



How might we design VAD education modules to fulfill the needs for pediatric patients, families, and clinicians?

PEDIATRIC VENTRICULAR ASSIST DEVICE (VAD) EDUCATIONAL MATERIALS

The Action Learning Network, led by CCHMC cardiologists, approached Live Well to design age and developmentally appropriate VAD education materials for pediatric patients, families, and staff members. The materials should be innovative and accessible for digital and analog use.

WHEN:

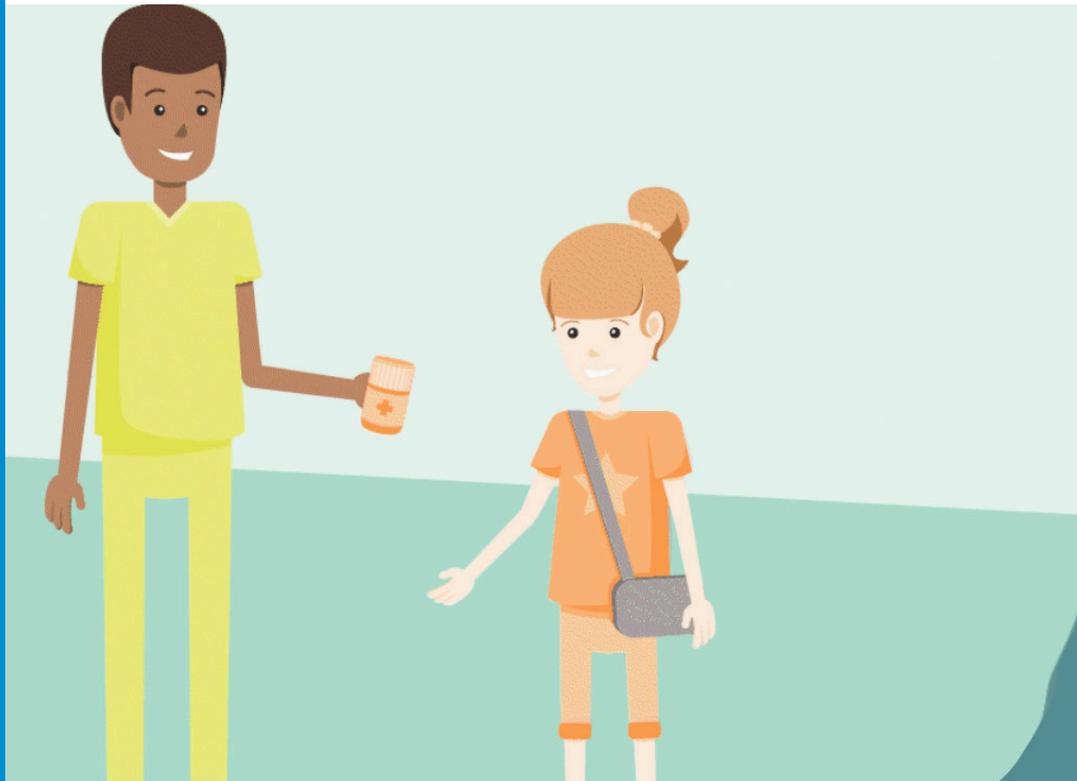
Fall 2018

SKILLS INVOLVED:

Motion Design
User Research
Graphic Design
Medical Design

CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER

Advanced Cardiac Therapies
Outcomes Network (Action)
CCHMC: Angela Lorts, MD, Chet Villa, MD, Katrina Fields, Ryan Moore, MD, Lauren Burkhart



Many types of VADs exist and most are used “off-label” in pediatric settings; this means the industry is not required to produce pediatric specific education. Improving and standardized pediatric VAD education is a modifiable risk factor. Appropriately designed modules would greatly reduce the educational burdens at institutions across the country.

Research

The LWC team conducted numerous patient/family and clinician interviews to create learning module content. The team developed a unified style and tone of voice for the modules branded for Action.

Ideation

The LWC team developed concepts for the learning modules and videos.

Highlights:

- **How VADs work**

Graphic interchange format (GIFs) and click through animations were used throughout the module to show key content.

- **Main character**

The main character is always shown with her VAD bag which contains the device's controller and electronics.

- **Education samples**

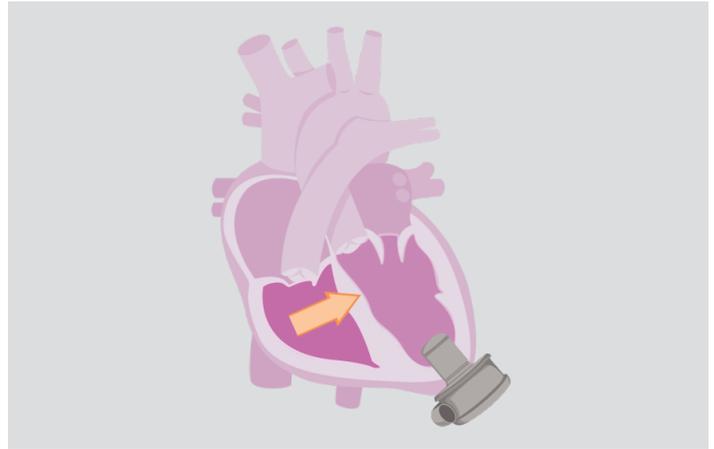
The team created over 130 slides and a 90 second animation.

Refinement

The LWC team delivered the first of two learning modules. It covered VAD basics, continual flow VADs, pre- and post-surgery, and transitioning to home. The project will continue for a second semester in Spring 2019.

Key Benefits:

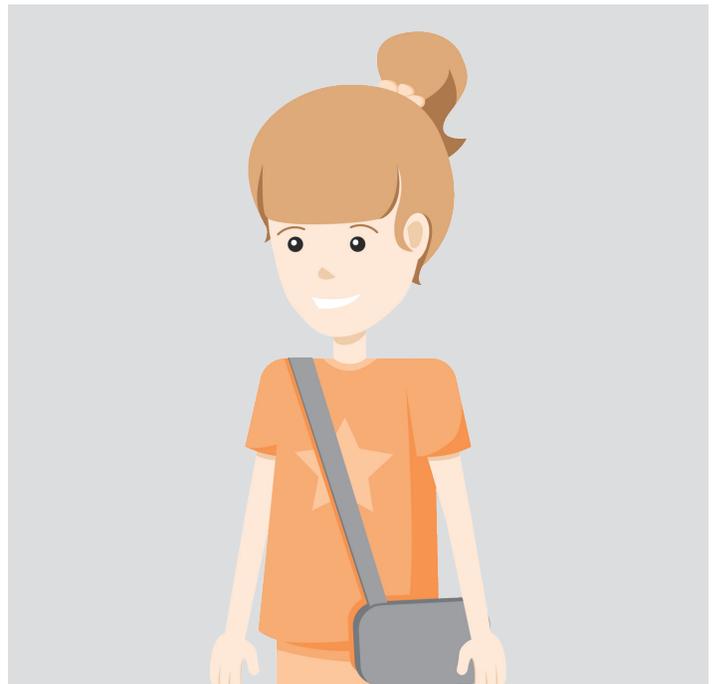
01. Comprehensive education
02. Improved information
03. Appealing design



Heart graphic



Meeting with clinical team



Where is it now?

Redesigns were shared with the clinical team.