

Orthodontic Patient Administration System



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Contents

Installation	3
Starting the Application	3
Unlocking the Application	4
Tutorial	5
Reports	8
Utilities	11
Appendix I (PAS integration)	13
Appendix II (Data Collection Sheet)	14
Appendix III (Backup Strategy)	15
Appendix IV (Query Tutorial)	16
Appendix V (Report Wizard Tutorial)	17
Appendix VI (Network Configuration)	23
Appendix VII (Mail Merge Troubleshooting)	24
Appendix VIII (Direct PAS Link)	25
Appendix IX (License agreement)	26

Installation

<u>Windows 10, 11</u>

- Click on the *Start* button, select *Run...*
- Type <d>:\setup.exe and click on the OK button. (where <d> represents your CD-ROM drive or floppy drive depending on which media you have.
- Follow the on-screen instructions
- If you are using Windows Vista or Windows 7 then you **must** be logged on as an administrator.

Hardware Requirements

Windows 10 or later 8G RAM Pentium III or better 40 Megabytes hard disk space Microsoft Word (any version) – **must be 32bit to use mail merge feature** Mouse Monitor capable 1024 * 768 pixels (or higher) display

Starting the Application

Initially you will see a small window on the top left of your screen, which contains the following message:



Click on the 'No' button, as there aren't any existing users as yet. Next you will see another very similar window as shown below.



Click on the 'Yes' button to add a new user.

Next you will see another window titled 'Update Users'.

	User	Manual
date Users - OP4 General	AS I MAIN	
Eirst Name <u>S</u> urname Login	Mark Shupac ms This is also the first password.	C Supervisor
Default Access User Group Workgroup	No Access None O	C No Access
	<u>D</u> K <u>C</u> ancel]

Enter the following data:

- First name
- Last name
- Login (it is best to enter your initials as the Login.)

The Login is also your password (until you change the password).

Next you will see the 'User Login' Window.

User Login	dh-lide I	×
Login		
Password		
	_	1
OK	Cancel	

Enter you login and press the <Tab> key. Then enter your password (same as the login) and press <Tab> again. Finally click on the *OK* Button.

When the main window is displayed you will notice the application is registered to 'DEMO'. This means that you have a fully functional demonstration system that will run for 30 days. If you have purchased the system, see **Unlocking the System** below for details of how to remove the restriction.

Unlocking the Application

Initially, the product runs as a fully functional system for a 30-day period. If you have **purchased** the application, you will receive a sheet of paper with the unlock details.

- Fill in the details **exactly** as they are on the sheet. Next to each entry field is a number. This is a checksum and will allow you to check that you have entered the data accurately. For each field, enter the data and press the <Tab> key. The checksum should then agree with the enclosed activation sheet.
- OPAS will inform you if your activation was successful.
- Exit the program and restart it. You should now see your name in the main screen.

Tutorial

Introduction

Before entering patient's data, it is worth taking the time to understand how OPAS works and to set up other aspects of the application.

When entering patient data, OPAS 'looks up' various bits of information from other files (e.g. Referrer, GDP etc.) This ensures that your data is accurate (no typing errors), and speeds data entry. These ancillary files need to be set up before you begin.

The ancillary files are:

- Referrers
- GDP's
- GMP's
- Operators
- Consultants
- Districts
- Disposal options
- Appliances
- Case Type 3 Options
- Departments (treatment centres)
- Supervisors
- IOFTN (Index of Orthognathic Treatment Need) this is preconfigured for you.

The files are all accessed from the *Update* menu. Select the required file and you will see a *browse* window. You may insert, change, or delete record from this window. OPAS uses this type of browse window for all its files.

This tutorial will take you through data entry and basic reporting routines.

Setting up Ancillary Files

Select *Operators* from the *Update* menu. Now click on the *Insert* button to add a new operator. Fill in the data. Remember to press the <Tab> key to move to the next field (<Shift><Tab> to move back a field). When the data has been entered, click on the *OK* button.

Select *Consultants* from the *Update* menu. As for the operators, click on the *Insert* button and enter the data. Finally, click on the *OK* button.

Repeat this for the Supervisors, GDP's, GMP's, Departments, Referrers and District files. They all operate in the same way. You may not need to bother with the Districts file.

The Appliances file already has a number of appliances. Please check the list is complete and add any appliances as required.

The Disposal Options file may be tailored to reflect the terminology used in *your* department. The disposal is what you do with the patient after the first consultation.

When entering Referrers, GMP's and GDP's you will need to allocate some code to each person. For example, Dr. PJ Smith might be given a Referrer code of 'PJSMITH'. You may use any code you wish *providing* that each person in the file has a unique code. In other words, each Referrer, GMP and GDP must have a unique code. A Referrer *can* have the same code as a GDP or GMP (because they are stored separately).

