

The FluWorks Report

Nov 1, 2016 - Jan 19, 2017

Geisinger Medical Laboratory

Data includes results of out-patient (ABPR) testing Flu A/B RSV
Courtesy of GML Microbiology Laboratories

For clinical ?s, contact Microbiology doctoral pager, 8600
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For operational ?s, contact Donna C. Young, MT dcyoung@geisinger.edu

Respiratory Viruses GRL, 2016-2017

Total tested 900; Total Positive, 440 (49%)

Home

Welcome to LIS Dashboard Navigator - Live Area

Logout

Respiratory Pathogens PCR

All Resp Paths Week Number Median TAT
 TAT Records All Positive Results Records

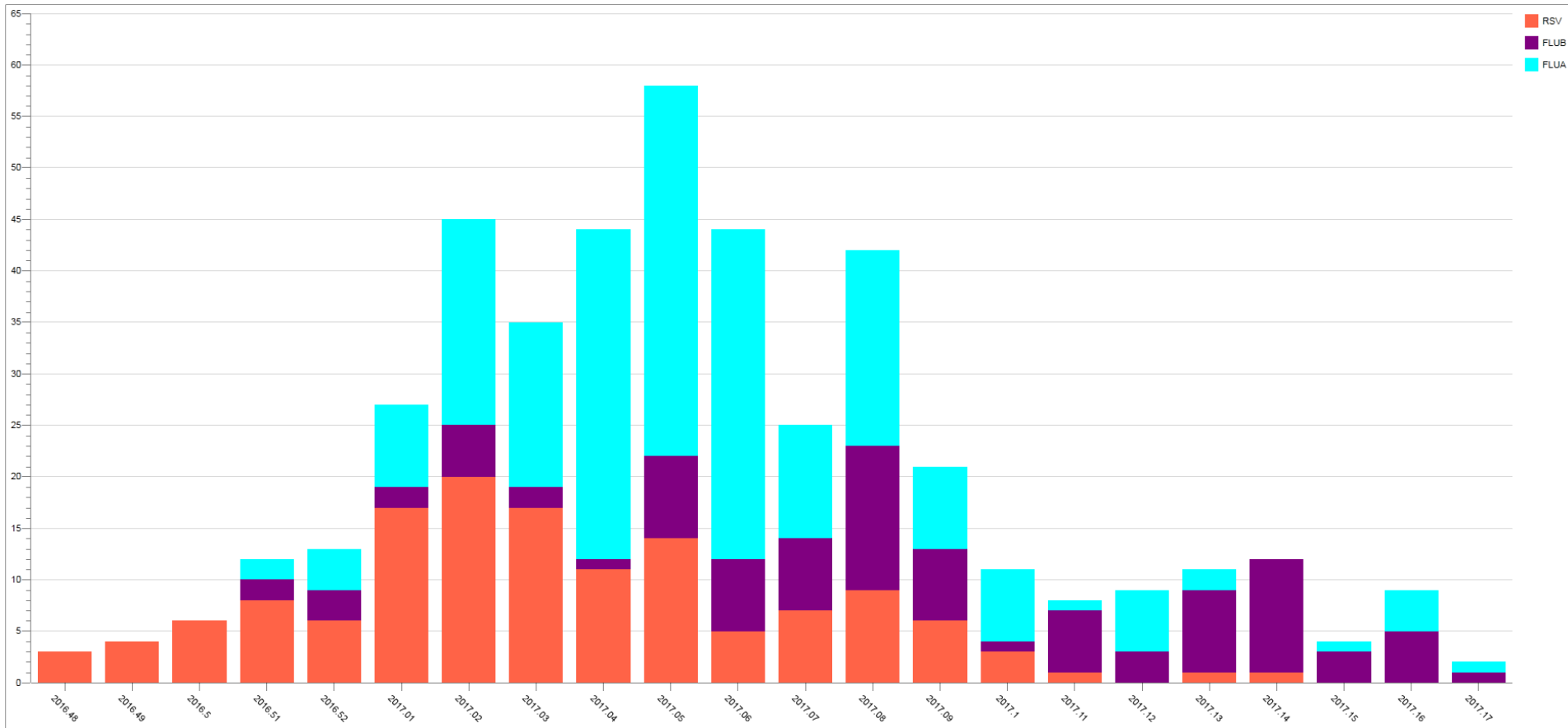
Test ABRP HID GRL HID - Locations GRL O Location GMGL C Virus No filter

