

Lehigh Valley Hospital

ABOUT LEHIGH VALLEY HOSPITAL AND HEALTH NETWORK



A premier academic community hospital, Lehigh Valley Hospital and Health Network includes three hospital facilities – two in Allentown and one in Bethlehem (Lehigh Valley Hospital—Muhlenberg), Pa., and Lehigh Valley Health Services, providing home health, hospice, pharmaceutical and health management services.

Lehigh Valley Hospital—Muhlenberg dedicated a new seven-story, state-of-the-art hospital in 2005. The \$60 million, 260,000 square-foot building includes private patient rooms, the Regional Heart Center, Center for Critical Care, expanded Cancer Center, and Diagnostic Care Center.

Size of Community:

The Lehigh Valley Health Network serves a population of approximately 740,000.

Support of Remote Facilities:

Lehigh Valley Hospital—Muhlenberg provides multiple day PickRings for a transitional skilled unit located at 17th Street and Chew—about 8 miles away.

Specialties:

Lehigh Valley has been ranked one of the nation's top hospitals in eight specialty delivery areas in the 2006 *U.S. News & World Report* guide to "America's Best Hospitals." The leading specialties include cancer care, digestive disorders, endocrinology, heart care and heart surgery, kidney disease, orthopedics, respiratory disorders and urology.

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Software Information System:
The IDX hospital information system provides an integrated IT backbone for CPOE, BPOC, eMAR and PillPick.

Dispensing cabinets provided by Cardinal Pyxis are utilized for storage of floor stock and controlled substance medications in the patient care areas.

Patient Care:
Lehigh Valley has a patient-centered-care model for nursing. First doses and other Stat orders are dispensed via the central pharmacy's PillPick system. These orders can be filled simultaneously with cart fill operations. LVH uses a Swisslog TransLogic pneumatic tube system for transport of first doses and Stats to the patient care areas. All routine meds are stored in patient rooms, in patient-specific medication drawers.

Facility

Beds (Census)	260
Average Unit Doses/Patient Beds	13
Hospital Information System	IDX

PillPick Dispensing Statistics

DrugNest Size	22,000*
Average Doses Dispensed/Day	2,489
Average First Dose & PRN Dispensed/Day	691
Average Manual Picks/Day (Total)	785
Percent Cartfill Drugs in DrugNest	85%
Average Cartfill Start Time	7:00 AM
Total Cartfill Time	4-5 hrs
Real Time Update or Scheduled Update?	Scheduled
Average Quantity of PickRings/Day (Cartfill)	345
Average Quantity of PickRings/Day (First Dose & PRN)	339
Average Quantity PickRings Produced Per Day (Total)	684

Packaging

Quantity of Permanent PillBoxes	295
Quantity of Total Line Items in DrugNest	448
Quantity of Doses stored in the DrugNest	14-16k**
When Does Packaging Occur?	3 shifts in 24-Hour Period

Returns

Average Number Daily Returns	816
Percentage of Returns	38%

* Theoretical capacity - dependent on physical size of drugs

** Represents actual capacity for Lehigh Valley Hospital

On the Move in Healthcare

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