

iCAHE Outcomes Calculator Neurological Version *Software Guide*

***Monitoring patient status over time using
common pain and musculoskeletal outcome
measures***

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Note: This manual is to be used in conjunction with the *iCAHE Outcomes Calculator User Manual*.



Table of Contents

1 Installing the Software..... 1

2 Installation Patch..... 1

3 Running the Outcomes Calculator..... 2

4 Using the Quick Start Menu 2

5 Performing Tasks..... 3

5.1 Create a New Episode of Care 3

 5.1.1 *Overview* 3

 5.1.2 *General Controls* 3

 5.1.3 *Step 1 – Initiating an Episode of Care* 3

 5.1.4 *Step 2 – Enter Patient & Funding Details*..... 4

 5.1.5 *Step 3 – Configure Outcome Measures* 7

5.2 Add a New Patient 9

5.3 Looking Up Patient Data 9

5.4 Manage an Episode of Care 9

 5.4.1 *Overview* 9

 5.4.2 *Open an Episode of Care for Management* 9

 5.4.3 *The Episode Management Screen*..... 11

 5.4.4 *View an Outcome Measure Progress Chart / Add an Outcome Measure Assessment to an Episode of Care* 12

 5.4.5 *Selecting a Default Therapist*..... 15

6 Import/Export Data..... 17

6.1 Export Data for Sharing 17

 6.1.1 *Query the Data* 17

 6.1.2 *Query Using Multiple Criteria* 21

6.2 Export the Data to Excel 21

7 Outcome Measure Screens 22

7.1 The Nottingham Sensory Assessment 22

7.2 Tardieu Scale..... 25

7.3 Modified Ashworth Scale..... 27

7.4 Functional Reach Test..... 28

7.5 Step Test 29

7.6 Berg Balance Scale 29

7.7 Clinical Test of Sensory Interaction and Balance..... 30

7.8 Activities Specific Balance Confidence Scale 30

7.9 Functional Independence Measure & Functional Assessment Measure 31

7.10 Functional Oral Intake Scale 32

7.11	Frenchay Activities Index.....	32
7.12	Goal Attainment Scale.....	32
7.13	London Handicap Scale.....	34
7.14	Chedoke Arm and Hand Activity Inventory.....	34
7.15	Nine-hole Peg Test.....	34
7.16	Action Research Arm Test.....	34
7.17	Six-minute Walk Test.....	34
7.18	High Level Mobility Assessment Tool.....	34
7.19	Motor Assessment Scale.....	35
7.20	Mobility Scale for Acute Stroke Patients.....	35
7.21	Reintegration into Normal Living Index.....	35
7.22	Community Integration Measure.....	35
7.23	United Parkinson’s Disease Rating Scale.....	35
7.24	Supervision Rating Scale.....	35
7.25	Resumption of Activities of Daily Living Scale.....	35
7.26	Tampa Scale of Kinesiophobia.....	35
7.27	Centre for Epidemiologic Studies-Depression Scale.....	35
7.28	Kessler Physiological Distress Scale.....	35
7.29	Assessment of Quality of Life.....	35

1. Installing the Software

On the CD there will be the following four directories:

- Chronic Disease
- Incontinence
- Musculoskeletal
- Neurological
- Patch

To install the Neurological Outcomes Calculator, open the Neurological directory by double clicking on it. Run the following file by double clicking on it:

Neurological Install.exe

Follow the simple instructions. The program will install the software on your computer. Once the software is completely installed, an icon should appear on your desktop called “Neurological Outcomes Calculator”. Double click this icon to run the software.

2. Installation Patch

If the program opens and the following message appears (Figure 1), the patch must be installed. Open the directory called “Patch” on your CD and run the file called “idapi32.exe”. It will open a small program. Don’t change any of the settings. Just press the “Unzip” button. Then close this program. Now you can open any of the calculators again by double clicking on the icon on your desktop.

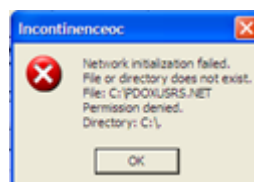


Figure 1 Installation PDOXUSRS.NET Error

3. Running the Outcomes Calculator

The Outcomes Calculator installation will install a shortcut in the Start Menu to allow you to start the software. For instance, if the default shortcut settings were accepted then the software may be run by navigating to:

Start Menu > Programs > Neurological Outcomes Calculator

Select this shortcut, and the calculator will start.

There will also be an icon (Figure 2) on the computer's desktop. Double clicking this icon will also open the software.

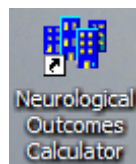


Figure 2 Neurological Outcomes Calculator Icon

4. Using the Quick Start Menu

When the software opens, the Quick Start window (Figure 3) is shown. This provides a way of quickly opening or creating an Episode of Care (EoC). Simply select what you want to do and press **OK** and the appropriate screen will open. If you don't want to open or create an EoC, press the **Cancel** button. This window will not be displayed again while the software is running.

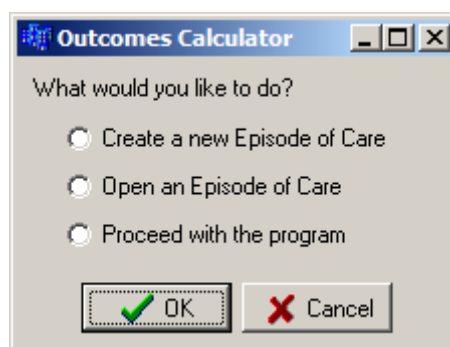


Figure 3 Quick Start Menu

5. Performing Tasks

5.1 Create a New Episode of Care

5.1.1 Overview

An episode of care is made up by the occasions of service provided to a patient from their first presentation until they no longer require treatment. The process of creating a new episode of care requires several stages. Firstly, information is gathered about the patient whom the episode of care concerns. Secondly, information is gathered about the episode itself. Finally, outcome measures are chosen to keep track of the episode's progress over time.

5.1.2 General Controls

On each screen in the process of creating a new episode of care a set of common controls is present:

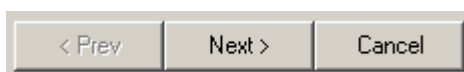


Figure 4 EoC Navigation Buttons

The controls consist of four buttons labelled **Prev** (Previous), **Next** and **Cancel**. These controls are located at the bottom of each screen. In the example above, the **Prev** button is not available because there is no previous screen to return to.

Select **Next** after completing a screen in order to move onto the next screen in the process. A dialog box will pop up if required details have not been filled in. Select **Prev** to return to the previous stage in the process to make changes and alterations to previously entered data. Select **Cancel** at any point to cease the process of creating a new episode of care, and return to the main Outcome Calculator screen.

Once all the general EoC data is captured, the EoC will be created and assessments can be made.

5.1.3 Step 1 – Initiating an Episode of Care

Initiate a new EoC by following these commands on the menu bar.

Episode > New

This is shown in Figure 5.

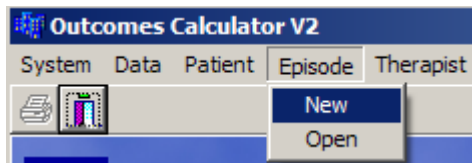


Figure 5 Initiate a New Episode of Care

5.1.4 Step 2 – Enter Patient & Funding Details

Specify a Patient

The episode of care may be created for a new patient or for a patient already known to the Outcomes Calculator. To enter a new patient's details press the **New** button in the Create a New Episode of Care screen (see Figure 6) and specify the name, date of birth and gender using the provided fields. Alternatively press the **Select** button to choose a patient whose details are already recorded in the Outcomes Calculator.

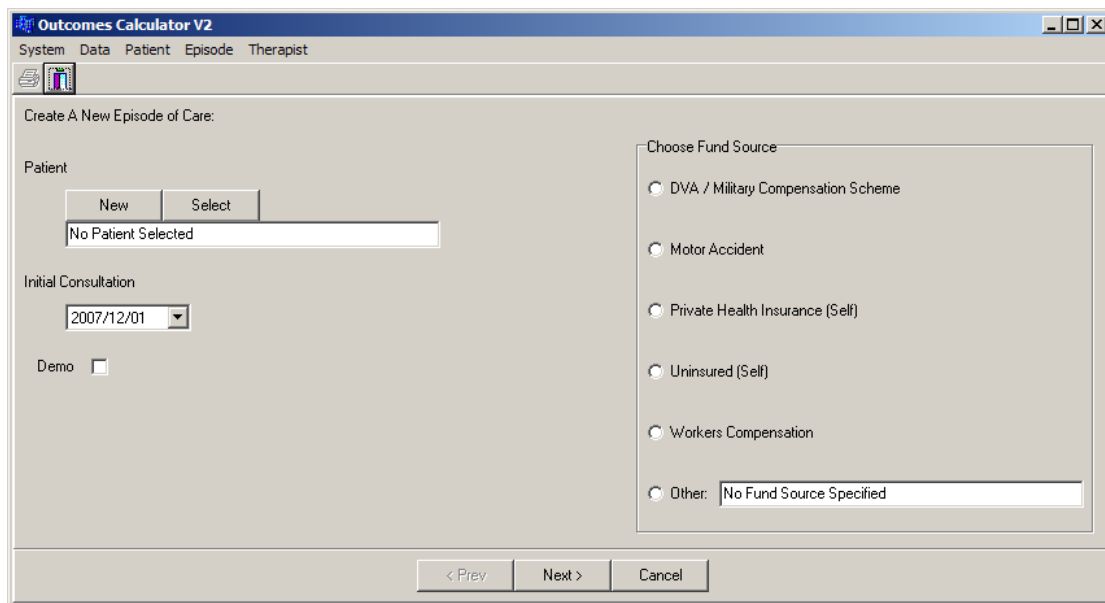


Figure 6 Patient & Funding Details Screen

Selecting a Patient

If the **Select** button was pressed, the Patient Information screen will appear (Figure 7). There are two ways of finding a patient.

The first method is to browse the database using the Navigation Buttons. The leftmost button opens the first record in the database. In Figure 7, the button is inactive (grey), because the first record is displayed. The second button from the left moves one record at a time back. Again, in Figure 7 this button is inactive because the first record is displayed. The third button from the left moves one record at a time forward. The button on the right moves to the last record in the database.