Patient Browse Screen

5urname:							< Ent	er search data	and press <1a	ар > кеу,
Name	Hosp No	NHS Number	Department	DoB	Occlusion	Case Type 1			Date on W/L	Date off W/L
dxxxxxxek, Kerri	V31XXJRDLH		MDH	03/09/1983		Orthognathic	19/11/1994			
dxxxxxxuk, Sheralyn	V34XXJBJFL		MDH	24/05/1976			24/05/1991			
dxxxxxxvb, Michelle	V33XXKSLUS		ABC	08/03/1976			30/11/1992			
dxxxxxxwb, John	NOOXXDRRVH		ABC	29/08/1985		Orthodontic	23/01/1996		04/04/1996	05/05/1998
xxxxxaf, Claire	V34XXMPSYQ		ABC	13/11/1979			11/12/1991			
xxxxxxgu, Claire	V34XXQNXCJ		ABC	26/07/1975			23/08/1991			
xxxxxxiy, Jaione	V34XXPRKBZ		MDH	13/12/1974			13/01/1992			
xxxxxxin, Paul	V34XXPBBBI		ABC	20/11/1980			28/01/1992			
xxxxxxpb, Toby	V32XXKPOLF		MDH	08/01/1980		Orthodontic	26/11/1991			
xxxxxxxa, Charlotte	V66XXFQSYQ		MDH	28/10/1992		Orthodontic	27/08/2010			
lxxxxxxya, Rebecca	V34XXLDAXI		MDH	19/06/1980			13/11/1991			
lxxxxxxyn, Sara	V33XXQUNTF	448-999999	ABC	15/10/1988		Orthognathic	01/07/1999			
mxxxxxxii, Katie	K19XXQZNOK		MDH	22/03/1979	Class I		12/01/1995	22/02/1995		
										>
Insert	Change	前 Delete						🗐 Diagnosis		Letters
L Tuperc	Change	III Delete						E Diagnosis		Letters
										105
III Labels	🚔 All Fields									0

Click on the button marked *Patients* on the toolbar (or select *Patients* from the *Update* menu). The Patient Browse Screen will be displayed, showing a list of patients either alphabetically, or in Hospital Number order, depending on which Tab (along the top) is foremost.

Each Tab also contains a locator field. To locate a specific record by surname, click on the surname locator and type all or part of the name. Press <Tab> key and the cursor will jump to the nearest matching record.

The lower tabs refer to specialised functions. Please take the time to look around to familiarise yourself. The Orthognathic tab will only function if you have purchased the Orthognathic add-on module. The same applies to the *Labels* button.

Query Buttons - located within the Query Tab

The Query function is explained later in this document. There is also a step-by-step tutorial to guide you through the Query Wizard.

Adding a New Patient

With the Patient Browse Screen displayed, click on the *Insert* button. The Patient Record Form is displayed. This form is split into 4 Tabs:

- Address demographic data
- Referral date of referral and referrers, GMPs, GDPs etc
- Consult entered after the first consultation visit.
- Treatment entered during and after treatment.

Some fields are completed by 'looking up' information from other files. For example, the image below shows the entry of the Referrer. If you know the Referrer Code, simply type it in and press the <Tab> key. OPAS will check that the code is valid and then display the surname (as confirmation). If the code is invalid OPAS will display a lookup browse screen in which you should highlight the required Referrer and then click on the *Select* button.

If you have no idea of the code, click on the small button with the '...' label to display the lookup browse. This method of lookup is used for the GDP's, GMP's, Operators, Consultants, and Appliances as well.



To fill in the Operator and Consultant fields click on the down-arrow in the field to display a drop-down list of options. This method is used for a number of options, including Disposal, occlusion and others.

Adding a New Appliance to the Patient's Treatment

Click on the *Treatment* Tab and near the bottom right you will see a small browse box. This lists the appliances that have been used on this patient. Click on *Insert* to add a new appliance. Fill in the details as appropriate. Notice the appliance lookup button. This allows you to select an appliance from the Appliances file.

Adding a new user to the security system

When you first start the system OPAS assumes that you are the system supervisor. This means you have the right to add *operators (or users)* and limit their access to certain parts of the application. The system stores a password for each login (identification of the person accessing the system). Initially the password is the same as the login. This can be changed.

Select Users from the Utilities menu. A browse window is displayed which currently displays one supervisor. Click on the *Insert* button. Fill in the first and surname fields. We suggest you use the initials for the login. Click on the *Operator* check box on the right hand side of the window. Finally, select *All Access* from the *Default Access* drop down list box (click on the down arrow to display the options). Now click on the *OK* button. Click on the *Close* button to close the browse window.

Printing a Report

Select a report from the *Reports* menu. Most of the reports will require you to enter a date range, an operator or some other data to limit the report. Almost all the reports expect you to either select a Department or leave it blank to report on all the departments. Enter the data required and then click on the *OK* button. The report will be processed and then be displayed in a preview window. Various buttons along the top of the screen allow you to move around the report, zoom in and out, print all or part, and even cancel the report.

