

LifeVest®

LIFEVEST IS LIGHTWEIGHT AND EASY TO WEAR

LifeVest consists of two main components:

- The garment, worn under the clothing, detects arrhythmias and delivers treatment shocks. The garment contains both electrodes and therapy pads, which are dry and non-adhesive.
- The monitor, worn around the waist or from a shoulder strap, continuously monitors the patient's heart. If a life-threatening rapid heart rhythm is detected, the device alerts bystanders and delivers a treatment shock to restore normal heart rhythm.



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



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



LifeVest medical orders and supporting documentation can be faxed to **866.567.7615**



For more LifeVest information, please visit **www.zoll.com** or email **LifeVest.Info@zoll.com**

ZOLL® LifeVest®

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¹ Data on file at ZOLL as of April 2011.

² Kutiyifa 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.

³ Waessnig N, Guenther M, Quick S, et al. Experience with the wearable cardioverter-defibrillator in patients at high risk for sudden cardiac death. *Circulation* 2016;134:635-643.

⁴ Chung MK, Szymkiewicz SJ, Shao M, et al. Aggregate national experience with the wearable cardioverter-defibrillator: Event rates, compliance, and survival. *J Am Coll Cardiol*. 2010;56(3):194-203.

⁵ Klein HU, Meltendorf U, Reek S, et al. Bridging a temporary high risk of sudden arrhythmic death: Experience with the wearable cardioverter defibrillator (WCD). *Pacing Clin Electrophysiol*. 2010;33:353-367.

⁶ Epstein AE, Abraham WT, Bianco NR, et al. Wearable cardioverter-defibrillator use in patients perceived to be at high risk early post myocardial infarction. *J Am Coll Cardiol*. 2013;62(21):2000-2007.



Blue™ Gel - Only LifeVest has Blue™ gel.

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ZOLL® LifeVest®

A PROVEN THERAPY IN THE CONTINUUM OF CARE FOR PATIENTS AT RISK OF SUDDEN CARDIAC ARREST

Information for Prescribers



LIFEVEST SYSTEM OVERVIEW

The LifeVest® wearable cardioverter defibrillator (WCD) protects patients at risk of sudden cardiac death (SCD), when a patient's condition is changing and permanent SCD risk has not been established. This allows a patient's physician time to assess the patient's long-term arrhythmic risk and make appropriate plans.

LifeVest is used for a wide range of patient conditions or situations, including following a heart attack, before or after bypass surgery or stent placement, as well as for those with cardiomyopathy or congestive heart failure that places them at particular risk.

LifeVest is covered by most health plans in the United States, including commercial, state, and federal plans.

NO BYSTANDER INTERVENTION REQUIRED

LifeVest is designed to continuously monitor a patient's heart, detect life-threatening rapid heart rhythms, and automatically deliver a treatment shock to restore normal heart rhythm.

PROVEN DETECTION AND EFFICACY

The LifeVest WCD has proven detection of ventricular tachycardia (VT) and ventricular fibrillation (VF). The algorithm uses a combination of heart rate, morphology, stability, and onset criteria for arrhythmia determination. The detection algorithm is:

	SENSITIVITY	SPECIFICITY
VT	97%	100%
VF	100%	100%

Sensitivity and specificity within 60 seconds of event detection¹

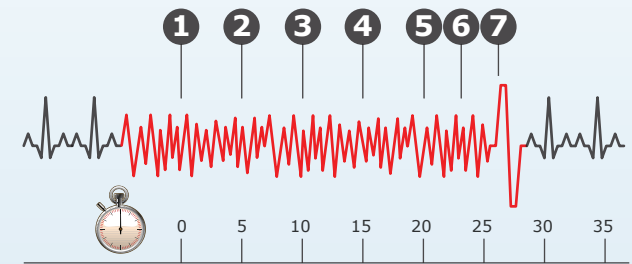
LifeVest has an unnecessary shock rate of $\leq 1\%$ per patient.^{2,3}

LifeVest has a 98% first treatment shock success rate^{2,4,5} with 92% of these patients either staying at home or arriving conscious to the ER.^{3,6}



DESIGNED TO DELIVER TREATMENT IN LESS THAN A MINUTE

LifeVest provides timely defibrillation. If a life-threatening rapid heart rhythm is detected, the device issues a series of alerts. The alerts provide a conscious patient the opportunity to inhibit a treatment shock by pressing and holding the patient response buttons. If the patient does not respond to the warnings, the device is designed to alert bystanders not to interfere and to deliver a treatment shock. The entire event, from detecting a life-threatening arrhythmia to automatically delivering a treatment shock, usually occurs in less than a minute. If necessary, the LifeVest WCD can provide up to five treatments per arrhythmic episode.



Example of typical treatment sequence

1. Arrhythmia detected, activating vibration alert (continues throughout sequence).
2. Siren alerts begin (continues throughout sequence).
3. Siren alerts get louder.
4. Patient audible prompt: "Press response buttons to delay treatment."
5. Blue™ gel release.
6. Bystander audible prompt: "Bystanders, do not interfere."
7. Treatment shock.