

LifeNet Health: Using Orchard Harvest LIS in Their Mission to Save Lives, Restore Health, & Give Hope

Saving Lives, Restoring Health, and Giving Hope—this is the mission at LifeNet Health, an organization specializing in organ and tissue procurement for transplantation, cellular therapies, and biomedical research applications. LifeNet Health’s donor testing lab in Virginia Beach, Virginia, solidly aligns its laboratory goals with the overall organizational mission by making sure donated gifts of tissues and organs are safe for transplant. The Quality

Control Lab, open 24/7, is best described as a hybrid lab because it performs both clinically based testing and industrial testing. For example, they perform donor-related microbiology testing as well as microbiology testing of air and surface samples to verify that processing facilities meet cleanliness specifications.

Unique Testing Requires Flexible Software & Orchard Delivers

While about 85 percent of testing closely mirrors the testing in any CLIA-accredited clinical lab, LifeNet Health only performs testing on samples from deceased individuals who have given the generous gifts of organs or tissues. Between this unique

testing and its industrial testing, the lab performs an interesting blend of tests that requires a unique information system setup, and Orchard Software has been right there to make sure this happens.

Why LifeNet Health Selected Orchard

One of the reasons LifeNet Health selected Orchard as its LIS vendor is because at the initial visit, the Orchard sales team explained the importance of understanding each individual lab’s specific requirements. “Orchard’s team came on-site and spent time with us to understand our completely different lab environment and

LIS needs, and because of that, Orchard has been able to assist us with the complicated build of our system,” says Dianne Richardson, QC Laboratory Manager, Serology & Analytics.

The Importance of Training

One of LifeNet Health’s corporate initiatives is ongoing training and education. In line with this, LifeNet Health has had four technologists attend System Administrator training in Carmel, Indiana, and now has superusers capable of maximizing the system to

meet its unique goals. “I think Harvest LIS has been great for us. We are pleased that Orchard’s systems are configurable enough to support our unique needs,” states Miranda Malone, QC Laboratory Senior Manager, Microbiology & Environmental Monitoring. “We have been able to tailor the system to support exactly what we need.”

An Abundance of Rules Makes the Lab’s Life Easier

“We have configured user-defined fields, ID numbers, order choices, lab tests, order entry rules, result evaluation rules, and report delivery rules—all to our specific needs,” Malone says. For example, LifeNet Health uses result evaluation rules to categorize organisms, combining organism ID with tissue type to ensure that a donated



LifeNet Health Harvest LIS Administrators: (Left to Right) Dianne Richardson, QC Laboratory Manager, Serology & Analytics; Linda Weiss, Senior Director Laboratory Sciences; Michelle Eusebio, QC Laboratory Supervisor, Microbiology & Environmental Monitoring; & Miranda Malone, QC Laboratory Senior Manager, Microbiology & Environmental Monitoring.

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gift is appropriately deemed suitable or unsuitable for transplantation. Developing extensive rules in Harvest LIS has minimized errors; prior to Harvest LIS implementation, everything was done manually and decision-making was not automated. Having rules set up to streamline workflow allows the lab staff to look back when a question comes up and easily find answers. "Accuracy has definitely improved by using result evaluation rules," says Malone.

No More Manual Microbiology

Microbiology workflow has moved from being manual with numerous books of work cards and written documentation to having everything compiled in the LIS, which makes the day-to-day workload for the technologists much easier. "Overall, removing all of the paper processes has made Harvest LIS a godsend to microbiology," says Michelle Eusebio, QC Laboratory Supervisor, Microbiology & Environmental Monitoring.

Intense Regulations Lead to "Outside of the Box" Thinking

In addition to maximizing the use of Harvest LIS' rules, because of the highly regulated environment at LifeNet Health, it has been able to use Harvest LIS to improve traceability. Richardson provides an example: "We have to track all the reagents we use for testing. I may have to know three years from now what lot number we used for a specific donor test, so we discovered we can use the QC section in Harvest LIS to efficiently track reagents. We had to think outside of the box. These innovative uses make Harvest LIS such a great system for us."

Sample Tracking Put to Good Use

LifeNet Health is also using sample tracking to track archived serum and plasma samples. They are required to save a portion of the unused sample for 10 years. Prior to Harvest LIS, this was tracked manually in Microsoft Excel and was difficult to search. "Now, we can access through sample tracking and we know the volume and the exact spot within the box in the freezer to go obtain these samples. Before, our system involved guessing and checking through hundreds of stored samples. This has been an amazing feature for the lab and the accessioning department," says Malone.