Letter Editing

One of OPAS's most useful features is the ability to select a patient and then produce a formatted letter at the press of a button. The letter may contain virtually of the data from the system. Referrer and GDP, GMP addresses need only be entered once - into their respective data files. Referral acknowledgement letters are no longer tedious!

In order to achieve this increased productivity, we must first setup the letters. OPAS version 5.0 and later uses Microsoft Word for letter production and mail merging. Ensure that the system has at least one patient entered.

- Open the Patient Browse window.
- Click on the 'Letters' button a browse will open with 'Insert', 'Change' and 'Delete' buttons.
- Click on the 'Insert' button to create a new letter.
- Type a description for this document you will use this to select a letter to print.
- Click on the 'OK' button and Word will start. After a few moments OPAS will reappear but Word is still running in the background. Bring the Word window into view. You should see the standard Word mail merge toolbar...
- Rest your cursor on each icon for a moment and a help tip will explain what each button does. The button labelled 'Merge to Printer' will print the complete mail merge. The button labelled 'Merge to New Document' will create a new document for each patient in the mail merge file.

🗄 💼 💅 📄 📄 🔲 Insert Word Field 🕶 🗱 📑 📑 🖉 🖌 🍕	L 🕨 M 🖫 🔍 🗊 🕼 🎭 🔊 🖕
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- Place your cursor where you would like to insert a merge field and Click on the 'Insert Merge Field' button. Then select the required field. You will see the placeholder in the document.
- Compose your letter as you would in any Windows type word processor.
- When the letter is complete, save it by selecting Save from the File menu.
- Close the document. Leave Word running if you intend to carry out any other OPAS letters this will save time later.

Please note:

You may only have one mail merge document open at any one time. Please close the document after you have printed your letter, before initiating a new mail merge.

User Manual Remember, once your letters have been set-up in this way they can be re-used again and again without any further effort on your part.

Reports

<u>Disposal</u>

This report produces a one-page summary of the Disposal statistics. You may enter a set of dates (start & finish) in order to produce a 'snapshot' of the situation at a given time.

General Activity

This report will produce a comprehensive one-page report showing all sorts of useful audit data.

Waiting List

Prints out a waiting list by priority and consultant. Patients are listed by their position on the list. By leaving the Consultant field blank you may print out the whole department's waiting list.

18 Week Rule

The '18 Week Patient Pathway Rule' comes into force during 2008 and should be fully implemented by the end of 2008. The rule states that patients must commence treatment within 18 weeks of referral, except when an acceptable 'Deferred-Start-Date' can be applied which will 'stop the clock'.

When starting OPAS you will be given the option to print a report of those patients that have 3 weeks or less left before breaking the 18-week rule. The clock can be stopped by entering a date into the 'Deferred-Start-Date' field (eg if the Disposal is Review).

Please Note:

You *must* add the patient to the system when the referral arrives if you wish to use this report. In the past many users only entered the patient details *after* the consultation in order to avoid 'clogging up' OPAS with patients that may not attend.

Referrers by District

Summary report detailing the number of referrals from each District in a given time span (star & finish dates).

Referrals by Referrer

This report allows you to print a list of referrals received between dates. Each page of patients is laid out so that it can be folded and inserted into a window envelope to be sent to the referrer. Each referrer's patients are printed on a fresh sheet of paper.

Case-mix

Produces a list of all cases for a given Operator. You may choose between 'Active' and 'Completed' cases.

Query

This is the most flexible and powerful report in the system. It allows you to stipulate both the search criteria *and* the output format of the query. Please refer to the Query Tutorial in the Appendix.

Query Select

This is located on the main patient browse screen. Click on the *Query* button to access the Saved Queries List. At this point you may re-use and existing query or create a new on. Alternatively, you can change or delete queries. Click on the required Query and click on the *Select* button. After a while only the filtered patients will be displayed. Click on the *Count* button to display a count of the records.

Query Print

The Query Report Format Type window will be displayed. Select the required output format from the drop down click box. If your report is not a mail merge, or freeform you will be able to enter a report title in the field provided.

What happens next depends on whether you select Mail merge as the output format or not. After mail merge is selected will then see the Saved Queries list box. Select the required query and then choose one of the letters that you created previously from the drop down click box. Word will then start, and you can use the standard Word mail merge toolbar to print the letter.

When another output format has been selected you will see the Saved Queries list box. Select (or create) the query and the report will run. You will be presented with the preview screen so that you can check the report without printing it.

If you selected 'Freeform', you will be able to design your own report by choosing which fields to print. This facility, combined with the Query Wizard that allows you to stipulate which patients are selected, you now have an extremely flexible and powerful tool at your disposal. Please refer to the Report Wizard Tutorial in this document for a detailed description of how to use the Report Wizard.

