

Webinar

# Using your data to create real value from your IH program

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**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

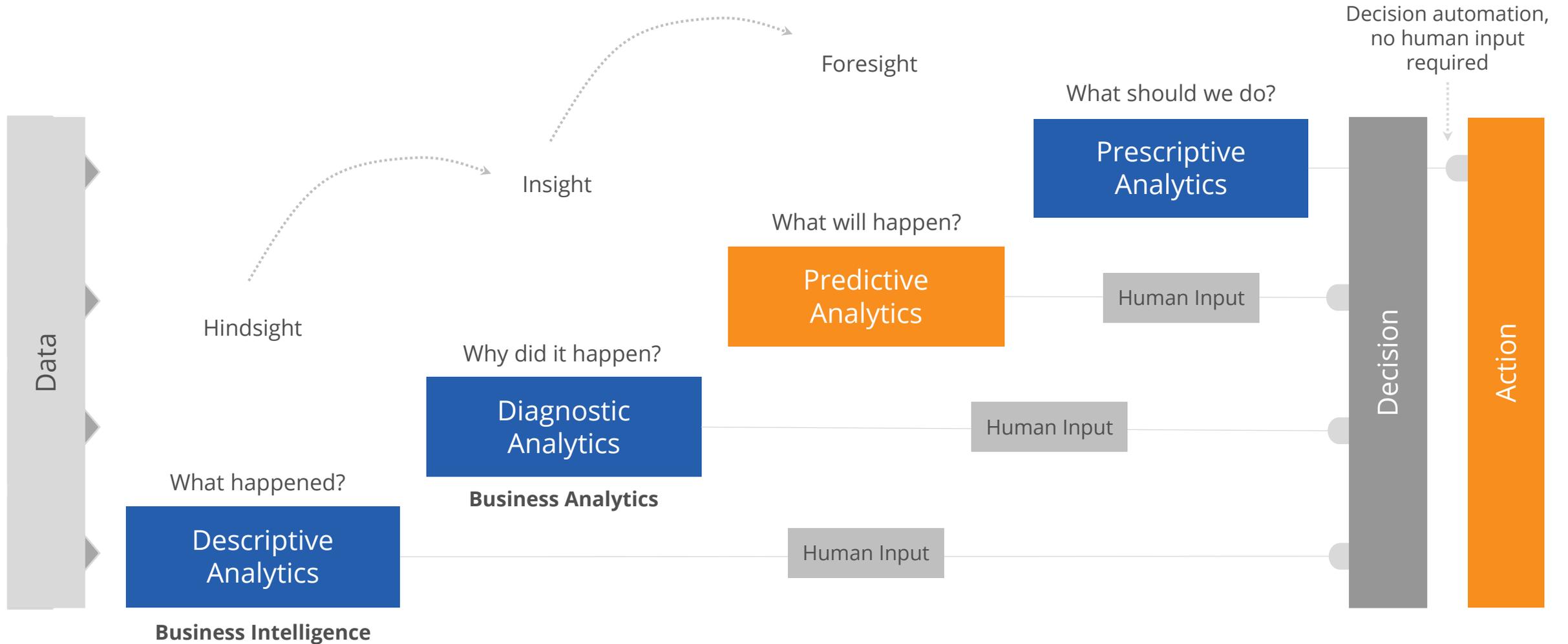
