

From Assumption to Signal

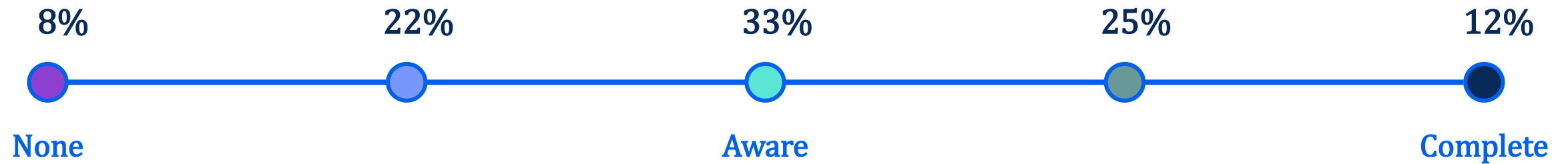
Using Real-Time Cognitive Data to
Improve Fleet Safety



Disclaimer



Understanding Impairment



Lets Get Political

ELECTIONS

Elections

Add Topic +

More than 70% of voters say Biden doesn't have mental, cognitive health to serve, new poll says



Karissa Waddick

USA TODAY

Published 2:56 p.m. ET June 30, 2024 | Updated 2:56 p.m. ET June 30, 2024

CAMPAIGN

Trump calls for Harris to take cognitive test after criticism of his medical records

BY BRETT SAMUELS - 10/14/24 8:58 AM ET



FORBES > INNOVATION

BREAKING

Trump Boasts About Acing 'Hard' Cognitive Test: Here's What's On Those Tests

Lets Get Political



Fact

18,000

Conscious & Unconscious decisions

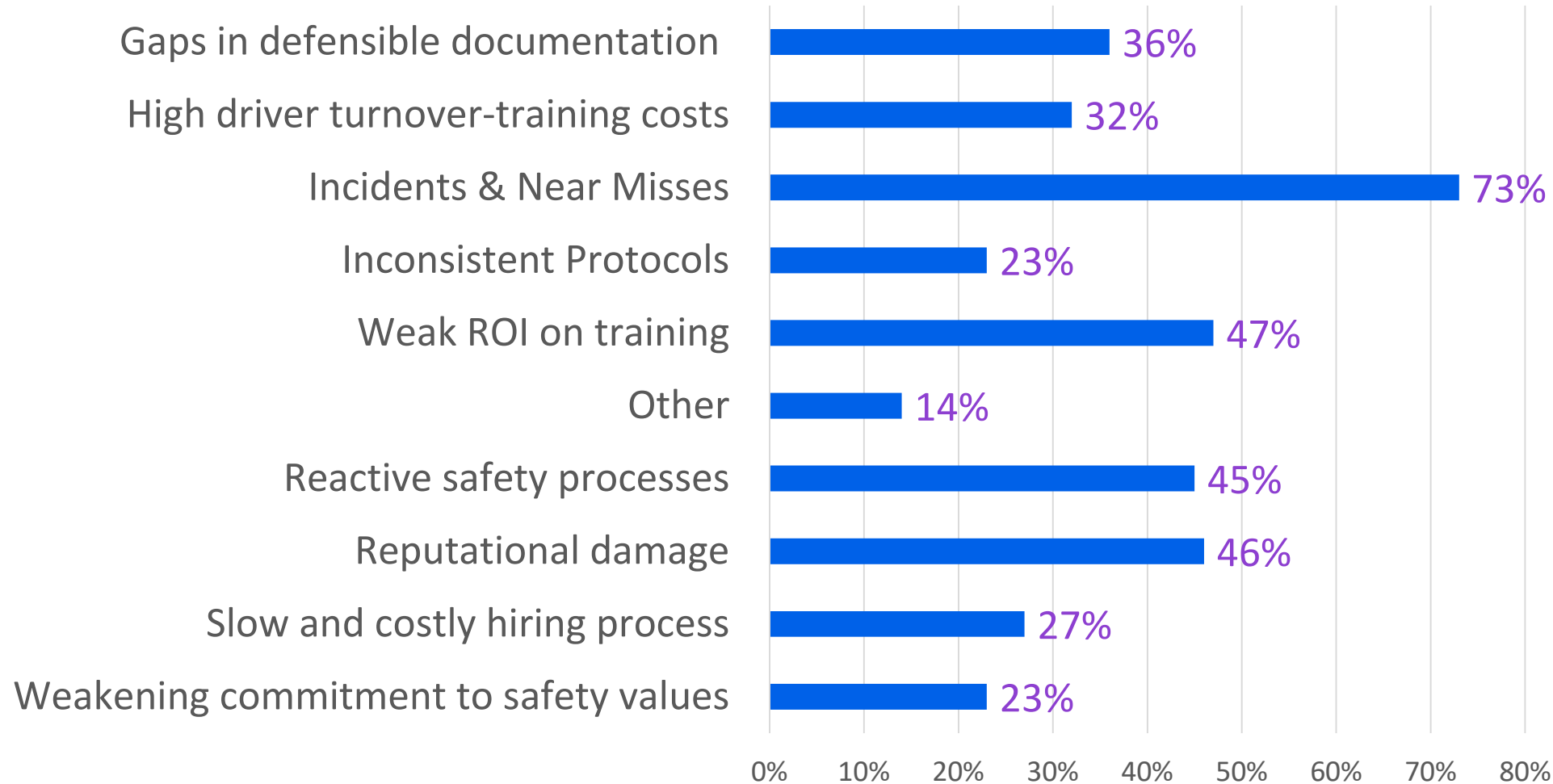
Fatigue Management
Hazard Perception
Rest Break Timing
Tire & Equipment Monitoring
Lane Positioning
Speed Management

