



SimServeRx™ Medication Dispensing System

Automated Medication Dispensing

Automated Medication Dispensing Systems are essential fixtures in hospitals

- Designed specifically for healthcare education & training
- Provides medication dispensing experiences that are similar to those in clinical settings
- Streamline inventory management
- Reduce diversion of controlled substances
- Provide immediate access to medications in emergencies
- Prevent dangerous medication errors
- SimServeRx Cabinets realistically simulate a medication room dispensing system for pharmacy and nursing simulations

Automated Medication Dispensing

Nurse Educators Can Simulate the Entire Medication Administration Process

- The SimServeRx realistically simulates a medication room dispensing system for pharmacy and nursing simulations
- Designed specifically for healthcare education & training
- Provides medication dispensing experiences that are similar to those in clinical settings
- Control computer with touchscreen monitor
- Integrated barcode scanner
- Simulated eMAR with extensive drug library
- Automatically recognizes simulated medications

Secure Medication Storage

Medications are accessed via computer keyboard and/or touchscreen

- Secured door storage for bulk supplies & IV bags
- Electronic drawers for individual medications
- Drawers can be subdivided and configured as desired



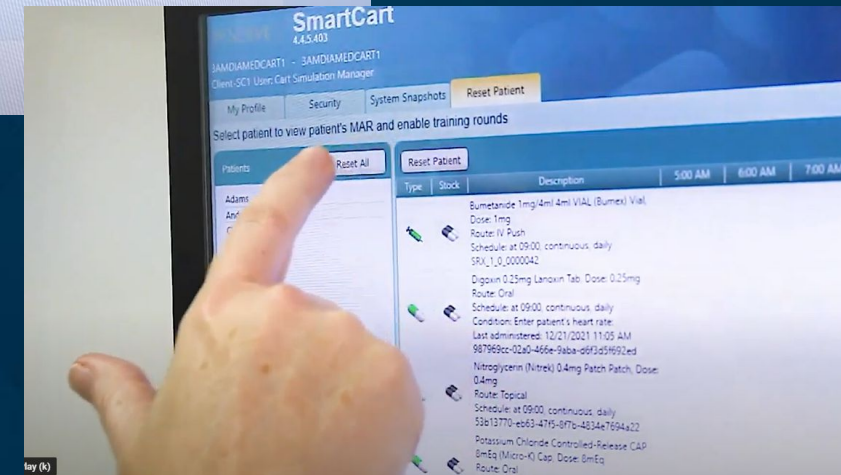
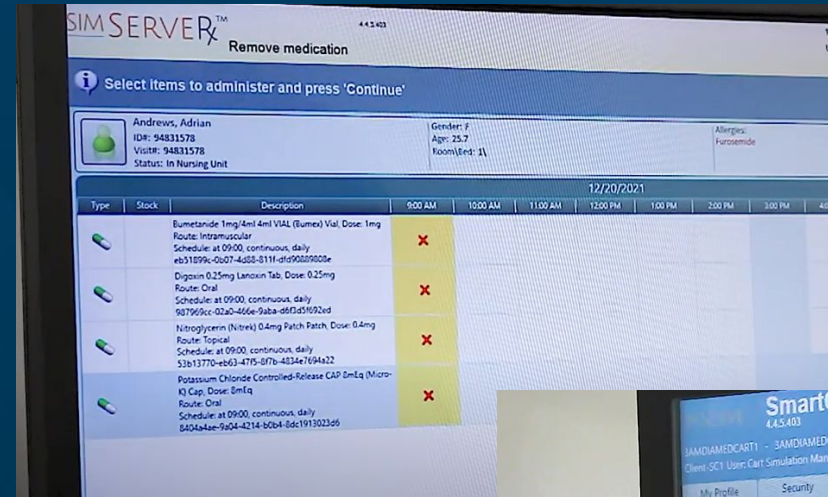
Simulated eMAR

Simulated eMAR shows:

- All scheduled and PRN medications
- Special directions for administration

Additional features:

