



**ZOLL** LifeVest®

A Proven Therapy for Patients at Risk of Sudden Cardiac Death



LifeVest can protect you from sudden cardiac death by delivering a treatment to restore your heart's normal rhythm.

## CONTENTS

What is Sudden Cardiac Death?	04
Who is at Risk of Sudden Cardiac Death?	06
Protection from Sudden Cardiac Death	08
How Does LifeVest Work?	12
Information for Family Members & Caregivers	14



## What is LifeVest?

**LifeVest®** is a wearable cardioverter defibrillator (WCD) worn by patients at risk of sudden cardiac death (SCD).

A defibrillator is a device that is used to control dangerously fast heart rhythms by applying an electrical shock to the heart. While some defibrillator devices are implanted under the skin, the LifeVest WCD is worn directly against the patient's skin.

Most persons will wear the LifeVest WCD temporarily, until either their condition improves and they are no longer at risk of SCD or their doctor makes a decision about their long-term care. When worn as directed, the device can provide a constant safeguard against SCD.

THE **LIFEVEST**  
WEARABLE  
CARDIOVERTER  
DEFIBRILLATOR  
(WCD)



# What is Sudden Cardiac Death?

The heart's electrical system controls the heartbeat. When this system fails, it may trigger a dangerously fast heartbeat. This fast heartbeat causes the heart to quiver or shake instead of pumping blood to the body and brain. When this happens, you can suddenly pass out. This is sudden cardiac arrest (SCA). It occurs without warning. Without treatment, death occurs in minutes. This is sudden cardiac death (SCD).

Some people confuse SCD with a heart attack, but they are not the same. A heart attack is caused by a blockage that stops blood flow to part or parts of the heart, causing damage to the heart muscle. With a heart attack, you may feel severe chest pain or other symptoms. You usually remain awake and can call for help.

With SCD, on the other hand, there are no signs that something is about to happen—you suddenly lose consciousness and are not able to call for help. It can happen whether you are awake or asleep.

LifeVest is designed to protect you from SCD by delivering a treatment to restore your heart's normal rhythm. You and your loved ones can have peace of mind knowing that you have protection.<sup>1</sup>

**ANTOINETTE ASH**  
age 42

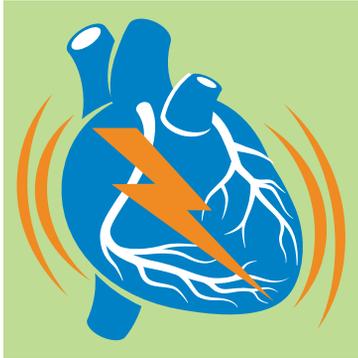
Saved by LifeVest  
after 2 months



“Sudden cardiac arrest is exactly what it is—sudden. There’s no warning. It can happen to anyone.”

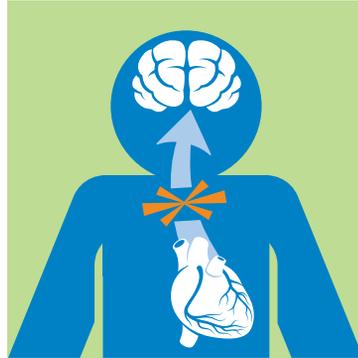
# Sudden Cardiac Death Has No Warning Signs

1



Electrical malfunction causes the heart to stop beating effectively

2



The heart cannot supply blood to the body and brain

3



Unlike a heart attack, there are no signs or symptoms

4



Victim suddenly passes out and is unable to call for help

# Who is at Risk of Sudden Cardiac Death?

The risk of SCD is high for certain heart patients. You may be at a higher risk for SCD if you have or experience one of the following:

- a low ejection fraction (EF) or weak heart muscle
- prior heart attack
- heart failure
- a history of SCD in your family
- a viral infection in your heart

Other risk factors for SCD include high blood pressure, diabetes, obesity, smoking, and high cholesterol.