Print Book Marks

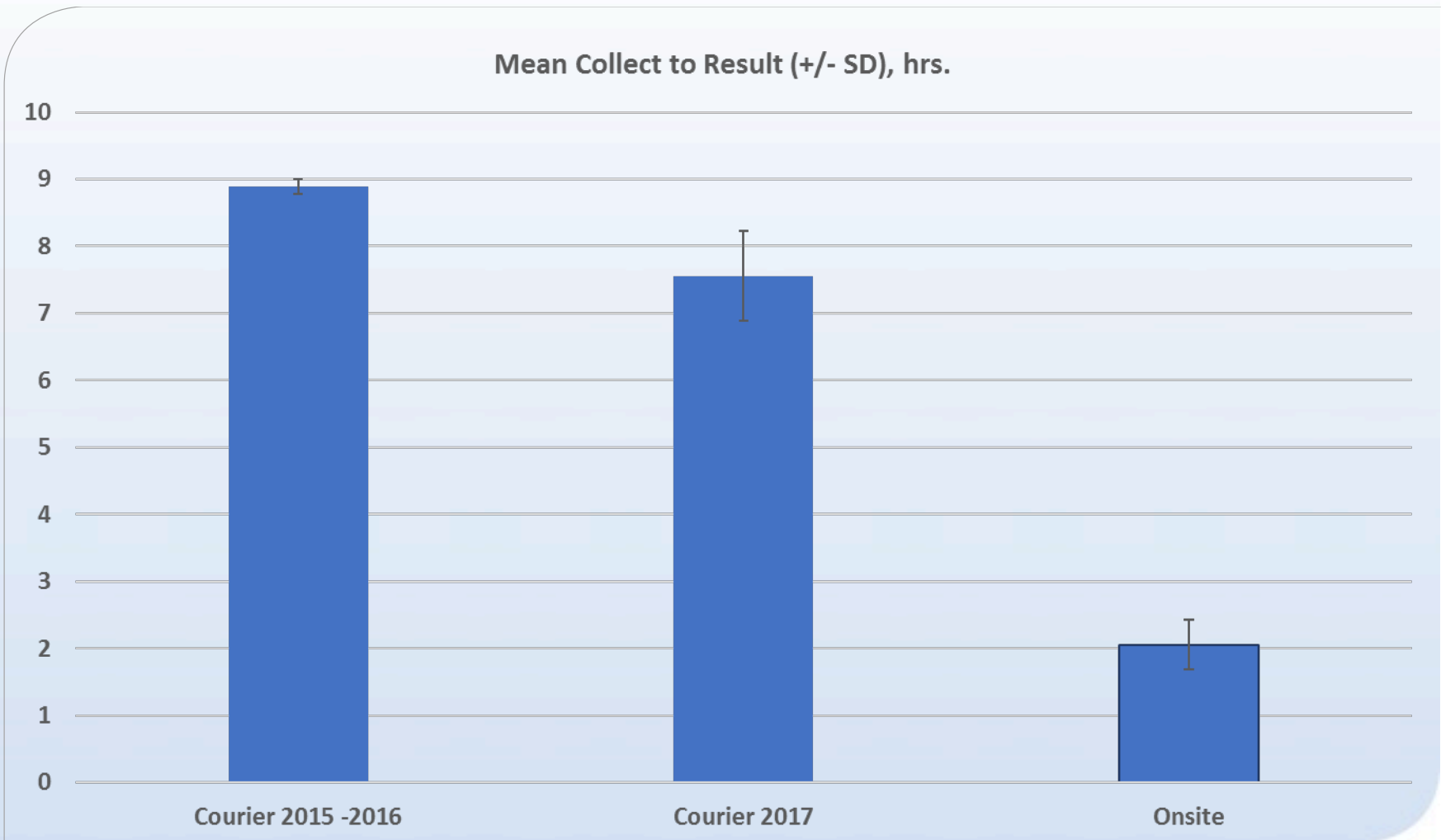
11/01/2016 - 04/30/2017

Month November 20

All Positive Result Breakdown - by Week Number