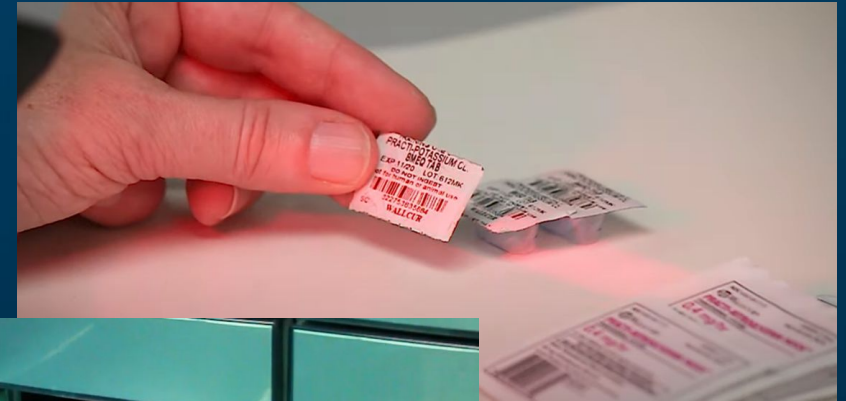
- Students can be required to enter assessment findings or lab results
- Blind counts required for controlled substances



Medication Inventory Management

All medications are scanned to confirm that they are correct before being stocked in drawers

- Medications can be stored in drawers/doors or "virtual" locations
- Simulate Controlled drug shift count
- Controlled drug discrepancies management

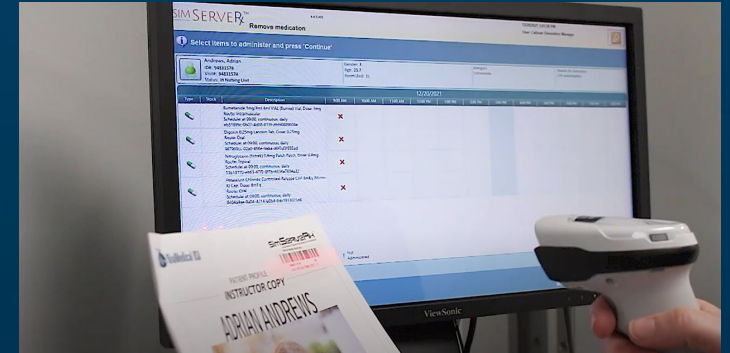


SimServeRx

Benefits for Training

SimServeRx allows instructors to create customized patient profiles and order sets that would not be possible with other software programs

- Dangerous errors and drug interactions can be embedded into the order sets for students to identify and address
- Reset feature allows educators to run the same medication administration scenario over and over again for demonstrations and graded skills validations



SimServeRx Patient Profiles

SimServeRx software package includes 10 free pre-programmed patient profiles

- Plug-and-Play convenience for educators
- Promote development of critical thinking skills
- Decision making for administration based on patient assessment findings & lab results
- Practice SBAR communication with prescriber



Included Equipment Hardware

Medication storage cabinet with:

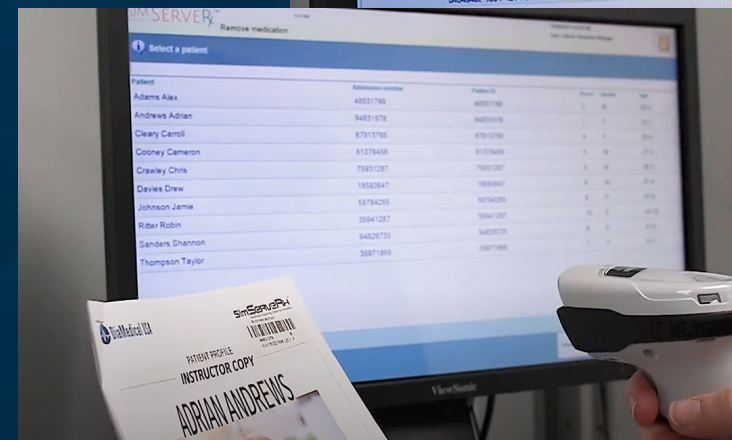
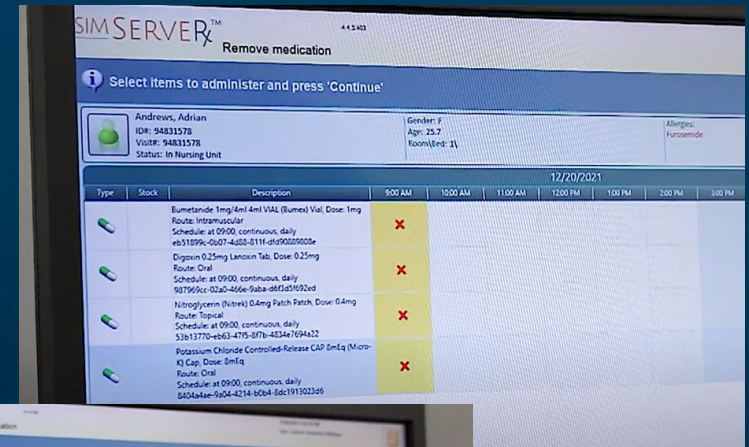
- Storage for bulk & unit dose medications
- Shelves and drawer dividers
- Computing console with mounting arm
- Touchscreen monitor and computer
- Barcode scanner
- 3 module configuration options, 18 drawers, 36 drawers, or locking door



