

e·vive™
with CyMotion™ Technology

A new approach to total knee rehab

for a new era of
value-based care.



CyMedica™
ORTHOPEDICS

Addressing the Changes in Healthcare

Value-based care programs and our transitioning healthcare system are driving a more quality based, patient-centric approach to healthcare delivery.

The Rapid Shift to Value-Based Care

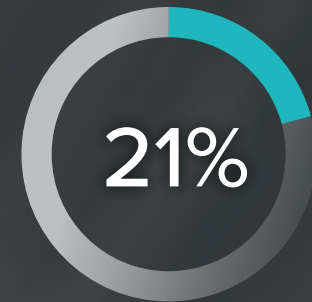
Payers are looking for the best products and solutions at the best value; meaning **proven effectiveness and lower costs** in this new bundled payments model.

Solutions need to:

- Ensure patients are compliant with care plans
- Prevent unnecessary utilization and readmissions
- Provide rapid feedback for continuous improvement of programs
- Improve patient outcomes and overall satisfaction scores

Aligning to the CJR Mandate

Bundled payment models, like the newly mandated CJR program, now hold hospitals accountable for managing costs over the entire episode of care including the critical 90-day post-discharge period—which can account for up to **60% of the total expenses**.



Studies prove that patients with low engagement post-discharge can raise the episode cost by up to 21%³



Muscle atrophy weakness adds up to \$4,200 in incremental costs to post-surgery TKA rehabilitation, due to increased need for rehabilitation and increased readmissions.⁴

60%
OF EPISODE
COST

90 Day Highly Critical Period
for patient engagement in rehabilitation

Pre-op

Acute Care/
Hospital Inpatient

Post Acute Care

Post 90 Day
Episode

Introducing

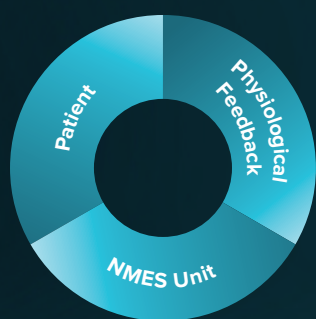
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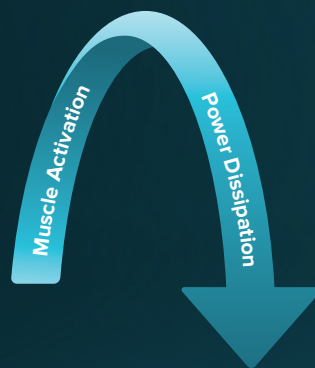
e·vive is the ONLY muscle activation therapy and patient engagement solution. An app-controlled and data-driven device, e·vive is designed to empower at-home pre-hab to rehab muscle strengthening for total knee replacement patients. It uses advanced neuromuscular electrical stimulation (NMES) to help patients strengthen their muscles, conforming to the comfort level of the patient to encourage them to use NMES as prescribed.

CyMotion Technology

Our patented CyMotion Technology uses a closed-loop feedback system to constantly monitor and adjust the power delivered based on the patient's physiology and dynamic bioimpedance. The result is that e·vive with CyMotion Technology delivers targeted muscle activation more comfortably.



Closed-loop
feedback



Power
dissipation



built in
electrodes



built in
sensor technology

The e-vive system consists of three best-in-class components:



The e-vive app

gives patients complete control over their NMES therapy for simplified operation on virtually any smartphone. Key data points are collected and sent to the cloud where providers can track patients' rehabilitation and engage with them remotely.



The CyMotion NMES controller

uses our proprietary CyMotion Technology to monitor and control the power delivered to the muscle for maximum comfort and effectiveness.



The conductive garment

with built-in sensor technology, transmits critical range of motion data and steps, while precisely positioning the electrodes in place on the quadriceps.

Intuitive app interface



STIMULATION
INTENSITY

RANGE
OF MOTION

PROGRESS
TRACKER



Empowering patients and providers through tele-rehabilitation and quality care.

The e-vive system has been optimized to help clinicians deliver more predictable outcomes. Key data points such as range of motion, activity level, pain level, and more, are collected and wirelessly sent to our provider portal. Surgeons and physical therapists have real-time access to their patients' information so they can monitor and motivate patients between visits.

CyMedica is focused on delivering advanced muscle activation solutions for tele-rehabilitation— because more engaged patients means faster recover times, lower chances of readmission, and more predictable outcomes.

**That's true quality-based care.
And that's our mission here at CyMedica.**

PATIENT DATA IS DELIVERED TO THE
CLOUD-BASED PROVIDER PORTAL





Experience the new standard of care for
TKA and ACL muscle stimulation recovery:
e-vive™ with CyMotion™ Technology.

To learn more, visit
www.cymedicaortho.com
or call **844-296-2014**

CY-0065-001 Rev A

1. Chen et al. Association between muscle atrophy/weakness and health care costs and utilization among patients receiving total knee replacement surgery: a retrospective cohort study. *J Pain Res.* 2013 Aug 1; 6:595-603. 2. Mizner RL, et al. Early quadriceps strength loss after total knee arthroplasty. The contributions of muscle atrophy and failure of voluntary muscle activation. *J Bone Joint Surg Am.* 2005;87(5):1047-1053. 3. Judith H. Hibbard, Jessica Greene and Valerie Overton (2013). *Health Affairs*, vol. 32 no. p.216-222. "Patients With Lower Activation Associated With Higher Costs; Delivery Systems Should Know Their Patients' Scores". 4. Chen, teal, (2013). *Journal of Pain Research*, 2013;6 595-603. Association between muscle atrophy/weakness and health care costs and utilization among patients receiving total knee replacement surgery: a retrospective cohort study. 5. Walls RJ, et. Al. Effects of preoperative neuromuscular electrical stimulation on quadriceps strength and functional recovery in total knee arthroplasty. A pilot study.