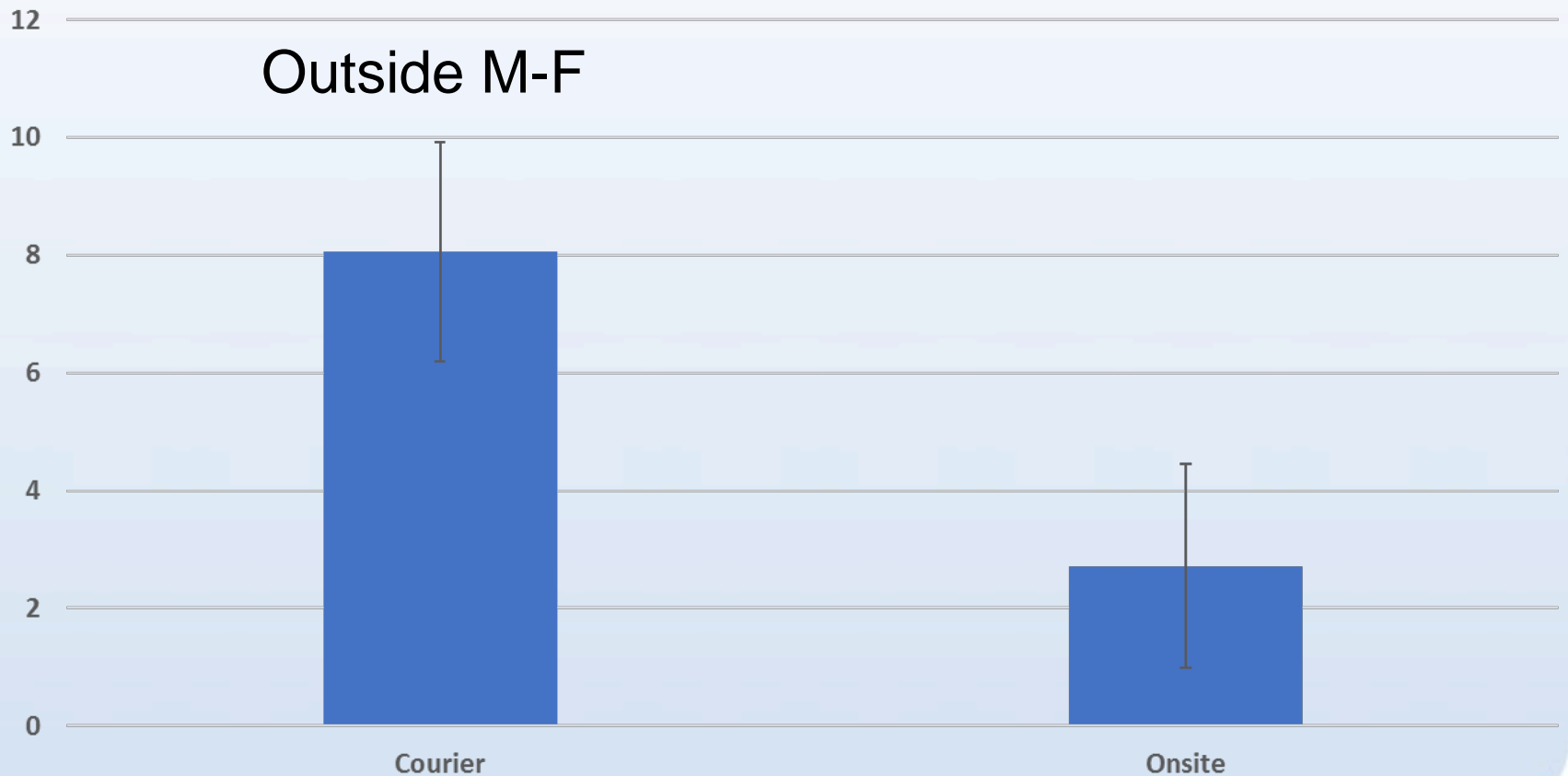


Mean Collect to Result Time is Statistically Improved with Onsite Testing, (95% CI)



