





Changes in Healthcare

• We are seeing more change in healthcare than ever before.

• 5% of the population accounts for 49.9% of healthcare spending.

• Shift in focus: Volume → Value

End of Fee-for-Service Approaches: What Should Smart Labs Be Doing Now to Ensure Financial Sustainability?

> ROBERT L. MICHEL Editor In Chief

THE DARK REPORT

HOW HEALTH INSURERS SEE HEALTHCARE'S EVOLUTION: WHAT'S AHEAD WITH INTEGRATED CARE, GENETIC MEDICINE AND VALUE-BASED

REIMBURSEMENT?

THE EXECUTIVE WAR COLLEG

DIANA BRANDON FRANK DOOKIE

MIKE SNYDER

"Innovating American Laboratories to Survive the

President & Chief Executive Officer

Emerging Business Models in the Clinical Laboratory Industry

Positioning Pathology and Clinical Laboratory Services to Add Value in the Era of ACOs and Medical Homes

> **Executive War College New Orleans** April 29, 2014

May 1, 2014

Christopher Jahnle Managing Director

Haverford Healthcare Advisors

Richard J. Cote, MD, FCRPath, FCAP

Professor and Joseph R. Coulter Jr. Chair Dept. of Pathology Professor, Dept. of Biochemistry & Molecular Biology, Chief of Pathology, Jackson Memorial Hospital Director, Dr. John T. Macdonald Foundation Biomedical Nanotechnology Institute University of Miami Miller School of Medicine



of MEDICINE

Time of Transition in Healthcare

- Lab plays a central role.
- Diagnostics becomes more critical.

You can't change the direction of the wind, but you can adjust your sails to reach your destination.

- H. Jackson Brown Jr.

Proactive Laboratories can...

- Provide value in ways that support the clinician in daily patient encounters.
- Contribute to overall organizational savings.
- Look at the entire patient episode of care for savings opportunities.

Position Your Lab for Success

- Share problem-solving concepts and ideas.
- Use laboratory tools & knowledge
 - to improve the healthcare of patients.
 - to create organization-wide savings.
 - to develop new business models.

Objectives

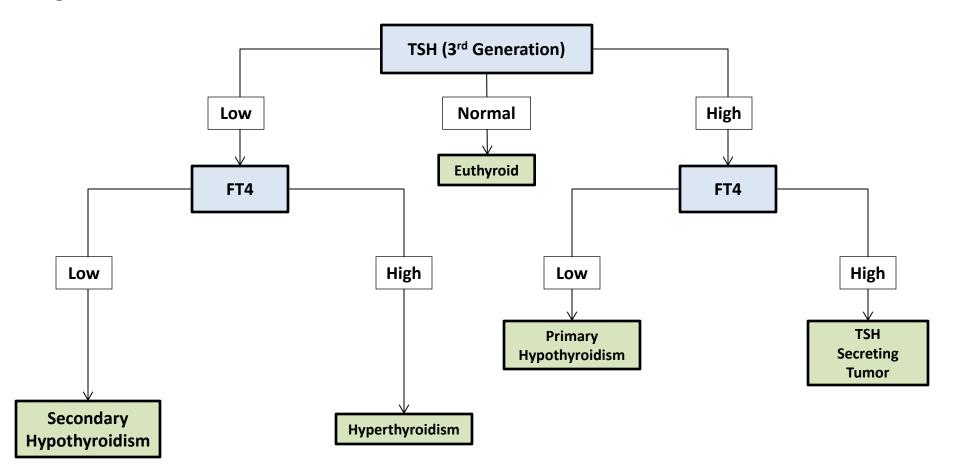
Provide useful analytics and business intelligence to your administration.



Testing Reflexes & Cascades

- Promote appropriate testing and reduce waste
- Automate the process with your lab system.
- Use reports to justify/support reflex usage:
 - Generate report of TSH/FT4 orders with normal TSH results to demonstrates number of unnecessary FT4s.
 - Translate into potential healthcare savings.