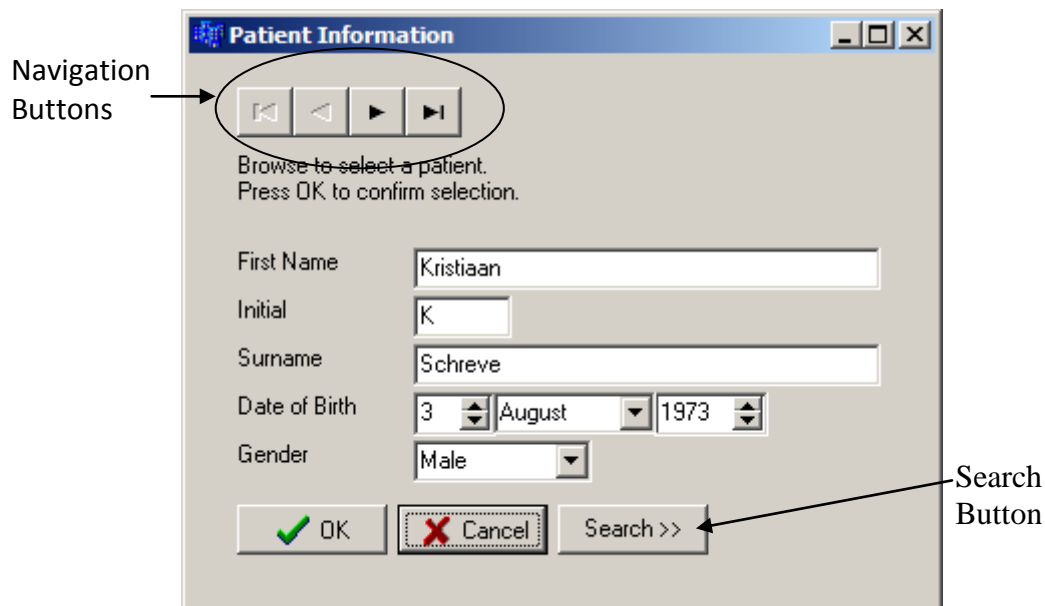
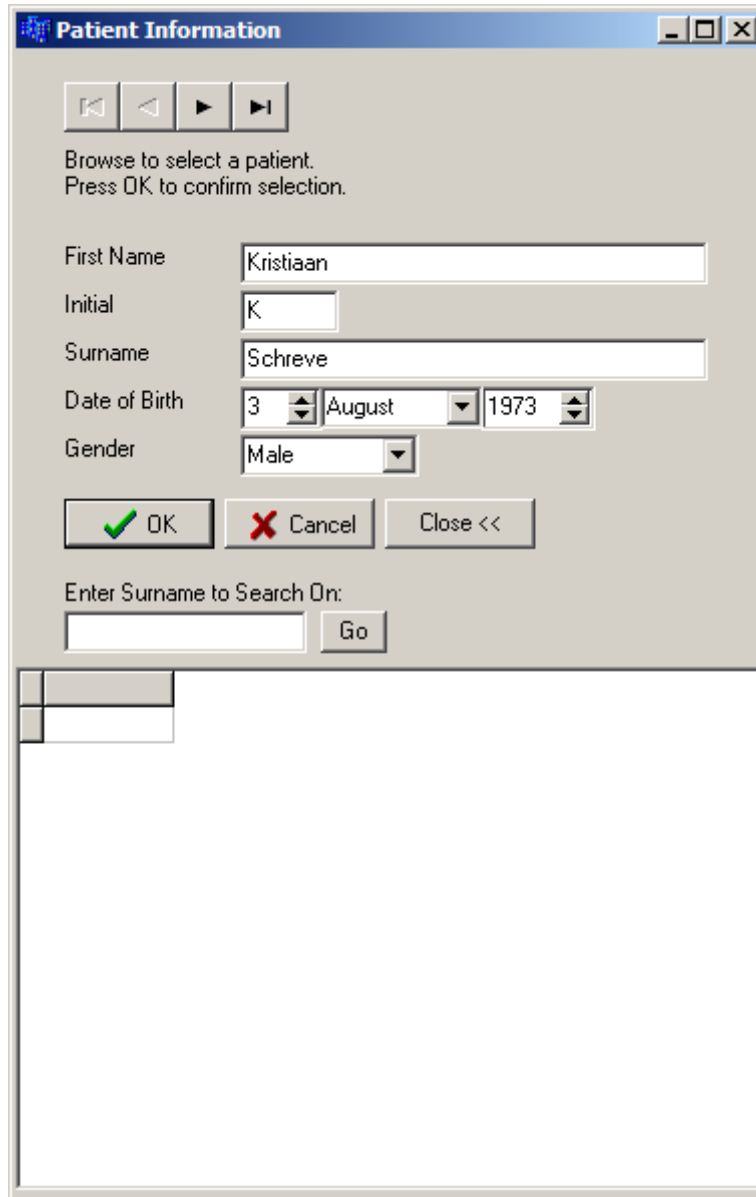


Figure 7 Patient Information Screen

This method can be time consuming. A faster way of finding a patient is to press the **Search** button. The Patient Information screen will change appearance and look as shown in Figure 8. Notice that the name of the **Search** button has changed to **Close**. Pressing the **Close** button will change the screen back to its original appearance.



Patient Information

Browse to select a patient.
Press OK to confirm selection.

First Name:
 Initial:
 Surname:
 Date of Birth:
 Gender:

Enter Surname to Search On:

Figure 8 Patient Information Screen with Search Function

Type the surname of the patient you are looking for in the box labelled **Enter Surname to Search On:**. Now press the **Go** button. All the patients with this surname will be shown in the list at the bottom of the screen. Click on the patient you are looking for. The selected patient’s details will be displayed in the top part of the screen.

Once you have selected a patient, press the OK button. This will return you to the Patient & Funding Details screen (Figure 6).

Specify an Initial Consultation Date

The date specified marks the beginning of the episode. Press the down arrow of the box labelled **Initial Consultation**. A calendar will appear (Figure 9). The calendar will open at the current date. If you want to specify another date in the same month, simply click on the date. Select another month by clicking on the left and right arrows at the top of the calendar. The selected date will appear in the edit box.

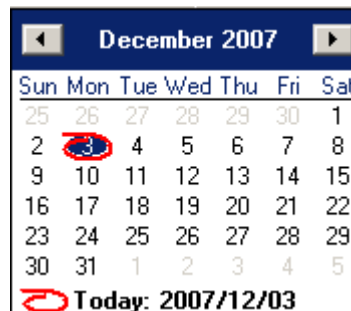


Figure 9 Calendar

Select a Funding Source

The source of funds that the patient will use to cover the episode of care is specified using the provided form. Only one fund source may be specified in the **Choose Fund Source** box. If standard options do not suitably describe the fund source then select the **Other** option and enter a brief description in the text field provided below it.

Creating a Demo Episode of Care

This option will not be available in all versions of the calculator. A demo EoC is used in class demonstrations, etc. Simply check the **Demo** box.

Continue

If all patient and funding details have been entered then click **Next** to continue to the next step.

5.1.5 Step 3 – Configure Outcome Measures

After completing the previous step, a new screen (Figure 10) will open.

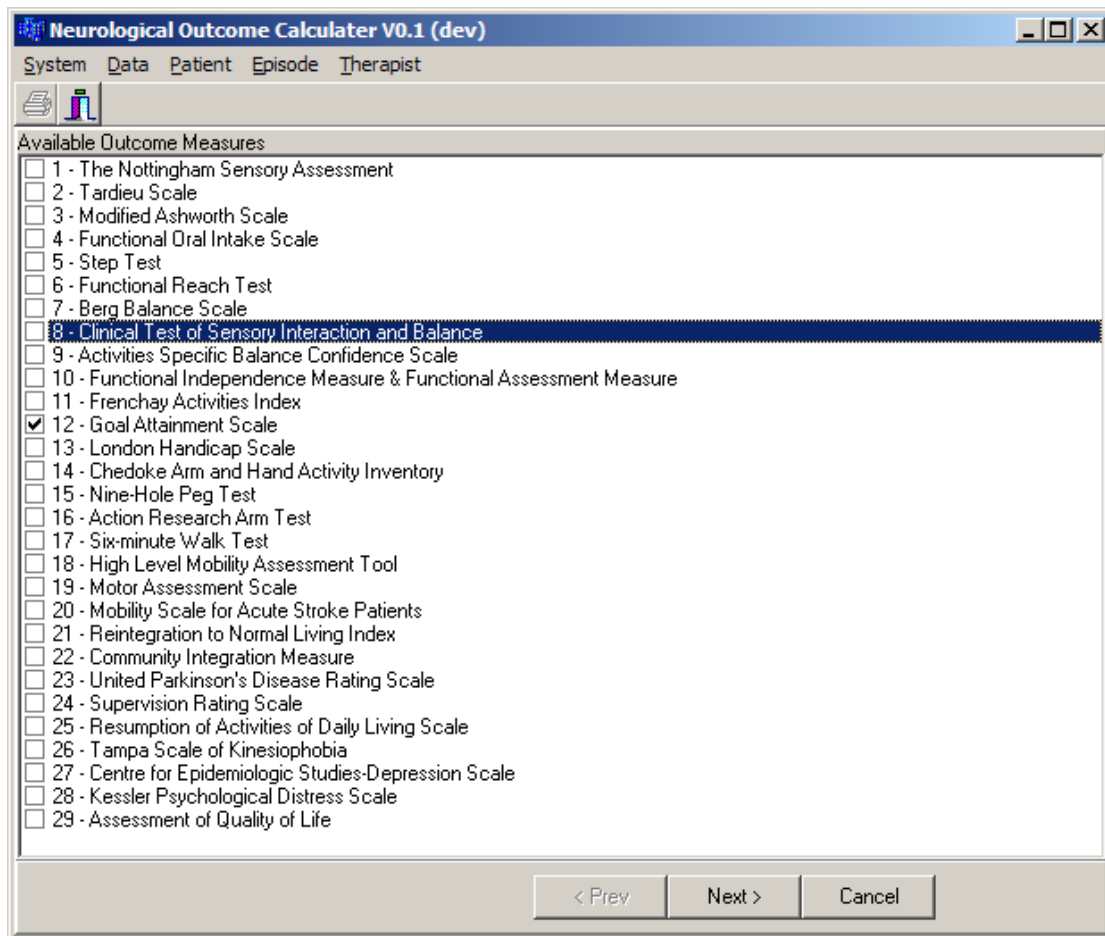


Figure 10 Selecting Outcome Measures Screen

Select Appropriate Outcome Measures

The available outcome measures are presented for selection. A minimum of one measure must be selected. To select a measure and use it in the created episode, click on the box to the left of the outcome measure. In Figure 10 only the Goal Attainment Scale is selected. To remove a measure once you have selected it, simply click on the checkbox again to remove the checkmark.

Continue

If all desired measures have been selected then click **Next** to create the episode. The episode details will be saved and the episode will automatically be opened for management. Note that once **Next** is pressed, the data will immediately be saved to the database and cannot be changed again. If the data was entered incorrectly, a new EoC must be created with the correct data. This is to ensure the integrity of the data.

5.2 Add a New Patient

Adding a new patient to the Outcome Calculator is done during the creation of their first episode of care (See Section 5.1 Create a New Episode of Care). Their details are recorded as part of the creation process. When the episode of care is created, these details are used to create a new patient record. Subsequent episodes of care may then be added for the patient without re-entering patient details.

New patient data can also be added at any time by using the following these commands on the top menu bar.

Patient > New

Independent of the method that you decide to add a new patient, the Patient Information Screen (Figure 7) will be displayed. Note that all the navigation buttons will be inactive and the boxes (except the **Date of Birth**) will be empty. Enter the correct patient data in all the fields. Note that in the **Gender** field, only a selection must be made by pressing on the down arrow on the right of the box. Do not type anything in the **Gender** box.

Make sure that all the data is correct. Once it is saved in the database, it cannot be changed again. This is to ensure the integrity of the data. Now press **OK** to save the data. Pressing **Cancel** will close the window without saving the data.

