Meeting the CPOE Challenge
TestStream: comprehensive verification for better patient care.

Today’s clinical healthcare systems help organizations manage incredibly complex patient care, including the care regimens provided by CPOE technology and the underlying Millennium PowerPlan resources. These enhancements can make patient treatment more straightforward and reduce the chances of medication errors.

Verifying the ongoing accuracy of these systems, however, can be a daunting task. And without an effective quality assurance plan, Meaningful Use subsidies can be unnecessarily exposed to risk. Moreover, with less than optimal system performance you run the risk of lower practice adoption rates and diminished quality of patient care.

With TestStream, Millennium CPOE users can conveniently, comprehensively verify the intended functionality of their CPOE systems, considering the entire care delivery process, from order placement to verification to reconciliation of charges. And all of this can be done for your entire CPOE order catalog, providing full confidence of accurate system performance for every upgrade and enhancement.

Our TestStream solutions are feature-rich with CPOE testing support, including:

- Data Collection
- TestStream Solution Setup
- Test Execution

Complete PowerPlan Processing
TestStream will process through each phase of the PowerPlan, selecting the appropriate tests and after signing, will process through every individual order generated.
Data Collection
The Data Collection process for the PharmNet, PathNet, PowerChart and RadNet TestStream solutions understands how the CPOE PowerPlans are built into the Millennium system, and collects information on the PowerPlans, their associated orderables, order sentences and defaults. The PowerPlans are then included for selection in the processing lists.

PowerPlan Selection
The PowerPlans (CPOE plans) are included in the orderable selection list, allowing TestStream to take over and process each PowerPlan as necessary.

TestStream Solution Setup
Using the options within the solution Configuration, you can control how the PowerPlan is processed in each solution. By default, the orderables within the selected solution—laboratory, pharmacy, radiology etc.—are automatically selected and processed. Additional selection options are included in the test setup to be more specific about which orderables are included for processing within the PowerPlan.
Test Execution
When there's a PowerPlan to be processed, TestStream will automatically switch to the PowerPlan processing sequence. It will process the PowerPlan, choosing the appropriate orderables, based on the selection criteria defined.

It will then initiate and sign. If there are missing elements, TestStream will go back and fill in the values and then sign again. After taking a few more pictures, it will then switch back to order processing. TestStream will then take each order that matches the filter and take it through the solution processing sequence:

- **Laboratory (PathNet Solution)**
  Every lab order will be processed through the appropriate specimen login, accession resulting (Accession Result Entry or Microbiology Result Entry), inquiry and charge review.

- **Pharmacy (PharmNet Solution)**
  Every medication order will be processed through verification, EMar, inquiry and charge review.

- **PowerChart (PowerChart Orders Solution)**
  Every order will be processed through associated tasks processing, inquiry and charge review.

- **Radiology (RadNet Solution)**
  Every radiology order will be processed through the start & complete exam, transcription, signoff, inquiry and charge review.

When all orders for that PowerPlan have been processed, it will move on to the next selected item. Each order process within the PowerPlan has its own section in the reports, prefixed with “PP:” (PowerPlan).
Put TestStream to work for your organization

We look forward to helping you optimize your CPOE system.

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Vedant Health: Your true partner in improving patient care

Testing and validation technology is what we do at Vedant Health. But what’s at the heart of our mission—and always has been—is a passion for helping healthcare organizations save and improve their patients’ lives.

For three decades, Vedant Health has provided quality assurance solutions for organizations around the world. We’re a large but close-knit team, with deep and extensive experience in the testing technology and healthcare worlds. We look forward to talking with you about your quality assurance needs, and how we can help.

Our History of Innovation

1986 — We created the first of a new generation of test tools with the award-winning V-TEST product set. The V-TEST innovation continues today under the OpenSTA open-source product.

1996 — We started testing healthcare systems and found that the typical test tool and script approach could not handle the complexities of healthcare systems. TestStream and its revolutionary intelligence system launched.

2005 — Moving on from validating airline, banking, insurance, government and space-destined systems, we made the commitment to concentrate solely on healthcare.

2014 — Vedant Health is reborn, bringing a fresh approach to quality management. TestStream continues to validate healthcare systems throughout the world.