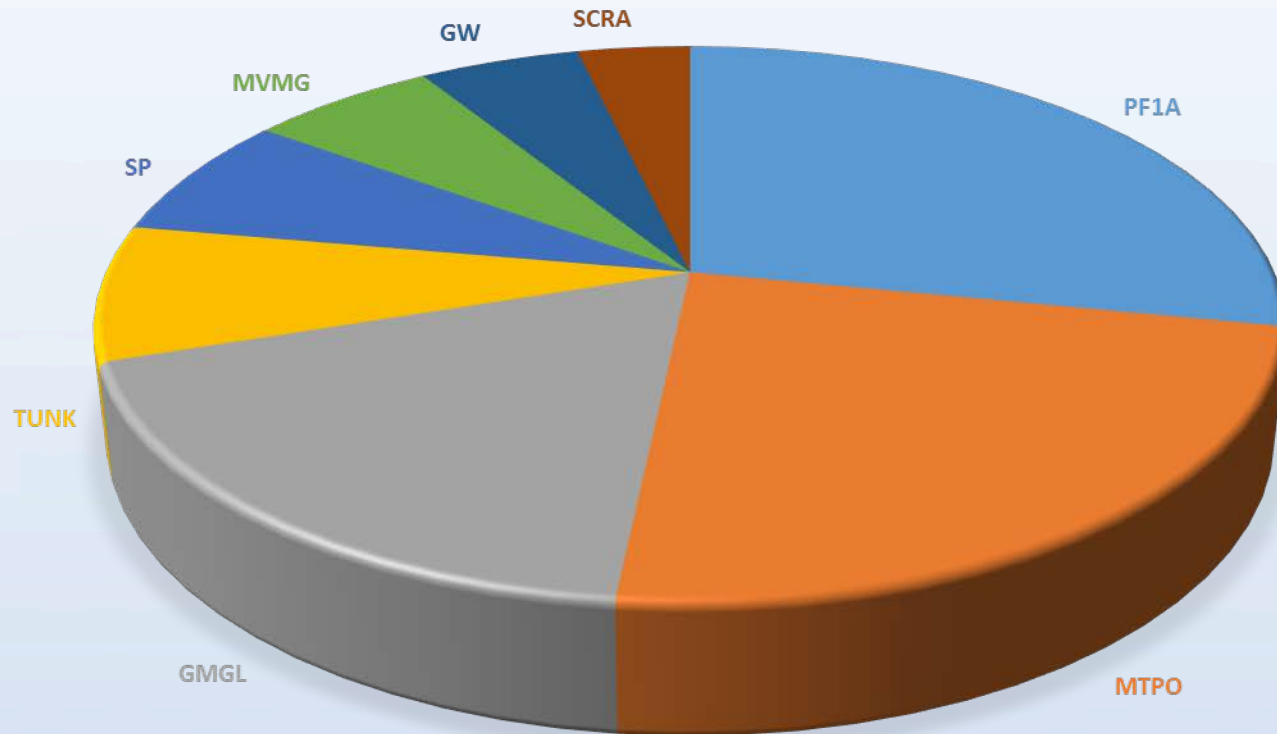
Mean Collect to Result Time x GRL-RRL 2016-2017