Algorithm for TSH reflex FT4





Actual (TSH + FT4) and Projected (TSH Reflex FT4) Cost of Thyroid Testing

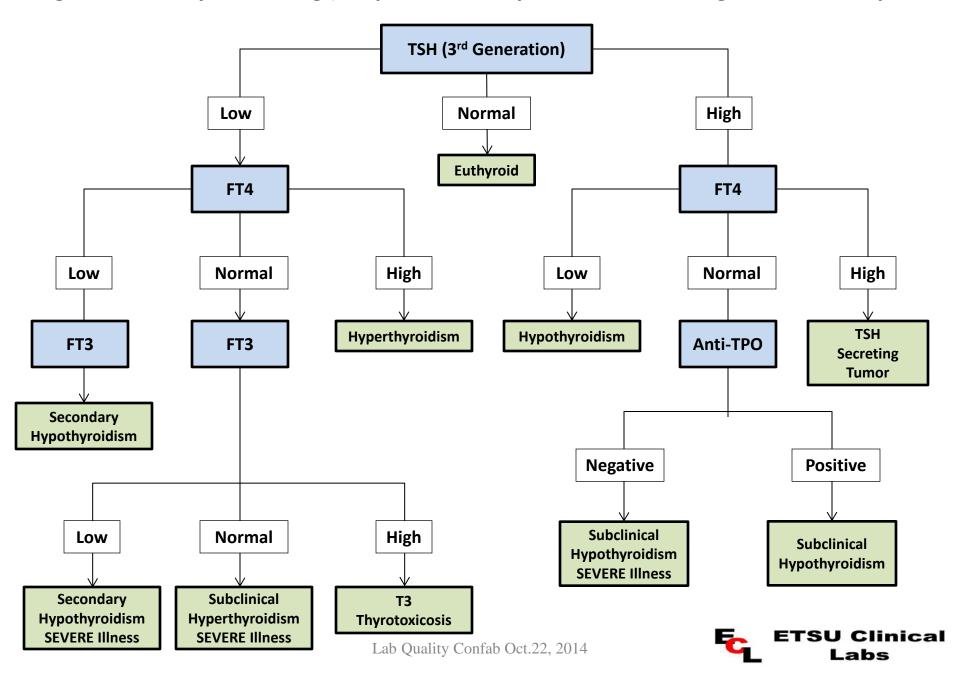
(Data Generated Utilizing Harvest Result Browser)

	Tests Performed		Cost to Insurance/Patient 2014 Medicare Rates		
Testing Strategy	TSH	FT4	TSH	FT4	Total Cost
TSH + FT4	819	819	\$18,780	\$10,074	\$28,854
TSH Reflex FT4	819	295	\$18,780	\$3,629	\$22,409
				Savings	\$6,445

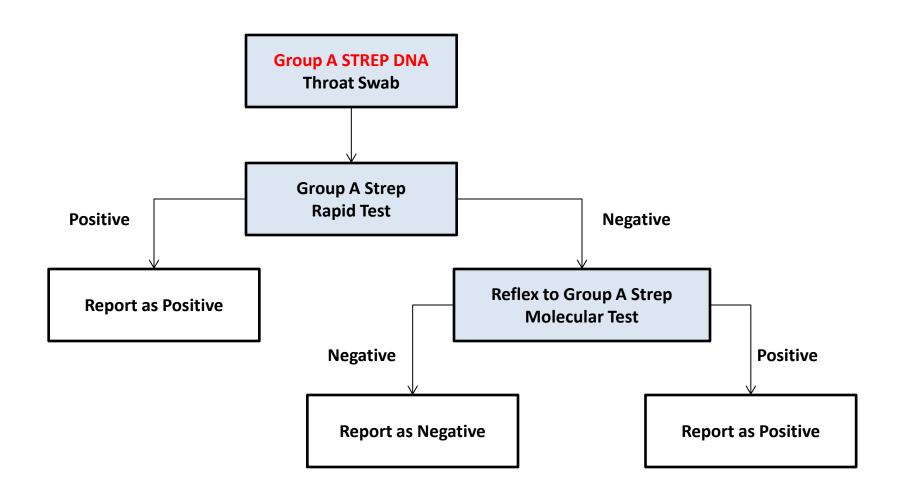
Develop Testing Reflexes & Cascades

- Examples:
 - Thyroid Cascade
 - Group A Strep screen
 - Group B Strep screen
 - Celiac disease
 - HIV Diagnostic

Algorithm for Thyroid Testing (Adapted from "Thyroid Cascade Testing", 2007. LabCorp