Paper Free at Last

Quality, safety, and accuracy are of the utmost importance, and the rules in Harvest LIS help LifeNet Health meet those goals, eliminating much of the uncertainty involved in manual paper-based systems. Linda Weiss, Senior Director of Laboratory Sciences, says, "Harvest LIS has helped us eliminate tons of paper documentation, and at the same time gives us easy access to information. We have designed a system that totally supports quality."

Favorite Features: Rules, Batch Entry, & Overall Efficiency Improvements

Rules have been a tremendous boost to efficiency and functionality at LifeNet Health; however, Malone names batch entry as the winner for the most beneficial feature. "Because of our high volume and diversity of cultures, batch entry with bar coding has been a huge time saver for us," she says.

As an organization with an embedded LEAN culture, efficiency, quality, and decreased waste align with LifeNet Health's mission.



LifeNet Health's Quality Control Lab Team

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Weiss says, “The biggest benefit to implementing Harvest LIS has been a complete overhaul of our efficiency. We not only learned the system and configured it, but we revamped our workflow to make it better. We didn’t build the LIS to meet an inefficient workflow based on paper; instead, we reengineered our workflow, and then built the LIS system into that improved workflow. And this team effort resulted in huge efficiency gains. From start to finish, the entire workflow is more efficient, and this translates into reduced waste and reduced costs, and closely aligns with LifeNet Health’s overall goals.”

Harvest LIS’ Data Browsers Improve Quality

Harvest LIS has also helped with mining data and gathering statistics. For example, the lab routinely creates turnaround time reports as quality indicators that are also used to guide staffing needs. “For each specific test, I can look to see what time span creates a staffing challenge, and then make staffing decisions based on that data,” says Weiss. “You can pull a report for almost anything in Harvest.”

The lab uses result browsers extensively to drive quality, enabling it to catch errors before they leave the department. It leveraged its unique implementation process as an opportunity to configure specific browsers that help find errors and missing information, and improve the quality of its reporting.

Unique Reporting Needs

LifeNet Health’s reporting needs are also a bit different from most clinical labs in that it is not sending reports to providers

in the EHR. Instead, reporting is handled via client folders and email, making the lab appreciative of Harvest LIS’ flexible reporting options. “It’s a really nice feature to be able to email reports instead of faxing, and it’s all set up for automated delivery depending on the location and result delivery rule,” says Malone.

Biggest Challenge: Managing Growth

In spite of an upheaval in healthcare, LifeNet Health is growing steadily and now has a satellite lab in Renton, Washington. Last year, the Virginia lab’s testing volume exceeded 210,000 tests, and it continues to have new technology coming from research and development within its Institute of Regenerative Medicine. Growth at this pace always comes with challenges that must be carefully managed. With the lab continuing to grow, Weiss says, “We are very grateful that we have Harvest in place now and before we began our phenomenal growth trajectory.”

Safety & Quality—#1 Focus

It is clear in meeting the lab staff at LifeNet Health that they are deeply connected to the organization’s mission. Weiss sums up the successful culture at LifeNet Health: “Safety and quality—to ensure quality of the graft to the recipient—is at the heart of why we do what we do within our lab. This provides a good connection to the goals and mission of our organization.” Orchard is proud to partner with LifeNet Health. 🍎

Orchard Software Participates in Annual Plane Pull for Special Olympics

More than 1,600 participants pulled the FedEx Boeing 757 at the 15th Anniversary of the Special Olympics Indiana Plane Pull Challenge at the Indianapolis International Airport’s postal hub on Saturday, August 27th. The plane pull is Special Olympics Indiana’s largest single-day fundraiser of the year. Seventy teams helped Special Olympics Indiana raise \$163,000 for athletes with intellectual disabilities participating in year-round sports training and competitions.

Did You Say Bubble Soccer?

The day was full of activities for all ages. Orchard Software competed in the Plane Pull Challenge as well as the children’s plane pull. We also had teams entered in the Bubble Soccer Tournament, a new and entertaining event this year. This is our fifth year participating in this rewarding event. We are proud to partner with Special Olympics Indiana and look forward to next year! 🍎



Test System Best Practices

There are a nearly limitless number of potential variations for using Orchard Software's products. It is very possible your lab is doing something unusual or mixing parts of the workflow that are unique to your situation. You might find that changes in the software impact your work in a way you had not anticipated. For this reason, responsible system administrators use *test* or *pilot* systems to preview changes and prevent issues.