## Key Trends

- 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

# Shift toward predictive analytics

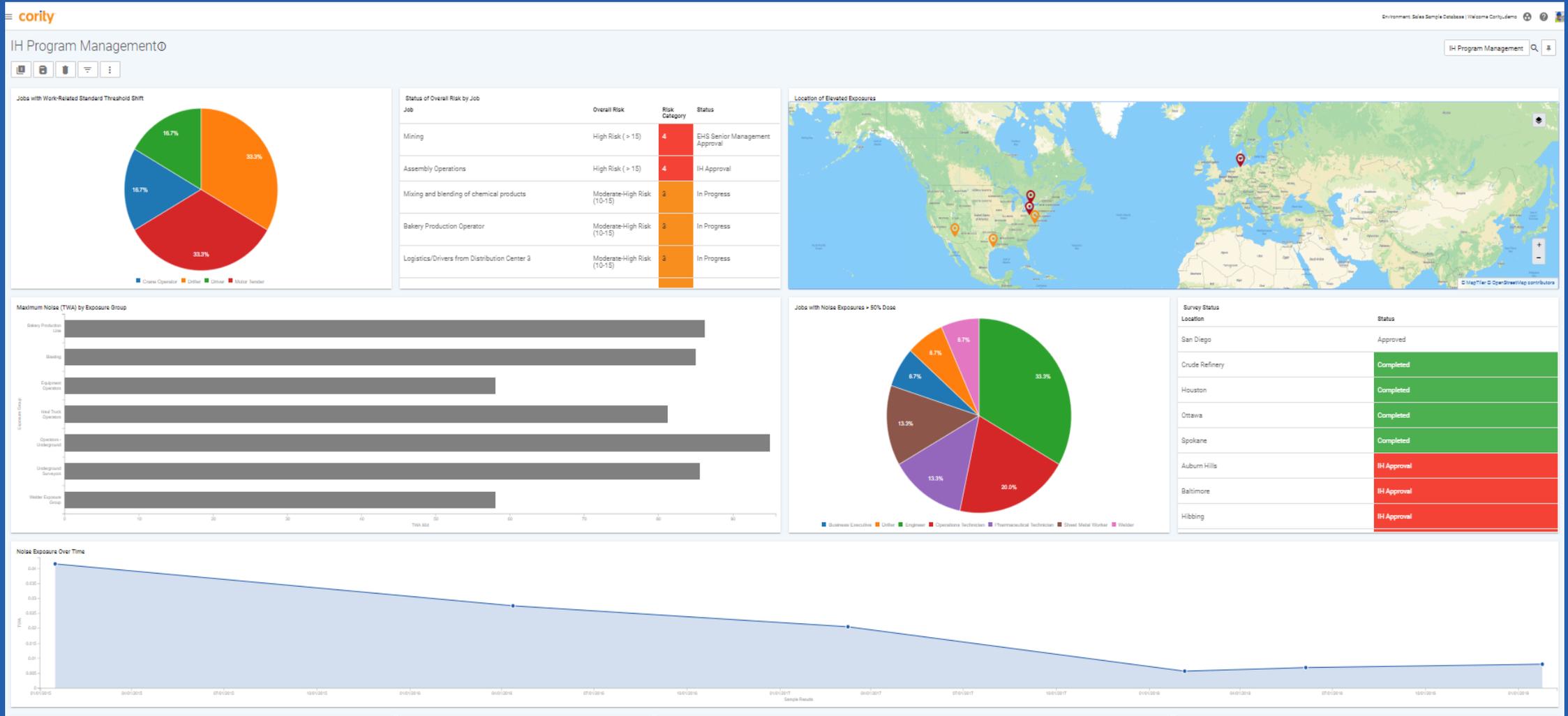


Source: Adapted from Gartner Analytics Maturity Model (2016)

