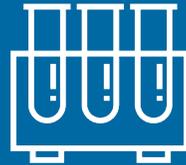


A photograph of two scientists in a laboratory setting. They are both wearing white lab coats and safety glasses. The scientist on the left is pointing at a computer monitor, while the scientist on the right is looking at the screen. The monitor displays a complex data visualization with various charts and graphs. The background is slightly blurred, showing other lab equipment and a window. The overall color scheme is a cool blue.

COVID-19 Lab Working Group

Topics



- I. COVID-19 Knowledge Updates
- II. COVID-19 Use Cases for EP Evaluator
- III. Instrument Manager Driver Updates
- IV. Support Services for COVID-19
- V. Q&A

COVID-19 Resources from Data Innovations



- COVID-19 Driver Listing
- News Blog
- Recurring webinar series

Upcoming Webinars

COVID-19 Lab Working
Group

Wed., May 27th

10:00 AM PT / 1:00 PM ET

New Release Update: IM
2020 Edition, Version 8.17

Wed., June 3rd

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COVID-19 News Summary

Current and Future Laboratory
Impacts/Considerations

Topics

- I. COVID-19 Testing and Reimbursement
- II. Future COVID-19 Considerations
- III. Resources

COVID-19 Testing and Reimbursement

Testing decision-making
and economic impact



Based on clinical need and demand



Decision-making



Sensitivity and specificity



Reimbursement



Decision made



What does the future hold for
COVID-19 testing?