5.3 Looking Up Patient Data

The details of any patient can be checked at any time by following these commands on the top menu bar:

Patient > Browse

The Patient Information Screen (Figure 7) will be displayed. Patients can be found as explained in Section 5.1.4 Step 2 – Enter Patient & Funding Details.

5.4 Manage an Episode of Care

5.4.1 Overview

Managing an episode of care allows viewing summary information that describes the episode, adding new assessments to the episode, and viewing a chart of the progress of a patient's progress over time.

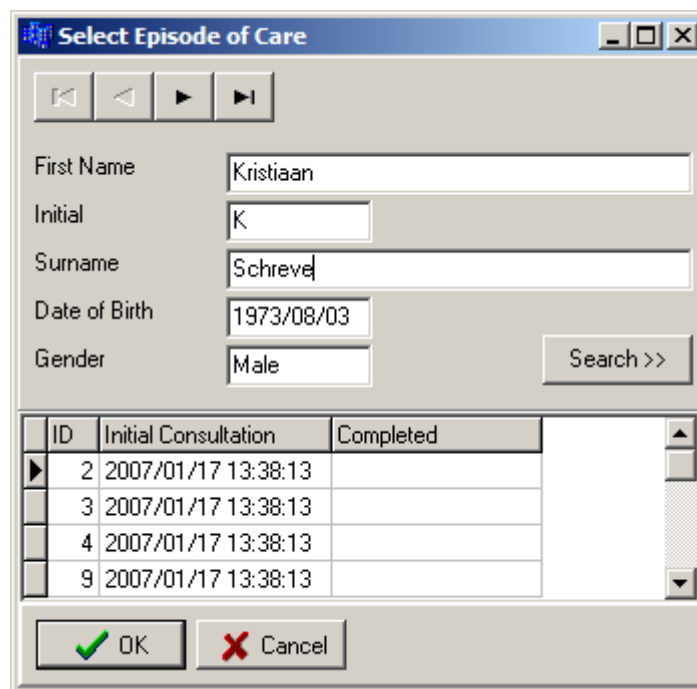
5.4.2 Open an Episode of Care for Management

To open a created episode of care, follow these commands on the menu bar:

Episode > Open

The **Select Episode of Care** screen will be shown (Figure 11). The patient data of all the patients in the database are accessible. Browse to the correct patient using the Navigation Buttons on the top of the screen. As you browse, note that all the episodes of care for the selected patient is displayed in the list on the bottom of the screen. Each EoC is represented with a date range in the list box (**Initial Consultation** and **Completed**). If the EoC is still open, there will be no date in the **Completed** column.

To open an episode of care for a patient first select a patient from the patient list and then select an episode from the available episodes of care for that patient. Click **OK** to open the episode for management, or **Cancel** at any point to close the dialog without opening an episode.



ID	Initial Consultation	Completed
2	2007/01/17 13:38:13	
3	2007/01/17 13:38:13	
4	2007/01/17 13:38:13	
9	2007/01/17 13:38:13	

Figure 11 Select Episode of Care Screen

A faster way of finding a patient is using the **Search** button. Pressing it will extend the screen with additional controls to find a patient (Figure 12). Note that the name of the button changed to **Close**. Pressing the button again will close the extra search functions. Type the patient's surname in the **Enter Surname to Search On:** box. Then press the **Go** button. This will display all the patients in the database with that surname in the list below the **Go** button. You can now select a patient from this list and his/her details will be shown in the fields on the left of the screen.

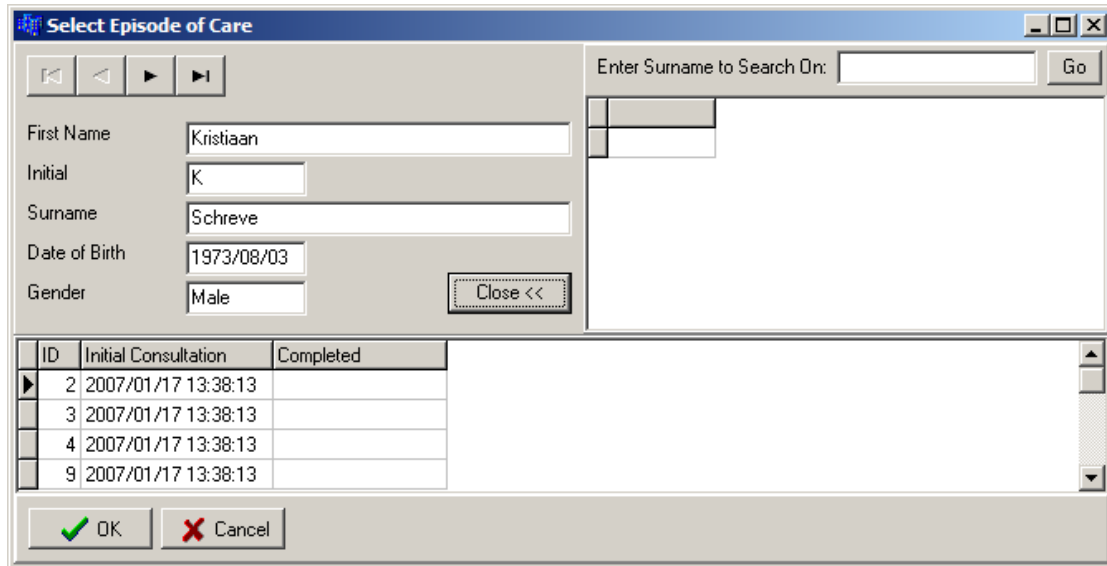


Figure 12 Search for a Patient on the Select Episode of Care Screen

5.4.3 The Episode Management Screen

The Episode Management screen (Figure 13) will be the first screen to open when an episode is loaded.

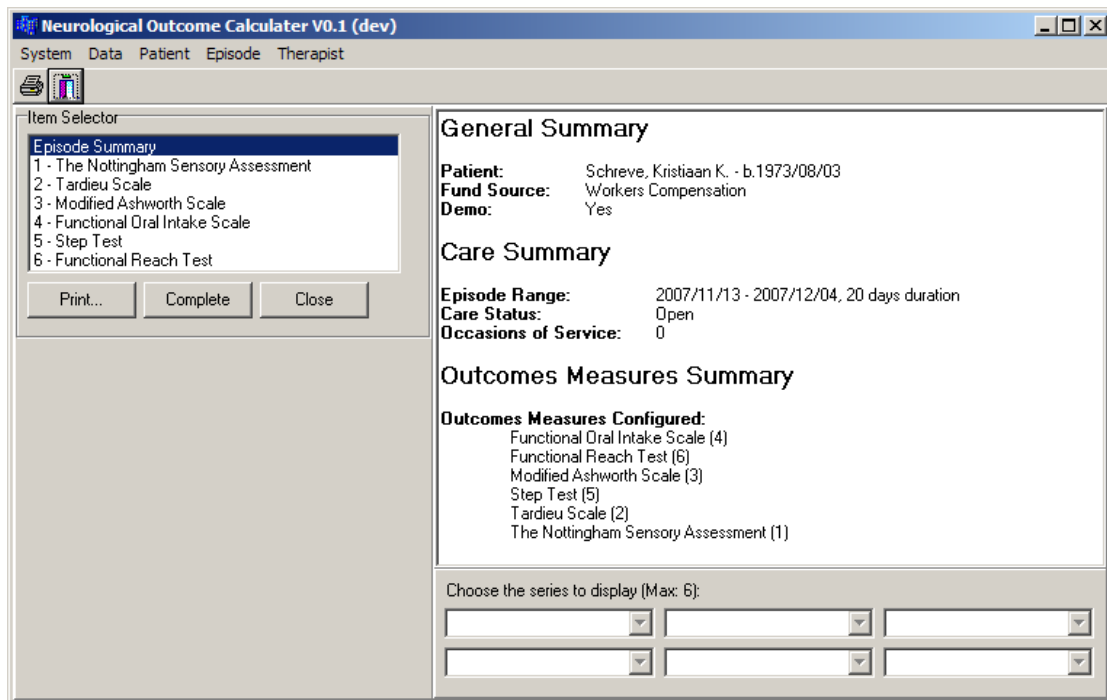


Figure 13 Episode Management Screen

Work Area (Top Right Hand Pane)

The work area displays information of the currently selected item in the **Item Selector** (left hand pane). In Figure 13 the Episode Summary is currently selected. In the work area general information on the episode is displayed.

Chart Control Area (Bottom Right Hand Pane)

For charts with multiple data series, this area is used to control which series will be displayed in the work area. Note that there are six identical boxes to select the series. These can only be used once an outcome measure has been selected in the **Item Selector**. There are six, because the maximum number of series that can be displayed simultaneously on the graph is six.

Control Area (Left Hand Pane)

The **Item Selector** contains an item called *Episode Summary*, always the first item. Below that all the outcome measures selected for this episode is displayed. When the *Episode Summary* is selected, the Episode Management Screen will look as displayed in Figure 13.

The **Print** button will print whatever is displayed in the work area, in this case the *Episode Summary*.

Pressing the **Complete** button will change the episode status of 'open' to complete. This indicates that no further assessments will be conducted for it. Assessments cannot be added to a completed episode.

To complete an episode of care first open an episode of care and then click the **Complete** button in the control area. A confirm dialog will be presented to double check that the episode should indeed be closed – click **Yes** to perform the action, or **No** to return to the management screen without completing the episode.

When a user clicks **Complete** the episode will remain managed. It may be closed and managed again at a later time, but it will no longer be possible to add assessments to it. An episode should be completed only when there will be no more assessments relating to that episode of care in the future.

Note that once an episode's status is changed to closed (using the **Complete**) button, it cannot be changed back again.

Pressing the **Close** button will close the episode for management without changing the status of the episode. Therefore, when the episode is again opened for management, it will be possible to add new assessment data.

5.4.4 View an Outcome Measure Progress Chart / Add an Outcome Measure Assessment to an Episode of Care

Assessments of an outcome measure may be added to an episode of care to record a patient's progress throughout the episode. To add an assessment, first open an episode of care for management. When the episode is being managed use the **Item Selector** drop down to select the outcome measure that will be assessed.

Note that the management screen's appearance has now changed. An **Assessment** and **Data Series** panel are added to the *Control Area*. The *Progress Chart* for the selected outcome measure is displayed in the *Work Area*.

Progress Chart

The work area will be updated to show the current progress chart (Figure 14) for the selected outcome measure. If assessments are recorded then the date range of the assessments will be shown and each data series that is available for assessments of that pairing will be plotted on the chart. Each data point represents a data score for that series of the assessed outcome measure at the date/time that it was assessed.

Notice that where applicable, the vertical axis displays the range of minimum to maximum scores. This is done for all scales that have such a range. Otherwise the axis range is the range between the maximum and minimum recorded scores.