Please refer to the Query Tutorial for a detailed description of how to use the Query.

Departmental Audit Reports

These reports are graphs and charts. They are only available if the 'Full Departmental Audit' module has been purchased. In each case a date range is entered as well as optionally a department and/or an operator. The output is limited accordingly.

Orthognathic Reports

These reports relate to the Orthognathic Module and are only available if the module has been purchased. The appropriate search criteria are entered depending on which report is selected.

Utilities Menu

Archiving

Many systems have been in use for decades and are cluttered with very old data. The archiving feature will *move* the patients and their appliance-treatments to a separate archive file. The archive file may be viewed by selecting Utilities \rightarrow Archiving \rightarrow Browse Archived Patients.

There are 2 ways to archive a patient:

- 1. There is an archive button on the Patient-Browse window. This will archive only the highlighted patient.
- 2. Select Utilities→Archiving→Archive Patients. This allows you to select a Query-Wizard filter and then archives those patients that fulfil the filter criteria.

Warning! This is very powerful if the query is wrong then OPAS may archive many patients that you never meant to archive. **Please feel free to call for software support to discuss how best to do this.**

We recommend running test queries within the Patient-Browse window. This allows you to verify that the query is selecting the patients you want to archive. You can then run that same query as a batch process within the archiving menu.

The reason for this is that different users may have implemented OPAS in different ways and therefore not have all the fields filled in. For example; will all users have filled in the 'End-Date' or 'End of Retention' or even 'Discharge Date'?

Also, some patient may have never started treatment and need to be archived based on their disposal or the fact they were first seen many years ago but never received active treatment.

Import Patients

This option allows OPAS to integrate with your hospital PAS system (providing you can allocate hospital numbers to your patients at the time you receive their referral letter). Your hospital IT department can provide a list of new patients on a disk on a regular basis. OPAS will then integrate these patients into the system. The import file is a comma separated value (csv) format. See the Appendix for the file structure. This must be followed **exactly**.

The import routine works as follows; For each patient in the import file it uses the hospital number to lookup that patient in the OPAS patients file. If it exists, then any *missing* demographic data is updated with the data from the import file. If it doesn't exist, then the patient is added as a new patient. The routine will find and ignore duplicate patient entries. Also, all names and addresses will be put into 'proper' case, i.e. The first letter of each word will be capitalised, the rest of the word left in lowercase. Please note that you can only do this if you have allocated 'proper' hospital numbers to you OPAS patients *before* importing PAS data. We recommend that you carry out a backup before any PAS importing.

Configure PAS Direct Link

Use the small browse button to locate the customised PAS Link application that may have been supplied to you by cTc Software. The 3 tick boxes are used to inform OPAS that GMP, GDP, and Referrer data may also be available for import. The boxes ticked will depend entirely on your customised PAS link application. E.g. There is no point in ticking the GDP box if the PAS link does not transfer GDP data!

Synchronise GDPs and Referrers & GMPs and Referrers

This routine takes some of the tedium out of maintaining separate files for GDP's and Referrers. All GDP's may be Referrers, but not all referrers are necessarily GDP's. This utility will trawl through each and every GDP on the system. For each GDP it will attempt to locate a Referrer. It will add the GDP to the referrers file if it cannot find a match. The procedure is repeated between the GMPs and Referrers file.

<u>Export</u>

This will create a comma separated value file of each of the following files, which may be used for further analysis in other software (e.g. Excel etc.):

Patients	Referrers	GDP's	GMP's	Treatment-Appliances	Districts
----------	-----------	-------	-------	----------------------	-----------

Password

Use this to change your password. When a user is first added to the system, their password is the same as their login.

<u>Users</u>

If you have 'supervisor' status you may access this screen to change any user's status from operator to supervisor (or vice versa.). See the Appendix for an explanation of how the security system operates.

Logged-on

This will list all users currently using the system (if you are using OPAS on a network).

Integrity Check

This facility allows you to check that the stored data is complete, and does not contain obvious, silly errors. You stipulate a date range for the date of consultation. Any patients whose date of consultation falls outside the range will be ignored. This is so that very old, incomplete data may be excluded from the report. Run this utility just before carrying out a full audit for the year in question and use it to pinpoint gaps in the data.

The Integrity Checker is split into several levels:

- General This will trawl through the data and highlight any nonsensical entries.
- Level 1 This will examine patients who have just been referred, but not yet seen.
- Level 2 This will check the data of patients who have had their initial consultation.
- Level 3 This examines the patients who have commenced active treatment.

A Full Departmental Audit Report module is available (call cTc Software for details). This module allows you to produce over 20 bar charts and tables etc. The integrity checker will ensure the data is complete before running the full audit module.

Appendix I – PAS Integration

Below is the Comma Separated Value field order expected by OPAS when importing names and addresses from a hospital mainframe/minicomputer system (PAS data).