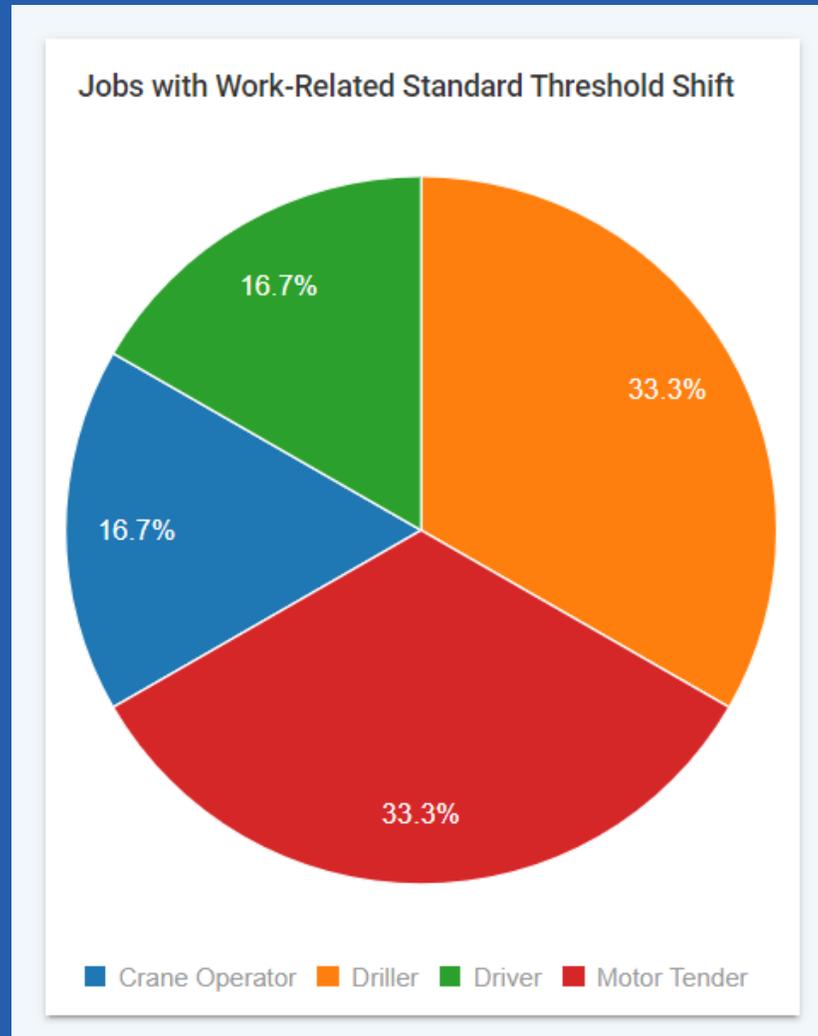
The EHS Department has identified an increase in occupational hearing loss claims in recent months. The hygienist is tasked to identify an underlying cause for the standard threshold shifts (STS), and to identify what actions need to be taken to prevent additional hearing loss.

## **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



# 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

- 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 (10-15)		
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
Lab Technician	Low - Moderate Risk (5-10)	2

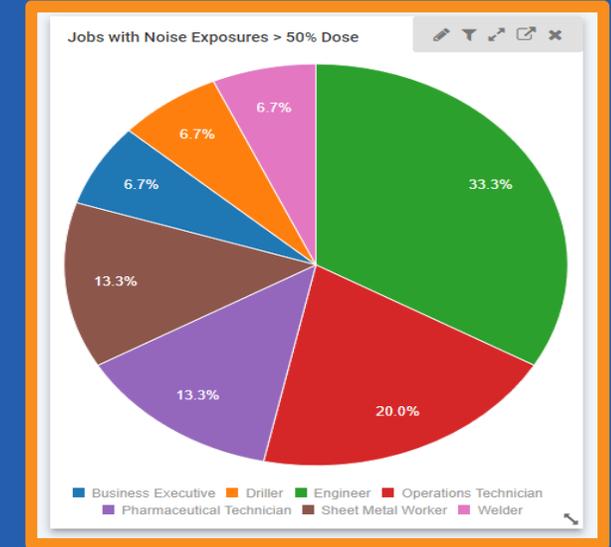
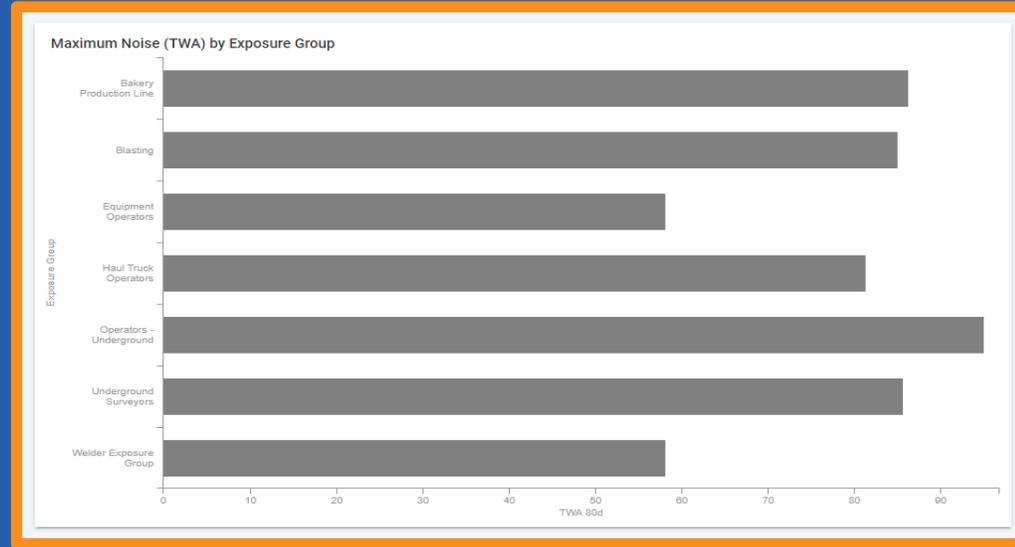
Tasks-Hazards-Controls