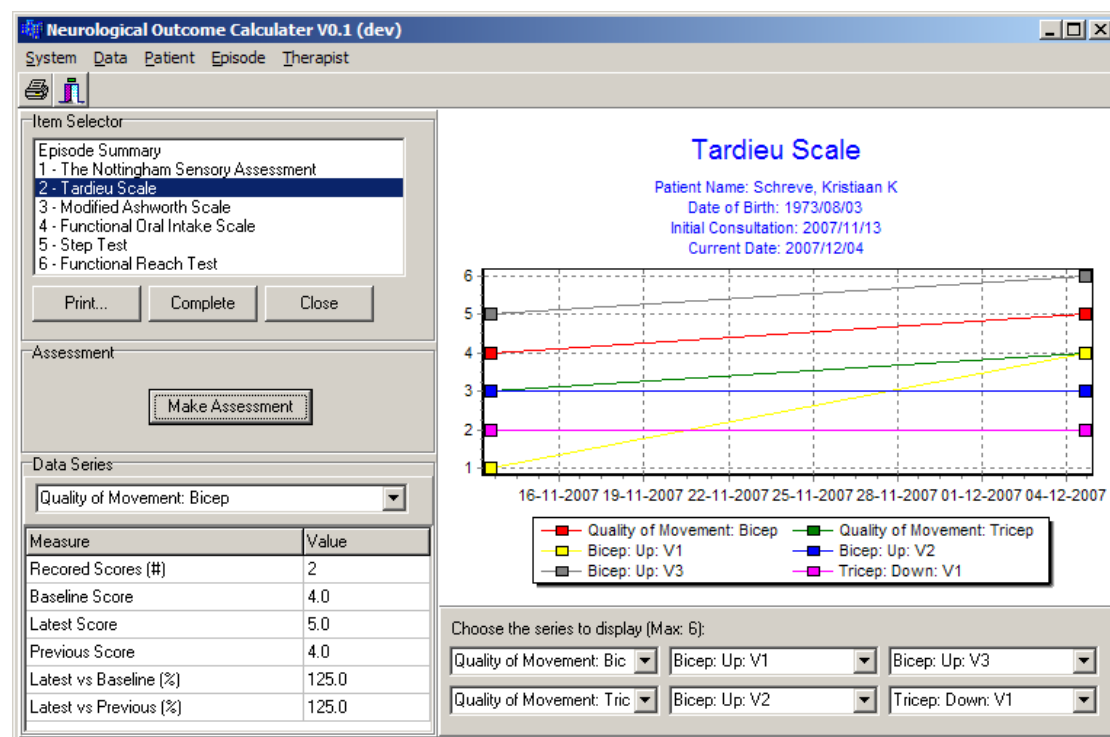


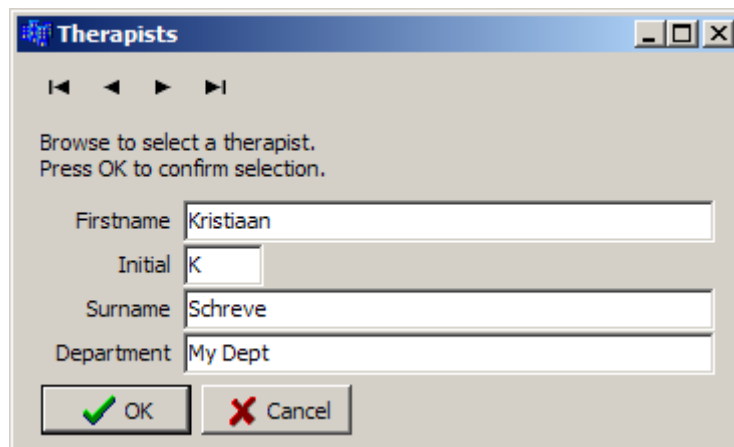
Figure 14 Episode Management Screen with Progress Chart

Adding an Assessment

To add an assessment for the selected outcome measure:

1. Click the **Make Assessment** button.
2. The Therapists screen (Figure 15) will be displayed to select the therapist who did the assessment, if the *Always Use Default* therapist option is off (see section 5.4.5 Selecting a Default Therapist). Use the navigation buttons at the top of the screen to make the selection.

3. If the *Demo* option is available in your version of the calculator, and the episode was created as a *Demo*, the next screen will ask you to set the assessment date and time (Figure 16). Specify the date and time. The current date and time will be selected by default. When you press **OK**, the selected date and time will be used as the assessment date and time.
4. Next, the questionnaire will be displayed. This screen will depend on the selected outcome measure (see section 7 Outcome Measure Screens).



Therapists

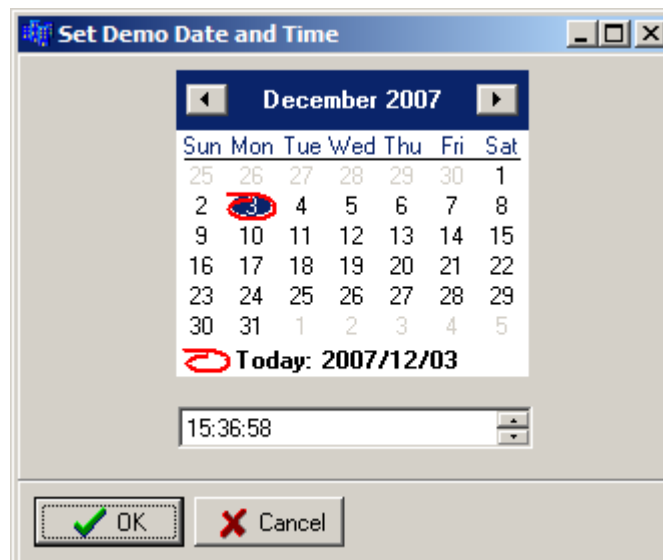
Navigation: << < > >>

Browse to select a therapist.
Press OK to confirm selection.

Firstname: Kristiaan
Initial: K
Surname: Schreve
Department: My Dept

Buttons:

Figure 15 Therapist Selection Screen



Set Demo Date and Time

Calendar: December 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Today: 2007/12/03

Time: 15:36:58

Buttons:

Figure 16 Set Assessment Date and Time Screen – Available only on version that allow demo episodes of care

Note that, unless the episode is a *Demo* (only available in some versions of the software), the current date and time are automatically used as the assessment date and time.

Data Series Analyses Metrics

The control area will automatically display a set of basic data series analyses metrics for any progress chart that contains at least one data series with at least one data point. This is shown in the **Data Series** area. If there is more than one data series on the displayed chart then the drop down box may be used to select which data series is analysed.

Each metric describes a characteristic of the data series that is being analysed. The following metrics will be displayed for a data series (when applicable):

Recorded Scores (#)	The raw number of data points in the series.
Baseline Score	The raw baseline (initial) score.
Latest Score	The raw latest score.
Previous Score	The raw second-latest score. Only available when 2 or more assessments have been made.
Latest Vs Baseline	The raw latest score compared to the raw baseline score, expressed as a percentage. If the baseline score was zero, the value will be <i>Inf</i> .
Latest Vs Previous	The raw second-latest score compared to the raw baseline score, expressed as a percentage. Only available when 2 or more assessments have been made. If the baseline score was zero, the value will be <i>Inf</i> .

Selecting Data Series to Display

As shown in Figure 14 some outcome measures have more than one data series. The names of the data series are shown as a legend on the graph. They are also displayed in the boxes in the *Chart Control Area*. The user can select which series must be displayed.

You can also choose not to display a specific series. Simply change the selection of the appropriate drop down box in the *Chart Control Area* to a series that you actually want to display, i.e. the name of the series you want to display now replaces the one you don't want to display. Notice that the number of series on the graph has reduced by one.

5.4.5 Selecting a Default Therapist

It can be annoying to enter the therapist name every time if the software is only used by one therapist. The Default Therapist option allows the user to set the name of the default therapist. Use the following commands from the menu bar:

Therapist > Set Default

The Therapist Selection screen (Figure 15) will be displayed. Navigate to the desired therapist and press **OK** to make the selection the Default Therapist.



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Next, make sure that the **Always Use Default** option is checked (there is a small check mark next to the option). Use the following commands from the menu bar:

Therapist > Always Use Default

If there is no check mark next to it, click on the option. Repeat the above menu commands without clicking on **Always Use Default**. Notice that there is now a check mark next to the command.

If the **Always Use Default** option is selected, step 2 for creating a new assessment will be skipped, because the Therapists screen will not open. The Default Therapist will automatically be selected from the database.

These options can be changed at any time.

6. Import/Export Data

All the data entered in the software is saved automatically. Sometimes it may be necessary to extract data from the database. This can be done using the import and export functions.

6.1 Export Data for Sharing

Data can be extracted from the database and saved in a file format that can again be imported by another user. This function will be used if you want to share some data with another user. The data will be saved in a special file that can be shared with anybody using the same version of the Outcomes Calculator.

Use the following menu commands:

Data > Export > Data

The Develop Query screen (Figure 17) will be displayed.

6.1.1 Query the Data

This screen (Figure 17) consists of four sections that can be used to refine the data. Any combination of the four sections, or none, or all four, can be used in the query.

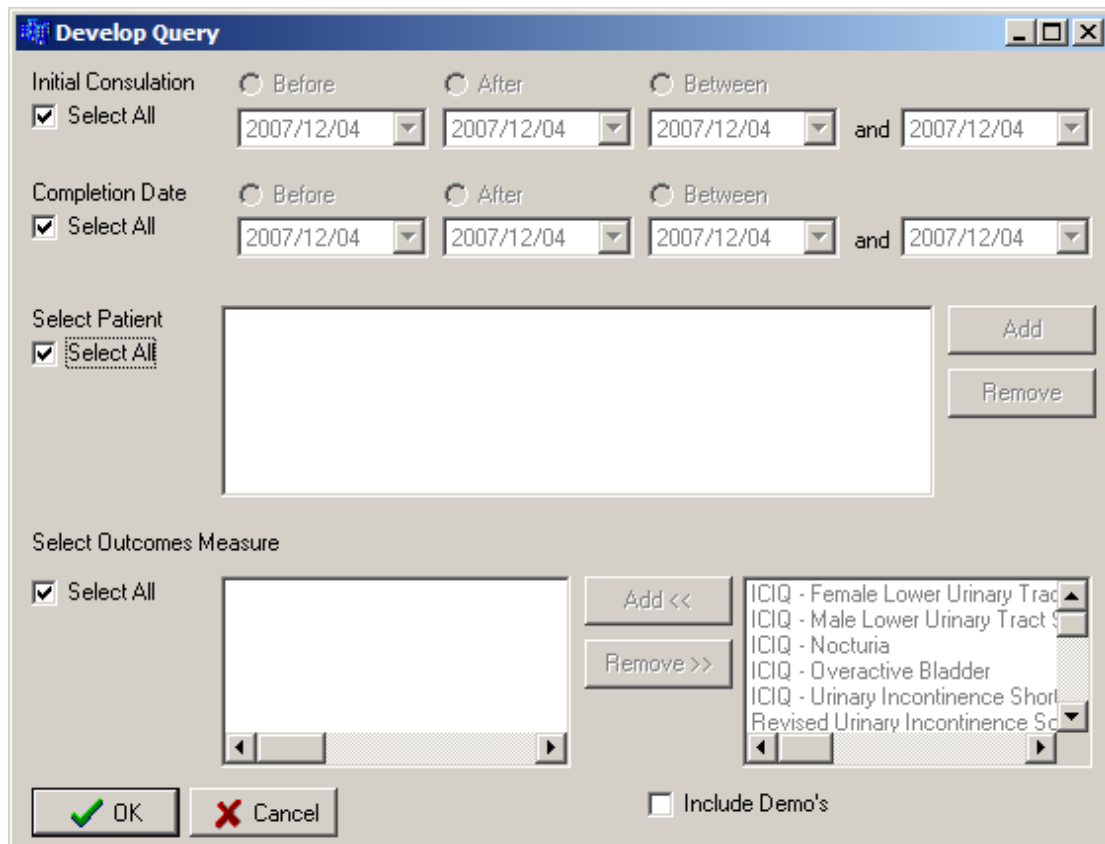


Figure 17 Develop Query Screen

Initial Consultation

The initial consultation date can be specified. The **Select All** option must first be unchecked to activate the search options. Just click on **Select All** and notice that the options to the right become active. There are three options:

Before Episodes of care which started before or on the date specified in the **Before** box will be selected. Select the date using the drop down calendar (see Figure 9).

