Webinar

Using your data to create real value from your IH program

April 21, 2020

Sean Baldry, CRSP
Product Marketing Manager

Erin Snyder, CIH
Manager, Engineered Solutions

cority

About Cority

Our mission is to partner with organizations to effect meaningful change in the way EHSQ is managed

- 30+ years of innovation & domain expertise
- Over 1,200 customers across 70 countries
- Solutions designed & supported by EHSQ experts
- Highest levels of client satisfaction
- Most comprehensive and secure SaaS platform

"Specifically, [Cority] has the highest scores in industrial hygiene (2.6/3.0) across all EHS software providers assessed"

Source: Verdantix Green Quadrant EHS Software 2019

Current Context

Key Trends

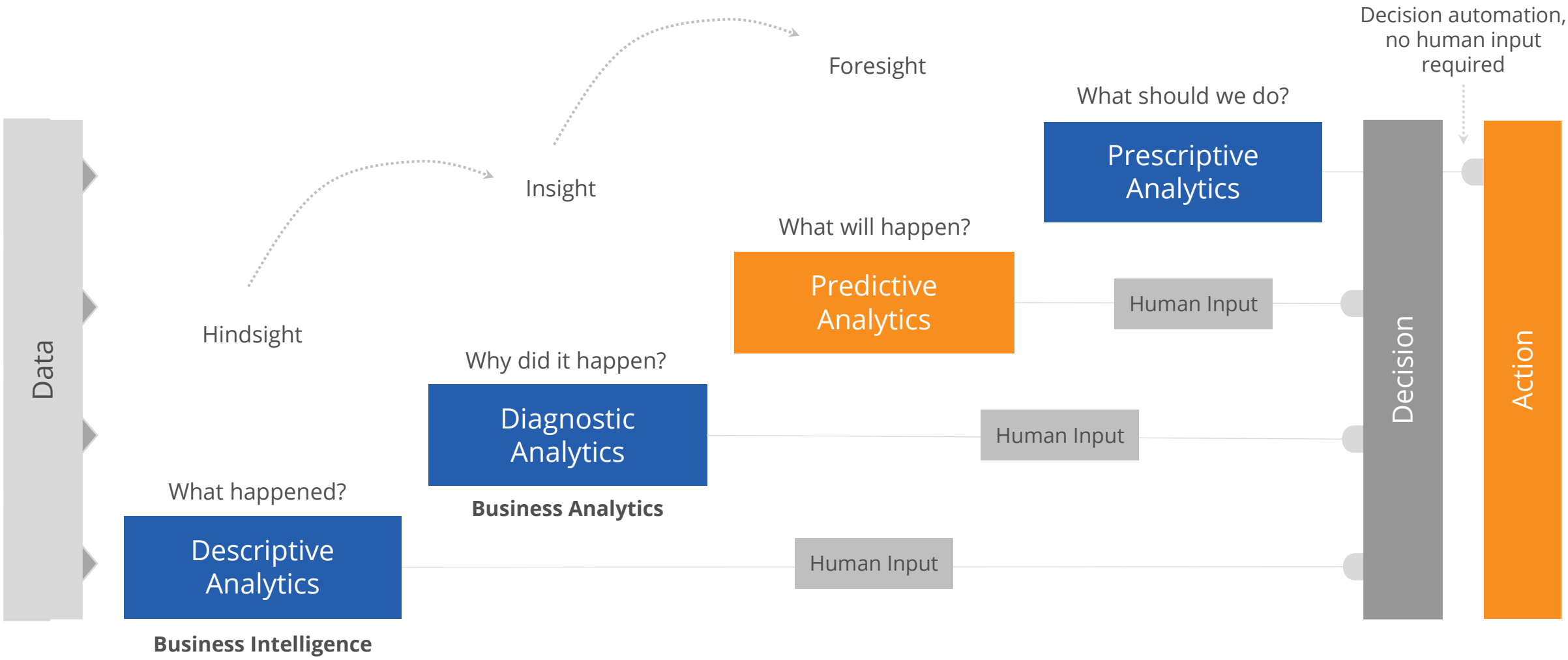
- Declining IH investments
- Shift toward EHS generalist approach
- Greater complexity
- Big Data

Key Challenges

- Demonstrating IH value
- Improving EHS efficiency
- Offsetting competency gaps
- Translating data into meaningful insights

cority

Shift toward predictive analytics



Source: Adapted from Gartner Analytics Maturity Model (2016)