File format: **CSV** (comma separated value)

	_	-	
Field Name	Туре	Comment	
PAT_ID	Character	Hospital Number	
NHSNo	Character		
FORENAME	Character		
SURNAME	Character		
TITLE	Character		
ADDRESS1	Character		
ADDRESS2	Character		
ADDRESS3	Character		
ADDRESS4	Character		
POSTCODE	Character		
DOB	Character	date of birth (D	D/MM/YYYY)
REF_DATE	Character	date of referral (D	D/MM/YYYY)
DHA	Character	district health authority	у
SEX	Character		-
Tel1	Character		
Tel2	Character		
Tel3	Character		
Email	Characer		
Department	Character		

The first line should **not** contain field names All fields must be surrounded by quotation marks (" ") Commas must separate all fields The date fields <u>must</u> be in the format DD/MM/YYYY format

Please Note:

From version 8.3 onwards OPAS can handle multiple departments. For the import to work it is essential that the Department field be added to the end of the list of fields in the CSV file.

Please ensure the CSV file department names are the same as the Department names used within OPAS. The import routine will try to match the names so that it can assign a Department-Number to the patient record in OPAS. If no match is found, then an error will be flagged, and the patient be add/amended without being assigned to a department. The patient can be assigned to a department manually by the user at any time.

Appendix II – Manual Data Collection

The latest OPAS DATASHEET can now be found in the OPAS installation folder:

AuditSheet83.doc

Please feel free to customise this document to your requirements (particularly with regard to the *Disposal* and *Case-Type3* options.

Appendix III - Backup

Backup Strategy

If OPAS has been installed on a hospital server then you do not need to carry out backup.

Backup is **the** most important procedure of the day. The value of the hardware is very small in comparison with the value of the data (either it is irreplaceable or extremely expensive in labour costs to re-enter).

Most OPAS systems will contain no more than several thousand patients' records. This means that all your data will fit on 1-3 diskettes. Consequently, the simplest policy is to perform a complete backup every day.

- Start DataSafe
- Check that OPAS is not being used by anyone on the computer or network
- Insert the first backup diskette
- Click on the Backup button
- Confirm the drive to backup onto (usually drive A:)
- Click on the Start button

Arrange to have one set of backup disks for each working day of the week - this is really very important!

If your network administrator is looking after the data backup then he will want to know which files to backup - please show him this document.

- *.TPS
- *.LIC
- *.DOC
- *.DOT
- *.RTF

Restoring OPAS using DataSafe

- Start DataSafe
- Click on the Restore button
- Confirm the drive to restore from
- Click on the Start button.
- Follow the on-screen instructions. If DataSafe asks you to confirm overwriting existing files, answer 'Yes'.

Appendix IV – Query Tutorial

Query Tutorial

Introduction

The Query routine is a completely user-definable tool of selecting (filtering) records out of the main database. These records may then be printed, viewed on the screen, or browsed and counted. Generally speaking, if a user needs a report on a regular basis, it is worth creating a special report so that the data can be collected and reported at the push of a button (e.g. Case-mix). However, there are many occasions when these standard reports are not what is required. In these cases, we need more flexibility. As always, more flexibility and power mean a little more work and more to learn. The Query Wizard is the result of searching for a good compromise between power/flexibility and ease-of-use.

Objectives

This tutorial will take you, step by step, through the creation of 3 different examples of Queries. Each example will illustrate different ways of filtering out the required data.

At the end of this tutorial you will:

- understand what a query is
- be able to create simple and complex queries
- be able to use the Query procedures built into all cTc Software products (as they all operate in the same way)

General Guidelines

Select *Query Print* from the *Reports* menu. This option will allow you to print the selected records on paper (you may first view them on screen, cancel the print run and even print selected pages only).

Important

If you are using OPAS for the first time you will need to enter some data before following the Query tutorial! Please add 3 or four patients making sure at least one patient has the following clinical data entered:

•	Occlusion:	Class I	(Clinical Tab)
•	Date of Consult:	01/02/1997	(Clinical Tab)
•	Occlusion:	Class II	(Clinical Tab)
•	Occlusion:	Class III	(Clinical Tab)

Query Tutorial I

Query all patients with a Class I Occlusion.

This tutorial will create a simple, single criterion search filter. It will produce a report of all patients with a Class I occlusion.