After Episodes of care which started after or on the date specified in the **After** box will be selected. Select the date using the drop down calendar (see Figure 9).

Between Episodes of care which started after or on the date specified in the first box (below **Between**) and before or on the date specified in the last box will be selected. Select the date using the drop down calendar (see Figure 9).

Note that only one of the date options can be used. Notice that if the **Select All** option is checked, all the dates will be used in the query.

Completion Date

The date on which the episode was completed (i.e. status changed to “closed”) can be selected. The **Select All** option must first be unchecked to activate the search options. Just click on **Select All** and notice that the options to the right become active. There are three options:

Before Episodes of care which were completed before or on the date specified in the **Before** box will be selected. Select the date using the drop down calendar (see Figure 9).

After Episodes of care which were completed after or on the date specified in the **After** box will be selected. Select the date using the drop down calendar (see Figure 9).

Between Episodes of care which were completed after or on the date specified in the first box (below **Between**) and before or on the date specified in the last box will be selected. Select the date using the drop down calendar (see Figure 9).

Note that only one of the date options can be used. Notice that if the **Select All** option is checked, all the dates will be used in the query.

Select Patient

One or more patients can be selected from the database. The episodes in which this patient was involved in can be queried. The **Select All** option must first be unchecked to activate the search options. Just click on **Select All** and notice that the options to the right become active.

Add a patient to the query by clicking on the **Add** button. The Patient Information screen will be displayed (see Figure 7). Any patient can be selected using the normal patient search functions (see section 5.1.4 Step 2 – Enter Patient & Funding Details). Once the **OK** button on the Patient Information screen is clicked, the patient will be added to the **Select Patient** text box.

Any number of patients can be added. To add another patient, just click the **Add** button again and follow the same procedure as described above.

A patient can be removed from the list of patients in the **Select Patient** text box. Click on the patient that must be removed so that the patient is highlighted. Then click the **Remove** button. The patient will no longer be seen in the **Select Patient** text box.

Notice that if the **Select All** option is checked, all the patients will be used in the query.

Select Outcomes Measure

You can query episodes of care that used specified outcomes measures. The **Select All** option must first be unchecked to activate the search options. Just click on **Select All** and notice that the options to the right become active. The list box on the right contains all the available outcomes measures. Click on the outcomes measure that must be queried in the right hand list box. Then click the **Add** button. Notice that the outcomes measure is added to the list of selected outcomes measures on the left and that it disappears from the list of available outcomes measures on the right.

Continue to add outcomes measures to the list of selected outcomes measures using the procedure described above. You can add outcomes measures until the list of available outcomes measures is exhausted.

An outcomes measure can be deselected by clicking on the outcomes measure in the list of selected outcomes measures. Then click on the **Remove** button. Notice that the outcomes measure is removed from the list of selected outcomes measures and that it reappears in the list of available outcomes measures.

Notice that if the **Select All** option is checked, all the outcomes measures will be used in the query.

Include Demo's

This option is only available in some versions of the Outcomes Calculator. If the **Include Demo's** option is checked, all the episodes that was classified as demo's will be included in the query, otherwise they will be excluded.

Execute the Query

Once all the criteria are specified, click the **OK** button. This will execute the query. The results will be displayed in the **Query Results** screen (Figure 18). Pressing the **Cancel** button on the **Develop Query** screen, will close the screen without executing the query.

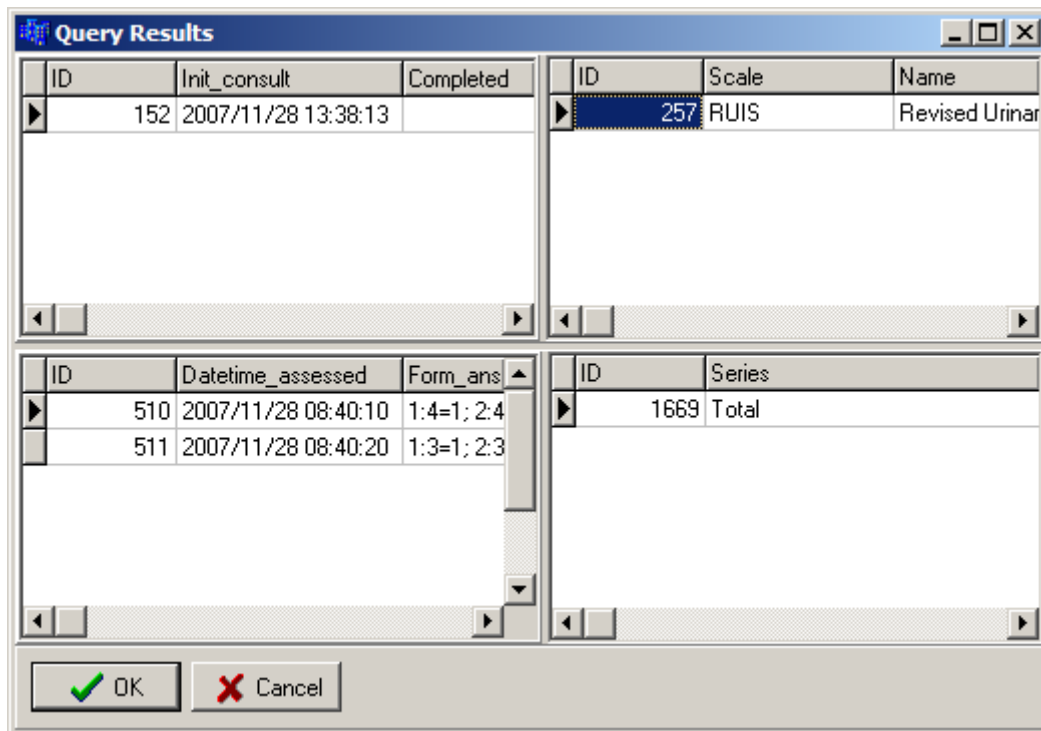


Figure 18 Query Results

The query results are displayed in four list boxes in the **Query Results** screen. The top left box shows all the episodes of care that was found, the top right list box shows the outcome measure, the bottom left list box shows all the assessments and the bottom right list box shows all the scores for each data series available for that assessment.

Notice that if you select any item in one of the list boxes, the items in the following boxes changes (the sequence is: top left, top right, bottom left, bottom right).

The screen and boxes can also be resized to make it easier to view the data. Resize the screen by grabbing any edge or corner of the screen with the mouse cursor and dragging it until the screen is large enough. The list boxed can be resized by slowly moving the mouse cursor over the area between the list boxes. Notice that the cursor will change shape at some point. At this point, hold the left mouse button down and drag it until the list box's size is good enough.

Save the Data

When the **OK** button on the **Query Results** screen is pressed, a **Save** dialog will appear. Specify the place and file name where the data must be saved. Use the default extension (.dat) without typing it explicitly. Once the **Save** button is pressed, the data will be saved. This file can now be shared by any user of the same version of the Outcomes Calculator.

6.1.2 Query Using Multiple Criteria

Any combination of the criteria described in the previous section can be used to query the data. For example, a specific patient can be selected and all the episodes of care started after a specified date can be selected. In other words, from the list of all the episodes of care for the selected patients, only those started after a specified date will be selected.

This can be done by unchecking the **Select All** options for **Initial Consultation** and **Select Patient**. Now, in any order, specify the date and select the patient using the procedures described in the previous section.

Now run the query.

6.2 Export the Data to Excel

The data can be exported to a format that can be read by Excel. It will be exported as a comma delimited file (.csv) and will therefore actual be readable by any spreadsheet program that can read comma delimited files.

Note that this format cannot be read by the Outcomes Calculator. Therefore, this will typically be used if you want to present the data in your own way or if you want to perform your own analysis on the data.

Follow these menu commands to save the data in a comma delimited format:

Data > Export > Excel

The **Develop Query** screen (Figure 17) will open. Create the query in the same way as described in section 6.1.1 Query the Data. Everything will be the same as described in that section, except when the **Save** dialog appears. Now the file format will be .csv. Give the file any name you like. Don't type the .csv extension, this will be added automatically. Once the file is saved, you should be able to open it with Excel.

7. Outcome Measure Screens

Each scale has a sequence of simple forms that must be completed to record the scores. Once all the data is captured, the scores will be calculated and the results displayed in the Episode Management screen (Figure 14). The objective of this chapter is to give some guidance to the recording of the scores in the Outcomes Calculator. It is not to give detail on the outcomes measures themselves. For that, the accompanying Outcomes Measure Manual must be consulted.

7.1 The Nottingham Sensory Assessment

Before this scale can be used, it must be configured. The screen in Figure 19 will be displayed as soon as the **Make Assessment** button is pressed. In the table provided, give a list of joints. Up to ten joints can be entered. Fill the table from the top down. When **OK** is pressed, the joint list will be saved. **Cancel** will close the form and return to the management screen without saving any data.

The next configuration screen (Figure 20) will be displayed automatically. In the table provided, give a list of stereognosis items. Up to ten items can be entered. Fill the table from the top down. When **OK** is pressed, the item list will be saved. **Cancel** will close the form and return to the management screen without saving any data.

This completes the configuration. The configuration is only done the first time the outcome measure is used in an episode of care.