Future COVID-19 Considerations



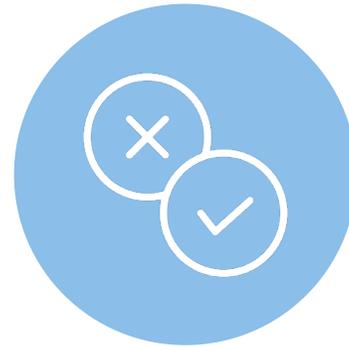
Watch for
changes in
incident rates



Watch for
changes in FDA
approval



Will the lab be
thrown a lifeline?
\$\$\$

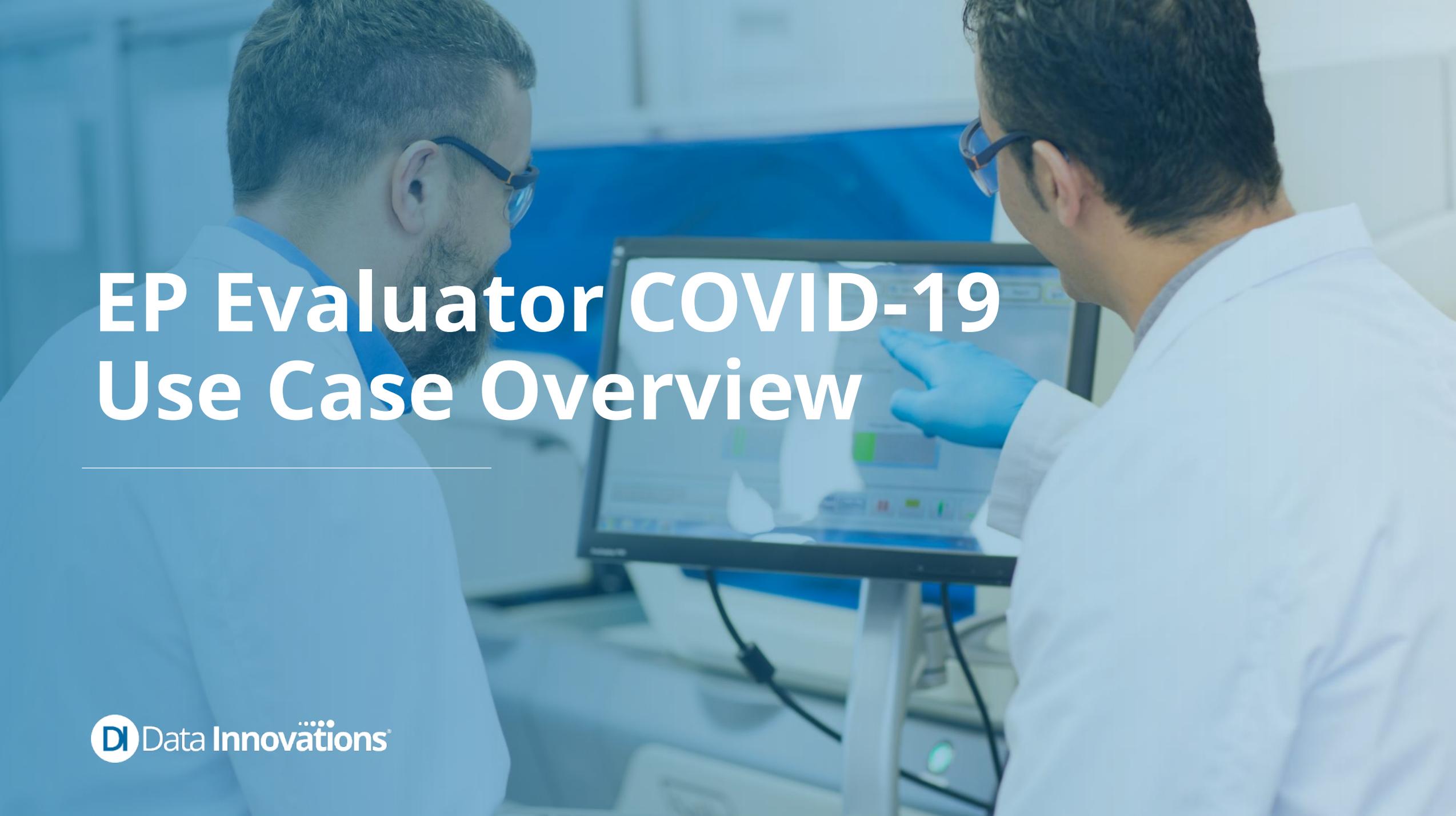


Critically analyze
challenges and
successes

Useful links & webinars



- 360dx.com
- Darkdaily.com
- Others



EP Evaluator COVID-19 Use Case Overview

Lab Quality Assurance with EP Evaluator

- Accelerate the Performance Verification (PV) studies
- Improve the accuracy of instrument PV studies
- Industry leader in streamlining performance validation
- Compliant, inspector-ready reports



Instrument and method validation at scale



Perform calculations for 100+ experiments simultaneously



Simplify instrument-to-instrument comparison

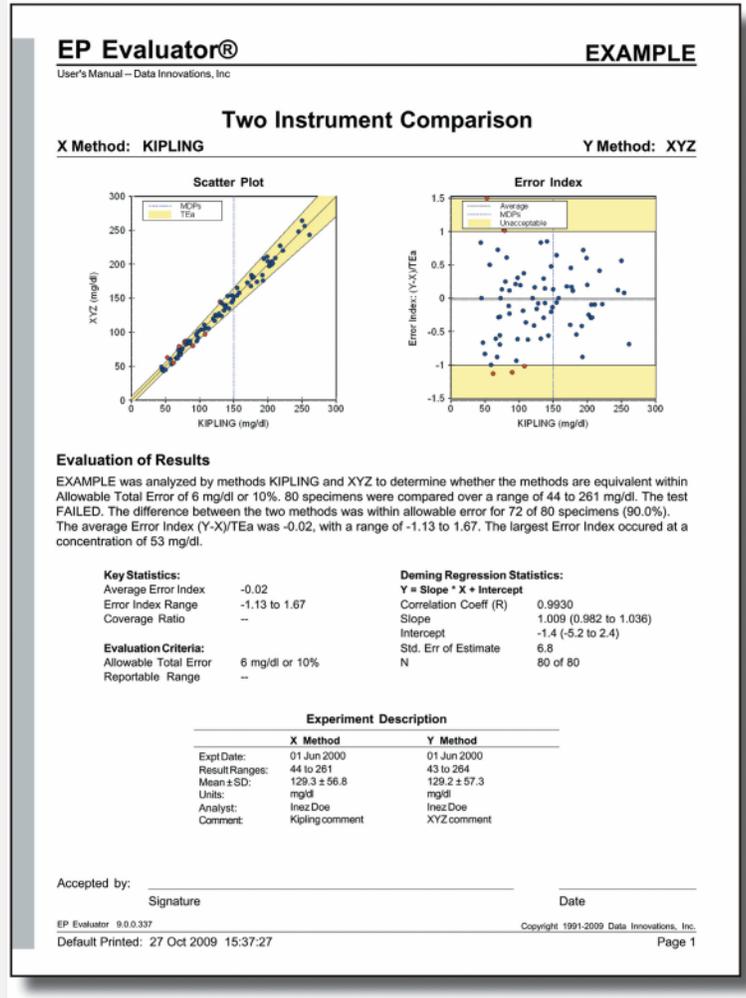


Conduct multiple instrument comparisons



Validate according to your lab's specific ranges

Instant, easy-to-read, inspector-ready reports



- Rapid
- High-throughput
- Easy-to-read, printable reports
- Regulation compliant with CLIA, The CAP, The Joint Commission, and COFRAC requirements