Beginning with version 11 of Harvest LIS and Orchard Pathology, you will be required to use a test system for your upgrade before you may put the upgrade on your production server.

Best Practice #1: Have a Test System

Every Orchard client system should have a test environment that parallels the production system as closely as practical. This allows you to try solutions, preview build and version changes, and experiment with changes in lab workflow.

Best Practice #2: Reference the Test System Frequently

If you are thinking of making a change that affects workflow—at any point in the workflow from order entry to delivery of results—that change should first be made in your test system. How will the change be affected by other system setup? You will not know for sure until you try. How long will it take to perform a task or run a report? How is an ACO going to work in your situation? Try it in your test system.

Tip: If you want to do some serious number crunching, update your test system with a copy of production and run your analytics in a place where reporting will not affect your live system's resources.

Best Practice #3: Test & Dev-Test

Most people see the practicality of test systems. Test systems let us try changes and streamline our workflow while users are actively engaged in the production system. Orchard Support proposes a variation on this: A pair of test systems that we refer to as Test and Dev-Test.

Test: This system parallels the production database as closely as possible. The version is the same as production, and the database is a restoration of a production backup. The database is updated from the production system following any substantive changes to workflow, ACOs, preferences, or interfaces that are also mirrored in Test.

Tip: As changes are made to the production system, it is important that your test environment mirrors your production workflow and

setup as closely as possible. This lets you do version and build testing that matches the workflow of your production system.

Dev-Test: Dev-Test is used to test updates, version changes, and new features in a release. Dev-Test allows labs to test major changes to their Orchard products without interfering with ongoing use of the Test system. Major impacts on your business will show here first.

The process for this would be:

1. Create a Test and a Dev-Test system, using the current version and a restored system backup.
2. Use the Test system for systemic or lab workflow changes before use in Production.
3. Update/Upgrade Dev-Test with new software releases.
4. The updates being validated in Dev-Test apply to Production.
5. Update Test to mirror the version now in Production.

Supporting Test Systems in Your Lab

Technical Support at Orchard can set up your test systems, update test systems to new versions and builds, and help you bring your patient database into a test environment. This can often be done during business hours. Much of this can also be done at the lab end by an informed and experienced user.

Tip: Updating the testing environment with a current production database requires that interfaces be either disabled during the move or be re-pointed at the proper test interface. If this is not done, your test system operations can send results to a real host interface. You will need Orchard Support for this. 🍏

The screenshot shows the Orchard Resource Center (ORC) homepage. At the top, there's a navigation bar with 'Orchard Resource Center', 'Spices', 'Questions', and 'Feedback'. Below this is a 'Welcome to the Orchard Resource Center' message. The main content area is divided into sections: 'MY ACCOUNT' (with a user profile for Audrey), 'Support & Account Tools' (with links for Request Upgrade, Request Interface, ICD & WCD Codes, and Instrument Interfaces), 'ORCHARD NEWS' (with a list of recent news items), 'LEARNING CENTER' (with links for Questions, Knows Like, Training, White Papers, Webinars, and User Group & Symposium), and 'ORCHARD INTERACTIVE' (with links for Newsletter, Blog, Orchard Twitter, Orchard YouTube, Orchard Analytics, and Orchard Website). A large black arrow points from the text 'New look coming to the ORC Monday, November 14th' to the 'Request Upgrade' link in the 'Support & Account Tools' section. Below the arrow, it says 'To preview the changes, visit the ORC and click the "Preview the new homepage!" link.'



Where in the World is Orchy?

The last time we saw Orchy, he was taking in the spectacular views from Victoria Falls, which borders Zambia and Zimbabwe. The local Kololo tribe living in the area in the 1800s called the falls “Mosi-oa-Tunya” – “The Smoke that Thunders.” In more modern terms, Victoria Falls is known as the most awe-inspiring curtain of falling water in the world. The noise of Victoria Falls can be heard 25 miles away, and at the height of the rainy season, mist can be seen rising more than 1,000 feet in the air. The falls are listed as one of the seven natural wonders of the world.

Congratulations Caron!

Caron Burns of Georgia Cancer Specialists correctly guessed Orchy’s location at Victoria Falls and was awarded with the Orchy prize package.



Where's Orchy?