Fuel Stop Planning
Route Selection
Detour Decisions
Following Distance
Braking Strategy

Framing Driver Risk



Industry Challenges



What is impairment

When an individual loses their functional ability to operate safely within a given environment.

Necessary Functions For Safety Sensitive Work

Motor

Muscle-and-nerve acts

Sensory

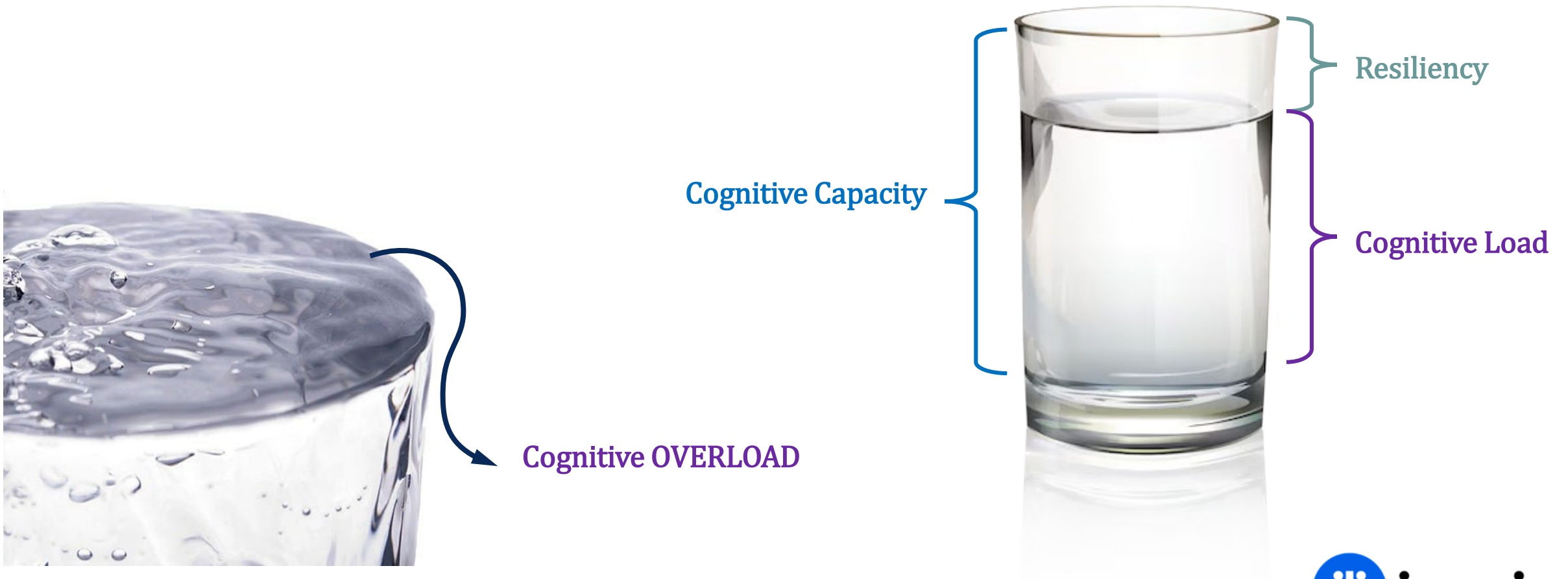
Vision and hearing

Cognitive

Awareness and judgement

Cognition Explained

Cognitive load is the mental effort required to perform a task.



