

Substance: Case Study

[CS-001] Unmasking the Hidden Danger: Early Detection of Drug-Induced Impairment

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Proactive Cognitive Assessments for Enhanced Driver Well-being and Safer Operations

Early Insights, Targeted Interventions—paving the way for safer roads.

Ensuring cognitive health is essential for both individual well-being and operational safety. These case studies demonstrate how proactive cognitive assessments can uncover hidden risks—from substance abuse and undiagnosed medical conditions to stress and distracted driving. By incorporating tools like Impirica’s assessments into routine safety protocols, organizations can identify issues early and implement targeted interventions, ultimately fostering a safer, healthier work environment.

CASE STUDY [001]

Substance

Summary

Cognitive screening flagged a driver impaired by cocaine use, prompting timely intervention. Early detection prevented incidents and validated cognitive assessments.

CASE STUDY [002]

Sleep

Summary

Cognitive assessment flagged irregular behavior later attributed to unmanaged sleep apnea. Prompt treatment enabled the driver’s safe return.

CASE STUDY [003]

Distraction

Summary

Assessment ruled out impairment and revealed distractions from phone use. This led to refined policies for safer driving.

CASE STUDY [004]

Heart

Summary

A high-risk cognitive score triggered evaluation that uncovered undiagnosed heart disease. Early detection enabled immediate treatment, averting a crisis.

CASE STUDY [005]

Stress

Summary

Assessment revealed performance issues linked to personal stress despite normal medical exams. Addressing these challenges allowed the driver to resume safe operations.

CASE STUDY [006]

Screening

Summary

Cognitive screening flagged a candidate for high-risk behavior during evaluation, preventing unsafe hiring and proving its predictive accuracy.



CASE STUDY [001] Substance

Context

A commercial fleet operator with over 1,500 drivers noticed **concerning driving behaviors** exhibited by one of their employees. Reports from supervisors and **telemetry data indicated inconsistent performance and near-miss incidents.**

Drug-Induced Impairment – Proactive Cognitive Screening in a Fleet

Key Findings

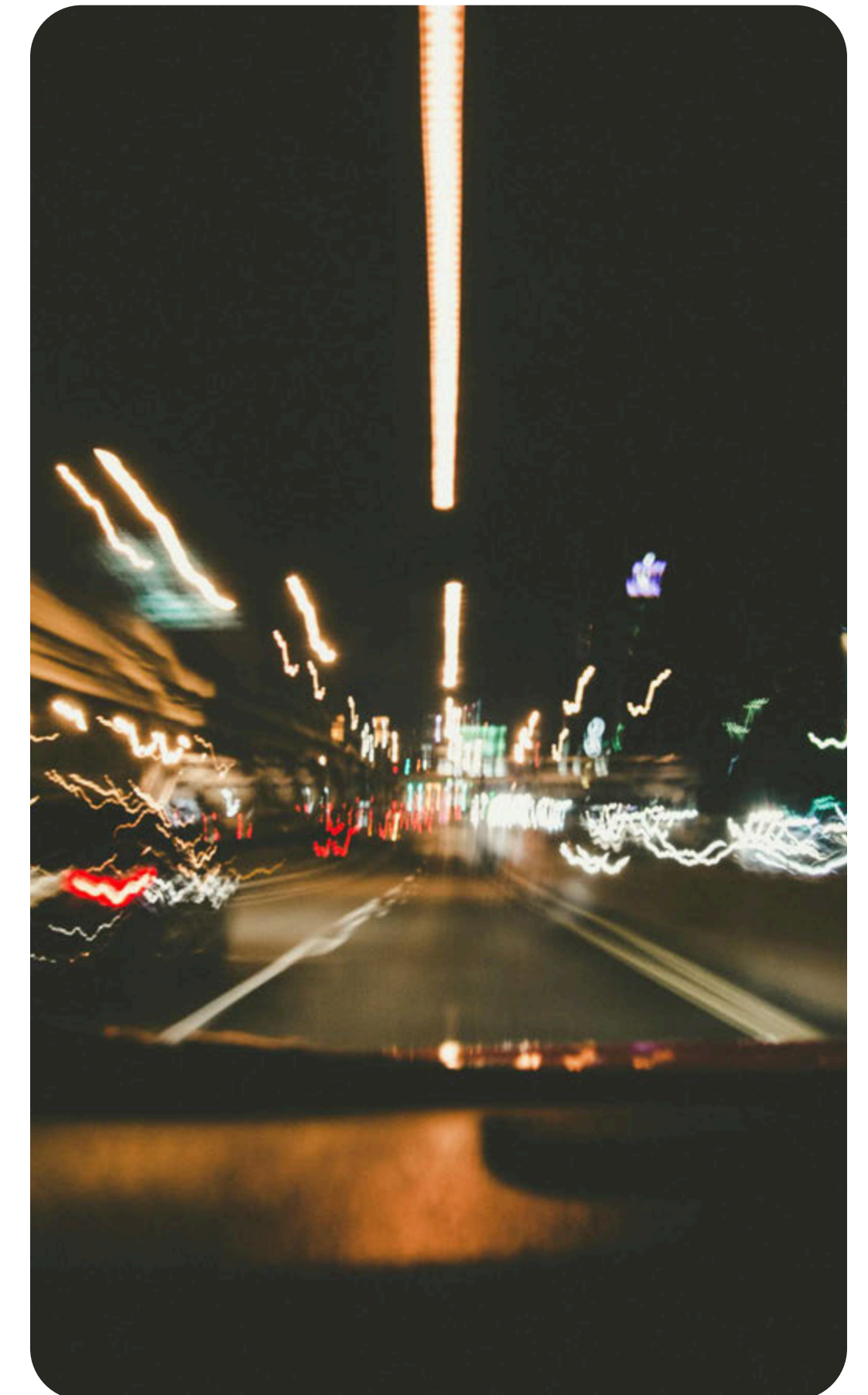
- The driver underwent Impirica's cognitive assessment and was **flagged as high-risk.**
- A **follow-up investigation was initiated** to determine the cause of impairment.
- It was subsequently established that the driver was **operating under the influence of cocaine.**

Impact

- The driver was subjected to the company's disciplinary process.
- The fleet strengthened its focus on proactive impairment detection.
- Cognitive assessments became a key tool in identifying risk before it escalates.

Conclusion

By leveraging cognitive screening, the fleet was able to proactively identify and address a serious impairment risk before it resulted in an incident.



Take the next step in workforce safety.

Protect Your Fleet by Detecting Impairment Early—
Start Your Free 14-Day Neurapulse Trial Today!

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