Orchard Software’s mascot has once again been spotted traveling the globe. This time, Orchy can be found at one of this country’s largest medieval castles that sits perched on a rocky peninsula above a mysterious body of water. If Orchy is lucky, he might get a glimpse of the world’s most famous cryptid. If you think you know where Orchy is located, please send your answer to news@orchardsoft.com by December 5th in order to be eligible to win an Orchard prize package. 🍏

Orchard Analytics Consortium Update



Welcome to our first update regarding the start of our Orchard Analytics Consortium. As you might recall, the consortium is targeting unnecessary testing in 10 evidence-based cascades that will help you either eliminate waste (in the case of a DRG or bundled payment) or prepare for the eventuality of denied payments by payers for tests that are not medically necessary. Focus on appropriate test utilization is becoming an important way for laboratories to

demonstrate their value, and Orchard Software’s consortium is proving to be a valuable tool to help you analyze your utilization data.

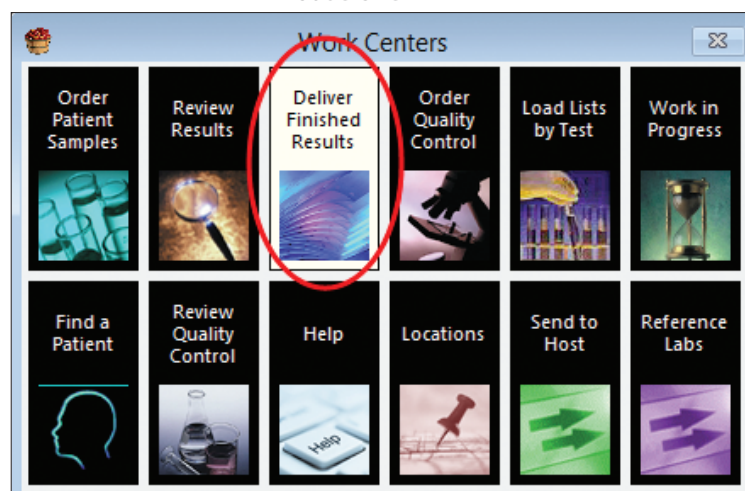
We have completed our first three consortium members’ data extracts and analyses, and here are a few of the findings: The average cost of unnecessary testing in each of the top four tests for consortium members is \$11,932.25. That means that in aggregate, the average for those top four tests combined is \$47,729 for each consortium member. The numbers vary widely based on the size of the organization, but the least amount of identified variable costs associated with unnecessary testing for any consortium member has been \$10,900. With a cost of only \$7,500 to join the consortium, which includes a seat in our Orchard School of Medical Analytics, what are you waiting for? Contact your Orchard Account Manager at (800) 856-1948 and join today! For more information, visit orchardanalytics.com. We look forward to working with you! 🍏

New Features in Harvest LIS & Orchard Pathology v11

Mouse Over in v10



Mouse Over in v11



In October, Orchard Software released its newest version of Harvest LIS and Orchard Pathology, version 11. More than 100 feature requests were included within the latest software release. Here are just a few highlights from version 11.

Updated Visual Graphics

The newest version of Harvest LIS and Orchard Pathology provides updated graphic properties to provide a cleaner, more sophisticated look. Possibly the most noticeable graphic change is in the Work Centers window. Previously, all Work Centers buttons were black. When the user hovered over the button, a colored glow would appear. In the newest version, the button changes from black to white. The larger button design makes it easier to see what is highlighted when you move the mouse over the buttons to select them.

Extensive Updates to Order Entry Rules

Order entry rules are used for a variety of automated decision-making to increase efficiency and productivity in the lab. Since order entry rules were first released, Harvest LIS users have provided valuable feedback that has helped us develop more intuitive rules to meet your needs.

The following order entry rule features are now available in version 11:

- Added the ability to create order entry rules that can fax and email invoices and requisitions.
- Broke out invoice and requisition behavior into their own actions; previously, invoice and requisition options were located under order-specific actions. They now have their own buttons with a variety of available options.
- Allowed order entry rules to change invoice and/or requisition layout templates based on order entry conditions such as ordering location or provider.
- Added the patient's last order date and time conditions to the Compare Dates/Times dialog box.
- Added the **Current date/time** option to the **Update Draw date/time** drop-down list in the Order-Specific Actions dialog box.

