BloodTrack® Software

National Haemovigilance Office Conference
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Disclosure information

- **Conference Name:** National Haemovigilance Conference
- **Speaker:** Mike Lukas
- **I have the following relationship(s) to disclose:**
  - Director of Global Business Development at Haemonetics Corporation

Agenda

- What is the BloodTrack® software system
- Where is BloodTrack used today
- What are key factors to achieve success with BloodTrack
- How is BloodTrack currently used in Ireland
- What benefits have been realized in Ireland
- What else can BloodTrack do
- What comes next

What is the BloodTrack® software system?

- A point-of-care blood management system that combines hardware and software with a simple guided workflow that was designed to:
  - Enhance patient safety by electronically verifying the right blood is transfused to the right patient
  - Reduce waste by tracking blood location, monitoring status and facilitating movement of blood to ensure that it gets used in a timely fashion
  - Improve efficiency and reduce workload though more effective utilization of blood inventory
  - Reduce time to access blood by storing blood closer to the point-of-care
  - Maintain compliance by electronically tracking all activities and promoting standardization of transfusion practice

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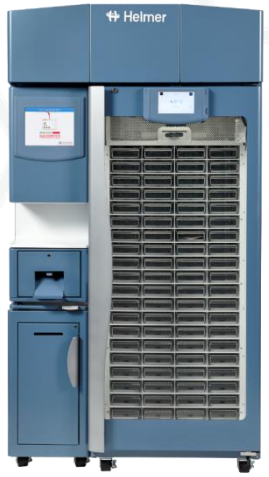
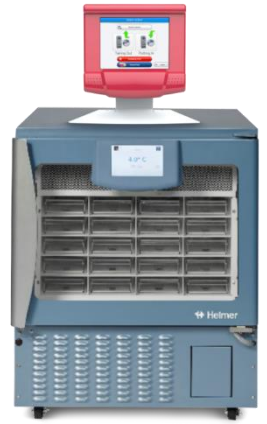
BloodTrack® software – Extend visibility to the point-of-care

A modular suite of blood management and bedside transfusion solutions:

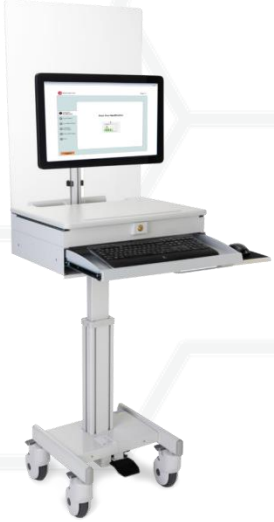


BloodTrack® HaemoBank® 80
Blood Storage Device



BloodTrack® HaemoBank® 20
Blood Storage Device

BloodTrack Tx®



BloodTrack Tx®

BloodTrack® Crossmatched Blood Management
BloodTrack Courier®

Surgery/ ICU

BloodTrack Just-in-time Blood Management
BloodTrack OnDemand®

Infusion/ L&D

Nursing Station

Clinical Transfusion Workflow
BloodTrack® Enquiry

Bedside Sample Collection
BloodTrack Tx®

Patient Bedside

SafeTrace Tx® Transfusion Management Solution

BloodTrack Manager®

Blood Bank

Patient Bedside

Bedside Transfusion Verification
BloodTrack Tx®

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Where is the BloodTrack® software solution used?

- The first BloodTrack system was installed in 2001 in the United Kingdom
- 20 years later, BloodTrack is now used in over 500 hospitals across 14 countries:
  - Ireland, England, Italy, Denmark, The Netherlands, Belgium, Sweden, Saudi Arabia, Kuwait, United Arab Emirates, Australia, United States, Canada
- Many of the largest, most well known healthcare institutions, including 11 of the top 20 US hospitals[1] rely on BloodTrack to maintain traceability of their hospital's blood supply chain:
  - Oxford University (UK)
  - Cleveland Clinic (US, UK, UAE)
  - John Hopkins (US)
  - Mayo Clinic (US, UAE)

[1] According to U.S. News & World Report: Best Hospitals 2021-22 Honor Roll

Key factors for success with BloodTrack® software

- BloodTrack is not a science or diagnostic based product
- BloodTrack is largely a process based product
  - By following a simple and consistent process, transfusion errors can be reduced
- Compliance tends to be high because the process is easy to follow
- In many situations, BloodTrack is unable to physically force you to follow the process
- If you do not follow the process, there may be a significant increase in risk of error that may lead to patient harm

YOU are the most important part of a successful transfusion

Your commitment to following your training and following the BloodTrack process is the best way to ensure a positive outcome