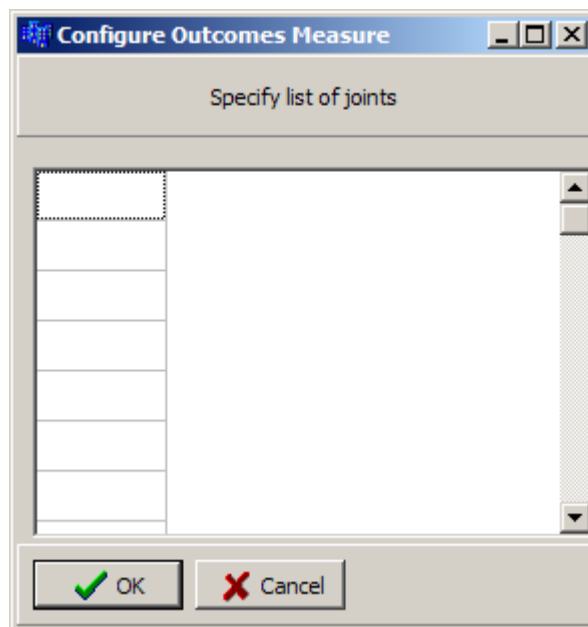


Figure 19 Nottingham Sensory Assessment Joint Configuration Screen

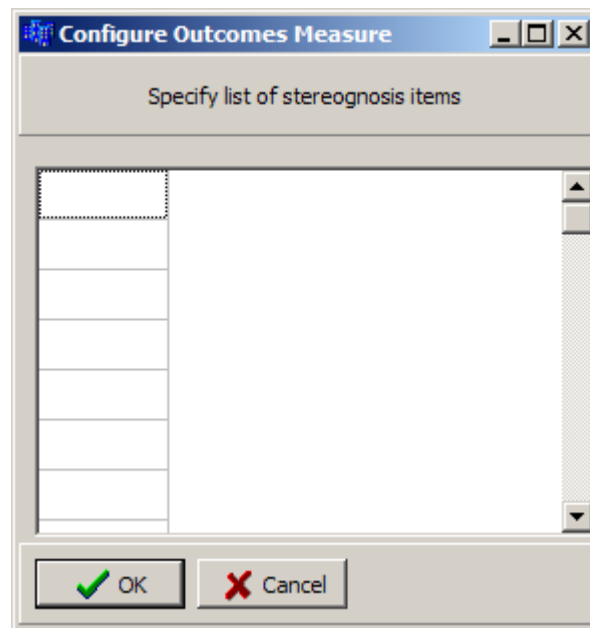
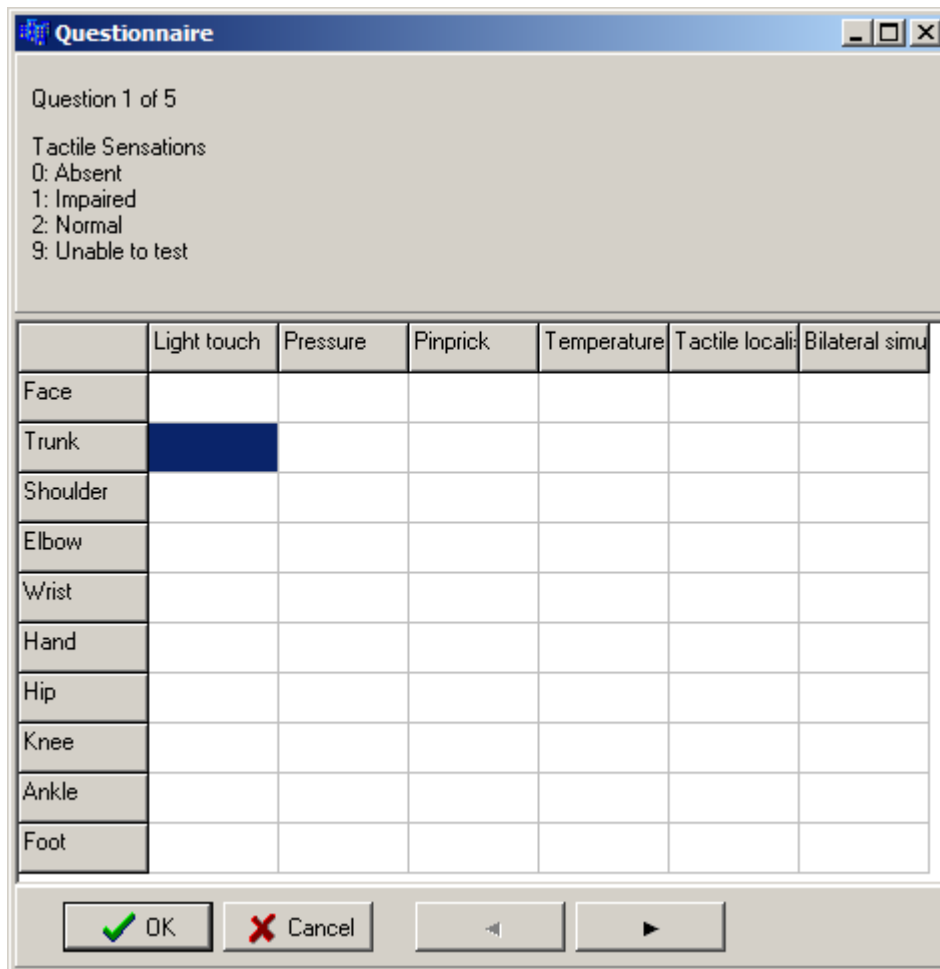


Figure 20 Nottingham Sensory Assessment Stereognosis Items Configuration Screen

The first three questions are tables that must be completed, similar to Figure 21. The number of the question appears in the first line. The next line contains the question. The table is displayed below the question. Simply enter the correct data in the appropriate fields. Press the button with the right arrow to move the next question or the button with the left arrow to move to the previous question.

Notice that if the text of the question is not completely displayed the screen can be resized. Grab a vertical edge of the screen with the mouse and move it to the left or right until the text is readable. If all the lines of the question are not displayed, move the mouse the bottom of the panel on which the question is displayed. Notice that the shape of the mouse cursor will change. When the cursor has changed, hold the left mouse button down and drag the mouse so that the cursor moves vertically down. This will enlarge the panel so that all the lines of the text are visible.



Questionnaire

Question 1 of 5

Tactile Sensations
 0: Absent
 1: Impaired
 2: Normal
 9: Unable to test

	Light touch	Pressure	Pinprick	Temperature	Tactile localis	Bilateral simu
Face						
Trunk						
Shoulder						
Elbow						
Wrist						
Hand						
Hip						
Knee						
Ankle						
Foot						

OK Cancel

Figure 21 Nottingham Sensory Assessment Screen: Question 1

The last two questions are completed on a screen similar to Figure 22. The number of the question appears in the first line. The next line contains the question. Record the answer in the box provide by typing in the value or by using the up and down arrows. Press the button with the right arrow to move the next question or the button with the left arrow to move to the previous question.

Press **OK** to record the score. This is only allowed if all the questions are answered. **Cancel** will close the screen without recording any scores.

Notice that if the text of the question is not completely displayed the screen can be resized. Grab a vertical edge of the screen with the mouse and move it to the left or right until the text is readable. If all the lines of the question are not displayed, move the mouse the bottom of the panel on which the question is displayed. Notice that the shape of the mouse cursor will change. When the cursor has changed, hold the left mouse button down and drag the mouse so that the cursor moves vertically down. This will enlarge the panel so that all the lines of the text are visible.

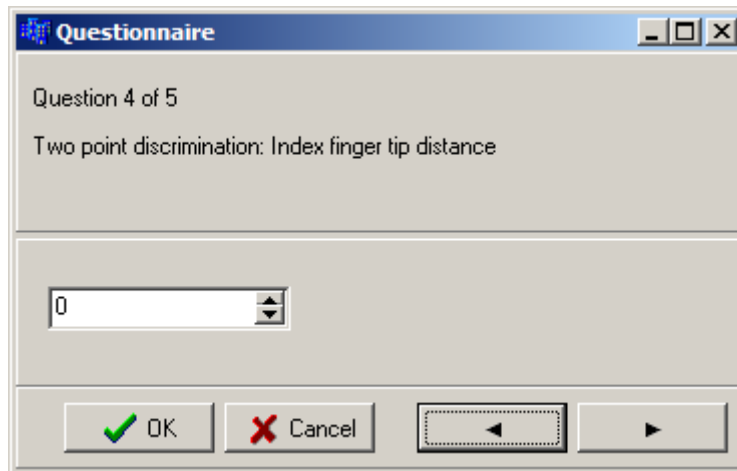


Figure 22 Nottingham Sensory Assessment Screen: Question 4

7.2 Tardieu Scale

Before this scale can be used, it must be configured. The screen in Figure 23 will be displayed as soon as the **Make Assessment** button is pressed. In the table provided, give a list of muscle groups. Up to ten muscle groups can be entered. Fill the table from the top down. When **OK** is pressed, the muscle group list will be saved. **Cancel** will close the form and return to the management screen without saving any data.

The next configuration screen (Figure 24) will be displayed automatically. In the table provided, give a list of range of movements. Up to ten items can be entered. Fill the table from the top down. When **OK** is pressed, the range of movements list will be saved. **Cancel** will close the form and return to the management screen without saving any data.

This completes the configuration. The configuration is only done the first time the outcome measure is used in an episode of care.

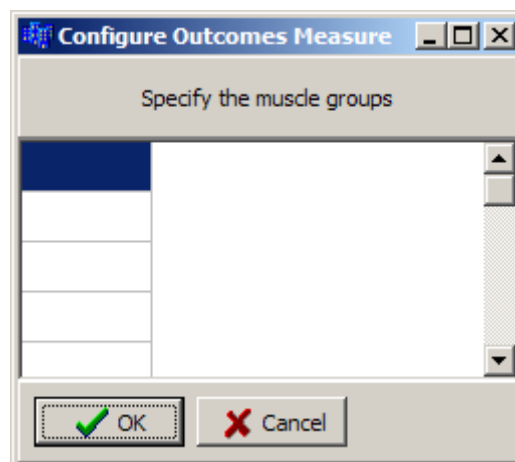


Figure 23 Tardieu Scale Muscle Group Configuration Screen

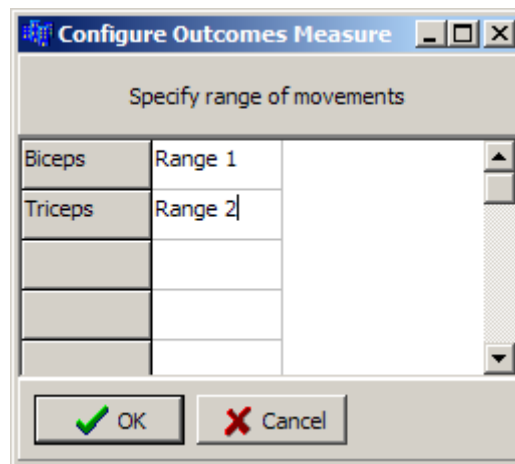


Figure 24 Tardieu Scale Range of Movement Configuration Screen

The questions are complete on tables similar to Figure 21. The number of the question appears in the first line. The next line contains the question. The table is displayed below the question. Simply enter the correct data in the appropriate fields. Press the button with the right arrow to move the next question or the button with the left arrow to move to the previous question.