Additional Features for Other Rules Tables

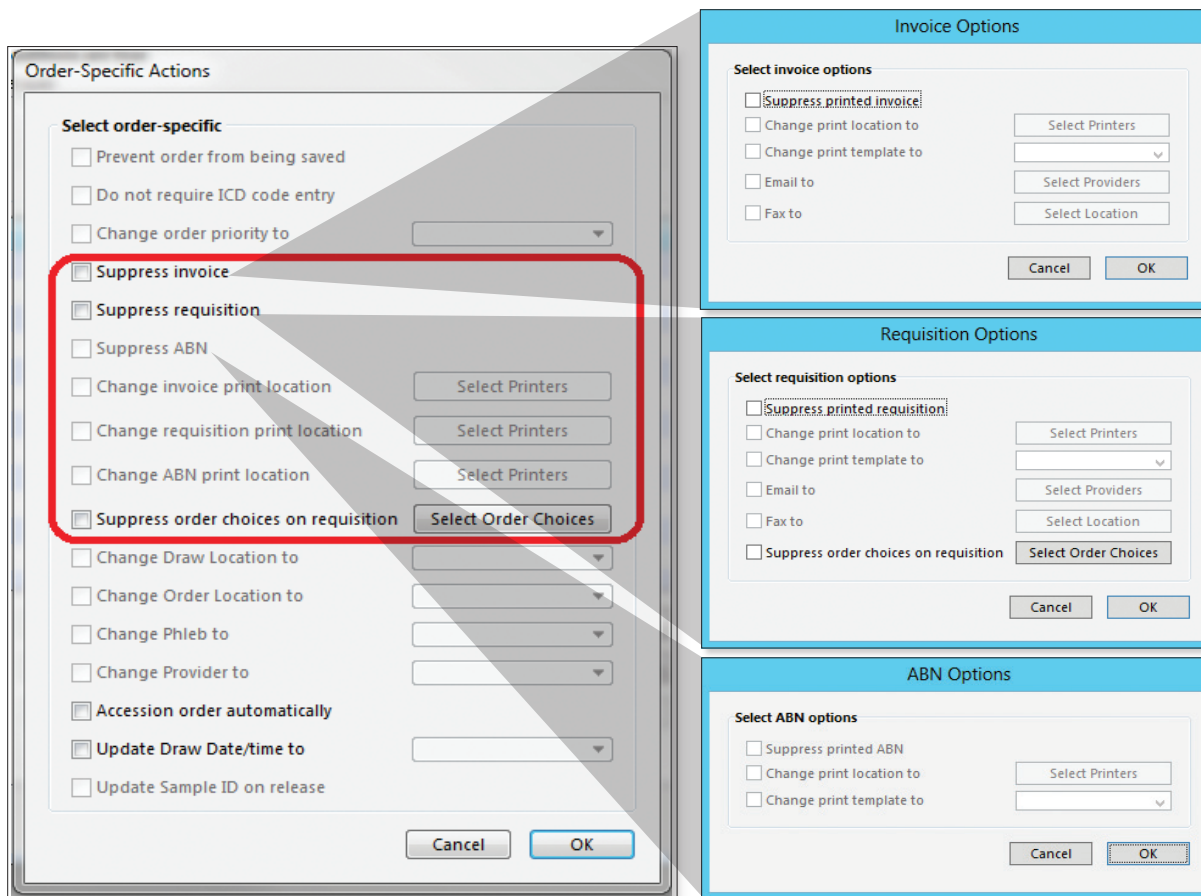
Orchard's laboratory solutions are well known for the flexibility they give to laboratories to write their own rules-based logic to meet their unique workflows. In version 11, many new features have been added to existing rules engines, such as:

- Added the ability to "group" in all rules engines. A **Group** column was added in the list view, allowing users to create groups for use in sorting, searching, and filtering.
- The **Find and replace CPT codes** option was added to the right-click menu in the Rules-CPT Codes table. When selected, you are asked to enter the CPT code to find, followed by the CPT code to be used as a replacement.

Sample Tracking User Interface Updates

The following updates are included in Harvest LIS' Sample Tracking functionality:

- The hierarchical tree view was changed to a hierarchical list view.
- The details previously in the **Item Details** group box are now represented as columns in the list view (Storage ID, Storage Type, Linked Order ID, Location, Position, and Expiration Date/time). A **Creation Date/Time** column was also added.



In v11.0, order entry rule choices for invoice, requisition, and ABN behavior are each displayed in their own separate dialog box; whereas, in previous versions, these were all located under order-specific actions.