New Edit Delete Actions

View Risk Assessment Summary View

<input type="checkbox"/>	Task ↑	Hazard	Severity	Potential	Frequency	Duration	Control	Rating	Risk	Icon	Description	Priority
<input type="checkbox"/>	<a href="#">↑</a> <a href="#">↓</a> <a href="#">SDS</a> <a href="#">↗</a> 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
<input type="checkbox"/>	<a href="#">↓</a> 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

- 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



← Noise Monitoring Samples ⓘ

Search List... 🔍

New Delete Actions ▾

View Noise Exposures Exceeding Action Level 📌 View ▾

<input type="checkbox"/>	Sample Number	Date ↓ ⓘ	Survey No	Sample Type	Employee	Exposure Range	Location	Approved
<input type="checkbox"/>	<input type="text"/>	<input type="text" value="mm/dd/yyyy"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	CS00030	06/05/2019	FB-001	Personal Dosimetry	CAMPBELL, KATHERINE (1000004)	🟡	Pittsburgh	☑
<input type="checkbox"/>	CS00020	05/17/2019	UTIL-01	Personal Dosimetry	LAMBO, RICHARD (1000023)	🟡	Rockville, VA	☑
<input type="checkbox"/>	CS0011	02/07/2019	MACHINE001	Personal Dosimetry	BRIDGESON, JEFF (1000026)	🔴	Hamburg	☑
<input type="checkbox"/>	CS00004	01/14/2019	REFINERY001	Personal Dosimetry	GRADY, JOSEPH (1000010)	🟡	AZ Plant	☑
<input type="checkbox"/>	CS00001	01/11/2019	REFINERY001	Personal Dosimetry	GRADY, JOSEPH (1000010)	🔴	AZ Plant	☐
<input type="checkbox"/>	CS00003	01/11/2019	REFINERY001	Personal Dosimetry	SMITH, GREG (1000013)	🟡	New South Wales	☑
<input type="checkbox"/>	CS0009	10/18/2018	MACHINE001	Personal Dosimetry	MARTIN, JOEL (1000003)	🔴	Pittsburgh	☑
<input type="checkbox"/>	CS0010	10/18/2018	MACHINE001	Personal Dosimetry	BRIDGESON, JEFF (1000026)	🟡	Toronto	☑