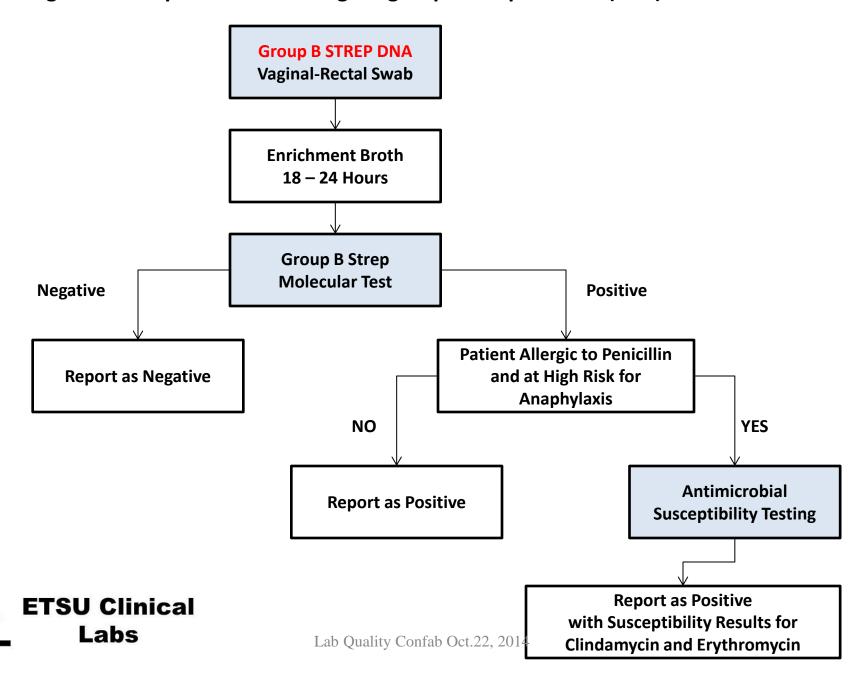


Algorithm for screening for Group A streptococcal (GAS) colonization

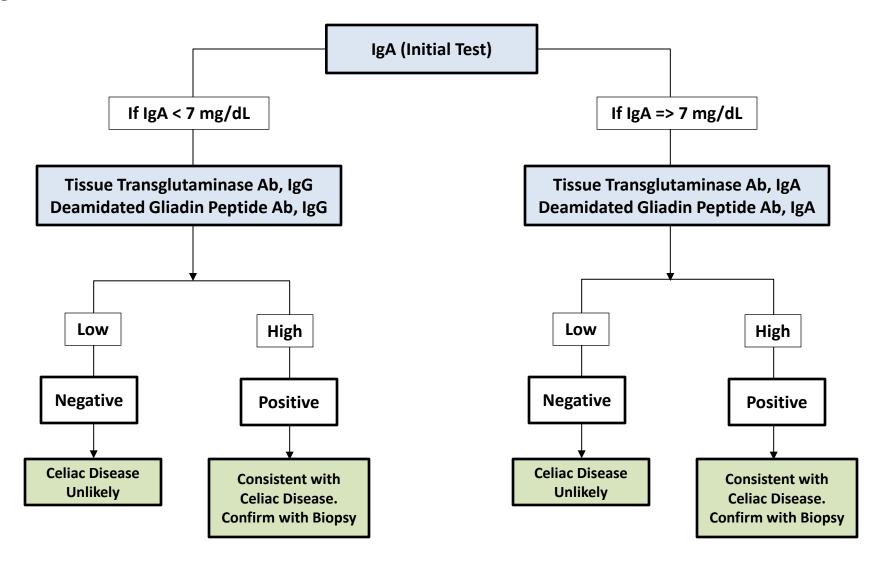




Algorithm for prenatal screening for group B streptococcal (GBS) colonization

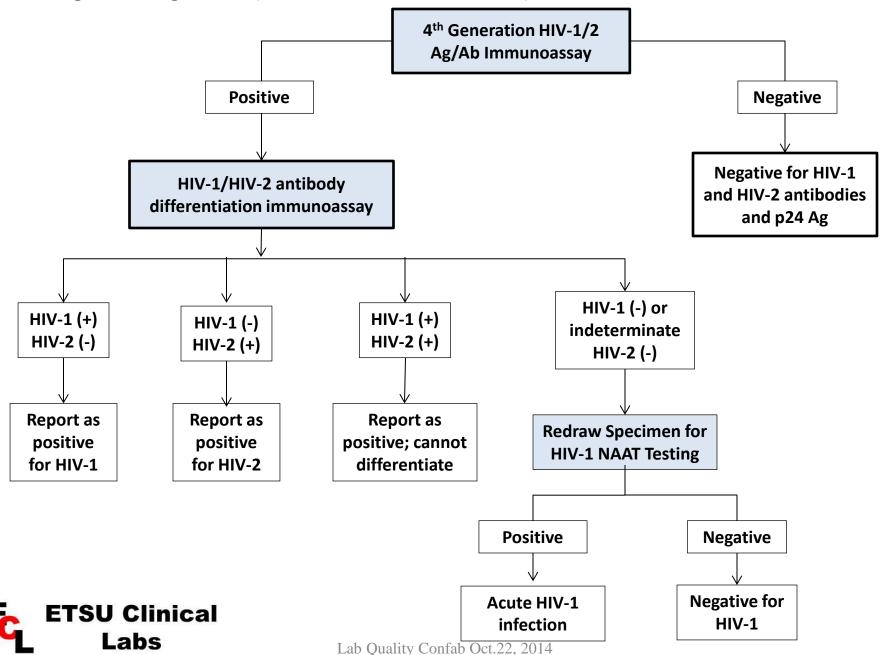


Algorithm for Celiac Disease





HIV Diagnostic Algorithm (CDC and APHL, 2010, 2013)