- Added a **Define Filter** button that allows you to define and save filter queries. Added a **Filter Name** drop-down list that contains a list of all saved filter queries that can be selected. The defined filters are shared between the **Overview** tab and **Transfer Items** tab. Please note that the **Show disposed items** filter setting will be ignored on the **Overview** tab because there is a tab for viewing disposed items.
- The **Draw Location** drop-down list, **Type** drop-down list, and **Linked Order ID** text field have been removed because their functionality can now be accomplished by using a filter.
- The **Type** drop-down list's **Unassigned** option has become the **Show Unassigned Items Only** checkbox on the **Define Filters** dialog box. Its functionality is the same when used in a filter.
- The **Hide Empty Items** checkbox has been moved to the Define Filters dialog box. Its functionality is the same when used in a filter.
- The **List Details** group box (previously accessed by holding down [ALT]+[CTRL] and left-clicking just below the **Item Details** group box) is now accessed via the **Debug List** contextual-menu option.
- Functionality for the **Storage ID** text field/**Find** button and for bar code scanning a storage ID has been updated to search for an exact match only. If the matching item is on the other tab (**Active/Disposed**), you will be prompted to switch to that tab. If the matching item is not in the current filter, you will be prompted to search again with no filter.

Other New Features

- Added a **Save** button to the Graph window on the data browsers to save a copy of the graph as an image file.
- Added improvements to searching within Webstation.
- Added an option to update the order-level draw date and time when all containers related to the order have been collected.

Orchard is committed to developing, installing, and supporting the very best laboratory information system, and regular software upgrades are part of this commitment. Feedback from you, our customers, is what drives the continuous development of our products and enables Orchard to provide you with an expanding list of features for greater flexibility and the ability to handle a variety of laboratory workflows and business situations.

This is a small sampling of the features you will find in the October release of Harvest LIS v11. To take advantage of all new features and keep your Harvest LIS up to date, please request an upgrade from the Software Downloads tab of your Orchard Resource Center homepage. Make sure you are up to date with the latest and greatest developments in your Harvest LIS! Contact your Orchard Account Manager at (800) 856-1948 for additional information. 🍏

The Shift to Alternative Payment Models Requires Medical Analytics: Dr. Novicki's Analytics Journey



The shift in healthcare from a volume-focus to a value-focus is necessitating that metrics support quality of care. This shift is dependent on medical analytics. Laboratories have access to a great deal of data that can be an instrumental part of those metrics and analytics projects. In a recent Orchard Software webinar, Dr. Thomas

Novicki from Marshfield Clinic shared his personal story of how he became interested in medical analytics. He also shared results from his initial analytics projects at Marshfield Clinic.

Medical Analytics Revisited

Dr. Novicki's interest in medical analytics started well before the topic became so prominent in healthcare. In 1999, he read a scientific study by Joan Barenfanger, et al., published in the *Journal of Clinical Microbiology*. This study assessed the influence of the turnaround times (TAT) of antimicrobial susceptibility testing on reducing hospital length-of-stay (LOS). In the study, faster TAT enabled an average reduction of two days in LOS, saving \$4 million in 1999 dollars! This study intrigued Dr. Novicki, so when his lab administrator, Pam Carter, emailed him about the Orchard School of Medical Analytics, he jumped at it. He knew laboratory-related medical analytics were becoming even more important, so he signed up for the April 2016 Orchard School of Medical Analytics.

The Orchard School of Medical Analytics Experience

What Dr. Novicki found was that the four-day analytics training prepares attendees to identify global analytic opportunities, to incorporate lab data with other data sets, to maximize downstream

cost savings, and to improve patient outcomes. The Orchard School of Medical Analytics is led by pathologist Dr. Brad Brimhall, an expert in data warehousing and medical analytics. Dr. Novicki graduated from the Orchard School of Medical Analytics with honors as an official medical analytics team leader. The next opportunity to attend is April 24th–27th, 2017.

Marshfield Clinic's Beginning Analytics Projects

Even prior to graduation, Orchard Analytics and Marshfield Clinic began working on analytics projects involving lab data. Immediately, in two pilot projects, savings were found in several test utilization areas. Savings opportunities of more than \$54,000 were identified in unnecessary thyroid testing, and nearly another \$50,000 in other areas of test over-utilization. Using medical analytics, Marshfield Clinic's laboratory was able to streamline test utilization quality audits and add detail to its quality reports.

Shift to Alternative Payment Models Necessitates Analytics

In his webinar, Dr. Novicki asks, "Why should I use medical analytics to reduce my test volume (and revenues) when fee-for-service (FFS) is still here?" He explains how quickly our healthcare system is transitioning to alternative payment models. Test utilization committees are looking for this type of data, and payers are already beginning to deny payment for testing that is considered unnecessary.