Mean Received in GRL to Result (h), +/- SD n = 900
p = < 0.001



Sample Distribution, 2016-2017

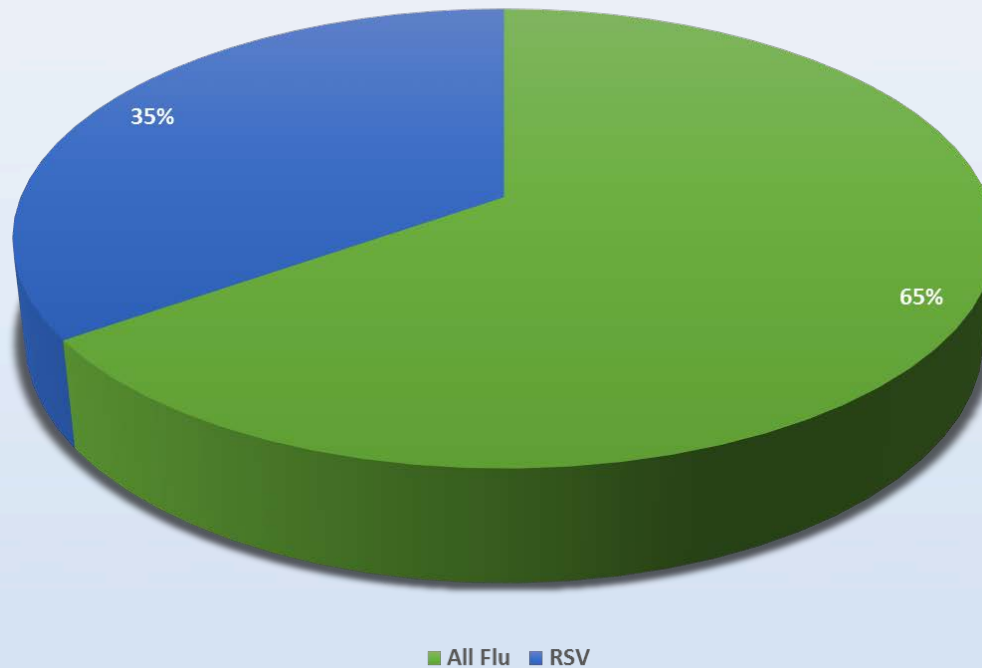
COUNT OF SAMPLES BY LOCATION



In the Pilot: 311 Patients Could Have Avoided Antiviral Therapy Had On-Site Testing Continued until April 30

Potential for Recovered Costs = \$31,000 in Antiviral Medication during intervention for positive RSV cohort alone

% RSV can Avoid Therapy; % Flu Would Receive Proper Therapy



Potential Savings

**\$74,640/season, ROI 3.3yr for
equipment if 8 sites**

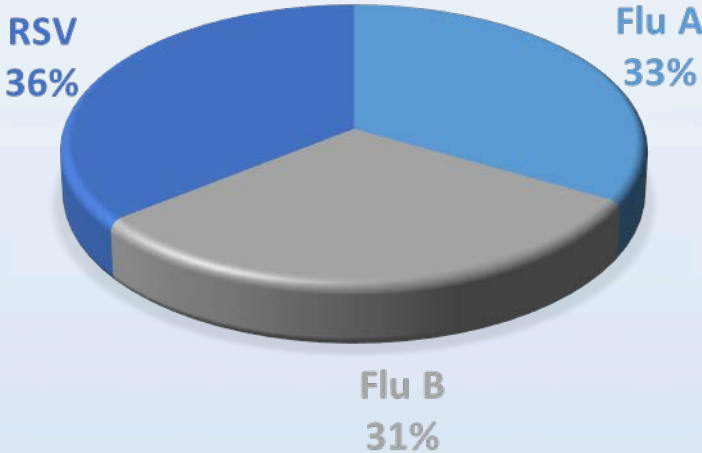
**Only 5 RRLs approved to purchase GeneXperts
All EXCEPT Scranton, Mo.Valley and Scenery Park**

*Will be pulling pharmacy data, and sending provider
satisfaction surveys and future needs.*

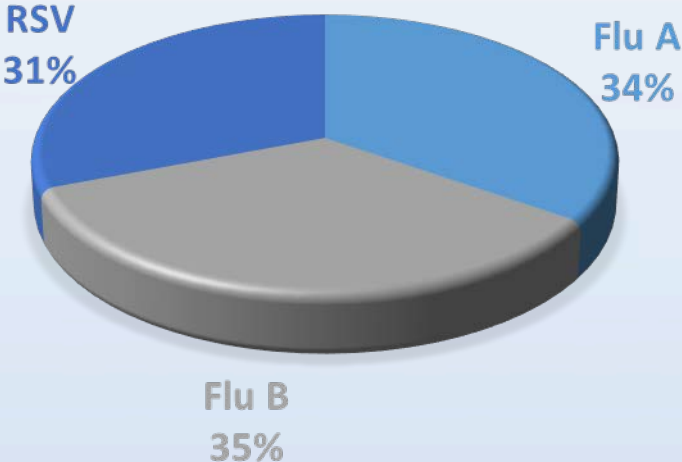
Evaluating potential for Grp A Streptococcus