- 1. Select Query Print from the Reports menu.
- 2. Enter the title of the Query. This will be printed at the top of each page and serves as a reminder of the search criteria. Enter the text: 'Occlusion = Class I'
- 3. Then click on the *OK* button. The Saved Queries browse window will appear. This window will display any previously saved queries. In other words, you may re-use old queries.
- 4. The browse box will be empty if this is the first query you have ever created. Click on the *Insert* button to insert (create) a new query. You will now see the Field Selection browse box. This lists **all** the fields in the Patients file. The fields are in alphabetic order. We wish to locate all patients who have a Class I occlusion. Scroll down the fields list until you locate *Occlusion*. Highlight it by clicking on it once and then click on the *Next* button.
- 5. You will see the Operation Selection window. Click on *Is Equal To* and click on the *Next* button.
- 6. You will see the Value Entry screen. Click on *Class I* and click on *Next*. You have now built up a filter which states: <u>Occlusion Is Equal to Class I</u>. This our filter and only those patients which are actually Class I will be output.
- 7. We have finished entering our search criteria, so click on *Finish*. You are then asked: 'Would you like to save this Query'. Select *Yes* and enter a suitable description of the query. This description will be displayed in the Saved Queries browse box that was displayed early on. Enter: 'Occlusion = Class I'.
- 8. The program will then search through the data files. A progress bar is displayed.

9. Providing there are patients that fulfil the filter criteria, you should see a preview of the report. You can zoom in and out, print the whole report, print selected pages, jump to any page of the report, or just cancel without printing.

You have now completed the first query tutorial.

Query Tutorial II

Query all patients who had their first consult between certain dates

This tutorial will introduce a more complex query. By stipulating 2 criteria we will narrow down the report to patients who had their first consultation *between* 2 dates.

- 1. Select Query Print from the Reports menu.
- 2. Enter the title of the Query. This will be printed at the top of each page and serves as a reminder of the search criteria. Enter the text: 'First consult between 01/01/1997 AND 31/12/1997'
- 3. Then click on the OK button. The Saved Queries browse window will appear.
- 4. Click on the *Insert* button to insert (create) a new query. You will now see the Field Selection browse box. Locate *DateOfConsult*. Highlight it by clicking on it once and then click on the *Next* button.
- 5. You will see the Operation Selection window. Click on Is Greater Than or Equal To' and click on the Next button.
- 6. You will see the Value Entry screen. Enter 01/01/1997 and click on Next. Please ensure to enter the full date, including the slashes, 0's, and <u>four-digit year</u>. You have now built up a filter which states: <u>DateOfConsult Is</u> <u>Greater Than or Equal To 01/01/1997</u>. This will select all those patients whose first consult was after 1/1/1997. We want to add and *additional* criteria which excludes patients seen after the end of 1997. This is an *additional* criterion, so click on the AND button. Once again you will see the Field Selection window.
- 7. Locate the DateOfConsult field again and click on Next.
- 8. Select Is Less Than or Equal To and click on Next.
- 9. Enter 31/12/1997 and click on Next.
- 10. Now the Query states that the Date-of-Consult is on, or after 1/1/97 and before or on, 31/12/97.
- 11. We have finished entering our search criteria, so click on *Finish*. You are then asked: 'Would you like to save this Query'. Select Yes and enter a suitable description of the query. This description will be displayed in the Saved Queries browse box that was displayed early on. Enter: 'First Consult during 1997'.
- 12. The program will then search through the data files and the report previewer will display the appropriate patients

You have now completed the second tutorial.

Tutorial III

Query all patients who have either a Class II div 1, OR a Class II div 2 Occlusion.

This tutorial will introduce the concept of an alternative criterion that may be fulfilled in order to output a patient. The report will list all patients who have either a Class II div 1, OR a Class II div 2 occlusion.

- 1. Select *Query Print* from the *Reports* menu.
- 2. Enter the title of the Query. This will be printed at the top of each page and serves as a reminder of the search criteria. Enter the text: 'Occlusion = Class II div 1 or Class II div 2'.
- 3. Then click on the OK button. The Saved Queries browse window will appear.
- 4. Click on the *Insert* button to insert (create) a new query. You will now see the Field Selection browse box. Locate *Occlusion*. Highlight it by clicking on it once and then click on the *Next* button.
- 5. Select Is Equal To and click on Next.
- 6. In order to enter an *alternative* criterion, click on the OR button.
- 7. Locate Occlusion again. Highlight it by clicking on it once and then click on the Next button.
- 8. Now the Query states that the occlusion is either Class II div1, or class II div 2.
- 9. We have finished entering our search criteria, so click on *Finish*. You are then asked: 'Would you like to save this Query'. Select *Yes* and enter a suitable description of the query.
- 10. The program will then search through the data files and the report previewer will display the appropriate patients

You have now completed the third, and final tutorial.

It is impossible to predict the range of queries users may wish to create in the future. A little practice and logical thought will usually enable you to create the correct search filter. Please remember, the Query does **not** *change* the data, it only *reads* it. This means that you may safely experiment until you achieve the desired result.

Page 17 of 26

Query Select & Count

This query is located on the Patient browse window. By clicking on the Query button, you may select (or add) a specific

query. The appropriate patients will then be displayed in the Browse. At this stage you may edit the records as per normal. You may also count them by clicking on the *Count* button. Click on *Reset* to restore all the patients to the browse.

