The ZephyrLIFE™ system is a remote patient monitoring (RPM) solution designed to monitor multiple patients while delivering updates and event-driven physiological alerts to a central station for use by clinical care teams. ZephyrLIFE RPM monitors patients throughout the care continuum — in the hospital, in transition, and at home. It may enable clinical staff to be more aware of their patient’s physiological status while they are in bed or ambulating, and it will report a patient’s activity minutes per day.

ZephyrLIFE RPM Applications

HOSPITAL
While in the hospital, ZephyrLIFE RPM is intended for use with the general care population to assist in avoiding “never events”, optimizing care and assisting in prioritizing treatment. The system sends alerts to a central monitoring station based on clinician-assigned thresholds, where a patient’s heart rate, respiration rate, position and activity information are updated and displayed every minute.

HOME
During transition and in the home, ZephyrLIFE RPM offers remote capabilities that enhance the level of medical support a patient receives while promoting their independence and dignity. Through this configurable, wireless system, a patient’s vital signs are continually updated, and are uploaded to the portal every fifteen minutes.

ZEPHYRLIFE RPM ADVANTAGES

- Wireless ambulatory monitoring throughout the entire care continuum
- Monitors changes in heart rate and respiration rate
- Monitors changes in activity level and position
- Enables clinicians to review recorded ECGs and alert history
ZephyrLIFE RPM Components

BIOPATCH™ DEVICE
The BioModule™ sensor is wireless and rechargeable and, when combined with the BioModule™ holder and snap ECG electrodes, becomes the BioPatch™ device. It continuously collects a patient’s physiologic data and transmits to a central hospital station every 60 seconds.

The BioModule™ device provides a 30-second, single-lead ECG that records either automatically or on demand when a patient’s heart or respiration rate crosses clinician-assigned thresholds.

ECHO RADIO
The stand-alone radio is easy to install and provides complete ward coverage for ambulatory patients.

SMART PHONE OR TABLET
The BioModule device communicates wirelessly, via Android™-based handheld devices.

MONITORING INTERFACE
A central touch-screen monitoring station in the hospital has remote access capabilities to monitor multiple patients and trigger unit-based or individual alerts.

INTEROPERABLE WITH EHR/PHR AND SERVICE PROVIDERS
The ZephyrLIFE™ system supports EHR/ADT integration, and will enable channel partner HL7/portal/web services.

BIOPATCH™ DEVICE FEATURES:
- Heart Rate
- Respiration Rate
- ECG
- Posture
- Activity minutes

INTEGRATED ANCILLARY DEVICES FOR ZEPHYRLIFE HOME SYSTEM:
- Blood glucose
- Blood pressure
- Body temperature
- Body weight
- Oxygen saturation (SpO₂)

DERIVED PATIENT MEASURES:
- Calories
- Turn time