

Heart: Case Study

[CS-004] Heartbeat of Safety: Early Intervention in Uncovering Health Risks

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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 [004] Heart

Context

A veteran driver with an excellent safety record began exhibiting an **increase in near-miss incidents**, raising red flags within the fleet's monitoring system.

Disclaimer

Impirica's cognitive assessment does not diagnose medical conditions but assesses risk relative to real-world driving. Medical conditions were uncovered through follow-up protocols.

Hidden Medical Condition – Heart Disease in a Tour Bus Fleet of 150

Key Findings

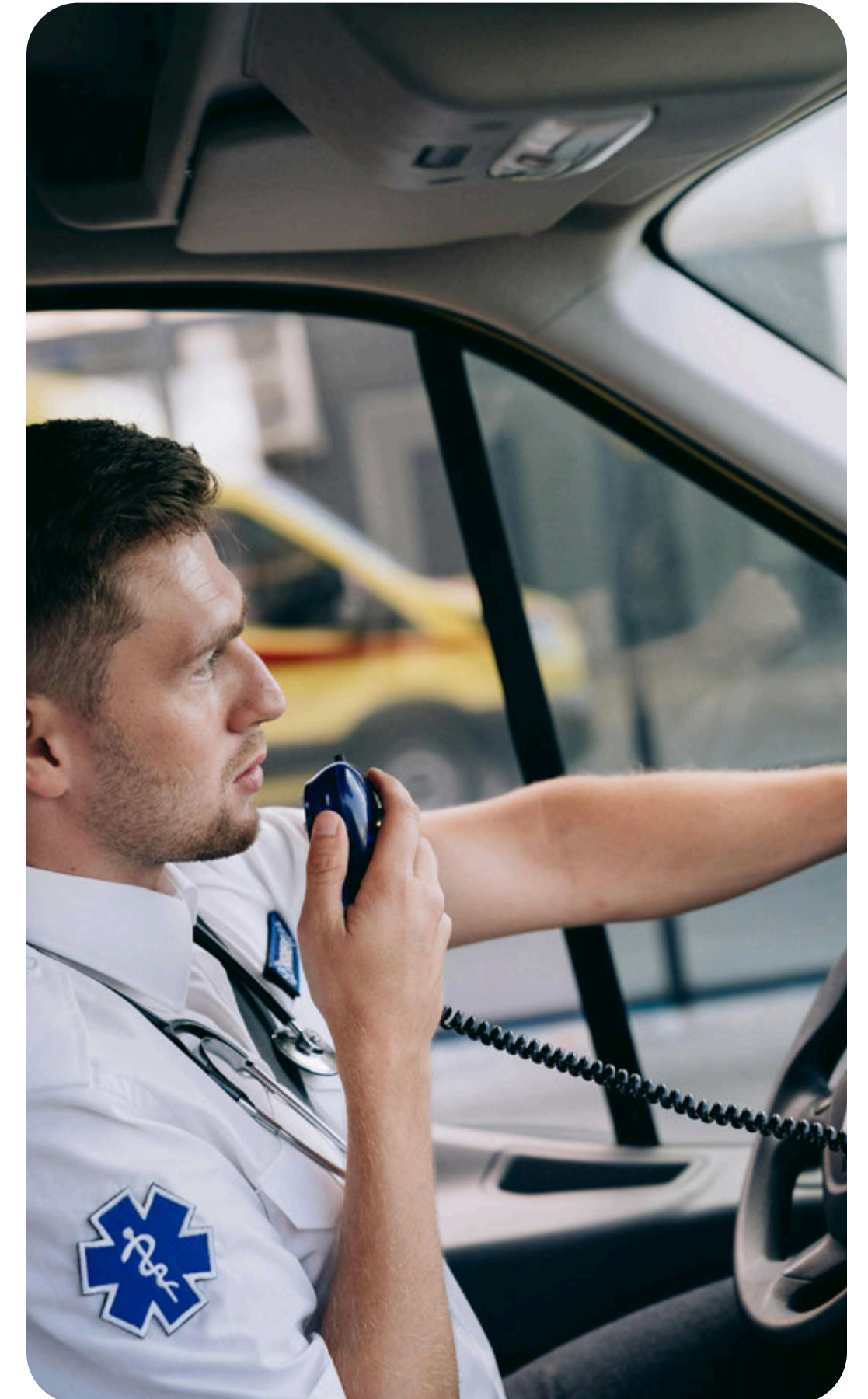
- The driver underwent Impirica's cognitive assessment and was **flagged as high-risk**.
- A subsequent medical evaluation revealed that the driver was suffering from **undiagnosed heart disease**, requiring **immediate bypass surgery** to prevent an imminent heart attack.

Impact

- The driver received timely medical intervention, preventing a major health crisis.
- After treatment and rehabilitation, the driver was able to safely return to work.
- The company gained greater insight into the role of health-related risks in driving performance.

Conclusion

This case demonstrated the critical role of cognitive assessments in identifying potential health risks before they escalate into dangerous situations.



Take the next step in workforce safety.

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