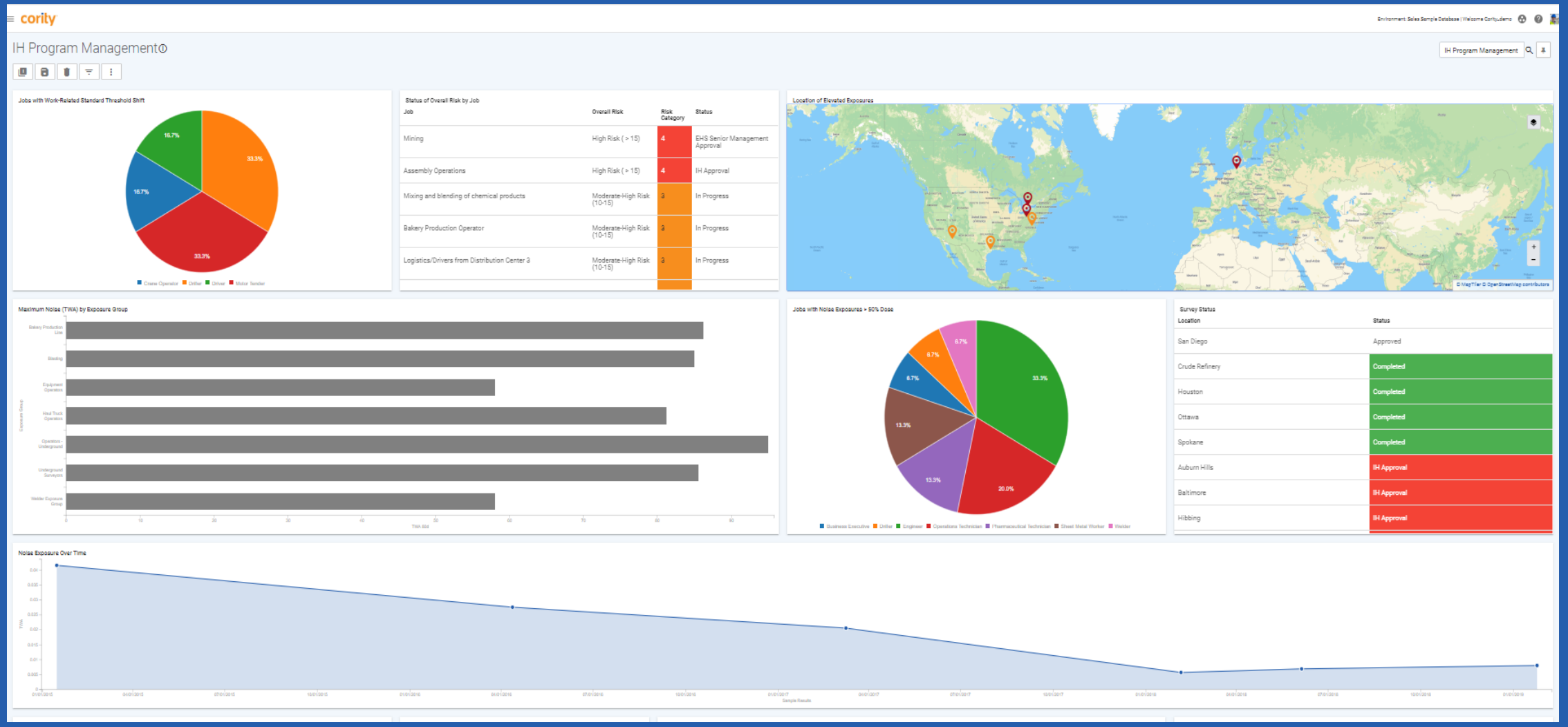
Scenario

The EHS Department has identified an increase in occupational hearing loss claims in recent months. The hygienist is tasked to identify an underlying cause for the standard threshold shifts (STS), and to identify what actions need to be taken to prevent additional hearing loss.

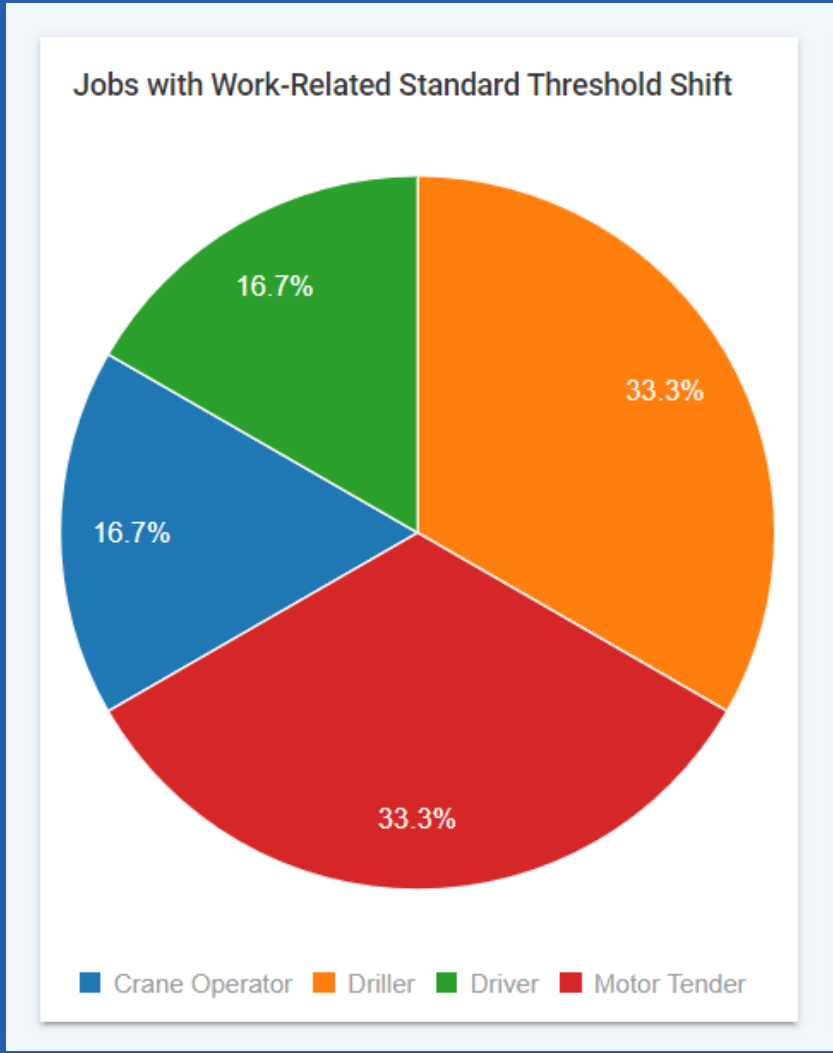
The hygienist will use Cority to:

- View where in the organization STSs have been reported
- Evaluate related risk assessments
- Create monitoring plans to track employee exposure
- Assign follow-up actions as needed for controls, PPE assignment, training, etc.
- Confirm employee enrollment in appropriate SEGs, including Hearing Conservation Program

Dashboards


cority
IH Program Management
IH Program Management
Jobs with Work-Related Standard Threshold Shift
16.7%
33.3%
16.7%
33.3%
Crane Operator
Driller
Driver
Motor Tender
Status of Overall Risk by Job
Job
Overall Risk
Risk Category
Status
Mining
High Risk (> 15)
4
EHS Senior Management Approval
Assembly Operations
High Risk (> 15)
4
IH Approval
Mixing and blending of chemical products
Moderate-High Risk (10-15)
3
In Progress
Bakery Production Operator
Moderate-High Risk (10-15)
3
In Progress
Logistics/Drivers from Distribution Center 3
Moderate-High Risk (10-15)
3
In Progress
Location of Elevated Exposures
Maximum Noise (TWA) by Exposure Group
Bakery Production Line
Blasting
Equipment Operators
Haul Truck Operators
Operators - Underground
Underground Surveyors
Welder Exposure Group
Exposure Group
TWA 8hr
Jobs with Noise Exposures > 50% Dose
8.7%
8.7%
8.7%
33.3%
13.3%
13.3%
20.0%
Business Executive
Driller
Engineer
Operations Technician
Pharmaceutical Technician
Sheet Metal Worker
Welder
Survey Status
Location
Status
San Diego
Approved
Crude Refinery
Completed
Houston
Completed
Ottawa
Completed
Spokane
Completed
Auburn Hills
IH Approval
Baltimore
IH Approval
Hibbing
IH Approval
Noise Exposure Over Time
TWA
Sample Results

