



CBS/ORBCoN
Spring Symposium
April 13th ,2013

Conflict of Interest

- None to declare



Databases versus Data

- "database" refers to the data itself and supporting [data structures](#)

My favourite Dilbert cartoon:



Agenda

- Progesa
- SAP
- SMS
- Trace Line
- BI Warehouse
- Master Data Governance



Progesa

- Developed by MAK Systems Corp (MAK) France
- Implemented March 2003-February 2004
- Regulated by Health Canada
- Blood system software for donor and donation management
 - Tracks blood from collection of the donor through to disposition in the hospital
 - Manages the suitability of donors who donate blood
 - Manages the release of components in tested inventory
 - Prevents non conforming units being issued to hospital customers
- Data is extracted from Progesa 1x/day @ 3am.





Progesa Upgrade?

- CBS is planning to upgrade from PROGESA 4.4f+ platform to ePROGESA 5.0.3, targeting November 2013 implementation
 - The PROGESA 4.4 platform is at end of life and all vendor development is occurring in ePROGESA
 - Future developments of the 4.4f PROGESA platform by MAK will be restricted to safety critical changes only
 - The new web based ePROGESA platform will create the foundation for further enhancements and opportunities for supply chain optimization through enhanced automation

ePROGESA Technical Overview

- ePROGESA introduces an entirely new infrastructure to CBS in both its software and hardware architecture.
- Management of ePROGESA within IT requires a more diversified skillset than is currently required with PROGESA .

Item	PROGESA	ePROGESA
Database	Pro5 Flat File Database	Oracle RDBMS
Web Application Server	None	IBM WebSphere Application Server ND
User Connection	MyExtra / Internet Explorer	Citrix XenApp / Java Web Start
User Interface	Ansico Terminal Emulation	HTML Forms

eProgesa

- Web technology
- Modular
- More flexible allowing data extraction at any time
- Compatibility with PDA devices
- PDA Solution to capture phlebotomy information
- Interface with component preparation devices
- Bacterial device interface
- Hospital web based order management (HWBO)
- Equipment management



Who is using ePROGESA?

ePROGESA Successfully Implemented

- Australian Red Cross Blood Service (ARCBS)
- Scottish National Blood Transfusion Service (SNBTS)
- New York Blood Centre
- Sanquin (Netherlands)
- Finland
- New Zealand Blood Service (NZBS)
- Hungary
- Spain
- Belgium
- Germany
- Brazil
- Rwanda
- Burundi
- Austria
- Trinidad & Tobago
- Maritius
- Switzerland
- Serbia
- Singapore

Actively moving to ePROGESA implementation

- American Red Cross (ARC)
- Florida Blood Services
- Blood Systems Inc. – Arizona
- Héma-Québec



SAP (Business Management Software Solutions)

- Modular based
- Enterprise Resource Management (ECC) central component
 - Inventory Management of PPP
 - Shipping of PPP
 - Human Resources/Payroll
 - Manages consumable(s)
- Customer Relationship Management (CRM)
 - Appointment Management System for blood donors
 - Stem Cells



Descartes Shipping Management System

- Software
- Chain of custody and proof of delivery
- Hospital Shipments of PPP are downloaded from SAP into the SMS
- Delivery information, time , routes and drop offs can be uploaded into SAP
- Extracted from SAP into the BI Warehouse



Transfusion Services/MAK

- Trace Line - MAK Systems
- CBS provides Diagnostic Services testing (Manitoba, Alberta, BC)
- Acts as a Lab Information System (LIS) for hospitals
- Hospitals can then implement electronic crossmatch



Web Pages

- Hospital profile used by CBS HLS
- Developing a web page for Hospital Disposition Reporting which will be available to hospitals from the web



Business Intelligence Warehouse

- IBM Cognos software
- Data from Progesa, SAP, Trace Line is all transferred into the BI Warehouse
- Business Analytics
- Hospital Disposition Reporting
- Distribution Trend Reports
- Hospital Profiles, Contacts, Data integrity Reports



Master Data Governance



Data Quality Management

- Data Profiling – accurate data following business standards
- Data Cleansing – analysis of data with business standards across IT systems
- Data Monitoring – continuously monitoring of data



Questions