No matter your condition, it is important to remember that LifeVest can provide a constant safeguard against SCD. With LifeVest, you and your loved ones can have peace of mind knowing you have protection.<sup>1</sup>

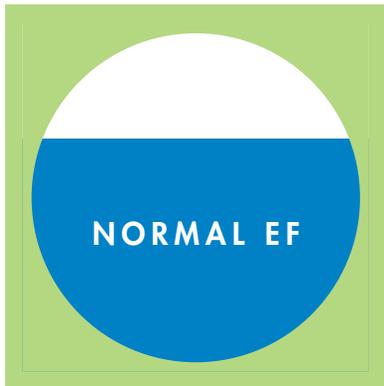
**JAN MOTTINGER**  
age 77

Saved by LifeVest  
after 3 months



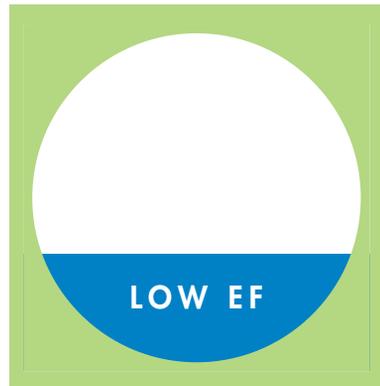
“I thank my doctor for recommending the LifeVest, because it saved my life.”

# What Does Your Ejection Fraction Mean?



**55–70%**

Your heart's pumping ability is  
**NORMAL**



**35% & Lower**

Your heart's pumping ability is  
**LOW**

Ejection fraction (EF) refers to how well your heart is pumping. It is the percentage of blood that is pumped out of the heart's main pumping chamber during each heartbeat. Your doctor is able to tell how well your heart is pumping based on your EF number. If your EF is low, meaning 35% or lower, then you are at increased risk for SCD. It is important to know that your EF can change over time.

# Protection from Sudden Cardiac Death

Your doctor believes that your current condition puts you at risk for developing certain life-threatening rapid heart rhythms, which can occur at any time and without warning. This could cause you to become unconscious and unable to call for help.

The most effective treatment to stop or correct these rhythms is defibrillation, which is an electrical shock to get the heart back to a normal rhythm. Your doctor prescribed the LifeVest wearable defibrillator for protection from sudden cardiac death so that you can continue to be there for your family. Most patients will wear the device temporarily until their condition improves or until a permanent course of treatment is determined.

