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Innovative Software Solutions for Pharmacy



Pharmsoft Limited is proud to present **Medi-Connect Reporter**: a software package that allows hospitals to realise the full potential of the Pyxis Medstation system by making the information collected usable and accessible.

Medi-Connect Reporter is a powerful and easy to use software package with a highly flexible query tool as well as a range of built in reports. This makes the extraction of data and reports a breeze; there is no longer any need to understand the complex underlying database structure.

The Pyxis system stores a maximum of 31 days of transaction history before it is archived. Once this occurs, a third party reporting application is required to access the data. Medi-Connect Reporter makes this process seamless by automatically archiving every transaction to a SQL database server hosted within your organisation.

The powerful query builder then allows you to retrieve any of this information quickly and efficiently through a simple, plain English user interface. With minimal training, users can retrieve information on almost any aspect of the Pyxis system – for example:

- **Has a ward / department been performing their weekly controlled drug check and what reasons have they entered to resolve discrepancies?**
- **How many discrepancies involving controlled drugs are not being resolved before they are archived and 'disappear' from the system after 31 days?**
- **What removals of selected medicines have occurred in the last 12 months –**
 - all removals of Omeprazole capsules and injection
 - all removals of antidotes (e.g. flumazenil, glucagon, naloxone)
 - all removals of unfractionated or low-molecular weight heparins
 - all removals of unregistered medicines to report to a regulatory body

Medi-Connect Reporter removes the problem of having only a single month of history readily accessible and instead puts as much history as you choose to store at your fingertips.

In addition to the query builder, there are many standard reports that have been designed to allow you to manage the system in a more efficient way. Using these, you can easily:

- Determine the usage of each medication stored in Pyxis Medstations compared against the Max, Min & Current levels. This allows system administrators to quickly determine levels that need to be changed and medications that may need to be removed.
- View responses entered for Clinical Data Categories, transaction volumes by Medstation, transactions volumes by user, unresolved discrepancies and removals for selected patients.
- Generate paper based reports that list all Controlled Drug transactions, provide summaries of resolved and unresolved discrepancies, and analyse trends relating to override transactions.

PYXIS MEDSTATION TRANSACTION REPORTING

1. Output Fields:

Date of Transaction
Medstation
Transaction Type
Patient ID (NHI)
Patient Name
Medication Name
Quantity
User Name

Select Default

2. Medstation(s):

ALL MEDSTATIONS

Select Include ALL

3. Select the Medication(s) from the List:

CEFUROXIME 750MG vial
CEFTAZIDIME 1G vial
AZTREONAM 1G injection
AMOXICILLIN/CLAVULANIC ACID 1.2G injection
CEFOXITIN 1G injection
CEFOTAXIME 1G vial
CEFTRIAZONE 1G injection
CEFAZOLIN 1G vial

Select Include ALL

4. Transaction Types:

INVENTORIED
LOADED
OUTDATED
REFILLED
REMOVED
RETURNED

Select Default

5. Add up to FOUR additional Criteria:

Criteria 1 Nursing Unit LIKE Ward 3 Clear
Criteria 2 Clear
Criteria 3 Clear
Criteria 4 Clear

Date From: 01/09/08 Date To: 31/12/08

Save

View Data

Close

Medi-Connect Reporter's powerful Query Builder which allows users to select any combination of fields, Medstations, Medications, Transaction types and many other criteria to retrieve the required information.

- Stable, supported Microsoft architecture; Medi-Connect Reporter runs on a SQL Server 2000 database and is accessed via a Microsoft Access 2003 Client. All data is stored on the SQL server; the client software provides the user interface.
- Medi-Connect Reporter supports unlimited users with secure access (username & password); is multi-site capable, and will manage an unlimited number of Pyxis Medstations.