Controlled for Bias: Proportions of Viruses Per Season are NSD up until March

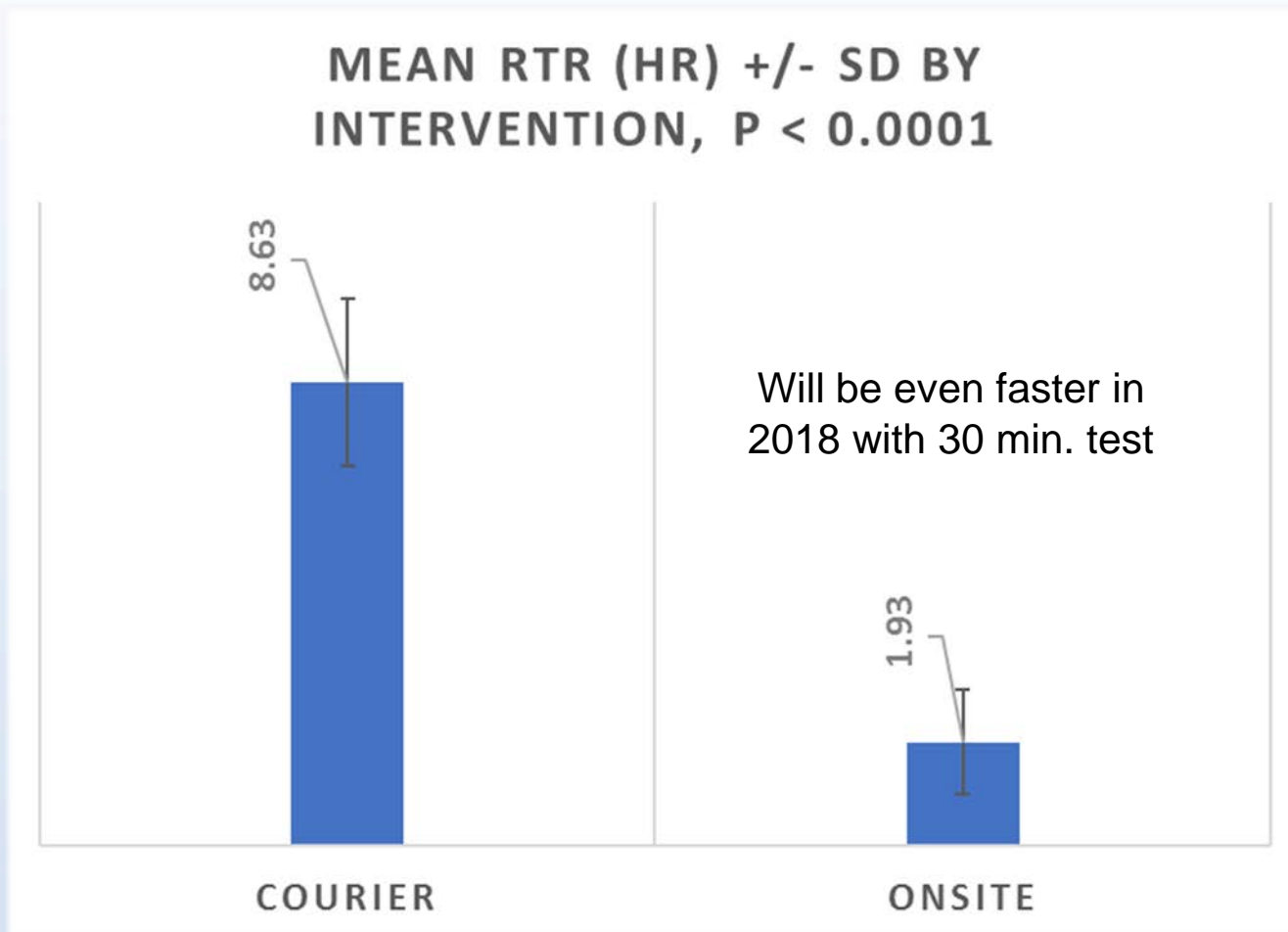
2015-2016



2016-2017 ANNUALIZED FOR RESPIRATORY SEASON



For virus-matched cohorts, Mean Receive to Result (RTR) was statistically improved with on-site testing, (ANOM and Wilcoxon Rank Sum), $n=634$, $p < 0.0001$
95% quantile was 9.0 hr for courier and 2.6 for onsite



Advancing diagnostics...saving lives



Geisinger

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About Geisinger Medical Laboratories

Geisinger Medical Laboratories (GML) is the laboratory division of the [Geisinger Health System](#). Our core laboratory is at Geisinger Medical Center in Danville, Pennsylvania. We have [distributed operations](#) throughout northeastern and central Pennsylvania.

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