It is more common than you think

Cardiovascular disease

Drugs

Dementia

Diabetes

Hypertension

Medications & treatments

Mental health conditions

Parkinson's

Renal disease

Respiratory disease

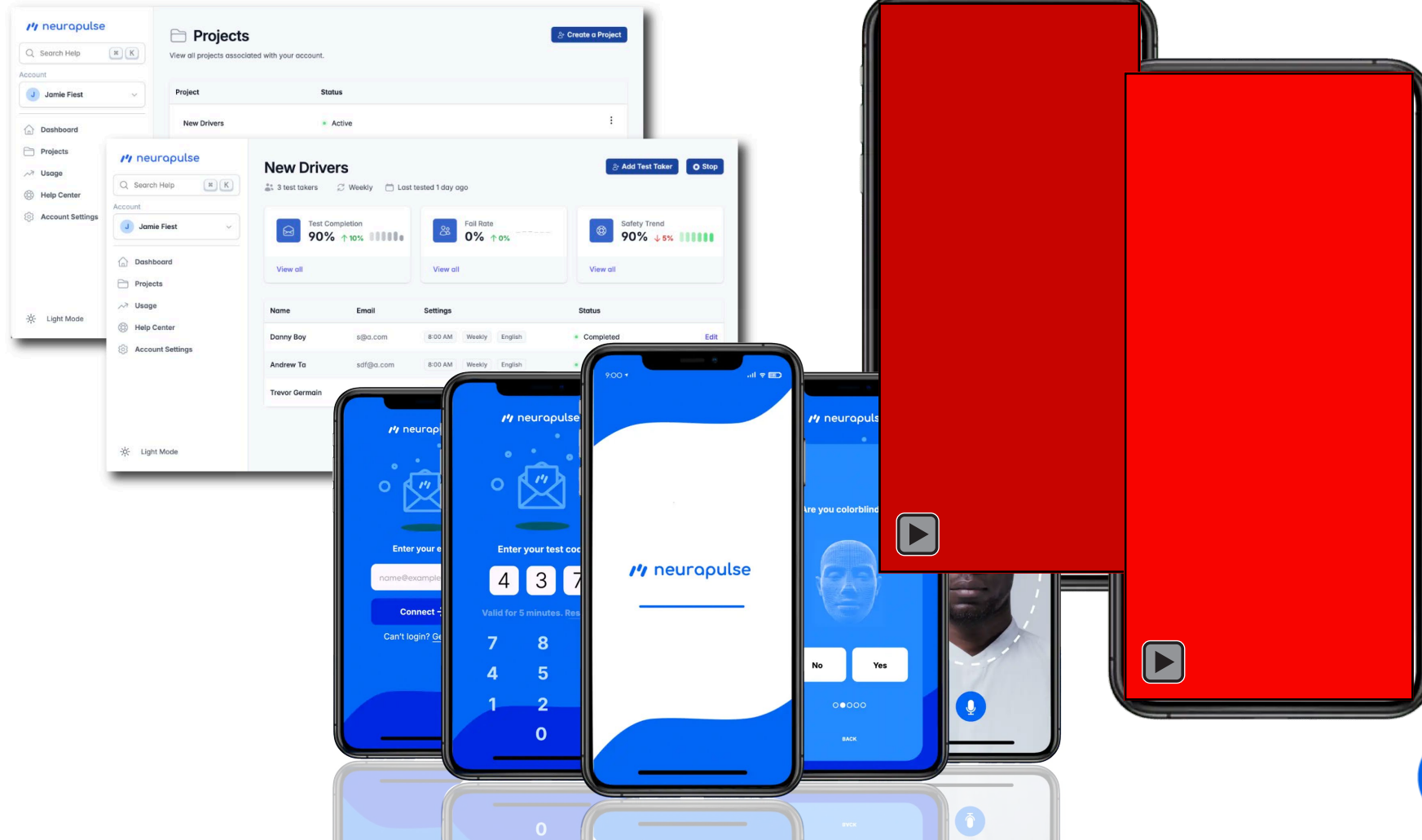
Sleep apnea

