

CASE STUDY:  
Remote Monitoring & Telehealth/ Healthcare



## Enabling Healthcare Organizations to Remotely Manage Patient Medication Dosage & Adherence

Located in Charleston, South Carolina, PharmRight Corporation is a telehealth technology company that has introduced Livi™, an automated medication dispensing solution for healthcare organizations to manage patients' medication adherence.



### The Challenge

PharmRight had an idea that could revolutionize the health care industry: What if a machine could control at-home medication adherence and allow for critical message sharing? What if it could simulate the careful supervision of an on-site physician or caregiver by delivering the right medication, at the right time, in the right quantity, with the right instructions?

Livi™ could cure one of the biggest problems in health care: repeat hospital visits due to improper (or missed) medication dosage.

PharmRight had the idea to create a machine that could not only dispense medications and prompt patients to take their medications properly, it would also notify caregivers of all dosages and missed cycles.

PharmRight needed a partner to make Livi™ an "Internet of Things" device that could wirelessly connect to the Internet, communicate properly to all parties, and share very private information with the right people.

Enter Zipit.

### Livi™ platform by PharmRight Corporation

- Internet-enabled remote medication monitoring and management platform
- Stores and manages 90-day supply of up to 15 oral solid medications

### Challenge

- Time to Market
- FDA medical device certification
- Lack of Internet-connectivity expertise

### Solution

- Zipit End-to-End IoT Solution

### Results

- Internet-enabled remote monitoring and management of patient medication regimens
- Seamless Internet connectivity to cellular carrier network
- Encrypted communication between cloud infrastructure and Livi™ device
- Comprehensive medication adherence reports for care team and patient coordination

“The Zipit platform accelerated our time to market and reduced the complexities of bringing a secure, Internet-enabled device to market.”

BILL PARK  
President/CEO for PharmRight Corp.

## The Solution

Zipit worked with PharmRight to connect Livi™ to the web and to our cloud-based infrastructure for complete security and important dosage alerts.

Zipit also developed all back-end systems, such as a user administration portal for real-time access to data and patient interactions, as well as a dedicated support web portal for PharmRight to interact with their health care organization customers.

Zipit also enabled Livi™ with communications capabilities through a nationwide cellular network that let each device automatically send an alert via text message or email to a caregiver when the device needs refilling or a patient does not take their medication.

All servers and infrastructure are monitored by Zipit for seamless, constant communications.

## The Results

- ▶ Each device’s administrator (physician, caregiver, home health organization, etc.) can schedule and monitor all medications and patient interactions remotely and securely.
- ▶ Complete device, infrastructure, and communication security through Zipit’s cloud infrastructure
- ▶ Portals for healthcare professionals to enable real-time access to data and patient interactions
- ▶ Dedicated support web portal for PharmRight to manage Livi™ deployments and support customers
- ▶ Managed Operations Services from Zipit for seamless, constant uptime

## Bringing Value to Connectivity.™

Zipit Wireless provides business and technology solutions for the Internet of Things that leverage the company’s proven Internet connectivity & cloud-based device management platform, deep expertise in HIPAA compliant, connected ecosystems, and managed cloud operations.

Zipit enables medical device, consumer goods, and security products companies to off load the complexities of developing and supporting Internet-enabled offerings, gain a competitive advantage, obtain product insights through business analytics, and improve experiences for end-users.

To find out more about how our solutions can impact your business, visit: [www.zipitwireless.com](http://www.zipitwireless.com).