|< < Showing 1 - 8 ▾ of 8 > >|

- 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

**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 Enrollment    Conservation Program

# 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

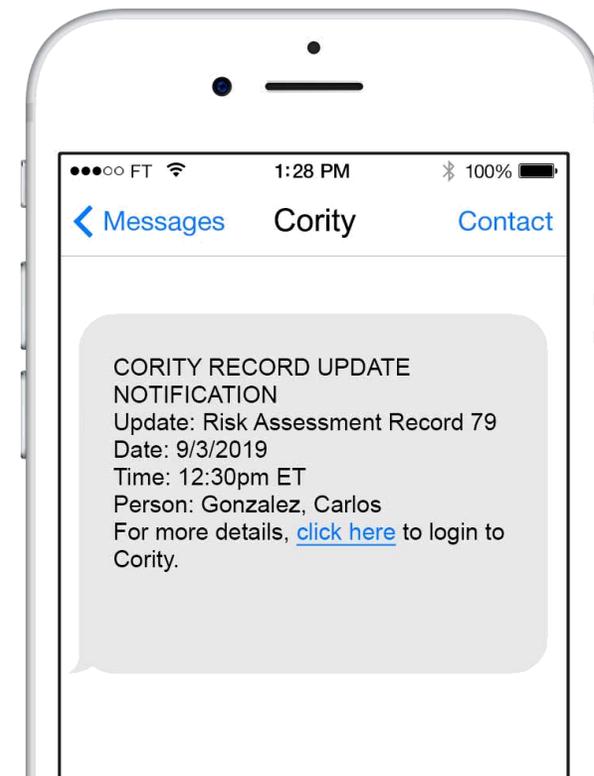
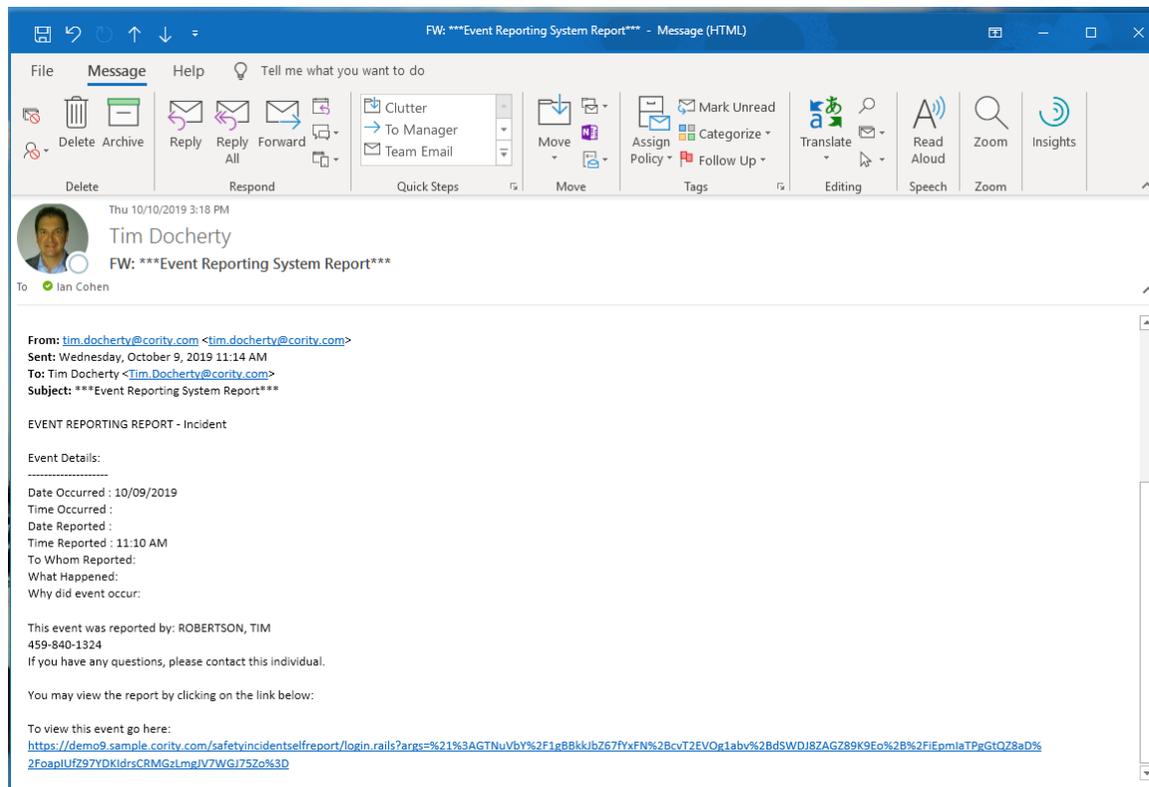
**Employees Due for Hearing Fit Testing**

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.