Included Equipment Software

SimServeRx Software Package with:

- Simulated eMAR with Reset feature
- 10 pre-programmed patient profiles
- Extensive drug library with simulated medications
- Inventory management
- Activity tracking with discrepancy reporting
- Unlimited user access accounts
- Snapshot feature for easy backups



SimServeRx Training & Support

All SimServeRx Cabinet packages include:

- On-site set up and training
- 1 year of free software and hardware service with 24/7 U.S. based live support



Research Supports SimServeRx

- Students who train with simulated Automated Dispensing Systems like SimServeRx were more comfortable with medication administration with real patients and made fewer errors
- Reinforces 6 Rights of Medication Administration
- Provides more engaging learning experiences when simulation is used to replace missed clinical hours



Research Supports SimServeRx

- Simulated Automated Dispensing Systems can be customized to meet curricula and learning needs of individual students
- Patient case scenarios can range from simple to complex with embedded errors for students to identify
- Facilitates interdisciplinary simulations with pharmacy and nursing students



Research Supports SimServeRx

- Simulation is an ethical way to learn from medication errors without any risk to patient safety
- Students have opportunities for high-risk medication administration that are not possible in clinical settings
- Tracking provides objective feedback for educators about student performance and errors to guide decisions about future course content



Complete Line of SimServeRx Products



Tabletop Cabinets



Bedside Smart Carts
Work along side
your EHR!



Advanced Bedside Smart Carts
Utilize the SimServeRx
software to its fullest!

Complete Line of SimServeRx Products



2 Module SimServeRx™
Medication Dispensing System
With Inventory Management



3 Module SimServeRx Medication
Dispensing System With Inventory
Management



SimServeRx System Supply
Cabinet Add-On

Final Thoughts

- SimServeRx allows educators to create engaging demonstrations and simulations to help students gain the knowledge, attitude, and skills required for safe medication administration.
- DiaMedical USA provides products like SimServeRx to help improve the quality of healthcare to educate the next generation of medical professionals.
- Technical/product questions: 3AM Technologies - Kevin Bracey - 1-800-326-7656 - kevinb@3amtechnologies.com
- Sales: DiaMedical USA - Hannah Wagenberg - 248-801-1902 - hwagenberg@diamedicalusa.com

References

1. Ferguson, A., Delaney, B., & Hardy, G. (2014) Teaching medication administration through innovative simulation. *Teaching and Learning in Nursing, 9*(2), 64-68.
2. Latimer, S., Hewitt, J., Stanbrough, R., & McAndrew, R. (2017). Reducing medication errors: Teaching strategies that increase nursing students' awareness of medication errors and their prevention. *Nurse Education Today, 52*, 7-9.
3. Green, C. (2018). Contemporary issues: The pre-licensure nursing student and medication errors. *Nurse Education Today, 68*, 23-25.
4. Sarfati, L., Ranchon, F., Vantard, N., Schwiertz, V., Larbre, V., ... Rioufol, C. (2017). Human-simulation-based learning to prevent medication error: A systematic review. *Journal of Evaluation in Nursing Practice, 25*, 11-20.
5. Preston, P., Leone-Sheehan, D., & Keys, B. (2019). Nursing student perceptions of pharmacology education and safe medication administration: A qualitative research study. *Nurse Education Today, 74*, 76-81.
6. Andrew, L. & Baxter, P. (2018). Incorporating innovative simulation activities into campus lab to enhance skill competence and critical thinking of second-semester associate degree nursing students. *Nursing Education Perspectives, 40*(1), 58-59.
7. Hayes, C., Jackson, D., Davidson, P., Daly, J., & Power, T. (2017). Calm to chaos: Engaging undergraduate nursing students with the complex nature of interruptions during medication administration. *Journal of Clinical Nursing, 26*, 4839-4847.
8. Emerson C., Shabo, R., & Jones, J. (2018). Use of clinical faculty input in development of an error and near-miss reporting form. *Nurse Educator, 44*(4), 211-215.
9. Vaismoradi, M., Jordan, S., Turunen, H., & Bondas, T. (2014). Nursing students' perspectives of the cause of medication errors. *Nurse Education Today, 34*(2014), 434-440