In a FFS model, you might think reducing lab test volume is contraindicated. In actuality, now is the time to become aware of your lab's areas of waste in test ordering because FFS is quickly being phased out by alternative payment models that reward efficiency and quality. Insurance companies are already beginning to change their reimbursement schema to follow these evidence-based, best-testing protocols. Dr. Novicki says, "Medical analytics offers a powerful way to make this transition by leveraging all institutional data to improve outcomes and inform spending decisions."

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Clinical and Financial Benefits of Rapid Bacterial Identification and Antimicrobial Susceptibility Testing

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To assess the expected clinical and financial benefits of rapid reporting of microbiology results, we compared patients whose cultured samples were processed in the normal manner to patients whose samples were processed more rapidly due to a minor change in work flow. For the samples tested in the rapid-reporting time

A 1999 analytics study demonstrated that faster TAT resulting in reduced LOS saved \$4 million.

Start Your Journey: Download the Slides & Recording

To learn more about the specific results of Marshfield Clinic's pilot analytics studies, access the presentation slide deck and view a video recording of Dr. Novicki's webinar, *One Person's Journey Toward Understanding the Value of Healthcare Analytics*, at www.orchardsoft.com/orchard-software-webinar-one-persons-journey-towards-understanding-value-healthcare-analytics/. The webinar showcases Dr. Novicki's analytics journey, explains why he has become an advocate for the value of analytics, and shares specific results from Marshfield Clinic's projects with Orchard Analytics. For more information about Orchard Analytics or the Orchard School of Medical Analytics, please visit orchardanalytics.com or call (800) 856-1948. 🍏

Outcomes data can be used to objectively demonstrate the lab's true worth, justify lab expenditures, and solidify the lab's position on the healthcare team.

– Dr. Thomas Novicki

Spotlight On: Regional Executive Managers

Emily Daniels, Andy Tolle, and Pat Smits collectively bring 30 years of medical software industry experience to the Regional Executive Managers team within the Sales Department at Orchard Software. Together, they manage the team that services Orchard's business relationships with our clients.



Emily Daniels: East Region

Eastern Regional Executive Manager Emily Daniels has been with Orchard since 2007. She graduated from Butler University with a degree in International Business Management. She originally hails from Cincinnati and is an avid traveler, always looking for her next great adventure. A few of her favorite travel destinations are Australia, Ireland, and Cuba. Emily also enjoys cheering on the Butler Basketball team and seeking out new and exciting culinary experiences.



Andy Tolle: West Region

Western Regional Executive Manager Andy Tolle has been with Orchard for 10 years and has a BA in Computer Science from DePauw University, where he played collegiate football. Andy is a native of Indiana, and he and his wife Courtney have two young children. The Tolles are an active family and enjoy swimming, soccer, football, and gymnastics.



Pat Smits: Central Region

Central Regional Executive Manager Pat Smits is originally from Texas. Pat and his wife Sara have five children and enjoy spending time together as a family. Pat plays golf and basketball and coaches multiple basketball teams and camps. He attended John Brown University, where he earned a Bachelor of Science in Business, Marketing, and Public Relations, all while playing collegiate basketball.

Teamwork Supporting Orchard Clients

As Regional Executive Managers, Emily, Pat, and Andy lead our inside Sales Team using the knowledge and experience they have gained throughout the years while performing different sales roles. Prior to their current roles, they served Orchard Software as Sales Coordinators (prospective clients), Account Managers, and Outside Sales Specialists. As regional Executive Managers, they work with current clients serving as liaisons connecting clients to the various departments within Orchard. Furthermore, they facilitate projects and initiatives for our clients and their labs as they navigate the changing terrain of healthcare. 🍏

Tech Tip: New Optional Columns for the Review Results & Work in Progress Windows

With Harvest LIS 10.0.151221 and beyond, you can add the optional columns Overdue Status and Overdue Time. This provides a quicker and easier way to determine when an order is overdue and by how long. Additionally, you can view if the order is coming due and when. Simply add the optional columns to the window and with a few color view ACOs, the status of the order is in clear view on the RR/WIP windows without having to pull a TAT or Overdue Order Choice report.

Specify Custom Target Times

Target times can be set up in the Order Choices table. To do so, two optional columns need to be added to the appropriate column view. The optional columns need to be assigned in the saved criteria for that window. The **Overdue Status** column shows one of three options: Overdue, Overdue soon, or Not Overdue. The **Overdue Time** column shows the T-minus time if an order is coming due. If an order is overdue, Harvest LIS shows the lapsed time.