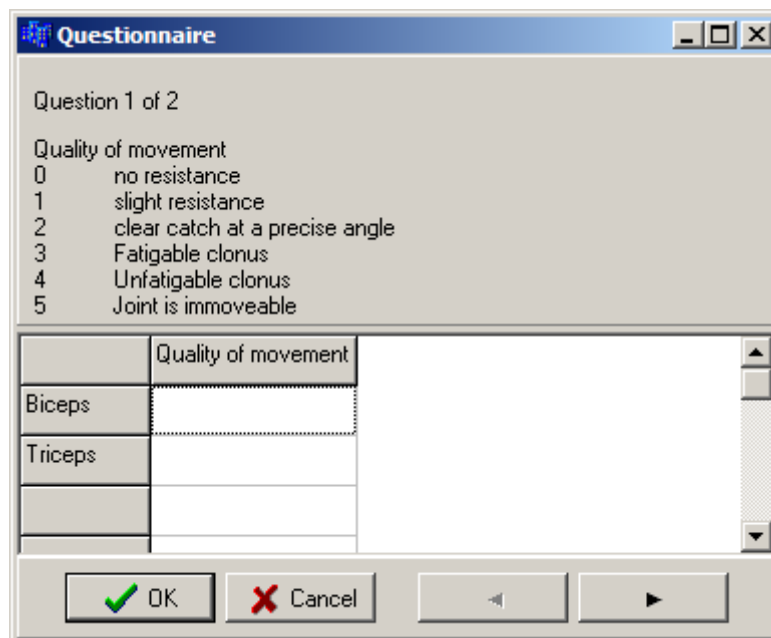


Figure 25 Tardieu Scale Screen

Notice that if the text of the question is not completely displayed the screen can be resized. Grab a vertical edge of the screen with the mouse and move it to the left or right until the text is readable. If all the lines of the question are not displayed, move the mouse the bottom of the panel on which the question is displayed. Notice that the shape of the mouse cursor will change. When the cursor has changed, hold the left mouse button down and drag the mouse so that the cursor moves vertically down. This will enlarge the panel so that all the lines of the text are visible.

The columns of the table can also be resized by grabbing the right hand edge of the column with the mouse and dragging it.

7.3 Modified Ashworth Scale

Before this scale can be used, it must be configured. The screen in Figure 26 will be displayed as soon as the **Make Assessment** button is pressed. In the table provided, give a list of joints. Up to ten joints can be entered. Fill the table from the top down. When **OK** is pressed, the joint list will be saved. **Cancel** will close the form and return to the management screen without saving any data.

This completes the configuration. The configuration is only done the first time the outcome measure is used in an episode of care.

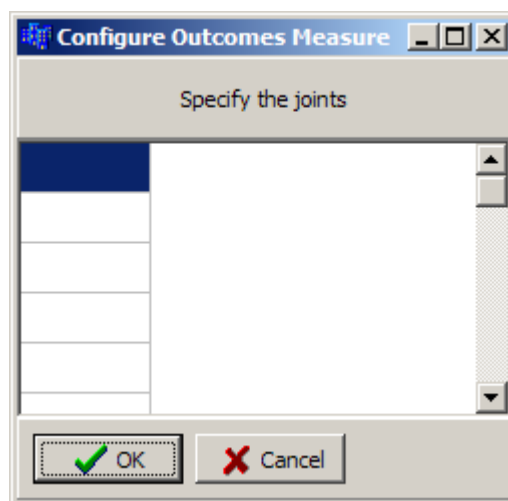


Figure 26 Modified Ashworth Scale Configuration Screen

The question is completed on a table similar to Figure 27. There is only one question. The number of the question appears in the first line. The next line contains the question. The table is displayed below the question. Simply enter the correct data in the appropriate fields. Press the button with the right arrow to move the next question or the button with the left arrow to move to the previous question.

Notice that if the text of the question is not completely displayed the screen can be resized. Grab a vertical edge of the screen with the mouse and move it to the left or right until the text is readable. If all the lines of the question are not displayed, move the mouse the bottom of the panel on which the question is displayed. Notice that the shape of the mouse cursor will change. When the cursor has changed, hold the left mouse button down and drag the mouse so that the cursor moves vertically down. This will enlarge the panel so that all the lines of the text are visible.

The columns of the table can also be resized by grabbing the right hand edge of the column with the mouse and dragging it.

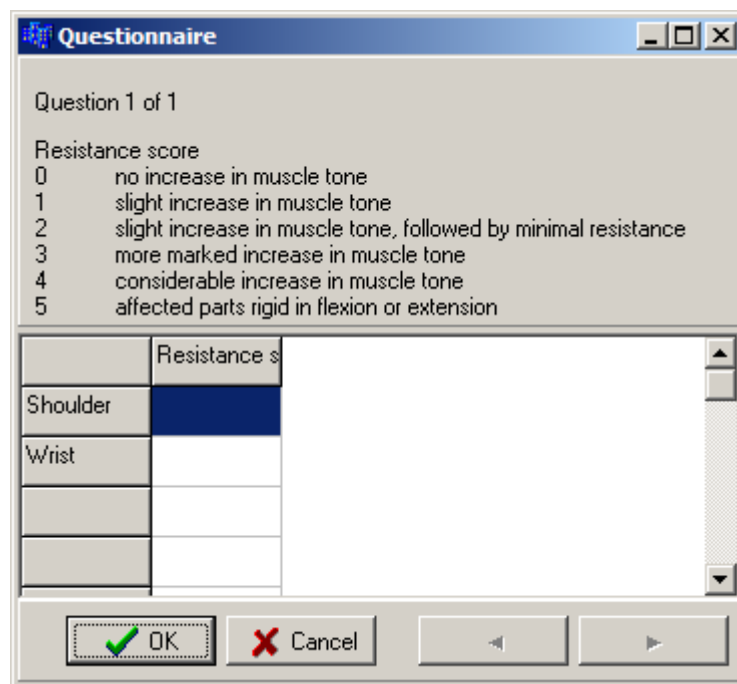


Figure 27 Modified Ashworth Scale Screen

7.4 Functional Reach Test

The data is recorded on a form that looks like Figure 28. The number of the question appears in the first line. The next line contains the question. Record the answer in the box provide by typing in the value or by using the up and down arrows. Press the button with the right arrow to move the next question or the button with the left arrow to move to the previous question.

Press **OK** to record the score. This is only allowed if all the questions are answered. **Cancel** will close the screen without recording any scores.

Notice that if the text of the question is not completely displayed the screen can be resized. Grab a vertical edge of the screen with the mouse and move it to the left or right until the text is readable. If all the lines of the question are not displayed, move the mouse the bottom of the panel on which the question is displayed. Notice that the shape of the mouse cursor will change. When the cursor has changed, hold the left mouse button down and drag the mouse so that the cursor moves vertically down. This will enlarge the panel so that all the lines of the text are visible.

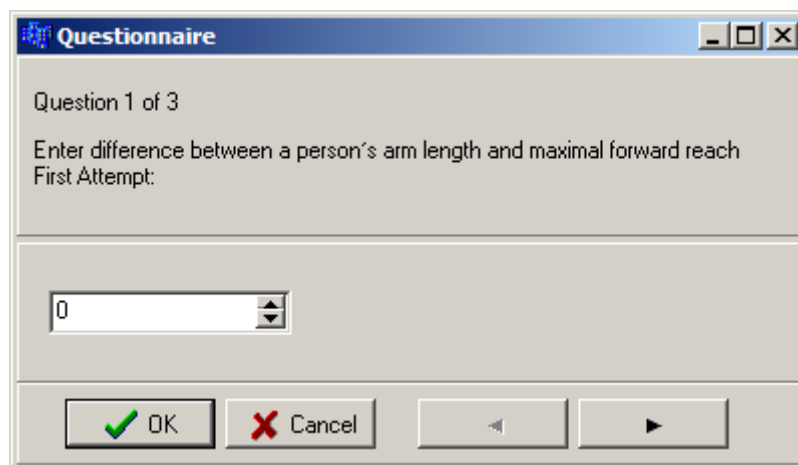


Figure 28 Functional Reach Test Screen

7.5 Step Test

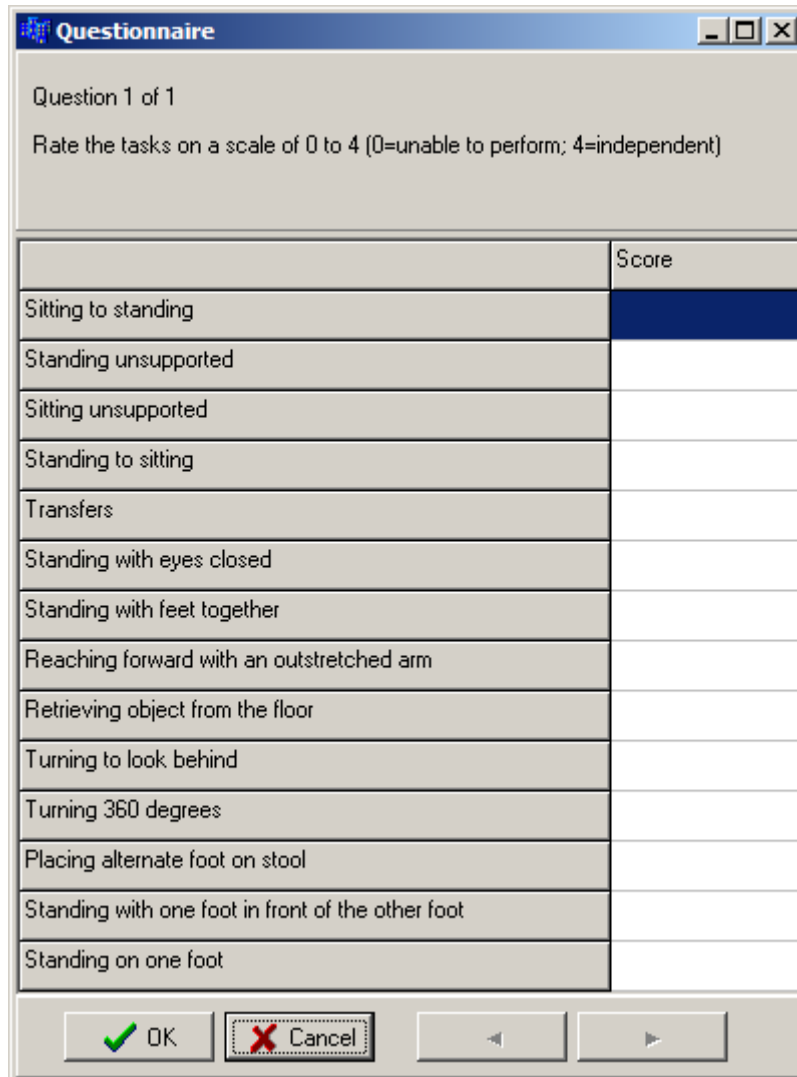
The scores for this scale are recorded in the same way as the scores for the Functional Reach Test.

7.6 Berg Balance Scale

The information required for this scale must be recorded in the screen shown in Figure 29. The number of the question appears in the first line. The next line contains the question. The table is displayed below the question. Simply enter the correct data in the appropriate fields.

Press **OK** to record the score. This is only allowed if all the questions are answered. **Cancel** will close the screen without recording any scores.

Notice that if the text of the question is not completely displayed the screen can be resized. Grab a vertical edge of the screen with the mouse and move it to the left or right until the text is readable. If all the lines of the question are not displayed, move the mouse the bottom of the panel on which the question is displayed. Notice that the shape of the mouse cursor will change. When the cursor has changed, hold the left mouse button down and drag the mouse so that the cursor moves vertically down. This will enlarge the panel so that all the lines of the text are visible.



	Score
Sitting to standing	
Standing unsupported	
Sitting unsupported	
Standing to sitting	
Transfers	
Standing with eyes closed	
Standing with feet together	
Reaching forward with an outstretched arm	
Retrieving object from the floor	
Turning to look behind	
Turning 360 degrees	
Placing alternate foot on stool	
Standing with one foot in front of the other foot	
Standing on one foot	

Figure 29 Berg Balance Scale Screen

7.7 Clinical Test of Sensory Interaction and Balance

The scores for this scale are recorded in the same way as the scores for the Berg Balance Scale.