Fatigue

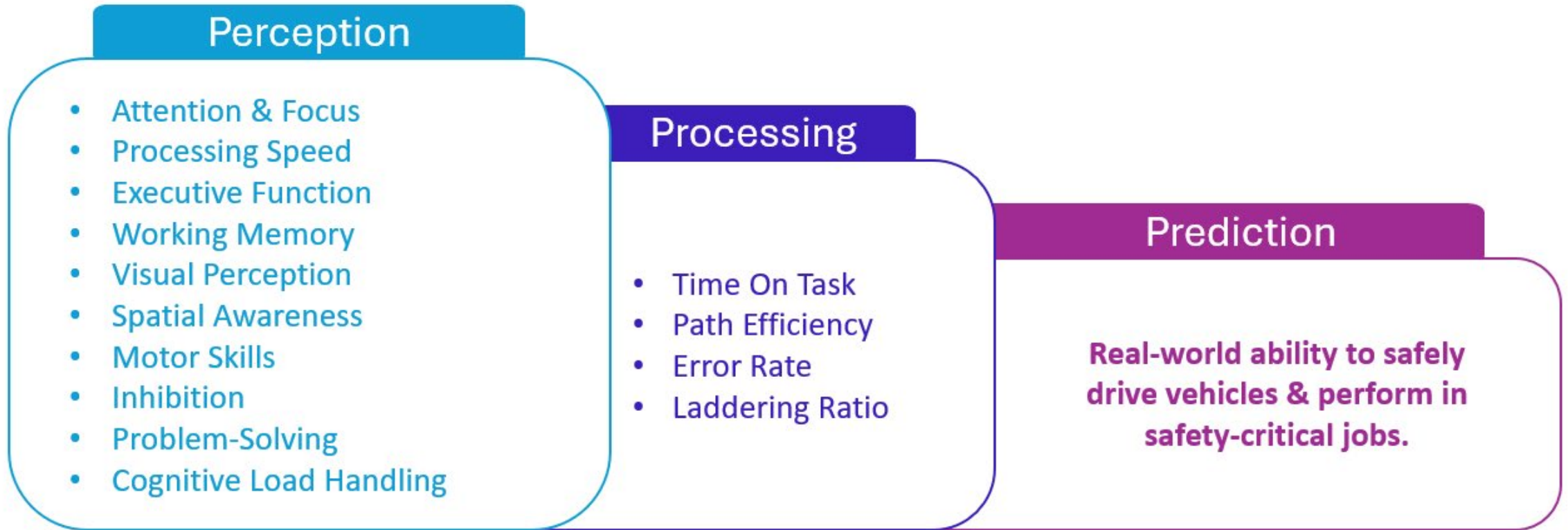
Traumatic brain injury

Severe Stress

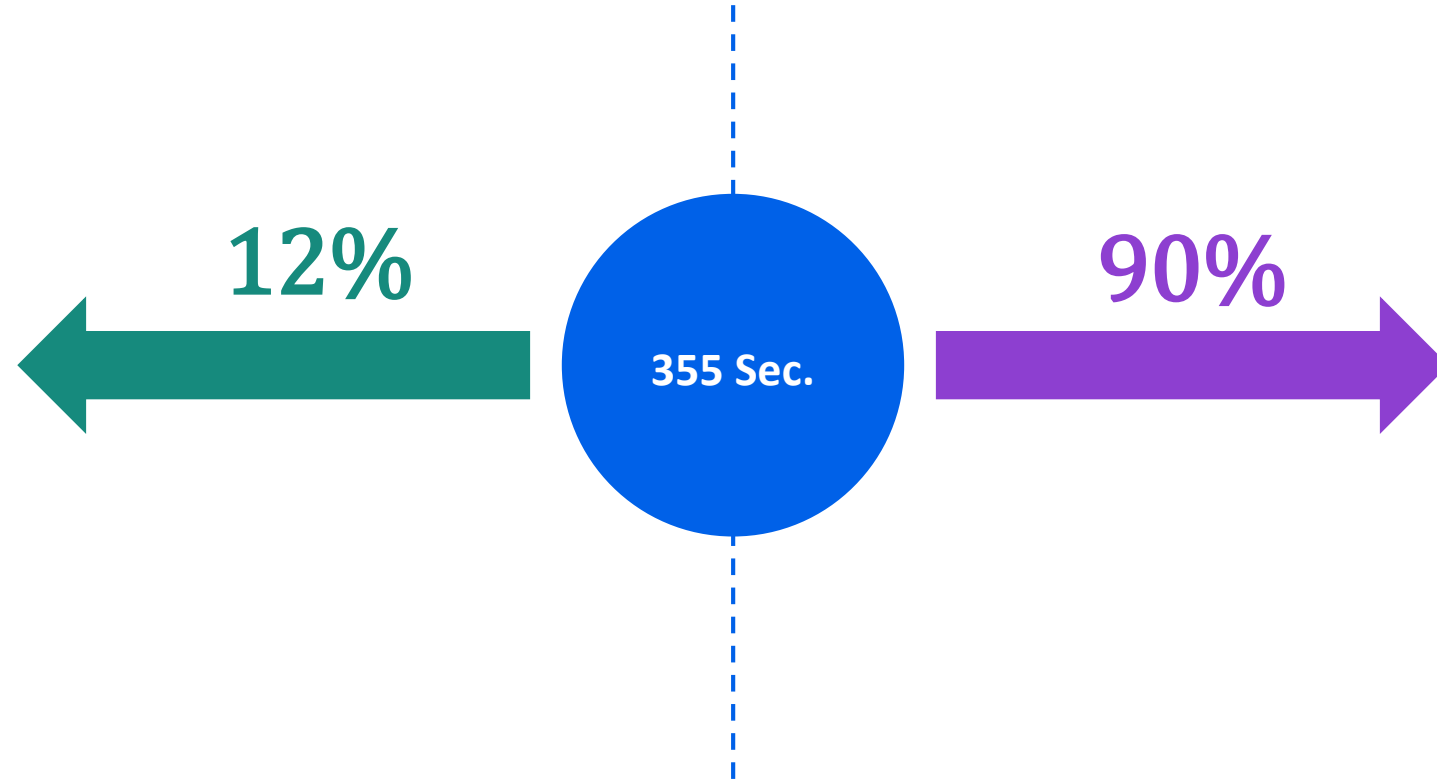
Practical Application



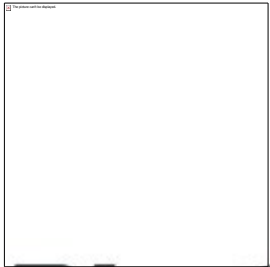
Predictive Variables



Data In Context

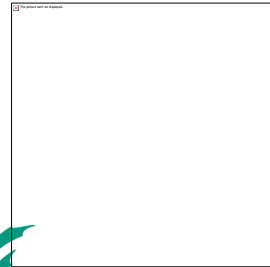


Trusted. Tested. Proven.



19% Improvement

in attrition in Entry-Level Driver
Training Program.



43% Reduction

in reportable incidents.

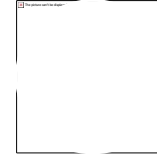


10% Decline

in preventable collisions.