Date	Medication	Discr_Description
13/09/08 12:31:46 a.m.	ZOPICLONE 7.5MG tablet	Expected 39, Found 59
14/09/08 8:40:11 a.m.	CODEINE PHOSPHATE 30MG tablet	Expected 44, Found 43
17/09/08 2:34:24 p.m.	MORPHINE SULPHATE (Sevredol) 10MG tablet	Expected 17, Found 16
19/09/08 5:14:19 p.m.	MORPHINE SULPHATE (Sevredol) 20MG tablet	Expected 3, Found 4
20/09/08 8:37:37 a.m.	MORPHINE SULPHATE (Sevredol) 20MG tablet	Expected 26, Found 27
20/09/08 8:49:07 a.m.	CODEINE PHOSPHATE 30MG tablet	Expected 19, Found 20
20/09/08 8:04:54 p.m.	CODEINE PHOSPHATE 30MG tablet	Expected 15, Found 16
23/09/08 6:44:32 p.m.	MORPHINE SULPHATE SR (M-Eslon) 10MG capsule	Expected 135, Found 134
25/09/08 3:04:23 p.m.	MORPHINE SULPHATE (1mg/ml) 10MG / 10ml syringe	Expected 13, Found 14
26/09/08 9:03:55 a.m.	CODEINE PHOSPHATE 30MG tablet	Expected 13, Found 14
28/09/08 11:55:04 p.m.	MORPHINE SULPHATE (Sevredol) 20MG tablet	Expected 6, Found 7
30/09/08 8:03:29 p.m.	TRIAZOLAM 125MICROGRAM tablet	Expected 39, Found 40
01/10/08 1:27:34 a.m.	CODEINE PHOSPHATE 30MG tablet	Expected 35, Found 45
03/10/08 7:15:06 a.m.	MORPHINE SULPHATE (Sevredol) 20MG tablet	Expected 28, Found 29
12/10/08 10:12:50 a.m.	MORPHINE SULPHATE (Sevredol) 20MG tablet	Expected 10, Found 20
14/11/08 12:10:53 p.m.	OXYCODONE (OXYNORM) 5MG capsule	Expected 25, Found 24
Discr_Resolution	Discr_UserName	
counted wrong strips changed 10 to 15	FIELD, Sally	
2 REMOVED AT PRIOR ENTRY	DAVIES, Catherine	
drawer closed before removal of tablet	PETTERSSON, Naomi	
NONE REMOVED AT PRIOR ENTRY	RYAN, DAVID	
ONE TABLET ONLY REMOVED AT PREVIOUS ENTRY	ANDERSON, Peter	
ONE TAB REMOVED ONLY PREVIOUS ENTRY	BROWN, Margaret	
ONE TAB REMOVED	JOHNSON, Heather	
Removed 2 caps (20mg) but only 1 recorded in pyxis.	MATTHEWS, John	
NO TABS REMOVED. DRAW OPENED IN ERROR	ROBINSON, Sally	
ONLY ONE TAB REMOVED	BRINKLE, Sarah	
NO TAB REMOVED	JENKINS, Nicole	
EXPECTED 41 FOUND 40 REMOVED 2 LEAVING 38 TABS DISCREP PRIOR	RYAN, Gordon	
WRONG COUNT	GARDENER, Pat	
WRONG COUNT FM PREV DISPENSE	PETTERSSON, Naomi	
TWO SEVERDOL POTTLES IN DRAWER WHEN OPENED, NOT ONE AS STATE	MATTHEWS, John	
2 REMOVED BY ACCIDENT, 1 WASTED. PHCIST WITNESSED.	ROGERS, Gwen	

Example of a Discrepancy Resolution Reasons query

Pyxis Medstation Contents vs Usage Report

This report shows the contents for the selected Medstations with the total of the Maximum & Minimum levels in ALL Medstations. The aggregated usage from ALL selected Medstations is then shown in decreasing order in the far right hand column. This report is useful when determining the levels in Medstations that need to be increased or decreased.

Date Range Included in Report:
01/01/08 to 31/12/08

Pyxis Machines selected to use the Contents & Levels from:
W5, W6, W7, W8

Pyxis Machines selected to use the Usage from:
W5, W6, W7, W8

Med ID:	Medication Name:	Max:	Min:	# Trans:	Usage:
PHV070	PARACETAMOL 500MG tablet	4800	1200	15771	34377
PHM839	DOCUSATE & SENNA tablet	800	200	3516	6922
PHS867	TRAMADOL 50MG capsule	720	360	4099	6484
INJ050	FLUCLOXACILLIN 1G injection	490	190	2563	4758
PHS283	POTASSIUM CHLORIDE SR 600MG tablet	800	350	2021	4024
PHA495	ASPIRIN ENTERIC COATED 100MG tablet	448	150	3941	3944
PHS137	MORPHINE SULPHATE SR (M-Eston) 10MG capsule	320	140	2579	3784
INU031	CEFUROXIME 750MG vial	345	150	3524	3583
PHQ296	FRUSEMIDE (FUROSEMIDE) 40MG tablet	4000	400	2426	3224
PHC092	OMEPRAZOLE 20MG capsule	660	220	3107	3172
KEYS	KEYS (SAFE KEYS) each	39996	4	3060	3128
PHS884	BENZYLPENICILLIN (IMU) 600MG vial	440	150	1329	3007

Example of a report showing Medstation levels vs usage

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