Environment: Sales Sample Database | Welcome Cority\_demo

← Noise Exceedances with Nearby Equipment ⓘ

Build Visualize More Settings

New Save Delete Cancel Actions ?

Fields A # 📅 : <<

Search 🔍

fx Add Function

📅 Noise Samples

- # Accuracy Score
- 📅 A Activity Group
- 📅 Approval Date
- A Approved
- 📅 A Attach Document
- 📅 A Building
- 📅 A Calibration Equipment
- # Completeness Score
- 📅 A Country
- 📅 A Created By
- 📅 Created Date

Filters (2) Filters After Aggregation (0)

1 IHNoise Sample Location Coordinates Is not null

2 IHNoise Sample TWA80d BPrimary Greater than or equals 80

Advanced Conditions ▾

Effective Exposure	Employee	SEG	Hearing Protection	Job	Location Coordinates	📍 1 Location	📈 TWA 80dB Primary
72	GRADY, JOSEPH	Haul Truck Operators	3M Ear Plug	Driller	33.4151117,-111.8314...	AZ Plant	80
85.8	GRADY, JOSEPH	Operators - Underground	E-A-R™ Classic™ Plus	Engineer	33.4151117,-111.8314...	AZ Plant	93.8
		Operators - Underground		Operations Technician	29.7589,-95.36770000...	Crude Refinery	81.3
87	BRIDGESON, JEFF		E-A-R™ Classic™ Plus	Sheet Metal Worker	53.5503,10.000700000...	Hamburg	95
		Operators - Underground		Operations Technician		Manufacturing North	82.6
77.6	SMITH, GREG	Underground Surveyors	3M Ear Plug	Engineer	-32.4909,137.764	New South Wales	85.6

1-13 of 13 records

Use **Business Intelligence tools** to create the indicators you need to track IH performance and the value it provides to the organization

Environment: Sales Sample Database | Welcome Cority\_demo

## Noise Exceedances with Nearby Equipment

Build Visualize More Settings

Create/Update Dashboard Indicator Unpublish

Elevated Noise Exposure Locations

Appearance Interaction

Type: Map

Conditional Coloring: TWA 80dB Primary

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

Environment: Sales Sample Database | Welcome Cority\_demo

Level

# Confirmed STS  
7  
Count of Records

Employee Combined Recalls

Immunization Recalls

My Recently Viewed Records

- Monitoring, LAKE, CAROL, 69, 04/09/2020
- Survey, 28, 04/09/2020
- Risk Assessment, 97, 04/09/2020
- Risk Assessment, 10, 04/09/2020
- Findings & Actions, 88, 294, 04/08/2020

Maximum Noise (TWA) by Exposure Group

Exposure Group	Maximum Noise (TWA)
Bakery Production Line	~85
Blasting	~80
Equipment Operators	~75
Haul Truck Operators	~80
Operators - Underground	~85
Underground Surveyors	~85
Water Exposure Group	~60

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Elevated Noise Levels

Jobs with Noise Exposures > 50% Dose

Job Category	Percentage
Business Executive	33.3%
Driller	20.0%
Engineer	13.3%
Operations Technician	13.3%
Pharmaceutical Technician	6.7%
Sheet Metal Worker	6.7%
Welder	6.7%

