

## V2.0 Data List

- **Location Information (GPS Tracking)**  
Enables continuous monitoring of the patient's real-time location and mobility patterns, including outdoor movement and wandering detection.
- **Real-Time Heart Rate**  
Provides continuous heart-rate monitoring for emergency alerts, stress, and exertion analysis.
- **Movement Speed**  
Detects abnormal or sudden changes in walking or movement speed, which may indicate health deterioration, stress, or falls.
- **Total Distance and Mobility Level**  
Measures daily activity level and overall mobility to support elderly health assessment and wellness tracking.
- **Physical Effort and Metabolic Power**  
Shows how much effort the patient is exerting during activity, useful for fatigue, cardiovascular load, and rehabilitation monitoring.
- **High-Intensity Movement and Activity Zones**  
Identifies unusual or risky movements (running, sudden acceleration), useful for fall-risk and emergency detection.
- **Activity Load / Daily Movement Score**  
A combined metric that summarizes physical activity level over time—helps doctors and caregivers evaluate mobility trends.
- **Step Balance and Gait Symmetry**  
Detects gait abnormalities and side imbalance, which are early indicators of neurological decline or fall-risk.
- **Maximum and Peak Movement Metrics**  
Tracks peak speed and sudden movements—early warnings for potential incidents or health events.
- **Heart Rate Variability (RR Interval)**  
A clinical indicator for stress level, cardiovascular function, and early warning of health complications.
- **Maximum Heart Rate**  
Helpful for cardiac risk assessment, fatigue, and emergency response.
- **Date & Time Stamping of All Data**  
Provides accurate medical records and timeline-based analysis.
- **Device Health & Diagnostic Information**  
Battery, system health, and connectivity status—ensures reliability in continuous monitoring.

- **Blood Pressure (PPG-Based Estimation)**  
Uses photoplethysmography (PPG) algorithms to estimate systolic and diastolic blood pressure. Supports hypertension monitoring, cardiovascular risk assessment, and early detection of sudden BP changes.
- **Skin Temperature**  
Continuously monitors skin temperature to detect early signs of fever, infection, inflammation, metabolic changes, and sleep-quality variations.