Current environment and how EP Evaluator can help



1. Comparing performance between Laboratory Developed Assays and Manufacturer provided assays on one or more platforms
2. Onboarding a new assay on an existing platform or go-live on new instrument
3. Running periodic Performance Verification studies to meet CLIA or The CAP requirements
4. Trying to create laboratory developed assays under the FDA-Emergency Use Authorization (EUA)

Use Cases: Comparing LDTs vs Comm Tests, Onboarding New Assays, Running PVs

Statistical Modules	EP Module	Short Description
Precision	SP	Simple Precision experiments evaluate the degree to which repeated measurements of the same specimen (or specimens) show the same result. To do this statistically it calculates mean, SD, and CV.
Linearity	Linearity and Cal Verification	
Method Comparison	Alternate (Quantitative)	Basic correlation
	QMC	Concordance-Compares results from qualitative or semi-quantitative methods.



Use Case: Creating an LDT

CLSI /EP Guideline	EP Module	Short Description
EP 5	<u>CP - Complex Precision</u>	CP calculates within run, between run, between day, and total precision. The CLSI EP5 protocol is a subset of this statistical module.
EP 6	EP6 - Linearity	This module verifies linearity.
EP 7	EP7-Interference	Interference estimates the maximum level of an interferent that can be present without causing a clinically significant change in the analyte measurement.
EP 9	EP9 A2 - Method Comparison EP9 A23 - Method Comparison	EP9A2 (based on CLSI EP09-A2) EP9A2 is a statistically rigorous method comparison protocol that requires a minimum of 39 specimens assayed in duplicate. EP9A3 (based on CLSI EP09-A3) The EP9A3 module is a new advanced method comparison module designed for use with the CLSI protocol document.
<u>EP10</u>	CLSI EP10 Preliminary Evaluation	This module is a fast, simple, protocol to do a preliminary evaluation of a new method for linearity, recovery, precision, carryover, and drift.
(12)	QMC	Compares results from qualitative or semi-quantitative methods.
(17)	LOQ	Sensitivity determines the lowest concentration that can be measured with acceptable precision.
(28)	VRI ERI/ROC	Verification of Reference Interval (VRI) uses a minimum of twenty values to verify a previously established reference interval. (ERI) establishes a new reference interval
(21)	6SIG	provides guidelines for setting an Allowable Total Error goal.
(25)	STB EP25	evaluates rate of measurand drift.
(15)	SP	Simple Precision experiments evaluate the degree to which repeated measurements of the same specimen (or specimens) show the same result. To do this statistically it calculates mean, SD, and CV.

EE EP Evaluator [Covid] - □ ×

File Edit Module Experiment RRE ERI View Utilities Tools Help

Project- Covid

Statistical Modules

Precision	Simple Complex (incl CLSI EP5)	Quick Help Manage Projects Online EE Resources Tutorial
Accuracy and Linearity	Linearity and Calibration Verification Simple Accuracy EP6 Linearity Trueness	
Method Comparison	Alternate (Quantitative) CLSI EP9A2 CLSI EP9A3 Qualitative and SemiQuant 2-Instrument Comparison Multiple Instrument Comparison Glucose POC Instrument Evaluation Hematology Studies	
Sensitivity	CLSI EP10 Preliminary Evaluation Carryover Six Sigma Metrics Performance Standards Interference (CLSI EP7) Cost per Test Average of Normals Histogram and Descriptive Stats Stability	
Reference Interval		
Coag		
Other		

