

ARTICLE

4 Ways Smarter Medication Automation Can Help Reclaim Nursing Time

Medication administration can compete with the time nurses dedicate to patient care, especially when workflows are inefficient¹ Whether it's chasing down a missing dose or troubleshooting a discrepancy, these tasks can interrupt the critical moments when nurses connect with patients, observe subtle wellness changes, and build trust.

Automated Dispensing Cabinets (ADCs) are intended to help nurses streamline retrieval workflows and ensure safe and complaint medication administration, but challenges remain. From Omnicell's perspective, ADCs must evolve to meet the growing demands being placed on nurses today.

OmniceLL's new Titan XT² Automated Dispensing System (ADS) is specifically designed to make the cabinet experience more straightforward for nurses, with features intended to provide clearer organization, better inventory accuracy, and fewer surprises.

Here are four ways this new ADS has the potential to help nurses reclaim time that may be reallocated patient care³:

1

Fewer Steps Enable Faster Access

Some ADCs have overly complex retrieval workflows that consume valuable nursing time when accessing medications. Titan XT provides a new user interface and simplified nursing workflows designed to accelerate adoption and reduce medication retrieval time. Less time at the cabinet provides nurses with more time available for patient care.



2

Enterprise Visibility Designed To Reduce Exceptions

Many ADCs are commonly siloed — providing inadequate integration with central pharmacy, electronic health record (EHR), and other health IT systems. Titan XT is powered by OmniSphere, Omnicell's cloud-based intelligence platform, that is built to facilitate this type of connectivity. OmniSphere is designed to provide pharmacy leaders with enterprise-wide visibility into cabinet inventories, that should help reduce blind spots and manual inventory checks. This enhanced inventory insight and control has the potential to prevent cabinet stockouts and reduce the time nurses spend tracking down missing medications.



3

Analytics Engineered to Minimize Disruptions

Embedded analytics take OmniSphere connectivity a step further by providing a framework that is intended to analyze medication usage patterns, anticipate stock risks, and identify potential inventory issues before they disrupt nursing workflows or result in availability issues at the point of care.



Omnicell's new Titan XT2 Automated Dispensing System (ADS) is specifically designed to make the cabinet experience more straightforward

Helpful Alerts with Less Fatigue

The automated alerts embedded in today's ADCs are designed to support patient safety, but some cabinets can overwhelm nurses with notifications, leading to alert fatigue⁴. Titan XT provides targeted alerts, programmed to prioritize those that are most helpful while minimizing redundant notifications that lead to cognitive burden. Titan XT's FiveRights safeguards are among the most important of these notifications, engineered to provide look-alike, sound-alike (LASA) and override management alerts intended to mitigate common error sources.

By minimizing exceptions, delays, and workarounds, Omnicell's Titan XT is designed to help nurses reclaim time that can be reinvested to delivering care at the bedside, which can ultimately improve patient experience, enhance patient safety, and support nurse sustainability.



Visit [Omicell.com/points-of-care](https://www.omicell.com/points-of-care) to learn more today.

1. National Library of Medicine, Nurses' Perceptions of Automated Dispensing Cabinets – An Observational Study and Online Survey, April 2020
2. Omnicell Titan XT is under development and not yet generally available to Omnicell customers. Omnicell makes no commitment with regard to such potential future development, features or availability, and it remains subject to change at Omnicell's discretion.
3. Discussion of potential benefits or outcomes does not imply, and Omnicell does not guarantee, that any specific impact or improvement will be achieved. Customer outcomes are dependent upon many different factors and individual results may vary by organization.
4. National Library of Medicine, Alarm Fatigue in Healthcare, A Scoping Review of Definitions, Influencing Factors, and Mitigation Strategies, June 2025.