Leveraging a unified solution



- IH is just one component in a comprehensive EHSQ program
- An integrated system will help promote sharing of relevant data across EHSQ functions, ensuring coordination of key initiatives
- Leverage data from other teams – STS results from OH, and risk data from Safety will help IH anticipate where to focus on noise dosimetry

Risk-based approach

- Use risk assessment data to determine where anticipated highest exposures may occur
- Prioritize where to focus IH resources and budget
- Build sampling plans using risk-based decisions, not “best guess” strategy

Status of Overall Risk by Job

Welding on stainless steel pipes	Moderate-High Risk (10-15)	3
Thermoplastics Line Operator	Moderate-High Risk (10-15)	3
Machine Shop	Low - Moderate Risk (5-10)	2
LabTechnician	Low - Moderate Risk (5-10)	2

Tasks-Hazards-Controls

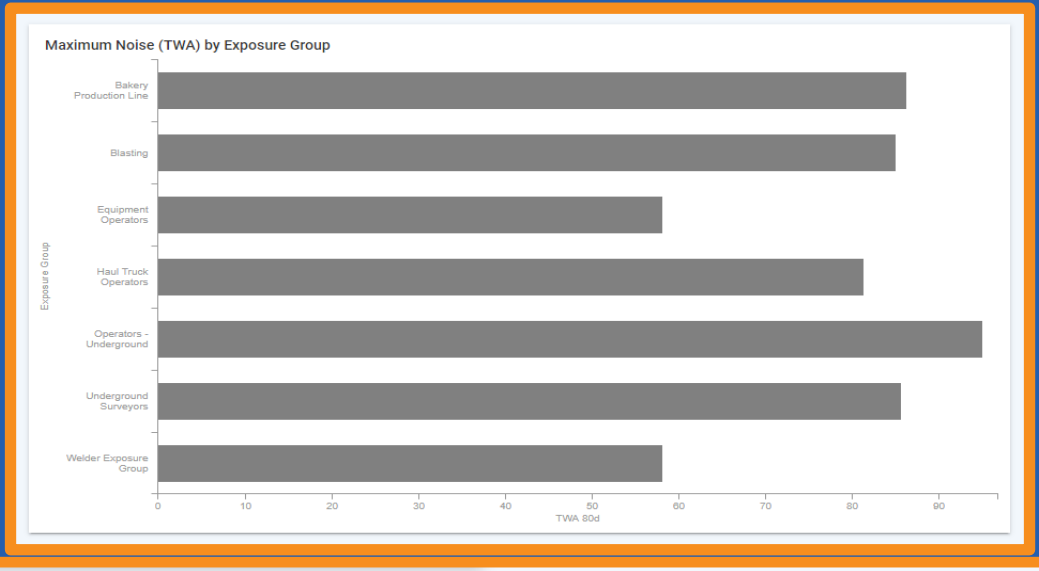
New | Edit | Delete | Actions | View: Risk Assessment Summary | View

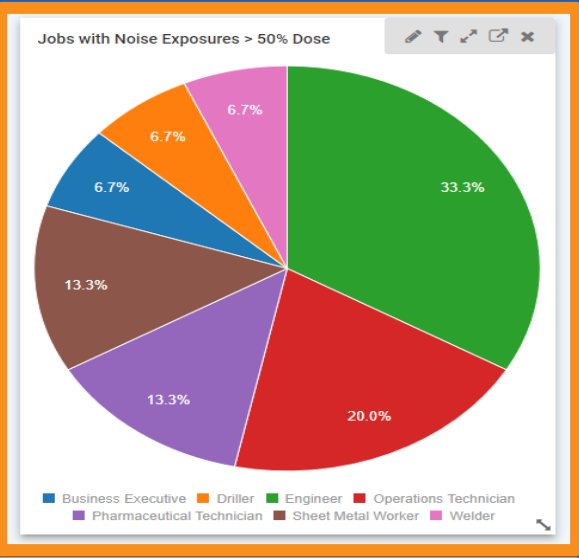
Task	Hazard	Severity	Potential	Frequency	Duration	Control	Rating	Risk	Icon	Description	Priority
SDS Metal Cleaning, Chemical	Toluene	100 - 499 ppm or 1-4 mg/m3 (Moderately Toxic)	<10% LTA-OEL	Weekly	1-3 hours/day	Open Process w/ Ineffective/No Engineering Ctrls	3.11	9.33		Low - Moderate Risk (5-10)	9.33
Welding, TIG	Noise	Noise Level between 85 dB - 90 dB	10%-50% LTA-OEL	Weekly	3-6 hours/day	Partially Enclosed w/ Effective Engineering Ctrls	2.16	6.48		Low - Moderate Risk (5-10)	6.48