Vaginosis/Vaginitis Testing

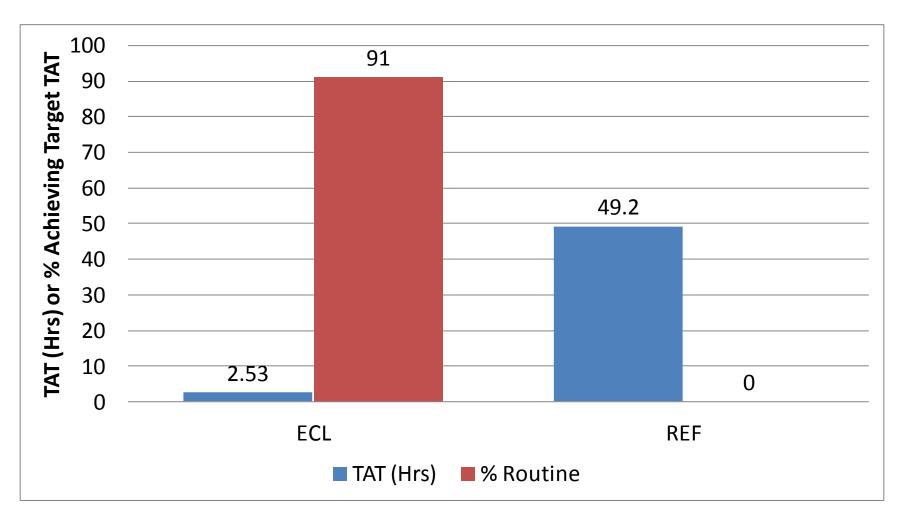
Vaginosis/Vaginitis Testing

- Vaginitis is an inflammation of the vagina. It can result in discharge, itching and pain, and is often associated with an irritation or infection of the vulva. It is usually due to infection.
- The three main kinds of vaginitis are bacterial vaginosis (BV),
 vaginal candidiasis, and trichomoniasis.
- A woman may have any combination of vaginal infections at one time.

Treatments

- Trichomoniasis: Single oral doses of 2 grams of either metronidazole, or tinidazole.
- Bacterial vaginosis: The most commonly used antibiotics are metronizadole, available in both pill and gel form, and clindamycin available in both pill and cream form.
- Yeast infections: Local azole, in the form of ovula and cream. These anti-fungal medications, which are available in over the counter form, are generally used to treat yeast infections. Treatment may last anywhere between one, three, or seven days.

Vaginitis Test Turn-Around-Time (Hrs) and Percent Achieving Target TAT of 3 Hours (Data Generated Utilizing Harvest Turnaround Time Report)

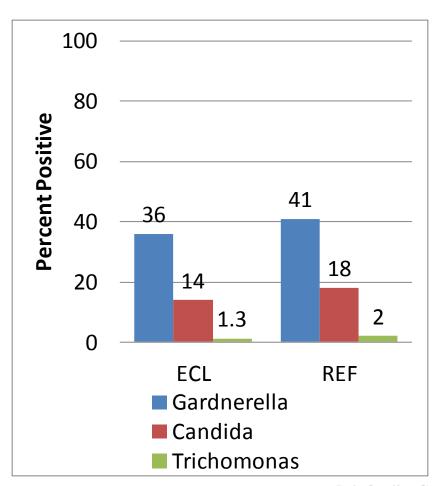


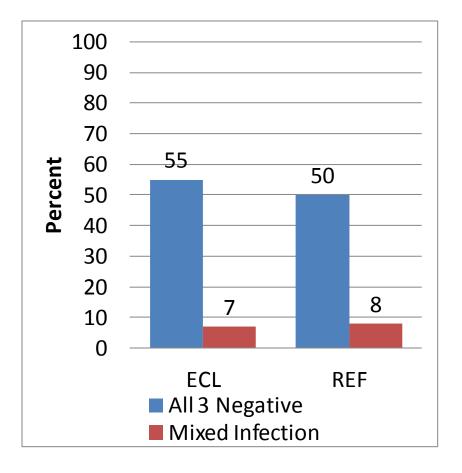
Vaginosis/Vaginitis Testing

(Data Generated Utilizing Harvest Result Browser)

Percent Positive Test Result

Evaluation of Results







Underutilization of Lab Testing

- Delayed or missed diagnosis
- Downstream overutilization or longer LOS

• Improving lab utilization leads to more costeffective care, regardless of whether appropriate utilization results in more or less lab costs.