Appendix V – Report Wizard Tutorial

Report Wizard Tutorial

Introduction

The Report Wizard is a powerful tool, which enables you to design your own report layouts. If a user needs a report on a regular basis, it is worth creating a special report so that the data can be collected and reported at the push of a button (e.g. Case-mix). However, there are many occasions when these standard reports are not what is required. In these cases, we need more flexibility. As always, more flexibility and power means a little more work and more to learn. The Report Wizard is the result of searching for a good compromise between power/flexibility and ease-of-use. The screens you see may look slightly different to the images below, but the differences will be minor.

Objectives

This tutorial will take you, step by step, through the creation of a report.

At the end of this tutorial you will:

- understand how to add fields to a report
- be able to create simple reports with the required sort order.

First...

Select *Query* from the *Reports* menu. Now select *Freeform* from the drop down click box, and click on the *OK* button to view the Custom Reports window. If this is your first report then the list of reports will be empty.

🕮 Custom Reports	X
Report Description by Operator Monthly Waiting List Extract Patients by District Patients Without a Consultant on list Waiting List Alphabetical Order	New <u>C</u> opy <u>M</u> odify <u>R</u> ename <u>D</u> elete
Columns Printed	<u>S</u> elect Close
Operator, Hosp No, Surname, Firstname, Disposal,	Status
Sort Order Operator, Surname, Firstname	

Click on the New button, and enter a title for the report into the small window that appears and click on the OK button.

	User Manual
Modify Report Format (by	Operator)
	Define the Report Column Layout Select from the "Available" fields those fields you wish to print in the report. The fields will be printed from left to right in your report.
 Column Layout Sort Order Grouping Options Report Options Notes 	Available fields: ADB Address 1 Address 2 Address 2 Address 3 Address 3 Address 4 Ant X-bite Case Type 1 Case Type 3 Consultant Crowding Date of Consult Date of Referral Date of Referral Date of W/L Deferred Start Date Department
	< Back Next > OK Cancel

Locate and select the fields on the left hand side and click on the *Add* button for each one to copy it to the right hand side. The left side displays the available fields, the right side displays the fields you have selected. Use the up and down arrow below the right side list box to arrange the order of the fields. The *Advanced* button enables you to stipulate the column widths and headings.

Modify Report Format (by	Operator)
	Select a Sort Order for the Report You may select from a list of predefined sort orders or create your own custom sort order. Custom sort orders allow you to choose up to four levels of sorting in either ascending or descending order. Custom sort orders can slow down the sorting operation.
 Column Layout Sort Order Grouping Options Report Options Notes 	 Use the Default Sort Order Select a Predefined Sort Order (fastest) Define Your Own Dustom Sort Order (slowest) Define Sort Order Sort Order Operator, Surname, Firstname
	< Back Next > OK Cancel

Select the sort order you require. In this case we want the patients to be listed in surname order. You can define your own sort order – ie list them in any order you wish – *very* powerful!

	Group Heading an You may choose to create group breaks selected sort order. Group breaks are co record counts, and starting a new page f	mmonly used for displaying subtotals,
	Eirst Break Level	Second Break Level
	Operator Operator Display Identifier in Heading	Surname
	Use Alternate Indentifier	Use Alternate Indentifier
Column Layout	Display Identifier in Footing	Display Identifier in Footing Use Alternate Indentifier
Sort Order	Group Totals / Averages	Group Totals / Averages
Grouping Options	New Page After Group	New Page After Group
Report Options	Group Record Count	Group Record Count
Notes	Bollup Report (Suppress Report I	Detail Rows)

Finally, decide if you want there to be group headers. In this case we don't want any. Click on the *Next* button.

Modify Report Format (by Operator)		
	Select Options for the Report You may select various options to change the look and features of your custom report. Change the report font, color, or paper orientation. You may also choose to display end of report Grand Totals / Averages or Grand Total Count.	
	Report Attributes Orientation: <u>Automatic</u> Orortrait Candscape Font default font (default style and pt. size)	
 Column Layout Sort Order Grouping Options Report Options Notes 	End of Report Options Grand Totals / Averages Grand Total Record Count	
	< Back Next > OK Cancel	

Click on the Next button.

Modify Report Format (by Operator)		
	Notes for this Report You may enter notes up to 255 characters long to describe this report or any information that you might find useful to associate with this report. Notes are accessible from the list of reports, extended display, or information button.	
 Column Layout Sort Order Grouping Options Report Options Notes 	Notes	
	< Back Next > OK Cancel	

You may now enter some notes describing this report (optional). Click on the *Next* button.

Click on the OK button and you will be returned to the Custom Reports window.