Evaluator[®]
 by Assurance ... Simplified™

Ease-of-use

Data Entry Type	Considerations	EP Evaluator Product Type	Grade
Manual entry	Slow speed of entry, typos, one analyte at a time	All	Good
Rapid keyboard entry from instrument printouts using a panel defined worksheet	Rapid Results Entry (RRE)	Standard	Good
Copy-and-paste from Microsoft Excel	RRE Wizard for multiple analytes, multiple instruments – but still need to put the data into the worksheet	Standard	Better
Instrument data capture – RRE Wizard	Cable hookup, or instrument generated file. Drivers for IVD manufacturers only	Pro	Better
Data capture from Instrument Manager	RRE – Simple data query for thousands of results	Pro	Best

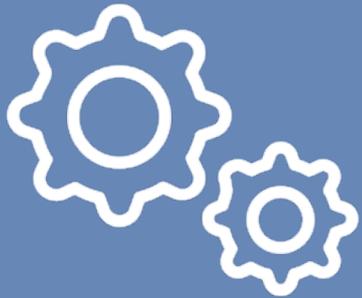
Resources



- <https://www.datainnovations.com/ep-evaluator-resources>
- <https://www.fda.gov/medical-devices/emergency-situations-medical-devices/emergency-use-authorizations>
- <https://clsi.org/standards-development/helpful-documents-for-covid-19-testing/>

Driver Update

Evaluating Drivers



- Driver requests associated with COVID-19 testing are given the highest priority
- Beta testing will be available to any sites willing to test

COVID-19 Driver Listing

- Driver Listing can be accessed by button on website homepage
- Current list has 45+ drivers for devices associated with COVID-19 testing

A photograph of two men in a server room. The man on the right, wearing glasses and a white shirt, is pointing at a computer monitor. The man on the left, also in a white shirt, is looking at the monitor. The room is filled with server racks and computer equipment. The image has a blue tint.

Customer Support

Topics

- I. Customer Support response to COVID-19
- II. How to get help from Data Innovations
- III. How to download a driver

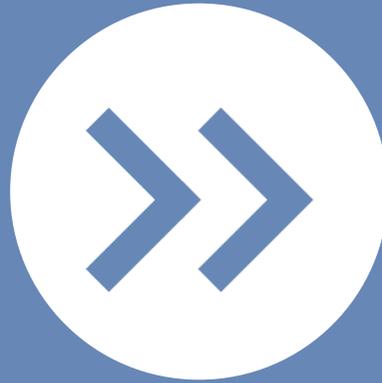
Customer Support (CS) COVID-19 Protocol

We strive to continue to use common sense, empathy, and flexibility to help support our customers



Considered high priority

Applies to all products on and off hours



Process for assistance to other departments accelerated



CS is working closely with Development, InterSystems, Training, and Professional Services

Need help? Contact us!

North America

[DINA Customer Web Portal](#)

 +1(802) 658-1955

 [Email DINA Support](#)

 09:00 - 20:00 EST/EDT
Monday - Friday

- Provide a clear description of issue to ensure expedited resolution
- Direct phone response from support team to capture complete ticket info

Questions to anticipate

- Is this COVID-19 related?
- Description of the issue or problem
 - Copy/paste error into the description
- Is this a live production system? Did this ever function as expected?
- What has changed?
- What troubleshooting has already occurred, if any?
- License # of affected Instrument Manager software
- If connection or instrument/LIS specific:
 - What is the instrument/LIS?
 - What driver & driver version is being used?
- Contact name, #, email of person to contact to begin troubleshooting.
- If you have data, let us know.

