

Supplementary Figure 1. Distributions of countries represented in survey. We asked clinicians to identify their U.S. state or country of work. One clinician indicated Europe rather than a country.

Supplementary Table 1. Clinician & Facility Characteristics

Characteristics	mean ± SD
	or n (%)
Clinicians (N=60)	
Sex (female)	33 (55)
Race (Caucasian/White)	52 (86.7)
Ethnicity (Hispanic)*	3 (5)
Role	
Cardiologist	22 (36.7)
LVAD Coordinator	16 (26.7)
Advanced Practice Provider	7 (11.7)
Cardio-thoracic Surgeon	7 (11.7)
Other†	8 (13.3)
Years working with patients with HF	16.4 ± 8.9
Years working with patients with	11.7 ± 6.8
LVAD	
Center	
Type (Academic Medical Center)	48 (80)
Number of LVAD implantations/year	31.5 ± 20.1
Mean percentage of BTT implants	47.4 (27.6)
* 1 clinician did not answer	

^{* 1} clinician did not answer † clinicians did not provide description of "other" role BTT = bridge to transplant

Supplementary Table 2. Responses to Open Ended Questions

Clinician Response	Frequency	Exemplar
Patient barriers to		
initiating post-LVAD PA:		
Physical limitations	14/55 (25.5%)	Chronic illness prior to implant, conditioned
		behaviour to avoid exercise.
Fear	12/55 (21.9%)	Fear of increased activity. Memory of pre-implant HF
		symptoms.
Motivation	10/55 (18.2%)	No initiative to work on their own.
Lack of guidelines	8/55 (14.5%)	Vague instructions, 'exercise as tolerated'
Patient barriers to		
sustaining post-LVAD PA:		
Motivation	21/54 (35%)	Once they have completed 12 week of cardiac
		rehab- they don't have the motivation to continue
Complications	7/54 (13%)	Infections and (completely relevant) fear of pulling
		the driveline
Cost	6/54 (11.1%)	[Patients] don't attend due to inability to afford co-
		pay
Access	5/54 (9.3%)	LVAD patients need more access to wellness
		services and supervised exercise programs outside
		of the hospital
Institutional barriers to		
initiating post-LVAD PA:		
Cost	9/51 (17.6%)	Insurance reimbursement
Staff Training	8/51 (15.7%)	We need more outpatient therapists who are
		educated in LVAD parameters and cardiac rehab
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Lack of guidelines	6/51 (12%)	Lack of guided individualized exercise training offers
Access	5/51 (9.8%)	We want to get patients exercising closer to their
		home, but often [local cardiac rehab] won't accept
		them
Institutional barriers to		
sustaining post-LVAD PA:		
Cost	21/48 (43.8%)	Lack of finances after insurance rehab days are
		gone
Staff Training	7/48 (14.6%)	Lack of staff training in LVAD rehab
Transportation	5/48 (10.4%)	Patients who live in rural areas often have few local
		resources and limited transportation
Access	6/48 (12.5%)	Few options past phase II cardiac rehab. Patients
		don't feel comfortable working out in their own
		gyms, but can't afford gym memberships or home
		exercise equipment
Lack of guidelines	3/48 (6.25%)	Lack of effective dissemination of best practice
		evidence surrounding exercise tolerance in the VAD
		population

Supplementary Table 3. Post-LVAD Implantation Physical Activity Recommendations

Inpatient	Setting
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 Supervised, early mobilization once hemodynamically stable

Outpatient Setting

- Initiate PA or cardiac rehabilitation within 2-4 weeks post-implantation with input from an LVAD clinician
- Begin with low intensity activity (e.g. walking, stationary bike) and add lower and upper body resistance training
- PA sessions a minimum of 3 days per week for a minimum of 20 minutes per session
- Encourage PA self-management using the Borg rating of perceived exertion (RPE) scale (RPE 11-13)