

about.txt

Pharmacy Re-engineering (PRE) was originally scoped to replace all VA legacy pharmacy applications with a system to meet current and future VA needs. The legacy applications with mid-1980s technology are obsolete and expensive to maintain and enhance. Initial increments focus on critical patient safety issues with legacy systems by providing three clinical decision support tools to crosscheck drugs/doses in medication orders to reduce frequency of adverse drug events and save lives. These three clinical decision support tools are:

1. Medication Order Checking Health Care Application (MOCHA) cross-checks drugs/dosing data against a Commercial Off The Shelf (COTS) database for industry updates.
1. Pharmacy Enterprise Customization System (PECS) lets VA expert pharmacists use VA custom data to improve order checks.
2. Pharmacy Product System (PPS) uses automation to replace slow manual inclusion of new drugs in medication ordering and management. Once found, new drugs are near instantly included in orders instead of waiting on a 60 day manual process. PPS retires the legacy National Drug File System. PPS will help local sites ensure locally defined drug variants trigger order checks to improve patient safety. These three tools enable up to date order checks, reduce adverse drug events, save lives and align PRE with VA's mission for better business and customer results by reducing healthcare costs and employee workload while improving care for Veterans.

These three PRE systems also leverage the following two utilities, MOCHA Server and Data Update (DATUP) for data synchronization and integration with commercial database drug information.

1. MOCHA Server is an intermediate HealtheVet application utility that integrates the Veterans Health Information Systems and Technology Architecture (Vista) application requests to then be able to send order checks against a COTS database and services as well as against VA customized data and services (provided by PECS).

MOCHA Server utility should not be confused with MOCHA Vista though they do interact. MOCHA is composed of MOCHA Server utility and MOCHA Vista application. MOCHA Vista is a Vista Massachusetts General Hospital Utility Multi-Programming System (MUMPS) application that pharmacists use in coordination with Computerized Patient Record System (CPRS). MOCHA Vista submits order checks to MOCHA Server, which then checks against the commercial database and against the PECS customized VA data.

1. DATUP is an application utility that synchronizes data across the MOCHA, PECS, and PPS applications. All three applications can cause needs for code updates to DATUP.
2. A fourth project, PRE Interoperability, planned for an FY14 start will make these three tools available as a service to VA and others.

PRE depends on projects like CPRS, Standards and Terminology services (STS), and Pharmacy Legacy Enhancements. Sustainment of Pharmacy National Drug File (NDF) Monthly Update depends on PRE. PRE is expected to interact with the integrated Electronic Health Record (iEHR)/Vista Evolution components either as a prototype that leads to standardization of data and processes, or as a component in the final architecture.