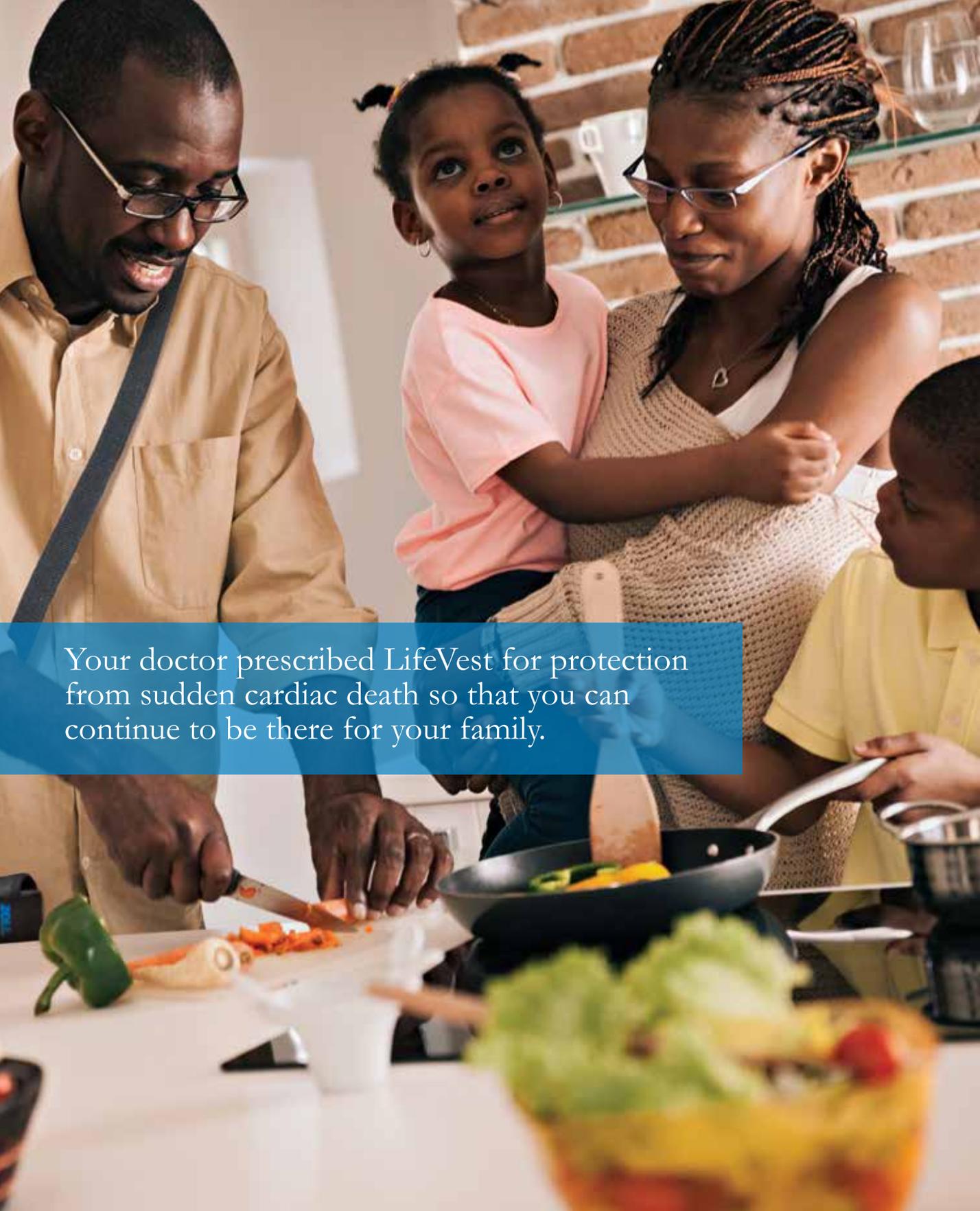
On any given day, tens of thousands of patients around the world have protection from SCD by wearing LifeVest.<sup>2</sup> In a study of 2000 patients, 96% of all patients prescribed LifeVest were alive one year following the date they began using the device.<sup>3\*</sup> LifeVest can give your loved ones peace of mind knowing that you have protection from SCD.<sup>1</sup>