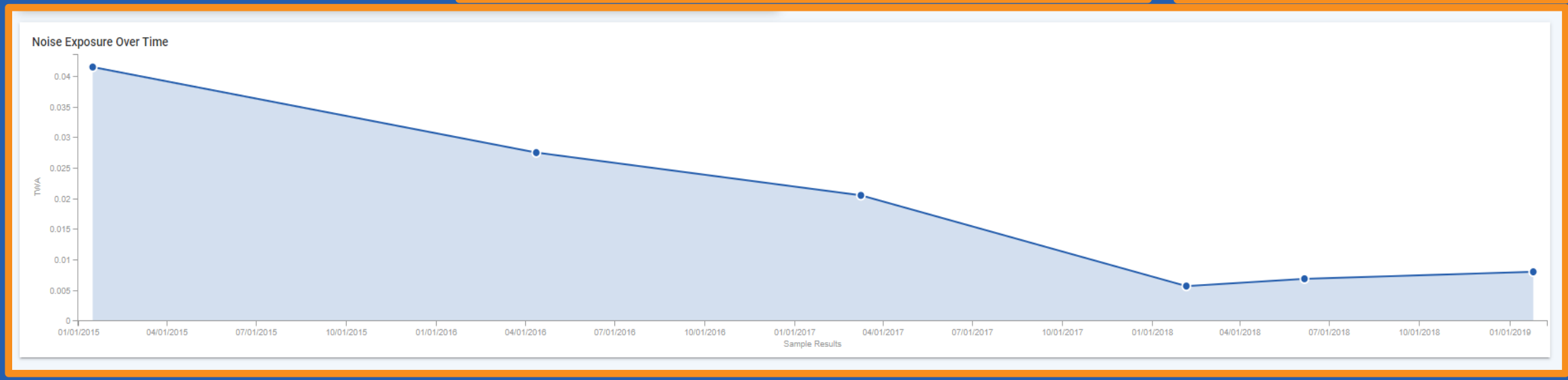
cority

Risk-based approach

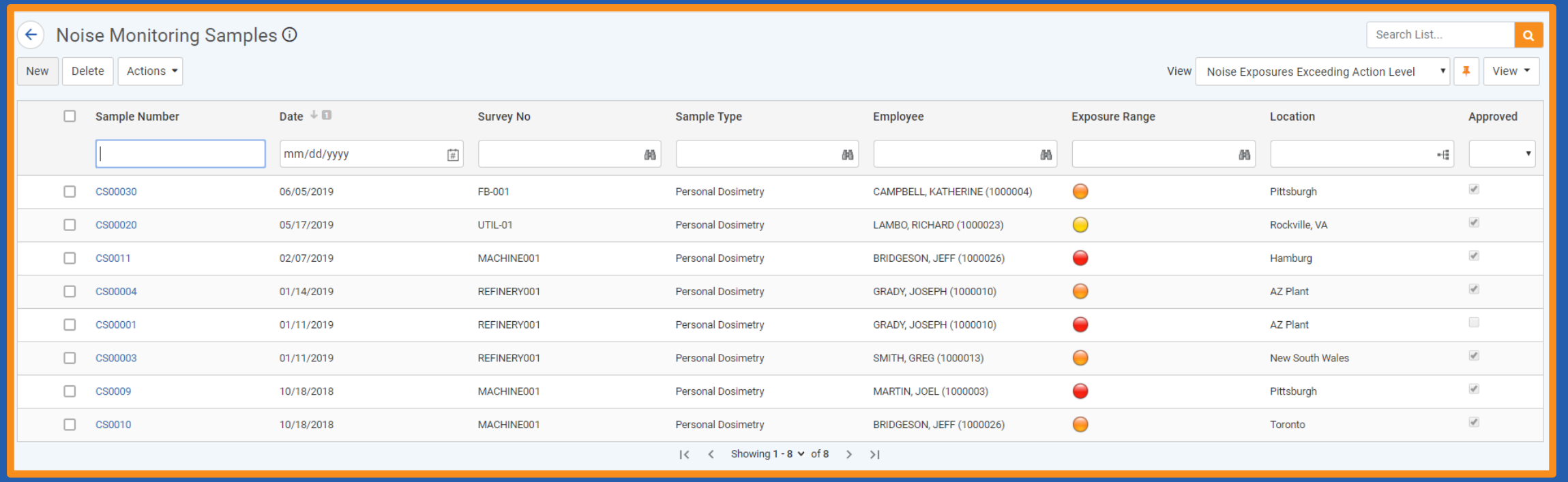
- Leverage data to create a focused evaluation, rather than a scattered approach, saving time and money
- Concentrate on those areas/tasks that have shown to be highest risk





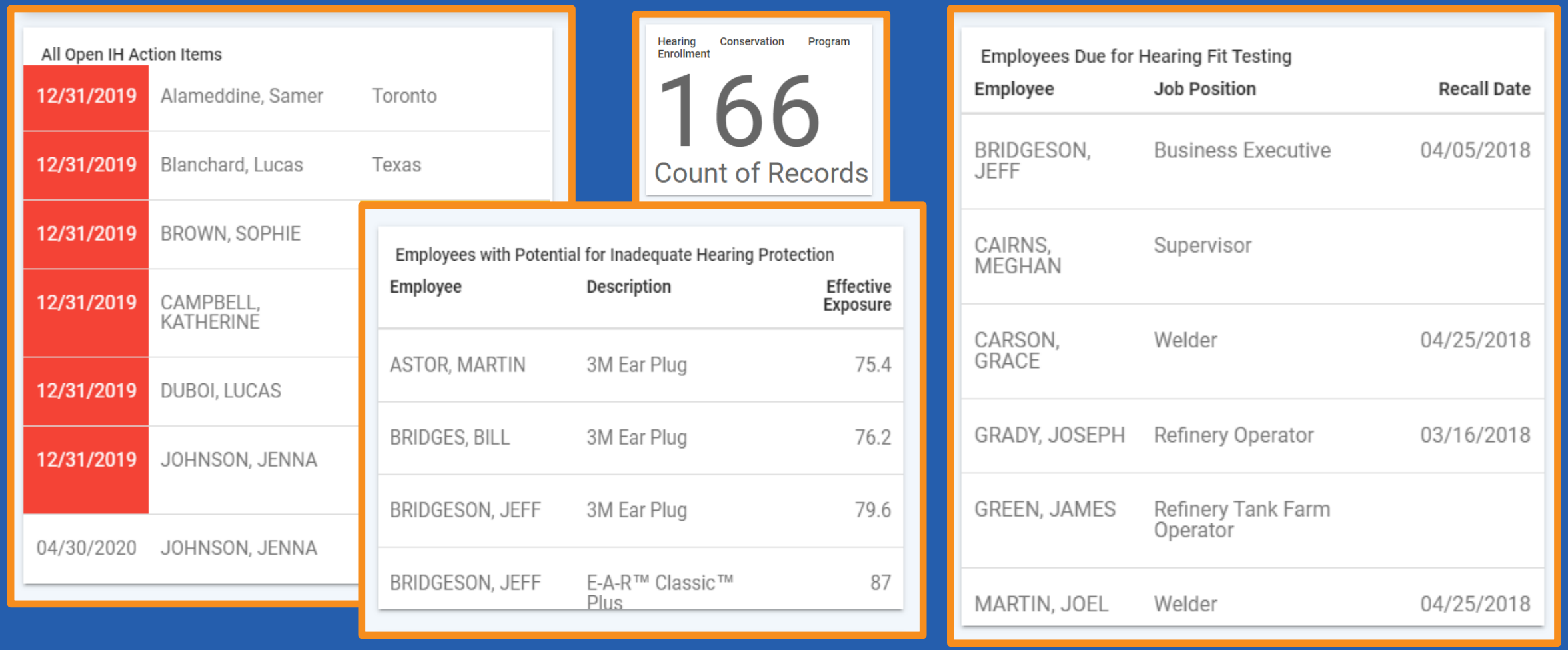


Evaluate results



- View data in a searchable format
- Filter by job/location/area
- Mine large sets of data for specific thresholds, like % OEL
- Easily manage data from multiple sites or locations in one comprehensive spot, saving time for IH

