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**CHRISTIANSTEVEN**

## Innovating healthcare data delivery

### How NHS Trusts use CRD to improve care, save time & money

For over 10 years, CRD from ChristianSteven Software has enabled over 25 JAC NHS sites using Crystal Reports to schedule, run and distribute essential information.

CRD mobilises your rapidly-changing data, immediately initiating reports using event-based, data-driven or time-based scheduling. It fires them in any format (email, Excel, SMS texts, etc.) to those who need it.

“**We could not meet our still-growing demand for reports without CRD & it's probably one of the best investments we've ever made.**”

**Derek Swanson** - Deputy Director of Pharmacy,  
Royal Liverpool & Broadgreen University Hospitals NHS Trust



from ChristianSteven  
Software delivers the



**right  
information**



to the  
**right people**



at the  
**right time**

## Aintree University Hospital NHS Foundation Trust

### Joe Bilsborough, Pharmacy Department,

uses CRD for EPMA reports, emailing missed dose reports each morning to all matrons, ward managers, staff nurses and clinical leads for the previous day's drug administrations. As a result, missed doses have decreased by over 50% and this is clearly a benefit to patients.

CRD is also used by Joe for many drug prescribing and administration audits, and it automatically emails non-wholesaler orders to over 80 suppliers, saving admin time including the need to manually fax orders.

“Using CRD has a direct effect on patient clinical care.”

## University Hospitals of Morecambe Bay NHS Foundation Trust

### Elaine Caslin, Pharmacy Operations & Systems Manager,

uses CRD to distribute both financial and operational reports. In addition to reporting on suppliers' lead times, CRD supports PbR reimbursements of excluded medicines for recharge to CCGs. This saves time and also ensures all reimbursements are collected.

The wide-ranging benefits of flexible report scheduling are especially apparent at the financial year end when it's possible to schedule reports for any date pattern. Elaine believes CRD has led to

significant Trust-wide benefits, in turn contributing to the Trust's cost improvement programme. She also states that “the use of CRD is as broad as your imagination”.

“Investing in CRD reduced month-end work-load from around a week to one hour maximum!

*We would need to appoint another full-time analyst if we did not have this amazing software. This means that CRD has already paid for itself several times over.*”



CRD® is a dynamic, flexible, function-rich and intuitive Crystal Reports automation tool for scheduling, exporting, distributing and delivering Crystal Reports outputs. CRD contains Dynamic report population, Data Driven Reports, Event Driven Crystal Reports as well as robust system, event and process automation functions which will make an instant impact on the efficiency of your business. The merging of Business Process Automation and mass Crystal Reports Distribution makes CRD unparalleled as a unified Business Management Solution.

## The Royal Liverpool and Broadgreen University Hospitals NHS Trust

### Derek Swanson, Deputy Director of Pharmacy,

has been using CRD since 2003, now with an impressive 106 live CRD schedules for daily, weekly and monthly reporting. Although mainly JAC-related, there are also reports into their robot database (Swisslog Pack-Picker) and a home-grown MS Access-based TTO tracker.

Responding to a request from a group of research nurses who needed to identify certain new in-patient prescriptions, Derek also recently set up EPMA reports. These fairly simple reports have transformed the research nurses' daily routine since they are now presented with their “target” patients rather than having to hunt them down.

Derek explains that the Trust's many CRD reports are distributed to large groups of people, providing significant value and cover the following varied categories.

- Medicine/directorate-specific “TOP X” reports on medicines spend
- Patient-level PBR excluded medicines for recharge to PCT
- Medicines purchasing & supply statistics *(these report net values for quantity & spend)*
- External sales via the TRADE program - detailed customer-specific invoices
- Hourly robot stock snapshots with pack-specific grid reference as a contingency for server failure
- IMS and SCEP reports
- KPIs - TTO turnaround, invoice turnaround, etc.
- “Special medicines” surveillance, reporting new prescriptions in EPMA and patient-specific medicines supply
- On-going & ad-hoc audits - CDs & additional stock supplies at weekends by ward, and certain dispensing errors
- TTO-receipt-in-pharmacy data by patient & ward for the Trust
- Patient Throughput Team for predicting bed availability

## christiansteven

ChristianSteven Software delivers advanced Business Intelligence (BI) solutions that solve mission-critical large enterprise needs and includes reporting, distribution, scheduling, dashboards, KPIs and automating business processes.

Information and insight are delivered intelligently to all stakeholders including management, employees, partners and customers. Our solutions aim to unleash the power of your data and transform the way you do business.

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