**ANDY GRABER**  
age 50

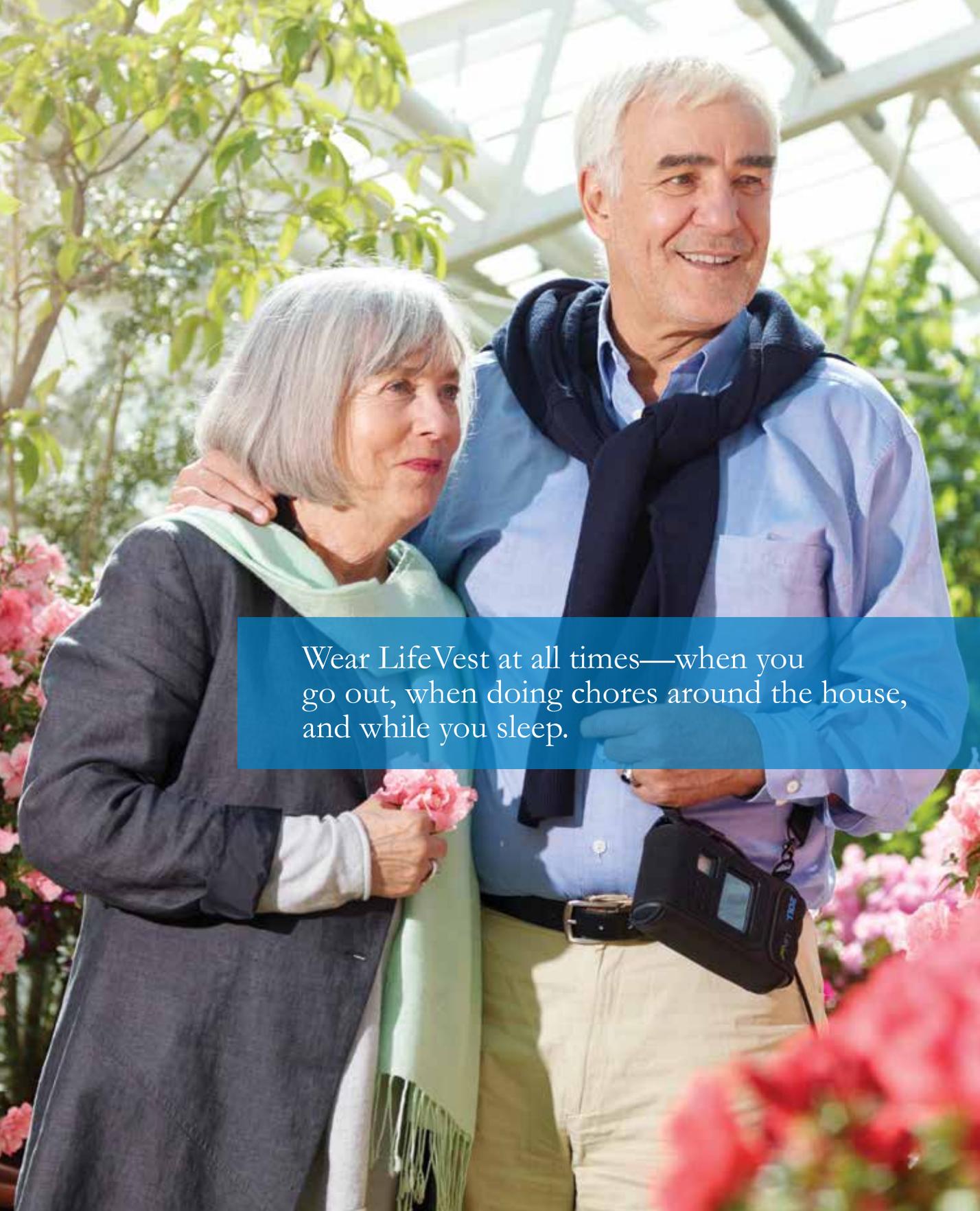
Saved by LifeVest  
after 3 days



“I was looking for any tool to help me through this difficult time. For me, the LifeVest not only saved my life but also provided a sense of security.”



Your doctor prescribed LifeVest for protection from sudden cardiac death so that you can continue to be there for your family.



Wear LifeVest at all times—when you go out, when doing chores around the house, and while you sleep.

# LifeVest Can Provide Constant Protection

LifeVest is designed to detect certain life-threatening rapid heart rhythms and automatically deliver a treatment shock to save your life. No matter where you are or the time of day, the device can provide SCD protection when worn as directed. LifeVest can protect you even when you are alone. It is therefore critical that you wear LifeVest at all times—including while you sleep.

With LifeVest, you can continue to do most of the things you enjoy, like spending time with family and friends, while knowing you have protection from SCD. Wear LifeVest when you go to a restaurant, to your place of worship, when doing chores around the house, even to your next doctor's appointment. The only time you should remove LifeVest is while taking a short shower or bath. This should only be done when someone is home with you, if possible.

**ERICA JORDAN**

age 28

Saved by LifeVest  
after 3 days



“My son had just turned a year old. As a new mother, I was definitely looking forward to watching and shaping his growth and development. And now, because of my doctor and the LifeVest, I can.”

LifeVest is designed to continuously monitor your heart rhythm, provide treatment if needed, and transmit patient health data after it is downloaded from the device. While this information may be used by your physician to provide you with medical care, please know that no one is reviewing this data in real time. If you believe that you are experiencing a medical emergency, please call emergency services.

## How Does LifeVest Work?

LifeVest allows you to return to most of your normal daily activities with the peace of mind that you have protection from sudden cardiac death. LifeVest does not require the assistance of another person or emergency personnel for it to work. It can protect you even when you are alone.

LifeVest is designed to detect certain life-threatening rapid heart rhythms and automatically deliver a treatment shock to restore your normal rhythm. In a typical situation, the entire event, from detecting a life-threatening rapid heartbeat to automatically delivering a shock, occurs in about one minute. LifeVest does not treat all heart conditions, such as a dangerously slow heart rate or a complete stoppage of the heart, which are not treatable by a defibrillation shock.