Manage Actions



All Open IH Action Items

12/31/2019	Alameddine, Samer	Toronto
12/31/2019	Blanchard, Lucas	Texas
12/31/2019	BROWN, SOPHIE	
12/31/2019	CAMPBELL, KATHERINE	
12/31/2019	DUBOI, LUCAS	
12/31/2019	JOHNSON, JENNA	
04/30/2020	JOHNSON, JENNA	

Hearing Conservation Program Enrollment

166

Count of Records

Employees with Potential for Inadequate Hearing Protection

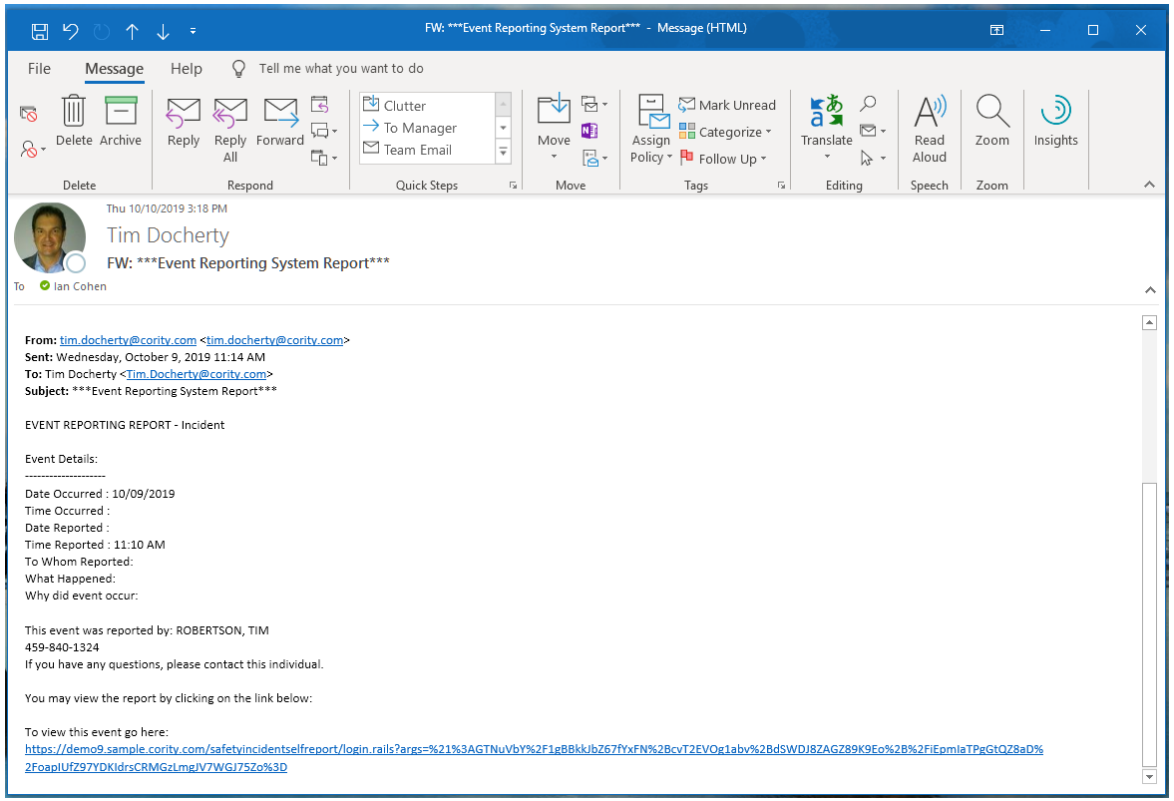
Employee	Description	Effective Exposure
ASTOR, MARTIN	3M Ear Plug	75.4
BRIDGES, BILL	3M Ear Plug	76.2
BRIDGESON, JEFF	3M Ear Plug	79.6
BRIDGESON, JEFF	E-A-R™ Classic™ Plus	87

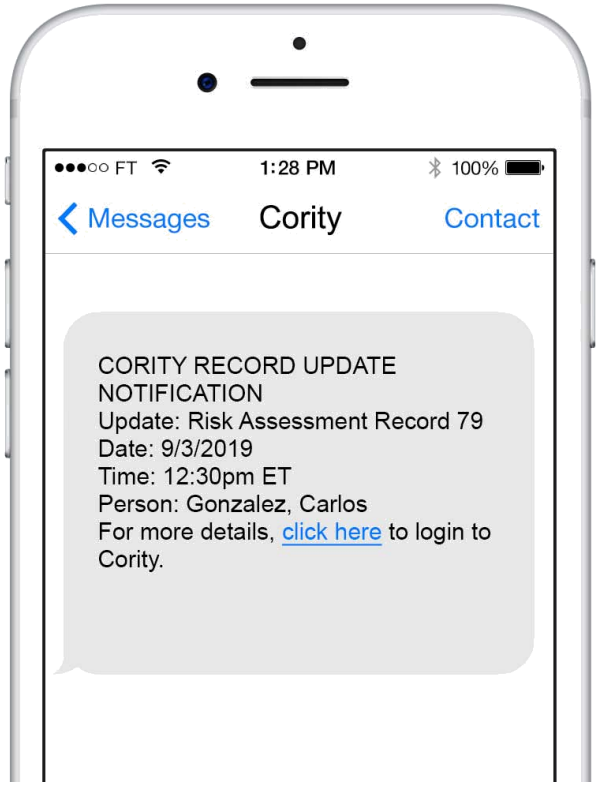
Employees Due for Hearing Fit Testing

Employee	Job Position	Recall Date
BRIDGESON, JEFF	Business Executive	04/05/2018
CAIRNS, MEGHAN	Supervisor	
CARSON, GRACE	Welder	04/25/2018
GRADY, JOSEPH	Refinery Operator	03/16/2018
GREEN, JAMES	Refinery Tank Farm Operator	
MARTIN, JOEL	Welder	04/25/2018