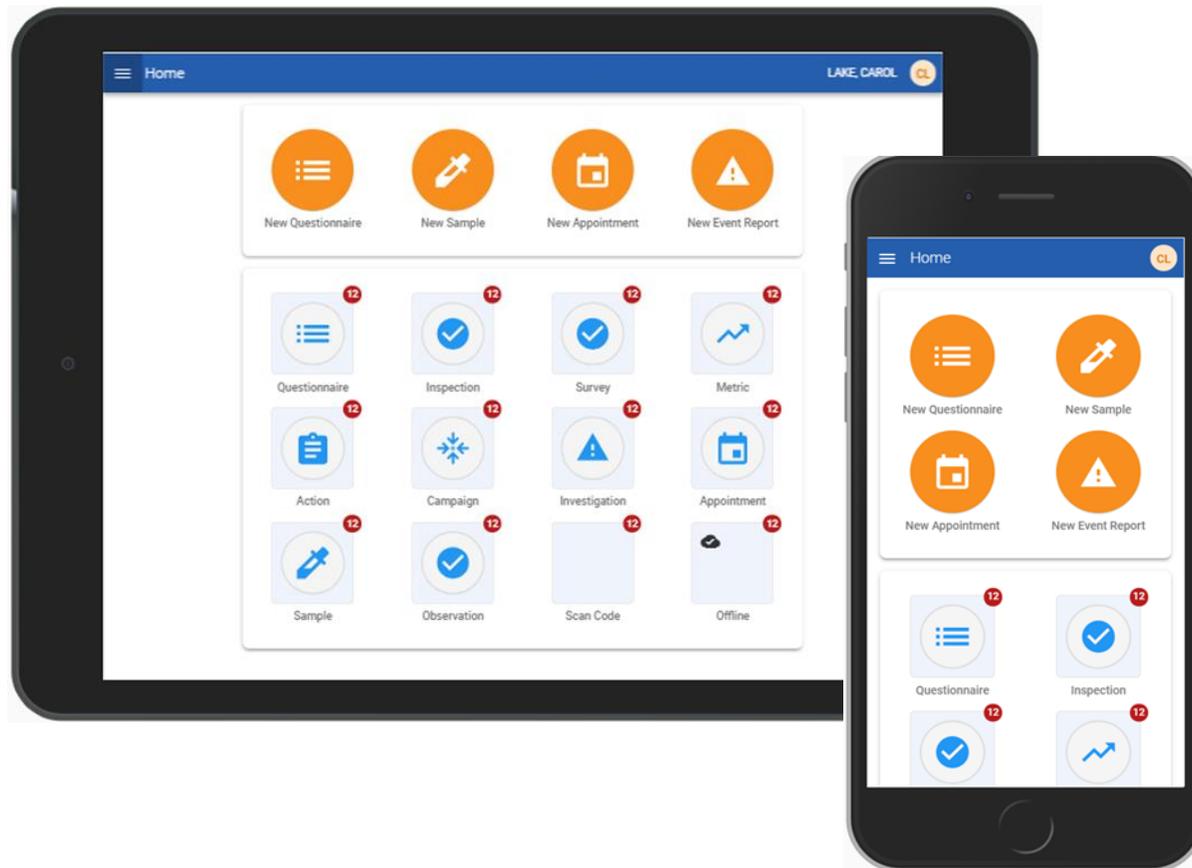
The screenshot shows the Cority web interface for an 'Occ Injury/Illness Case'. A 'CorInsights' popup is displayed over the form, providing an automated insight: 'The nature of injury appears to be a common occurrence. More info'. The form fields include:

- Employee: (132465)
- Jurisdiction: British Columbia (BC)
- Occupational:
- Date Of Injury: 25-Nov-2019
- Time Of Injury: HH:MM am/pm
- Occupational Illness Type:  Skin Disorder  Respiratory Condition  Poisoning  Hearing Loss  All Other Illnesses
- Needlestick:

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

## 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

INDUSTRIAL HYGIENE



**cority**

SIMPLIFY  
INDUSTRIAL HYGIENE  
MANAGEMENT AND  
EXPOSURE  
ASSESSMENT

Cority's cutting-edge Industrial Hygiene suite enables industrial hygienists to effectively identify hazards and mitigate risks to promote a healthy work environment.

DEEPEST EXPERTISE

Developed by Cority's own certified industrial hygienists (CIHs) and respected IH leaders from our client companies, the Cority IH platform intuitively and effectively meets the unique requirements of IH professionals. We empower you with the data that demonstrates the value of industrial hygiene within your organizations.



Learn more at [cority.com](https://www.cority.com)



Verdantix Green  
Quadrant Leader

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:

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[sean.baldry@cority.com](mailto:sean.baldry@cority.com)