7.8 Activities Specific Balance Confidence Scale

The first two questions are answered in the same way as the scores for the **Error! Reference source not found.** The last question is recorded on form that looks like Figure 30. The number of the question appears in the first line. The next line contains the question. Move the slider to record the appropriate score. Notice that the score selected on the slider is also displayed in the box marked **Selected Value**. This box only displays the value of the slider and cannot be changed by the user. Press the button with the right arrow to move the next question or the button with the left arrow to move to the previous question.

Press **OK** to record the score. This is only allowed if all the questions are answered. **Cancel** will close the screen without recording any scores.

Notice that if the text of the question is not completely displayed the screen can be resized. Grab a vertical edge of the screen with the mouse and move it to the left or right until the text is readable. If all the lines of the question are not displayed, move the mouse the bottom of the panel on which the question is displayed. Notice that the shape of the mouse cursor will change. When the cursor has changed, hold the left mouse button down and drag the mouse so that the cursor moves vertically down. This will enlarge the panel so that all the lines of the text are visible.

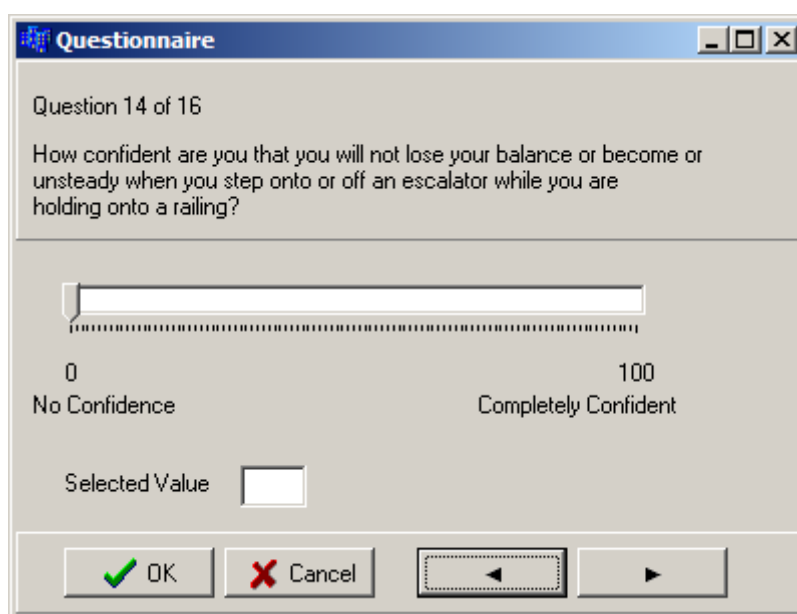


Figure 30 Activities Specific Balance Confidence Scale Screen

7.9 Functional Independence Measure & Functional Assessment Measure

The data is recorded on a series of forms that looks like Figure 31. The number of the question appears in the first line. The next line contains the question. A list of options is given next. Select the appropriate option. Press the button with the right arrow to move the next question or the button with the left arrow to move to the previous question.

Press **OK** to record the score. This is only allowed if all the questions are answered. **Cancel** will close the screen without recording any scores.

Notice that if the text of the question is not completely displayed the screen can be resized. Grab a vertical edge of the screen with the mouse and move it to the left or right until the text is readable. If all the lines of the question are not displayed, move the mouse the bottom of the panel on which the question is displayed. Notice that the shape of the mouse cursor will change. When the cursor has changed, hold the left mouse button down and drag the mouse so that the cursor moves vertically down. This will enlarge the panel so that all the lines of the text are visible.

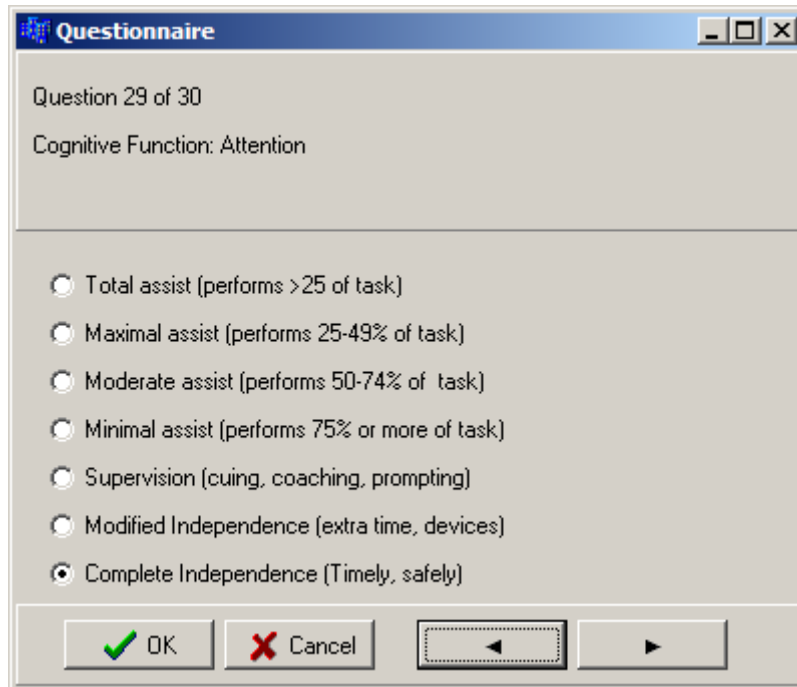


Figure 31 Functional Independence Measure & Functional Assessment Measure Screen

7.10 Functional Oral Intake Scale

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.11 Frenchay Activities Index

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.12 Goal Attainment Scale

Before this scale can be used, it must be configured. The screen in Figure 32 will be displayed as soon as the **Make Assessment** button is pressed. In the table provided, give a list of goals. Up to five goals can be entered. Fill the table from the top down. When **OK** is pressed, the goal list will be saved. **Cancel** will close the form and return to the management screen without saving any data.

This completes the configuration. The configuration is only done the first time the outcome measure is used in an episode of care.

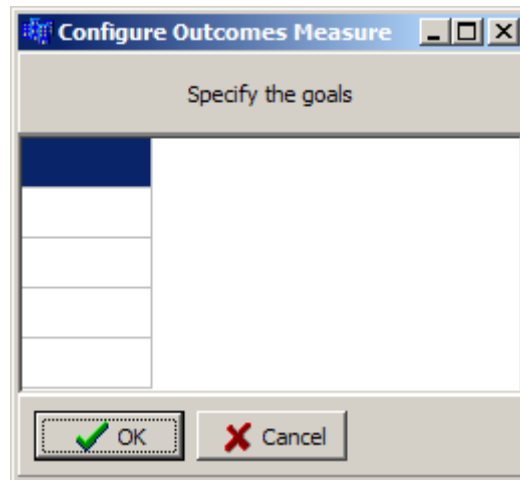
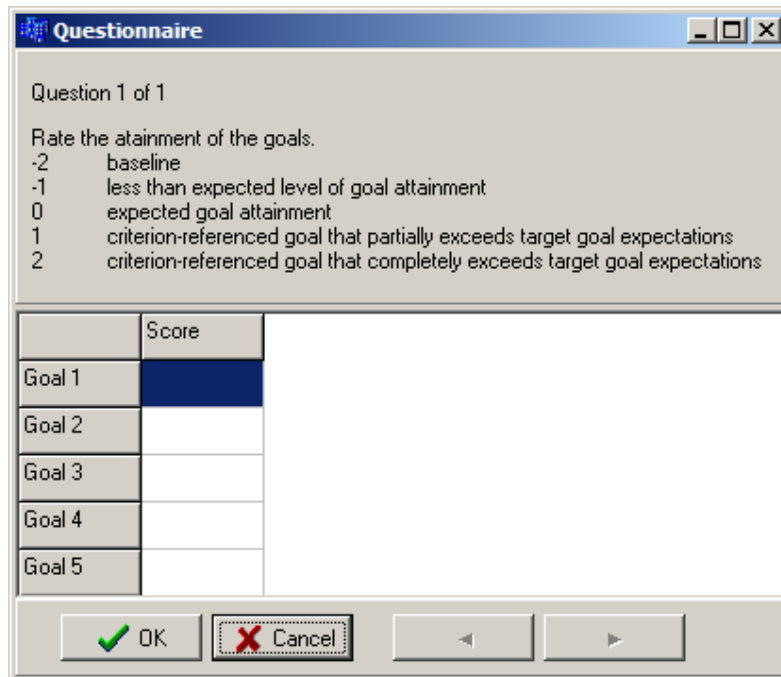


Figure 32 Goal Attainment Scale Configuration Screen

The question is completed on a table similar to Figure 33. There is only one question. The number of the question appears in the first line. The next line contains the question. The table is displayed below the question. Simply enter the correct data in the appropriate fields. Press the button with the right arrow to move the next question or the button with the left arrow to move to the previous question.

Notice that if the text of the question is not completely displayed the screen can be resized. Grab a vertical edge of the screen with the mouse and move it to the left or right until the text is readable. If all the lines of the question are not displayed, move the mouse the bottom of the panel on which the question is displayed. Notice that the shape of the mouse cursor will change. When the cursor has changed, hold the left mouse button down and drag the mouse so that the cursor moves vertically down. This will enlarge the panel so that all the lines of the text are visible.

The columns of the table can also be resized by grabbing the right hand edge of the column with the mouse and dragging it.



Question 1 of 1

Rate the attainment of the goals.

-2 baseline
 -1 less than expected level of goal attainment
 0 expected goal attainment
 1 criterion-referenced goal that partially exceeds target goal expectations
 2 criterion-referenced goal that completely exceeds target goal expectations

	Score
Goal 1	
Goal 2	
Goal 3	
Goal 4	
Goal 5	

OK Cancel

Figure 33 Goal Attainment Scale Screen

7.13 London Handicap Scale

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.14 Chedoke Arm and Hand Activity Inventory

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.15 Nine-hole Peg Test

The scores for this scale are recorded in the same way as the scores for the Functional Reach Test.

7.16 Action Research Arm Test

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.17 Six-minute Walk Test

The scores for this scale are recorded in the same way as the scores for the Functional Reach Test.

7.18 High Level Mobility Assessment Tool

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.19 Motor Assessment Scale

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.20 Mobility Scale for Acute Stroke Patients

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.21 Reintegration into Normal Living Index

The scores for this scale are recorded in the same way as the scores for the Activities Specific Balance Confidence Scale.

7.22 Community Integration Measure

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.23 United Parkinson's Disease Rating Scale

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.24 Supervision Rating Scale

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.25 Resumption of Activities of Daily Living Scale

The scores for this scale are recorded in the same way as the scores for the Activities Specific Balance Confidence Scale.

7.26 Tampa Scale of Kinesiophobia

The scores for this scale are recorded in the same way as the scores for the Activities Specific Balance Confidence Scale.

7.27 Centre for Epidemiologic Studies-Depression Scale

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.28 Kessler Physiological Distress Scale

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.

7.29 Assessment of Quality of Life

The scores for this scale are recorded in the same way as the scores for the Functional Independence Measure & Functional Assessment Measure.