

Many **disabilities** have **severe impacts** on **cardiovascular** and nervous system health



Cardiovascular Disease & Disability

Cardiovascular disease remains the biggest killer in the world with mortality rates estimated to double within 20 years. People with disabilities such as autism, Down syndrome, TBI and spinal cord injury suffer disproportionately from cardiovascular diseases that worsen health outcomes and quality of life. Adverse cardiovascular outcomes such as a stroke or heart attack occur up to 9 times more often in people with disabilities than in the general population. These adverse events contribute to a 3.5-fold higher likelihood of mortality. An adverse event can also lead to:

- Worsened disability outcomes
- Lower quality of life
- Long-term assisted healthcare, increased support needs and costs
- Loss of independence

The Challenge

Early detection of these cardiovascular diseases and subsequent health management remains the gold-standard for usual care. The standard diagnostic tool for detecting abnormal cardiovascular activity is the 12-lead ECG, which allows healthcare professionals to monitor the electrical activity of the heart.

Unfortunately, accessibility to this technology remains a significant barrier for individuals with disabilities. These barriers include long wait times, high costs and physical inaccessibility of healthcare facilities. These barriers are especially difficult for individuals who struggle to navigate conventional healthcare systems and who have difficulty communicating symptoms.

There is a distinct absence of regular cardiovascular monitoring in usual care plans for individuals with disabilities at higher risk of cardiovascular disease. This is despite clinical guidelines and the NDIS advocating for routine cardiovascular assessments. As these guidelines are rarely implemented along with the inherent healthcare barriers, many individuals with disabilities are left at higher risk for undiagnosed cardiovascular diseases.

How we can help

Our simple to use, TGA-approved, ECG device observes the way that your heart functions and is able to detect the presence of undesirable cardiovascular conditions. It is a powerful diagnostic tool made available under our disability services.

Frequent ECG monitoring

- Transform cardiovascular outcomes by identifying key potential heart health issues before they escalate
- Provides a proactive approach to early detection of cardiac arrhythmia's, enabling timely clinical intervention to prevent stroke and other adverse cardiovascular events
- Brings **peace of mind** to people with disabilities

Why choose ecgme™?

Empowerment

- Ensures individuals with disabilities and their caregivers have the power to make informed decisions about their cardiovascular health.

Prevention

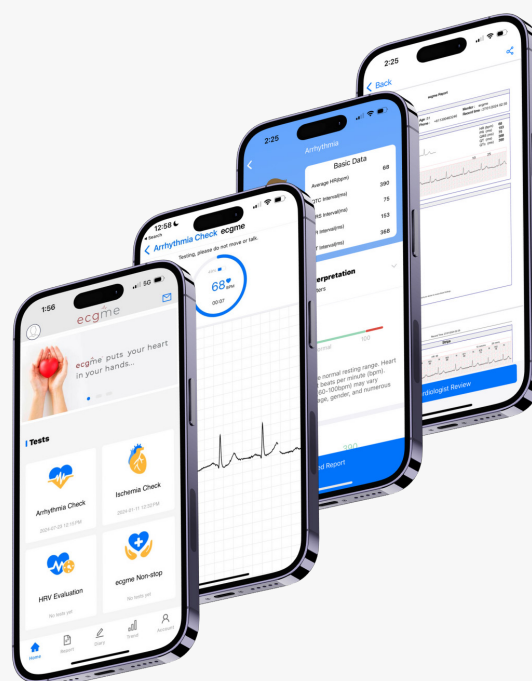
- Enables early detection of cardiac abnormalities, allowing for early health interventions for cardiovascular diseases that affect individuals with disabilities.

Convenience

- Designed to integrate seamlessly into everyday life, with the ability for tests to be administered by caregivers or during allied health, community nursing or occupational therapy visits in as little as 30 seconds.

Improved Outcomes

- Enables access to early interventions that preserve independence, reduce care needs and protect quality of life.



About Us

Biosignals Diagnostics is a registered NDIS provider for assistive technologies, we are committed to improving the health outcomes for people with disabilities, we believe that everyone deserves access to proactive, potentially life-changing healthcare solutions.

We empower individuals with various disabilities and their caregivers to take proactive steps to improve their heart health.

*Proactive ECG monitoring saves lives, with **ecgme™** you can take control of your cardiovascular health and detect an adverse event before it escalates. Stay ahead of the risks – protect your heart and improve your outcomes.*

*Talk to us today to learn how the **ecgme™** disability services can fit within your plan and how you can take control of your heart health today.*

Our cutting-edge ECG monitoring platform can help detect cardiac abnormalities early, before they develop into a life altering adverse cardiovascular event.

ecgme™ is a small, easy-to-use assistive technology device that provides immediate insight and early warnings for potential heart health issues and health conditions from the comfort of your own home.

Our team of expert cardiologists review your heart's health and provide oversight to make informed decisions alongside your GP. As an NDIS provider, we align with recommendations for regular health assessments.

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