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A few key considerations

North America

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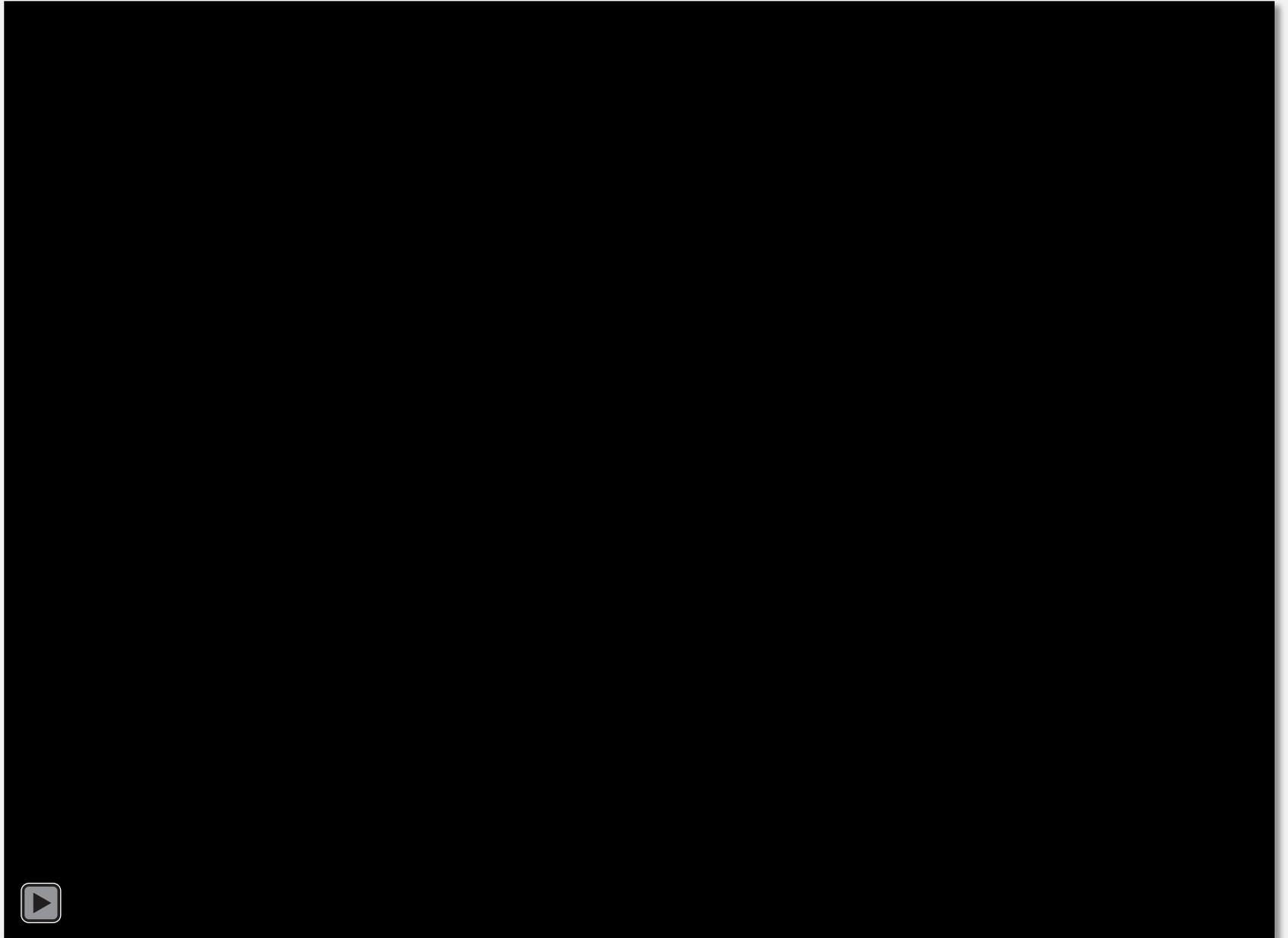
Email DINA Support

09:00 - 20:00 EST/EDT
Monday - Friday

- Escalation procedures vary from site-to-site
 - Are you to work directly with Data Innovations or through a Business Partner?
- Know where your Instrument Manager server is physically located and who can access it
- Know your IM license number for quicker identification of your site

Downloading a Driver

[Click here to see the
screen capture video](#)



Lab Q&A

Lab Q&A

Samantha K. Miller, MPA, MLS (ASCP)CM
LIS Analyst

- Hurley Medical Center, Flint, MI

Dr. Samuel Reichberg, Associate Medical
Director

- Northwell Health Laboratories, New York, NY



Questions?

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www.datainnovations.com

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 [Email DINA Support](#)

 09:00 - 20:00 EST/EDT

Monday - Friday

Latin America

[DILA Customer Web Portal](#)

 (+55) (11) 380 13283

 [Email DILA Support](#)

 08:30 to 18:00 BRT/BRST

Monday - Friday

EMEA

[DIEMEA Customer Web Portal](#)

 Belgium: (+32) (2) 332 24 13

UK: (+44) (330) 808 0025

France: (+33) (1) 76 63 74 20

 [Email DIEMEA Support](#)

 08:00 to 18:00 CET/CEST

Monday - Friday

Asia Pacific

[DIA Customer Web Portal](#)

 +(852) 2398-3182

 [Email DIA Support](#)

 09:00 to 18:00 HKT

Monday - Friday