Organizational Impact

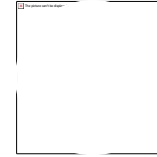
Healthy & Productive Workers



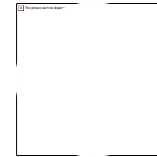
Higher quality workers



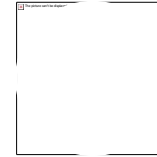
Improved retention



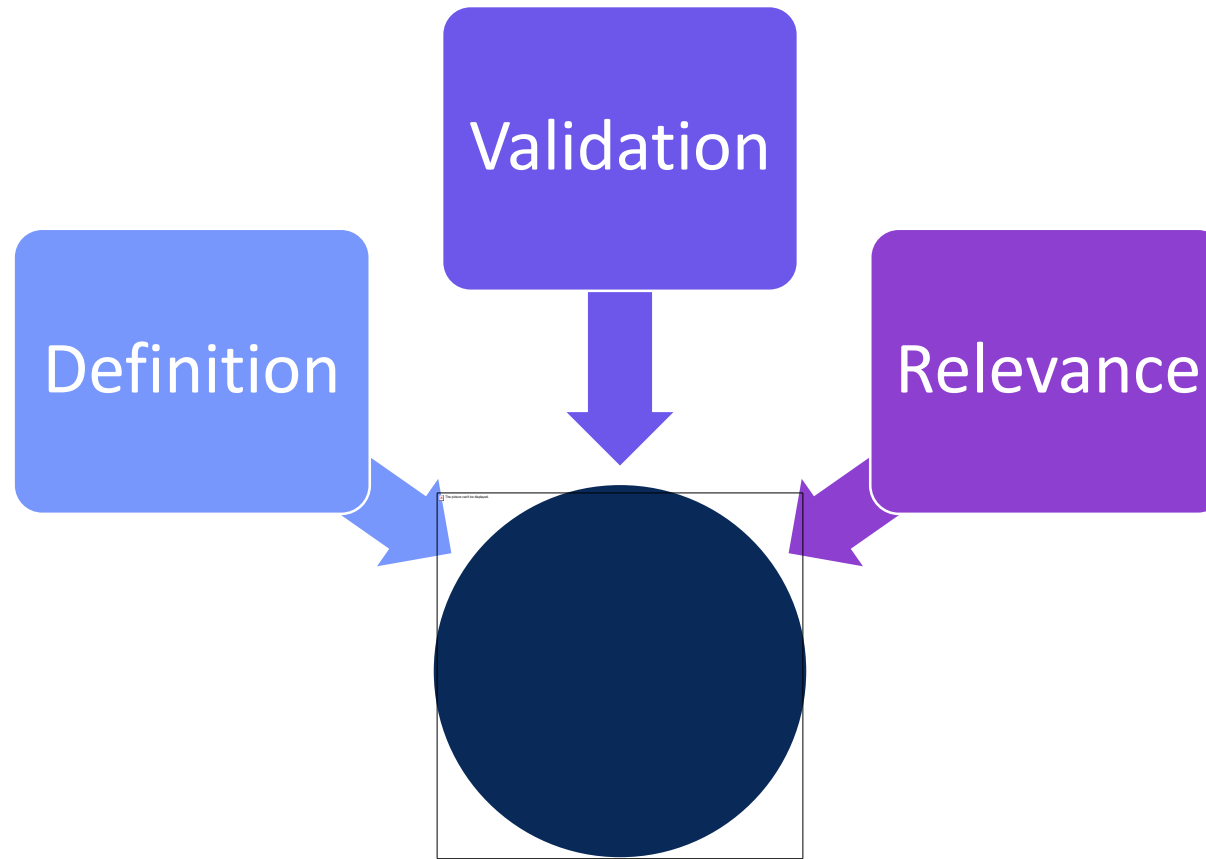
Reduction in incidents



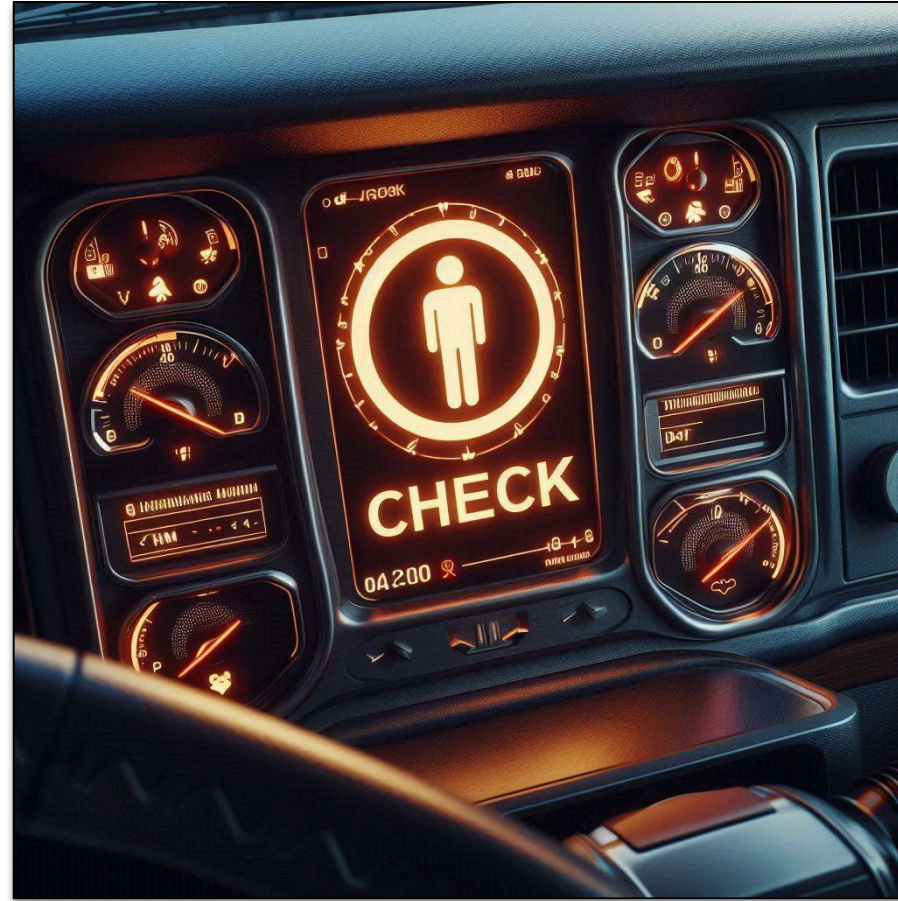
Increased savings



Asking the Right Question



Proactive Action Today. Safer Outcomes Tomorrow.



Give it a try