Set up TAT in the Order Choices table.

Assign optional columns on the Optional Column Settings window.

Add optional columns in the Column Views table.

To enhance the feature with color, ACOs can be added, as follows:

[Color View RR (All Orders) Overdue Status]

ApplyTo=BackCell

MatchType=Exact

Text_Overdue_Soon=Yellow

Text_Overdue=Red

The ApplyTo=BackCell ACO leaves the font color unchanged and changes the background color of the cell.

The MatchType=Exact ACO applies the color changes only if the set conditions are matched exactly.

The Text_Overdue_Soon=Yellow ACO turns any cells with an Overdue Soon status yellow.

The Text_Overdue=Red ACO turns any cells with an Overdue status red. 🍎

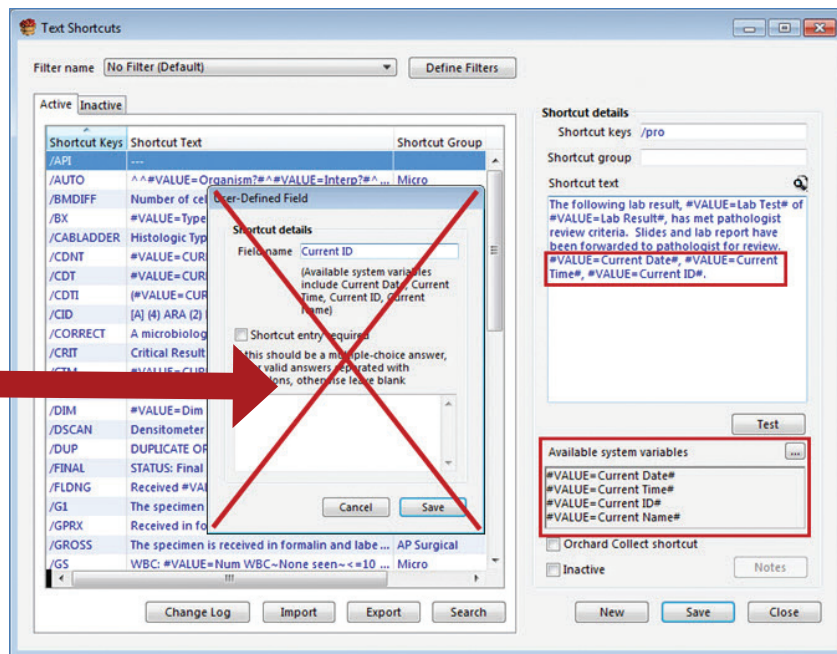
Use Color View ACOs for a pop of color.

Tech Tip: Ease of Use in Creating Text Shortcuts & Quick Comments

Beginning in Harvest LIS and Orchard Pathology 10.0.160405, it is easier to add system variables when creating or editing a text shortcut or quick comment. In previous versions, adding the current date, current time, current name, and current ID required you to type those variables into the User-Defined Field window. Now, simply click one of these options in the **Available system variables** field to add that information to the **Shortcut text** field. This new feature is activated by default. 🍏

Previous Method

Current Method: Click an item in the **Available system variables** field to add it to the **Shortcut text** field. This feature is also available for Quick Comments.



Featured ORC Question 🍏

This quarter's featured question received a couple of answers from fellow Orchard Software users. Sign in today and join the conversation!

Q Is there a way to have special handling print on the specimen label with the order choice?
(orc.orchardsoft.com/questions/54070196)

A We have a user-defined field on the order choices for this purpose. We have a lot of detailed instructions in the **Information** field that don't need to be on the label, so we use this user-defined field to enter short instructions that will fit on the label (e.g., Rush to lab, Call lab before draw, Keep warm, etc.).

A If you're referring to the information stored in the Order Choices table in the **Information** button, you can use the field code "Info for Order Items (truncated)" (~ordInfo). This field code prints the order choice information on labels. The information field is limited to 60 characters.

- If multiple order choices are on a single label, the order choice information will be combined so that each distinct occurrence appears on the label once, separated by semicolons.
- The truncation length for multiple occurrences is calculated by dividing 60 by the number of distinct occurrences and rounding down. If the calculated truncation length is less than 10, a truncation length of 10 is used.
- If the label code is used on a master or reference lab label, "N/A" is, printed.
- Order choices that do not have information appear as "None."

It is important to note that the entire **Information** field is used when checking for distinct values. This might lead to duplicate values being printed on the label (due to truncation), but in reality they are different values.

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