for each observation date	Date Improvement in RUG Score NoChange in RUG Score Decline in RUG Score	
	06/11/2005 3 100 3	_
	06/10/2005 2 102 2	_
Facility CMI		
This report displays a date-wise count of residents	Facility CMI Scores	
in each of the RUG groups and highlights the day	Current as of 6/10/2005	
with the best combination of counts	Date Physical Behavior Cognitive Clinically Special Extensive Rehabilitation	_
		_
	06/10/2005 29 0 14 21 14 12 16	
	<b>06/10/2005</b> 29 0 14 21 14 12 16	_
	06/10/2005         23         0         14         21         14         12         16           06/11/2005         28         0         14         22         15         12         15	_
	06/10/2005         29         0         14         21         14         12         16           06/11/2005         28         0         14         22         15         12         15           06/11/2005         28         0         14         21         16         12         15	-
	06/10/2005         29         0         14         21         14         12         16           06/11/2005         28         0         14         22         15         12         15           06/12/2005         28         0         14         21         16         12         15	-

# Backup

The MCO database shall be backed-up each day through an Automatic process. A zip file, namely 'MxCaseBackup.zip' is created and stored on both the Server and individual client machines in the following locations

#### Backup Folder location

On Server	In the application path, within the MxCase folder
On all Client Machines	In the Windows (Winnt)\System(32)\MxCase
	folder

\*The same copy of the 'MxCaseBackup.zip' file is overwritten each day, so that on any given day, this zip file contains the latest copy of the database.