TN Healthcare Innovation Initiative

Through Governor Haslam's leadership, the State of Tennessee has launched a state-wide initiative to transition its healthcare payment system to better reward patient-centered, high-quality, high-value health care outcomes for all Tennesseans.

Quality metrics

The episode reimbursement model is designed to reward providers who deliver cost effective care AND who meet certain quality thresholds. A Principal Accountable Provider must meet or exceed all established benchmarks for any quality metric tied to gain sharing in order to be eligible to receive monetary rewards from the episode model. Quality metrics tied to gain sharing are referred to as threshold metrics. Other quality metrics may be tracked and reported for quality improvement purposes but may not be tied directly to gain sharing.

The threshold quality metrics for the perinatal episode (i.e. the quality metrics tied to gain sharing) are: screening rates for HIV and Group B streptococcus and the overall C-section rate.

The quality metrics that will be tracked and reported to providers for the perinatal episode, but that are not directly tied to gain sharing, are: the screening rate for gestational diabetes, the percentage of women screened for asymptomatic bacteriuria, the screening rate for hepatitis B specific antigen, and the Tdap vaccination rate.

Perinatal: Threshold Quality Metrics

- Monitoring testing volumes for HIV screening and Group B strep screening
- Associated with the C-section rate
- Also tracking:
 - Gestational diabetes screening
 - Asymptomatic bacteriuria screening
 - Hep B specific Ag screening
 - Tdap vaccination rate

Goal to Increase Patient Compliance

- High incidence (30-40%) of no-shows for blood draws
- Looking at ways for the lab to increase patient compliance.
- Email patient reminders directly from the LIS or EHR.



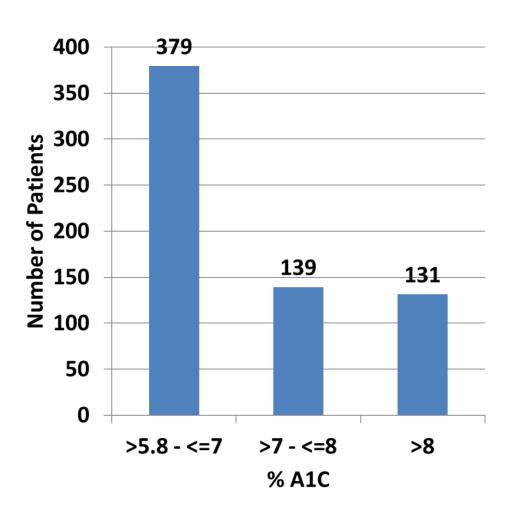
Physician Quality Reward Program Measures and Goals

Measure	Criteria	Performance Standard	Rate
A1C Poor Control Diabetes	Members who are 50-75 years old (Type 1 or 2) Must ensure that each eligible patient's most recent A1C level is no greater than 9.	=> 84%	\$.50 PMPM
LDL Control Diabetes	Diabetic members, 18 to 75 years old (Type 1 or 2) Must ensure that each eligible patient's most recent LDL-C level is less than 100.	=> 59%	\$.50 PMPM

How well are we taking care of diabetic patients?

- Hgb A1c Report
 - In 2013, >100 patients with >8% A1c and >3 months since tested.
 - This tool can be used to support the goal of keeping patients healthier.
 - Identify the "sickest" patients and focus on their follow-up.

Number of Patients Whose Last A1C Result Was Abnormal and Collected Greater Than 90 Days Ago



Process

- 1. Design the overdue A1C report in Result Browser.
- 2. Utilize the auto-run report feature to generate and deliver a monthly report.
- 3. Utilize data generated in result browser to distribute a patient specific cumulative report to the ordering department.

Management Reports

- Business intelligence and analytics are needed for population health management.
- Laboratories have valuable clinical data to share.
- Administrators need these tools as they negotiate contracts.

Make the Best Use of Laboratory Tools

- Laboratorians will need to use every tool available to support better patient care.
- ...Because in non-FFS, we will get paid for how well we provide service.



Make Sure the Lab is "In the Loop"

• Lab does not always market itself well; value is enormous but not always well communicated.

• Lab and administration need to have a united focus.

- Keep up-to-date on healthcare changes.
- Understand how they may impact your facility.

Lab Quality Confab Oct.22, 2014



