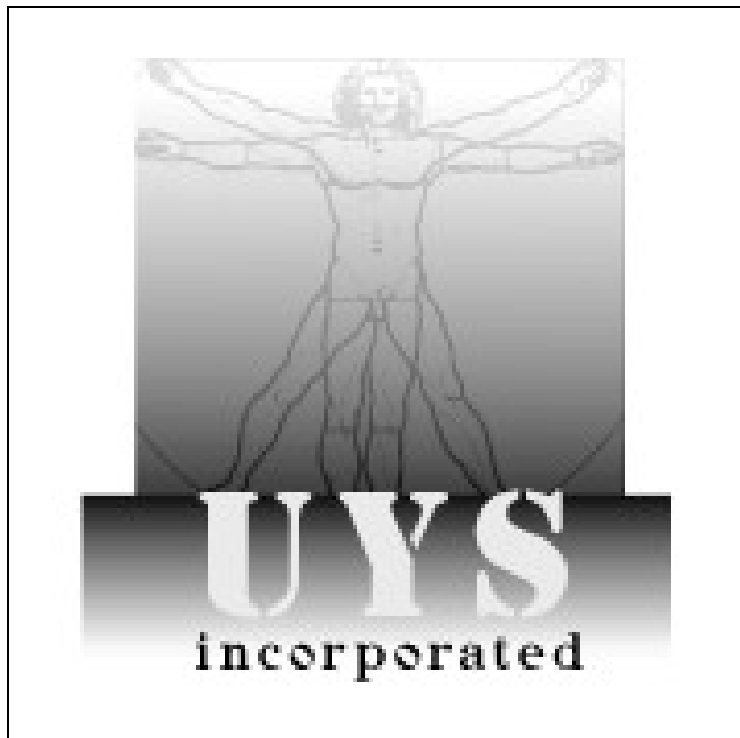


Protocol Schedule Manager



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Protocol Schedule Manager

Objective

To provide a comprehensive tool to facilitate and manage the inevitable and necessary changes in absolute schedules relative to an overlying set of orders or Protocol.

Background

Protocols are groups of complimentary orders used to plan, organize, and evaluate patient care. Many of the individual orders within a Protocol use schedules that employ frequencies requiring absolute due times (i.e. 08:00, 22:30 or 03:00PM). Series 7000 release 3.0 and later *does* permit relative start dates and times, however scheduled medications require frequencies using absolute due times; schedules that are also used to schedule non-medication orders. In order to be effective, and effectively executed, many Protocols require that the orders be carried out and items administered following a rigid schedule and sequence of events.

Problem

Protocol orders often have due times that are relative to a preceding event, such as the start time of the protocol which may itself be a dynamic event: "Begin protocol X after WBC results received from Lab". Once a Protocol and its components are initiated and scheduled, Series 7000 *does not* have the functionality to permit a user to globally change absolute due times (for example, to delay all future medications doses by 2 hours). To further compound the problem, clinicians cannot always predict when a protocol will be initiated and once initiated any number of mitigating circumstances can result in the need to delay the entire protocol or any remaining orders and / or doses. *This means that a change in start times or a delay in therapy results in the need for a user to individually adjust the administration time of all subsequent orders.*

Due to these shortcomings many facilities elect to assign miscellaneous schedules to ordered protocols, which introduces an entire different set of issues. Not using "interpretive schedules" within Series 7000 means that the clinicians become responsible for managing the execution of the orders within a protocol manually, since when using miscellaneous schedule the system can no longer provide the schedule management.

Solution

The UYS Protocol Schedule Manager assists in the management of all orders within a Protocol, providing the capability to globally adjust administration times of Protocols. This Tool saves valuable clinician time, improves response and decreases errors with increased accuracy and eliminating potential omissions.

Overview

Using the same technology that permits external systems to update patient records using interface transactions, the Protocol Schedule Manager provides users with a powerful tool to manage the dynamic nature of Protocol schedules. Making a single entry, the tool enables users to manage Protocols orders by performing the following functions:

1. Using absolute schedules, schedules an entire set of orders (Protocol) relative to a user entered start date and time **or activation date and time of a Protocol originally entered as suspended.**
2. Adjusts the schedules of an entire set of orders relative to a single adjustment entered by a user.
3. Reschedules all uncharted doses relative to a single schedule adjustment entered by a user.

When coupled with UYS' Protocol Order Initiator for entry of Protocol orders and the Personal Order Set (POS) Maintenance Tool for simple maintenance of Protocols constructed using Personal Order Sets, the Protocol Schedule Manager becomes an invaluable assets to Series 7000.

Implementation Effort

The entire implementation effort requires less than a week, and is performed on a time and materials basis. While UYS does not require on-site activation support for this module, on-site support can be arranged.

Assets

The following is a list of the assets that are included with the UYS POS Maintenance Tool:

- **Consulting Support**
One of UYS' Consultant will work with your IS staff in the installation of the Tool. Once installed, the Consultant will provided hands on training sessions to familiarize your staff with the Tool and its use. *The entire installation and training typically requires less than one week.*
- **Report Format Tables**
The Report Format Table (RFT) is the tool used to read and extract data from the Series 7000 proprietary database.
- **Parsers**
Parsers are used to read external data and update the Series 7000 database.
- **Interface Engine**
If your site uses OpenHUB (STC DataGate) or e*Gate, UYS will provide the code necessary for identifying and structuring the messages that will eventually be used to modify order administration times. The UYS consultant can perform the coding necessary if this is requested.

- **Job Control Language**
Sample JCL is provided for running the Protocol Schedule Manager as a foreground to background job. The UYS consultant will work with your technical staff to customize the JCL for your site.
- **Matrices**
The matrices for users to make schedule adjustment requests to the Protocol Schedule Manager on-line are provided and relocated to your matrix pack.
- **Work Plan**
A Microsoft Access based work plan for implementing the Protocol Schedule Manager.
- **POS Maintenance Tool User's Guide**
A Portable Document Format (PDF) format User's Guide targeted at analysts and the coding necessary to facilitate the Tool.

About UYS

UYS is a leading Healthcare Information Technology consulting company dedicated to providing solutions to assist healthcare enterprises in optimizing clinical, patient management and financial systems. We accomplish this by providing Technical Consultants that possess unsurpassed knowledge and experience of the systems they support. We take pride in understanding the needs of our clients and the potential of the systems that we support. Our mission is to provide quality consulting, together with unique solutions for today's healthcare challenges.