**LISA SUTHERLAND**  
age 49

Saved by LifeVest  
after 8 days



“There are things you have to do to help yourself get better: Wearing the LifeVest is one of them.”

# LifeVest Components

LifeVest consists of a garment, an electrode belt, and a monitor.

## GARMENT

Worn under your normal clothing, directly against skin  
Includes the electrode belt

## ELECTRODE BELT

Designed to detect dangerous heart rhythms and deliver treatment shocks

## MONITOR

Worn around waist or with shoulder strap  
Continuously records heart rate



One of the key features of LifeVest is the series of alerts and voice prompts that keep you informed about what the device is doing. These alerts let you know that LifeVest is working to protect you. Loud or high vibration environments can make it difficult for you to hear an alert, so if you find yourself in these types of environments or situations, you should be extra attentive to the device to ensure that you are able to respond to any alerts. For example, riding a motorcycle or using some lawn mowers may cause vibration and make it difficult for you to hear an alert, which may result in an inappropriate treatment.

# Information for Family Members & Caregivers

Your loved one has been prescribed LifeVest because their doctor believes that they are at risk of SCD. LifeVest can keep them safe while their doctor monitors their recovery. While your loved one will receive in-depth training on the device and will have 24-hour access to our patient support team, there are a number of ways that you can provide support to them.

To learn more about what you can do to support your loved one, please visit the LifeVest website, [lifestest.zoll.com](http://lifestest.zoll.com), or call ZOLL at **1-800-543-3267**.

## **DEBBIE WILLIAMS**

(wife of patient  
Mike Williams, age 61)

Husband saved  
by LifeVest  
after 8 days



“Without the LifeVest, I wouldn't have been able to let him out of my sight. But the LifeVest takes the burden off of you. It gave me a lot of security knowing I could be out of the room and the LifeVest would take care of him.”

# LifeVest Patient Support

ZOLL is committed to ensuring that you have a positive experience with LifeVest. ZOLL provides support for you and your family, from the time the device is prescribed, until your doctor decides it is no longer needed for SCD protection.

## Customer Support

For your convenience, ZOLL offers 24-hour technical support and can be reached at **1-800-543-3267**.

We can assist you with:

- information on the LifeVest WCD or sudden cardiac death
- questions about your LifeVest WCD
- insurance questions, paperwork, or other financial support
- returning the LifeVest WCD to ZOLL when your doctor decides you no longer need it

## LifeVest Website

Our website, **lifevest.zoll.com**, provides more information about SCD and LifeVest. You and your loved ones can view illustrations, educational videos, and testimonials of patients discussing their experiences with LifeVest. There are also links to other topics that may be useful to you.

1-800-543-3267  
lifevest.zoll.com

Contact **ZOLL**  
24 hours a day, 7 days a week



For LifeVest customer support  
or technical support, please call  
**800.543.3267**



To view the LifeVest patient education  
video, visit **[www.lifevestpatient.com](http://www.lifevestpatient.com)**  
or call **800.543.3267**



For more LifeVest information,  
please visit **[www.zoll.com](http://www.zoll.com)**  
or email **[LifeVest.Info@zoll.com](mailto:LifeVest.Info@zoll.com)**

<sup>1</sup> Whiting J, Simon M. Health and lifestyle benefits resulting from wearable cardioverter-defibrillator use. *The Journal of Innovations in Cardiac Rhythm Management* 2012;1-2.

<sup>2</sup> Kutyifa V, Moss A, Klein H, et al. One-Year Follow-Up of the Prospective Registry of Patients Using the Wearable Defibrillator (WEARIT-II Registry). *Pacing Clin Electrophysiol.* 2018;1-7. <https://doi.org/10.1111/pace.13448>.

<sup>3</sup> Kutyifa V, Moss AJ, Klein H, et al. Use of the wearable cardioverter defibrillator in high-risk cardiac patients: Data from the prospective registry of patients using the wearable cardioverter defibrillator (WEARIT-II Registry). *Circulation* 2015;132(17):1613-1619.

**ZOLL**® LifeVest®