🕮 Custom Reports	×	
Report Description	<u>N</u> ew	
Monthly Waiting List Extract Patients by District	<u>С</u> ору	
Patients Without a Consultant on list Waiting List Alphabetical Order	Modify	
	<u>R</u> ename	
	<u>D</u> elete	
	Select	
	Close	
Columns Printed		
Operator, Hosp No, Surname, Firstname, Disposal, Status		
Sort Order		
Operator, Surname, Firstname		

Click on the report you have just created and then click on the *Select* button to see the *Saved Queries* window, which allows you to select which records to print. The report will then run and will be visible in the report previewer.

Appendix VI

Network Configuration

OPAS is a multi-user application; however, extra licenses must be purchased for each client on the network. The licensing system works by limiting the number of users that may access the data *at the same time* to the number of licenses purchased. You may install shortcuts on as many computers as you wish.

The system uses optimistic concurrency checking. In other words, if a user edits a record but then does not save the changes, and another user edits the same record and saves the changes, the first user will receive a warning when trying to save the data. The warning will state that 'this data has been altered by another user'. The user then has the choice of overwriting the data, or cancelling his changes (recommended) and starting again.

Network Set-up

In a multi-user environment there are two aspects of OPAS configuration:

- Programme Installation
- Word Processing set-up

Programme Installation

When configuring OPAS for network use it is essential that the application remain on the server as well as the data (in the same folder). The clients need only have shortcuts (or Start menu options) 'pointing' to the application on the server.

On the Server

- Install OPAS and register for the appropriate number of user licenses
- Share the OPAS folder on the server

On the Client Computers

- Map the shared OPAS folder on the server onto a drive letter (eg S:
- Create a shortcut which runs 'S:\OPAS.EXE
- Make sure the shortcut Starts in the mapped drive letter

Cmd line:	S:\OPAS.EXE
<u>W</u> orking:	S:

Word Processing (Mail Merge) Set-up

Before starting Microsoft Word, OPAS creates a comma separated value file named *PATIENTS.DTA* which is placed into the TEMP folder within the Local Settings folder under the Documents and Settings user folder.

Eg: C:\Documents and Settings\<username>\Local Settings\Temp\patients.dta

This file then becomes the data-source of the merge document loaded by Microsoft Word.

If the system reports an error, then this is usually due to one of the following reasons:

- 1. Another mail-merge document is already open. Only one document can be open at any one time. Please close the merge document as soon as it is has been printed, before loading the next document.
- 2. The may by a permissions problem that is preventing the creation of the CSV data source needed by Word.

Appendix VII

Mail merge and Word Processing Troubleshooting

Please note: You must be using Microsoft Word from Office 2000 or later.

From version 5.0 onwards OPAS uses Microsoft Word for its mail merge word processing. This enables the user to work in a familiar environment and harness the full power of Word.

OPAS does this by creating a comma separated value file that is placed in the client computer's Windows folder. Word is then controlled using OLE so that the document is connected to the data source.

OPAS manages its own file names for each document so that the user can enter their own descriptions of the letters.

The following conditions are essential for it to work.

- Each client on the network must have its own copy of Word. (Office 2000 or later)
- The mail-merge data source that Word connects to is named:

</col>
</col>
<Col>
Colored

</

Check to see that this file is present when troubleshooting.

If the system reports an error then this is usually due to one of the following reasons:

- 3. Another mail-merge document is already open. Only one document can be open at any one time. Please close the merge document as soon as it is has been printed, before loading the next document.
- 4. The may by a permissions problem that is preventing the creation of the CSV data source needed by Word.

Appendix VIII

Direct PAS Link

As of March 2002, OPAS now has the capability of reading patient demographic data directly from the hospital PAS providing the two applications have been configured correctly. Please ask your IT department to contact Mark Shupac at cTc Software for further information.

The PAS link works as follows:

cTc Software develops a small application that acts as an 'intermediary' between the hospital system and OPAS. A single

patient record can be retrieved from the hospital PAS by clicking on the <u>22</u> (Search) button and the demographic data is then merged into the OPAS data. This means that the data is held in OPAS as well as on the PAS but this enables those users that do not have a link to use OPAS as-is.

The link application is custom made for each hospital and relies on calling a stored procedure on a hospital server using ODBC as its interface. The stored procedure should return the desired patient record based on the Hospital Number. The procedure *may* also be able to import GMP, GDP and Referrer data depending on what information is available from the single hospital PAS system.

The data is moved from the link application into OPAS via an INI file (PASLink.INI) which is in the OPAS folder. This 'loose' link has its benefits:

- The main OPAS application does not need any customisation and therefore remains cost-effective.
- The link application is small and inexpensive to customise.

The Utilities Menu in the main OPAS application has a menu option named: 'Configure PAS Direct Link'. This option stores the location of the intermediate link application for OPAS to run, and tick boxes to indicate whether the import of GMP, GDP and Referrers data is supported by the customised PAS link application. This must be configured *once* only.

Please contact cTc Software for further information.

Appendix IX

cTc Software User License Agreement

Introduction

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