

IMPROVE Clinical Study

Objective: Determine the impact of a revolutionary ADC system on medication distribution and administration variables.

Key Finding: Omnicell solutions are clinically proven to reduce the delivery time of IV antibiotics to patients at a single-center study conducted at Hackensack University Medical Center.

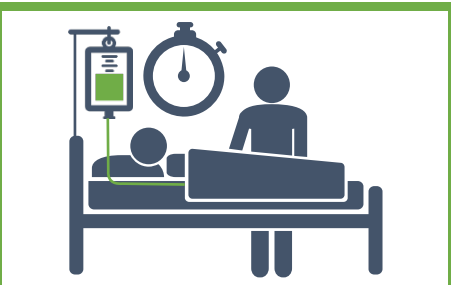
Type of Study Retrospective Comparison



6-month timeframe

Primary Endpoint 1

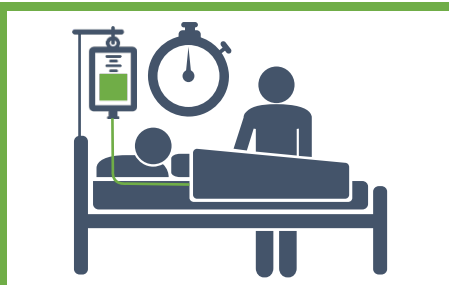
Reduce time to first dose of a time-critical antibiotic (Piperacillin-Tazobactam) by 10% compared to previous ADC system.



Outcome:
40.00% reduction
(average of 9 minutes)

Primary Endpoint 2

Reduce time from scheduled dose to administration of all IV antibiotics by 10% compared to previous ADC system.



Outcome:
13.34% reduction
(average 13 minutes)

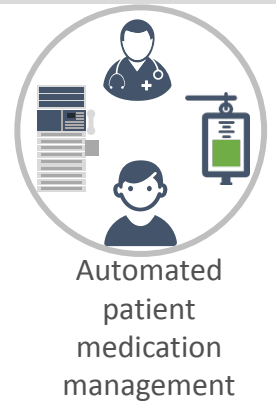
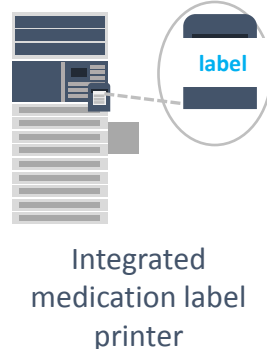
Secondary Endpoint

Evaluate number of in-basket messages related to missing medications compared to previous ADC system.



Outcome:
17.68% reduction

The Omnicell platform evaluated included:



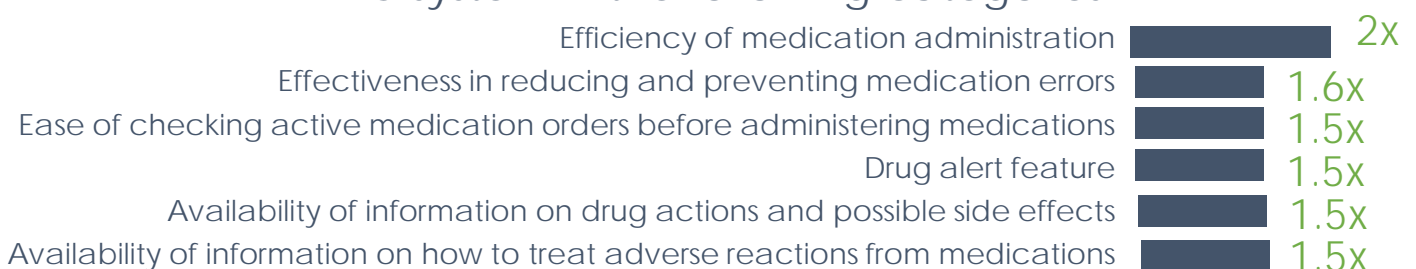
Study Areas

Med-Surgical

Orthopedics

Oncology

MAS-NAS Survey - 122 nurses rated Omnicell higher than the previous ADC system in the following categories.



The medication administration time for antibiotics is critically important for the prevention of infection and the prompt treatment of infection, and is also regulated by CMS.

