

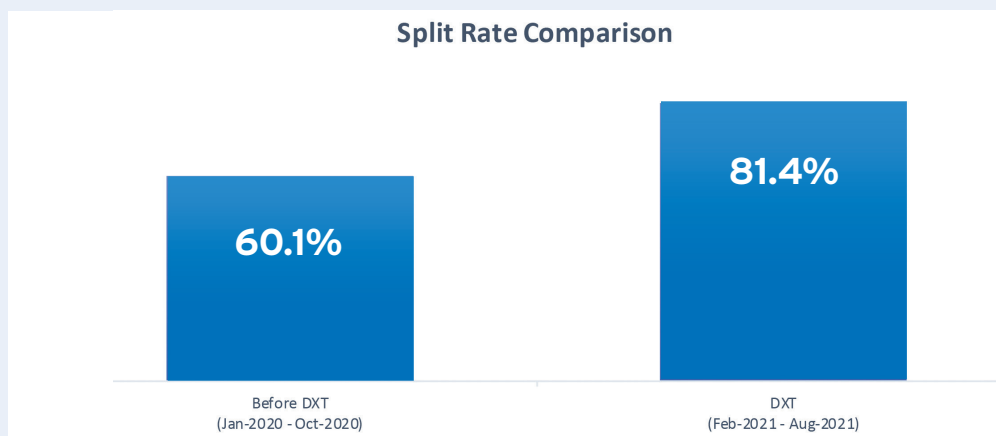
DXT[®] Data Management System

Case Study

MEDIC Regional Blood Center collects more platelets per procedure with DXT Donor Optimizer

Improved collection productivity with procedure optimization and donor history tools

The use of DXT Donor Optimizer to support Amicus[®] Separator collections increased platelet products per procedure. The platelet split rate increased from 60.1% to 81.4% in 2021 with the use of DXT Donor Optimizer.¹ The split rate remained above 80% for four of the seven months during 2021.



Over 20%
split rate increase

DXT
Move Efficiency
Forward

Productivity and optimization with automated workflow

Background

Our blood center provides an economical supply of blood products to our region. To satisfy this goal, we focused on increasing the number of platelet products per procedure, improving operational efficiency, and decreasing the number of product imports from other sources. We decided to implement the DXT Donor Optimizer (Fresenius Kabi) in November 2020, a software solution that provides for operational improvements, such as process efficiency and productivity enhancements for platelet collections with the Amicus device.

Tools for Success

Donor Optimizer to improve productivity:

Staff reviews a listing of procedure options estimated based on donor potential and device capabilities. The donor's history of past collections is available for review in Donor Optimizer to assist staff in donor targeting. Access is also provided to a donor's automated procedure records within DXT.

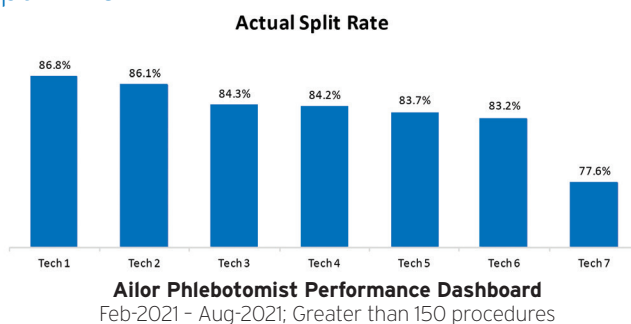
Automated documentation supporting operational improvements

DXT stores an electronic copy of the procedure record, providing complete and accurate documentation of procedure events. With automated documentation, DXT provides the potential to reduce discards and record rework due to manual documentation errors. The information available in DXT may assist in determining donor eligibility, product suitability evaluations and internal quality investigations.

Impact from Donor Optimizer¹

6 of 7 Ailor phlebotomists
actual split rate above 80%

MEDIC overall **actual split rate above 81.4%**



Teamwork & Collaboration

Collaboration between collection staff, blood center leadership and Fresenius Kabi were critical to drive change towards improvement. Change did not come easy; it required everyone to remain focused and commit to change. The collection staff reviewed DXT reports weekly, and sometimes daily, to assess performance. The reviews provided confidence that the new strategy was successful,¹ and the benefits could overcome pre existing hurdles. It was thought that donors were set in their ways; however, donor education proved successful with changing donor's expectations. Future meetings will be held with marketing and scheduling staff to sustain and build on current growth.

Refer to the Instrument's Manuals, DXT Administrator's Guide and DXT User's Guide for a complete list of warnings and precautions associated with the use of these products.

¹ Data on file at Fresenius Kabi. Individual results and installation time may vary depending on the implementation and use of system.

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“ DXT has helped us improve the number of platelets collected per procedure. Most of the donor base are willing to support the culture change. The implementation of DXT was easy and was completed within 45 days. ”

- Tracie Savage,
MBA, BSN, RNC NIC, CNML
Senior Director of Operations

DXT providing value:

- More productive procedures
- Automated procedure documentation supporting donor and product investigations
- Improved productivity through targeted operator training

DXT provides additional data not found in BECS:

- Instrument programmed values and changes (target yield, pre count, WBTP and more)
- Sequenced events and alarms with timestamps and identified operator
- Number of resuspensions

MEDIC
REGIONAL BLOOD CENTER



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