Automated Notifications

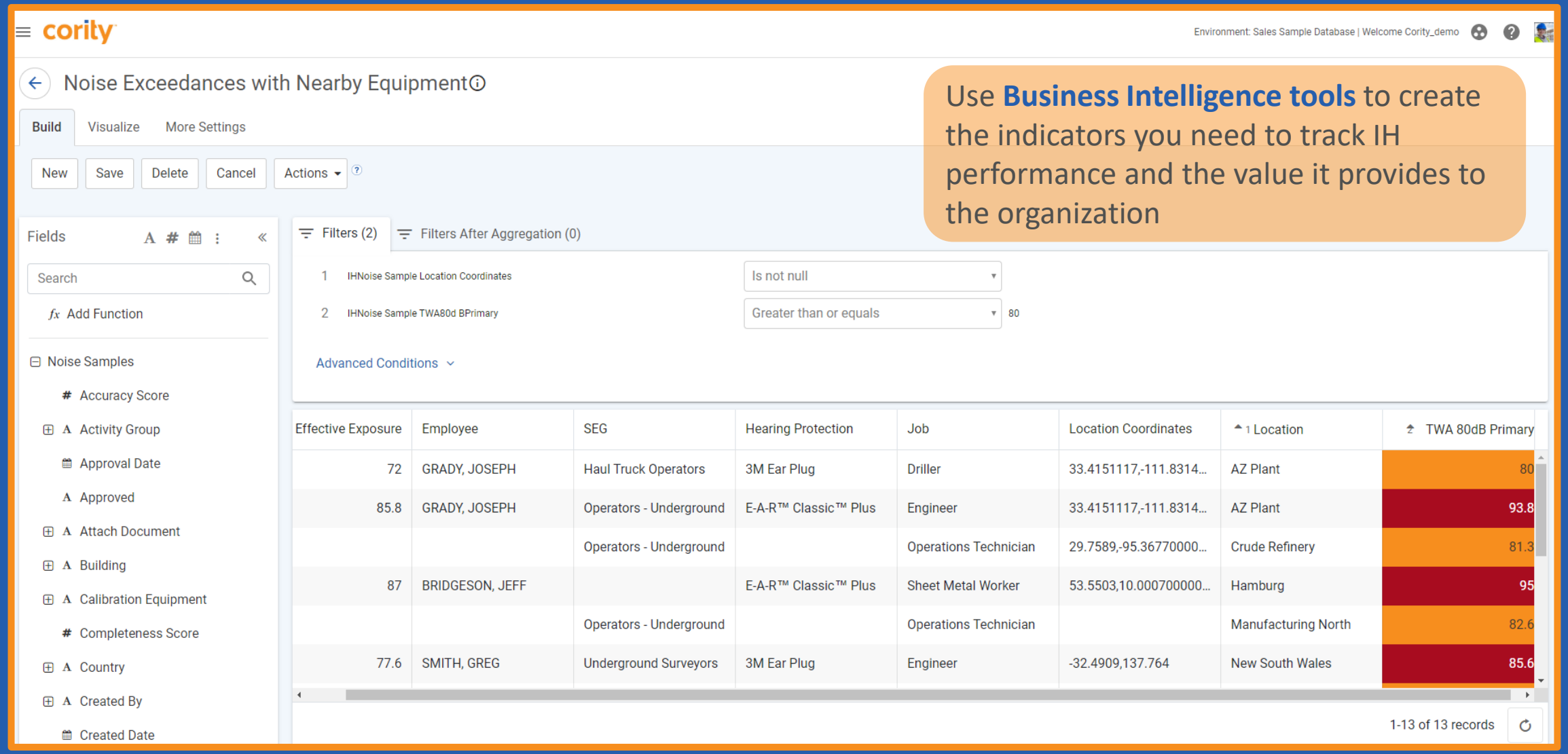
With advanced business rules, automated notifications can be sent to applicable users via email or SMS text message to ensure important information is shared quickly and accurately, and never forgotten.