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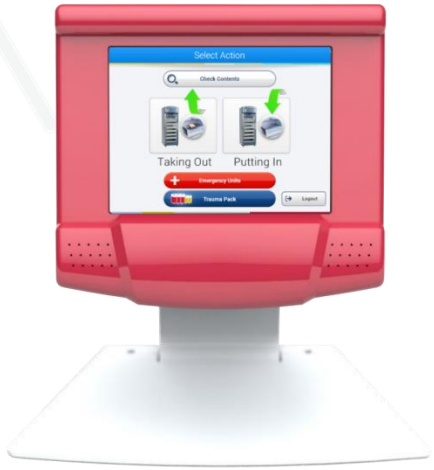
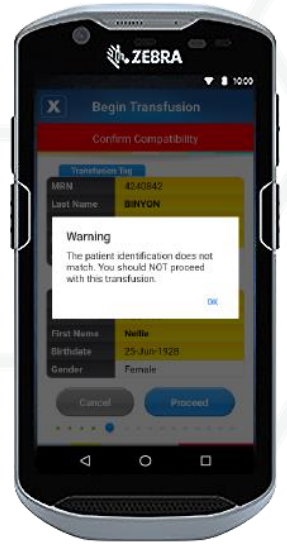
How is BloodTrack® software used in Ireland?

- Each hospital has at least one BloodTrack managed blood storage device.
- Each hospital has many handheld devices and mobile printers
- As samples are drawn, BloodTrack prints labels which are applied to specimen tubes
- After blood products are prepared and labelled for patients they are stored in BloodTrack managed devices for retrieval
- Blood Product pickup slips are printed after scanning a patient wristband and used to retrieve blood from a refrigerator
- BloodTrack handhelds are used at the patient bedside to confirm a match between blood unit and patient prior to infusion





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What benefits have been realized in Ireland?

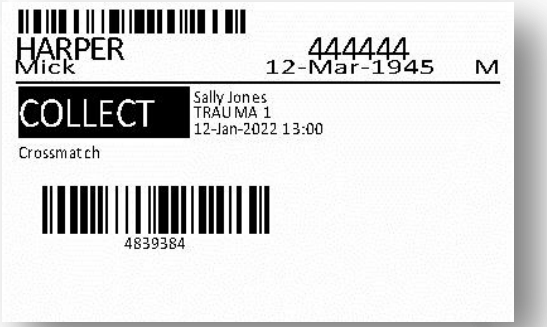
Since 2010, BloodTrack® software in conjunction with other operational practice improvements that are part of the blood stock management programme have led to:

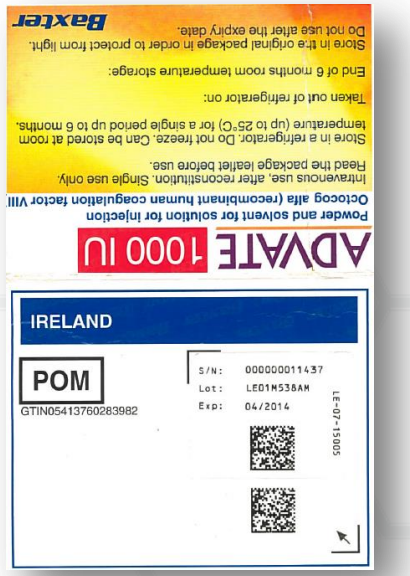
- Increased compliance and efficiency
- Reduction in the number of RBC orders from 139,000 to 110,000 units per annum[1]
- Reduction in outdating rate to 0.5% per annum[1]
- Rerouting of 5,000 RBC units and 1,000 platelet units per annum[1]
- Savings of €2 million per annum[1]

[1]McEvoy C. Electronic Blood Tracking System. (Case Study) Dublin, Feidhmeannacht na Seirbhíse Sláinte (Health Service Executive), 2015.

What else can BloodTrack® software do?

- Specimen collection lists with patient locations, tube colours and test types
- Specimen tube labels with barcoded accession numbers
- Access to emergency blood based on patient Age and Gender
- Access to packs of blood (mix of products) for massive hemorrhage
- Remote Electronic Issue, electronic crossmatching and labelling of blood at the blood storage device
- Scanning of GS1 2D barcodes on plasma derivatives





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What comes next?

- Upgrade of the national system to the latest version of BloodTrack® software
  - Provides the framework for introducing new BloodTrack features
- Expanded deployment of the BloodTrack HaemoBank® blood storage device
  - More sophisticated self service access to blood closer to the point-of-care
- Deployment of the Cerner® MedLIS system
  - Common medical laboratory information system with support for advanced BloodTrack functionality

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Questions

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Thank you

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