

Monitors Enable Medication Management in Patients' Homes



Glenn Research Center

FlexLife Health Cleveland, Ohio

NASA Technology

- ◆ Despite exercise on the International Space Station, astronauts were losing their body's bone mass
- ◆ Pressure sensors were placed in the astronauts' shoes to quantify the force transmitted to their feet during exercise
- ◆ NASA needed a device to capture and transmit data

Partnership

- ◆ Glenn awarded Small Business Innovation Research (SBIR) funding to Cleveland-based ZIN Technologies to develop a device to collect and communicate data about astronauts' health
- ◆ After obtaining additional funding from other organizations, ZIN formed a new company called FlexLife Health to commercialize the spinoff technology



Benefits

- ◆ Called vMetrics, the device is part of an anti-coagulation management system for people with chronic cardiovascular disease
- ◆ It enables medication monitoring at home
- ◆ Nearly 83 percent of clinical trial participants reported vMetrics made management of their medication easier and/or saved time