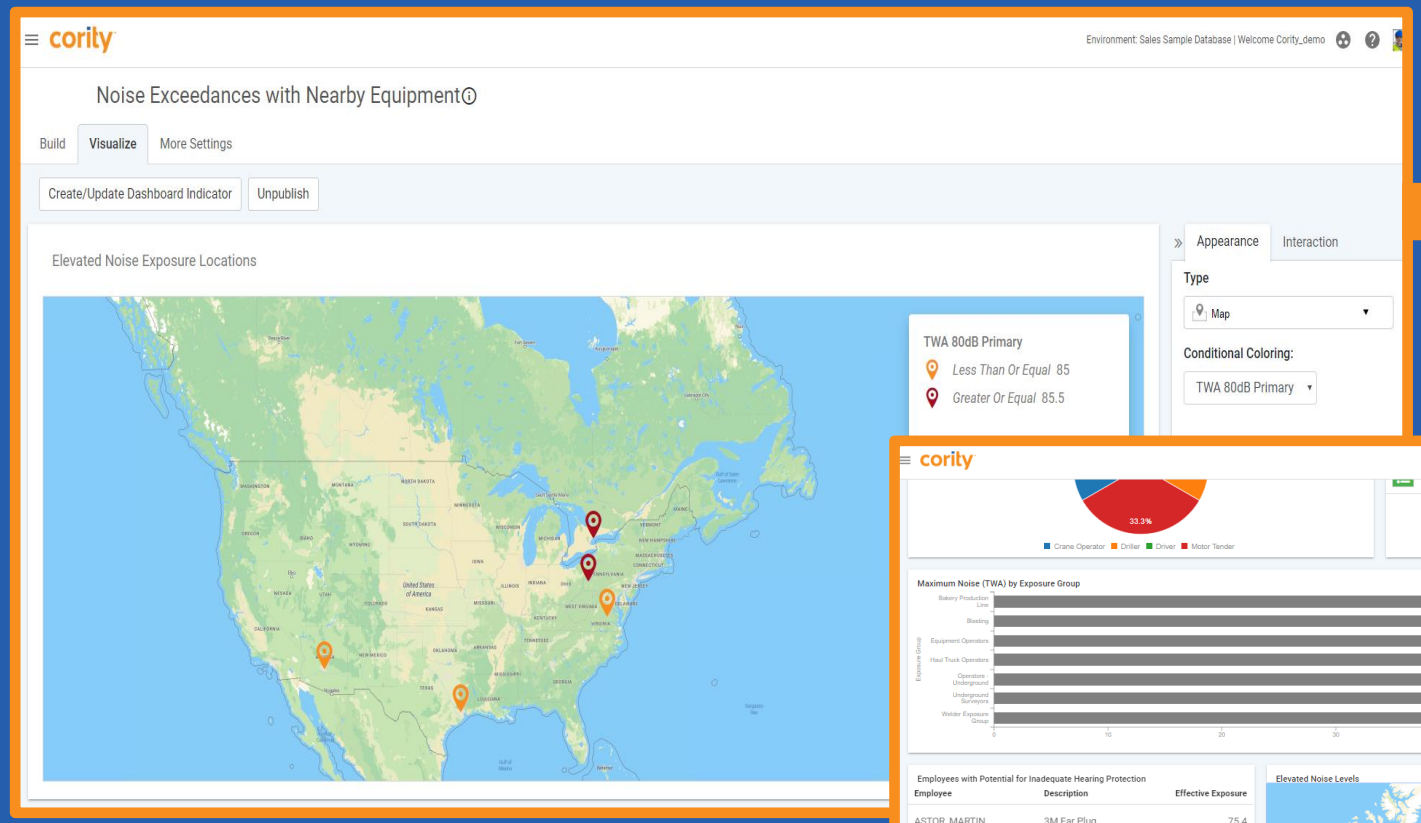


cority

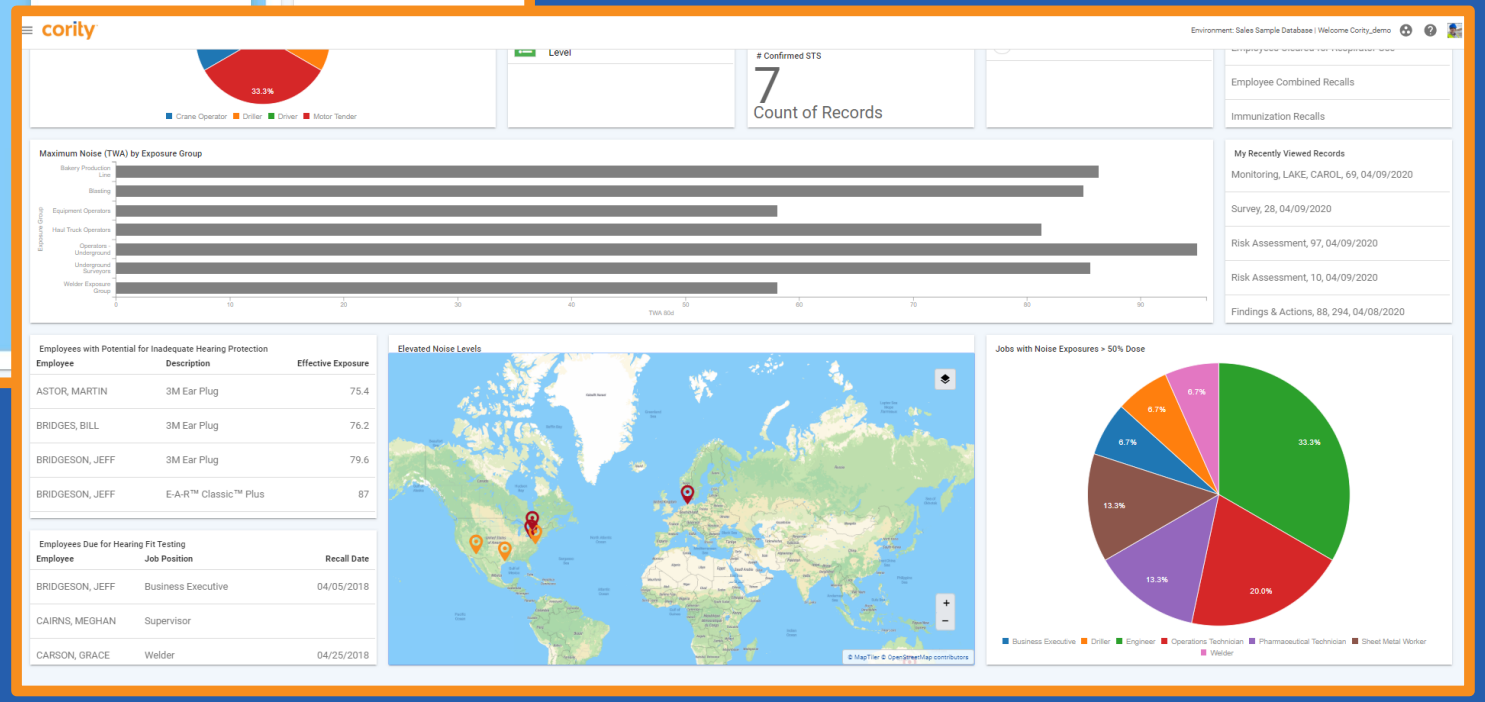
Business Intelligence



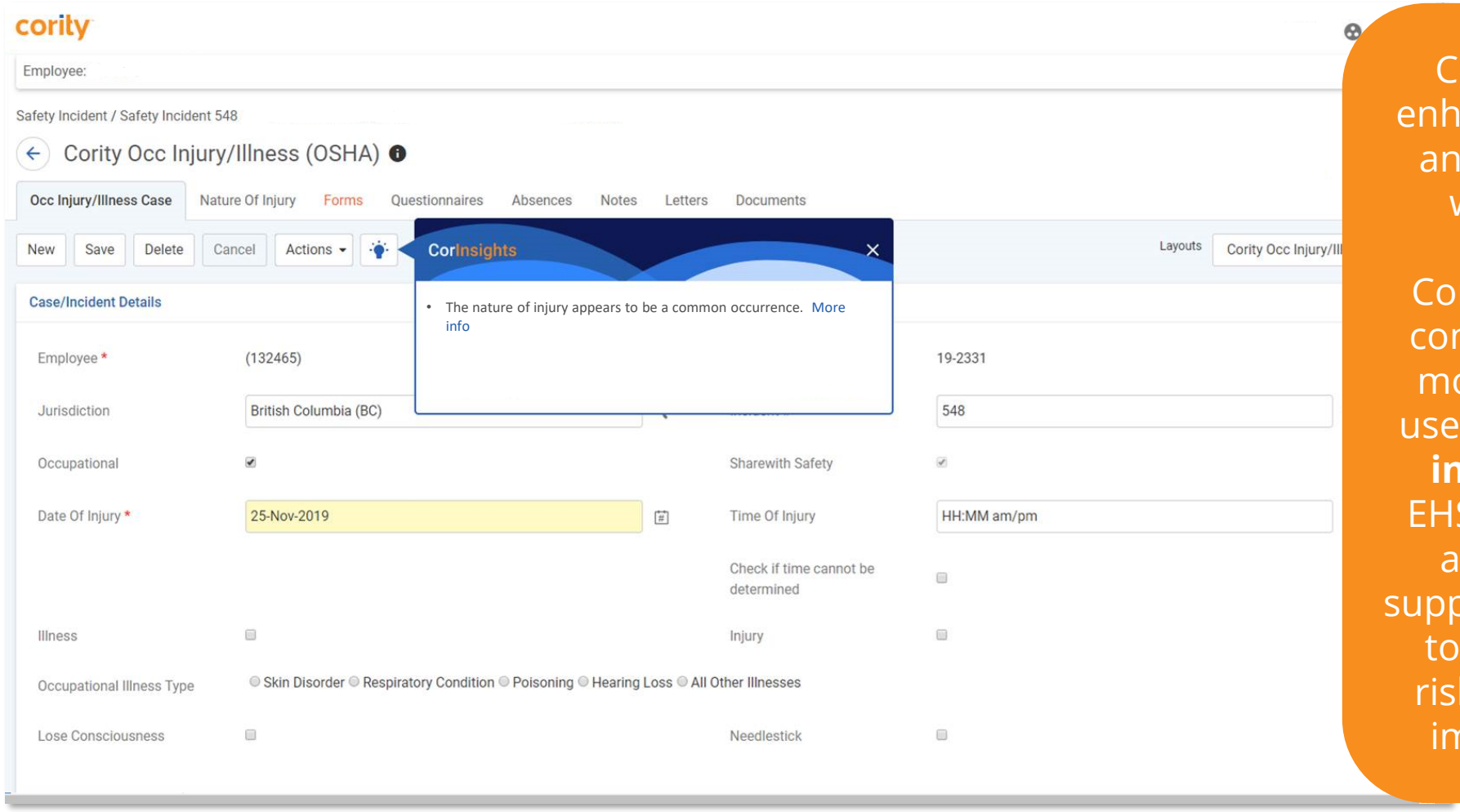
Business Intelligence



A noise exposure map can be added to the original dashboard to help monitor risks



Analytics & Insights

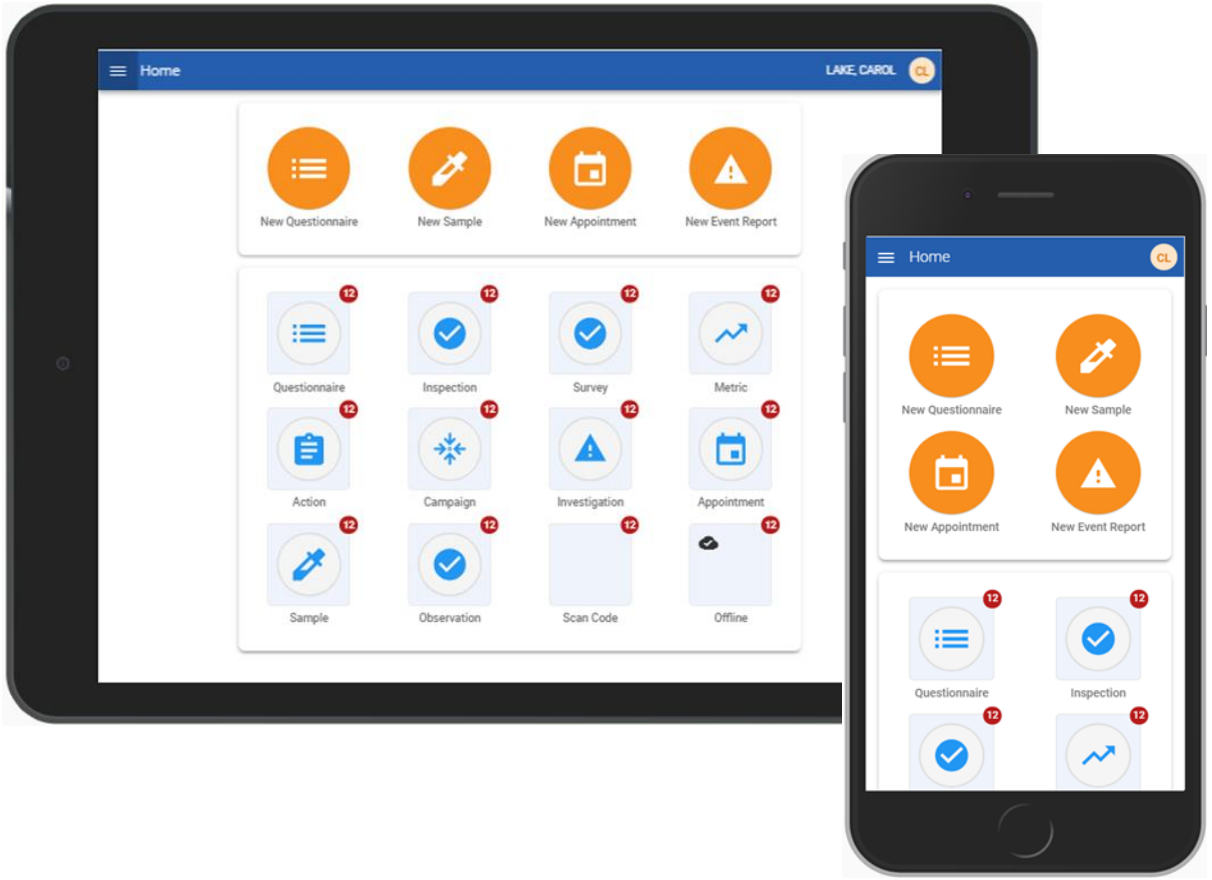


Cority has recently enhanced its predictive analytics capabilities with **CorInsights**

CorInsights leverages continuous predictive modelling to provide users with **automated insights** from their EHSQ data, to identify areas of need and support decision making to control emerging risks that may not be immediately visible

Mobility

Engagement through Technology



Cority's platform features are also available through our **myCority** mobile application, where **we put the power of EHSQ in the hands of the "doers".**

Mobility ensures the IH professionals time is optimized by providing the ability to manage EHSQ workflows from the field

myCority allows you to:

- Collect & submit IH samples from the field
- Assign corrective actions and track progress
- Share IH monitoring results with workers
- Share IH metrics to help drive performance and support decision making

Questions

You can find more resources on how Cority can help you create real value from your IH program at:

https://www.cority.com/ehsq-software/industrial-hygiene/

If you have questions, please reach out to us:

erin.snyder@cority.com

sean.baldry@cority.com