Recordis™ for Police & First Responders

RECORDIS
Cardiac Sensor System

Supporting Those Who Serve
Trauma-informed cardiac health monitoring

The Challenge

Police and frontline responders operate in high-stress environments with constant exposure to traumatic events, often without visible injury. Unlike the general population, first responders face a dramatically increased risk of developing post-traumatic stress disorder (PTSD) and other mental health challenges.

- Police officers experience PTSD at 2–4 times the rate of the general U.S. population.
- Firefighters and paramedics also show elevated PTSD rates, estimated between 15–30%. Despite these risks, current mental health evaluations rely heavily on self-reporting—leaving many physiological signs of trauma undetected, particularly among individuals trained to minimize or underreport symptoms.

The Recordis Advantage

Recordis is a Health Canada Class II licensed cardiac sensor that uses Seismocardiography (SCG) to monitor subtle changes in cardiac performance providing an objective, non-invasive layer of insight for trauma-informed care.

- Measures Heart Performance Index (HPI)
- Detects systolic and diastolic dysfunction
- Tracks physiological response to trauma and recovery
- Complements traditional mental health assessments

Where Recordis Works

- Baseline Screening during academy intake or mental health checkups
- Post-Incident Monitoring after potentially psychologically traumatic events (PPTEs)
- Symptom-Triggered Testing during anxiety, fatigue, or chest discomfort
- Return-to-Duty Evaluations to support safe reintegration
- Long-Term Care for chronic PTSD or repeated exposure

The Impact

- Identifies early signs of stress related cardiac dysfunction
- May enhance return-to-duty decisions with objective data
- May reduces risk of chronic illness or disability
- Promotes individualized care across public safety agencies
- Aligns with national goals for resilience, prevention, and data driven triage

Proven Traction

Recordis is currently in its third year of a PTSD / occupational trauma trial with the Royal Canadian Mounted Police (RCMP), demonstrating its utility in frontline trauma monitoring and care planning.

LLA TECHNOLOGIES INC.

Learn More

Scan the QR or contact us directly to discover more about Recordis

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Investigational Use Only Under FDA Review

Commercial validation being planned in rural Canada. Studies exploring cardiac data applications in chronic disease prevention, triage optimization, and resource allocation efficiency.