Tailored Implementation of a Decision Support Strategy for Left Ventricular Assist Devices across All Programs in the United States

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November 2, 2018
Project Overview

• LVADs involve complex tradeoffs → preference-sensitive decision
• Decision aids standardize the process
• Systematically developed patient decision aid pamphlet and video for patients and their caregivers considering LVAD
Project Overview

- DECIDE-LVAD Trial to test the effectiveness of a shared decision making (SDM) intervention for patients considering DT LVAD
  - PCORI funded
  - 6 sites
  - 248 patients and 182 caregivers enrolled
- Patient and caregiver decision quality
  - Knowledge: improved in patients
  - Values choice concordance: improved in both patients and caregivers
- Secondary outcomes:
  - Implant rate: decreased significantly
  - Successful implementation at all sites
Project Overview

• I-DECIDE-LVAD study’s goal is to implement the tested SDM intervention at as many of the 172 LVAD programs in the US as possible
  • **Aim 1**: Implement the LVAD SDM program among the 15 already identified early adopter settings.
  • **Aim 2**: Using Rogers Diffusion of Innovation Theory, determine the readiness to adopt the SDM program among the remaining US LVAD programs using a national survey.
  • **Aim 3**: Implement the LVAD SDM program at remaining LVAD programs using an implementation strategy tailored by the results from aim 2.
  • **Aim 4**: Evaluate reasons for successful and unsuccessful adoption, implementation, and maintenance using the RE-AIM model and a mixed methods approach.
Adaptations

• Change of decision aids from DT to non-indication specific
• In-person training to online training
Strategies for SDM in Practice

- Minimal intervention needed for change
  - LVAD context warm to SDM
  - Built in delivery model with LVAD coordinator teaching session
- Use Diffusion of Innovation theory to categorize LVAD programs in order to frame implementation strategy
## Strategies for SDM in Practice

<table>
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<tr>
<th>DOI Category</th>
<th>Tailored Strategies</th>
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| Innovators/ Early Adopters| **Core bundle (all programs):**  
• 50 free DA packets; A “User’s Guide”; Invitation to Facebook group |
| Early Majority            | • Core bundle (above)  
• Webinars: Group calls with LVAD programs |
| Late Majority             | • Core bundle (above)  
• Webinars: Group calls with LVAD programs;  
• Consultative trouble-shooting;  
Invitation to meet at scientific conference |
| Laggards                  | • Core bundle (above)  
• We will work with stakeholder to develop policy to encourage Laggards to participate |
Implementation Sites

• 15 “early adopter” LVAD programs
  • Members on our team had professional connections to those in HF/LVAD community
  • LVAD community is small and tight-knit

• Additional LVAD programs will be recruited over time
  • Through relationships, stakeholder partners, professional societies, and direct outreach
Evaluation Plan

• RE-AIM
  • Provider Surveys
    • Baseline survey – assess intention to Adopt
    • Check-in surveys – assess Reach and Adoption
    • Final survey – assess Adoption, Implementation, Maintenance
  • Provider interviews
    • From sub-set of programs – assess Adoption, Implementation, Maintenance
  • Patient surveys
    • From sub-set of programs – assess Effectiveness
    • Previous PCORI-funded DECIDE-LVAD trial assessed patient outcomes in detail
Patient and Stakeholder Roles

• 2 stakeholder panels
  • General Stakeholder Panel:
    • Patients, caregivers, LVAD coordinators, and social workers involved in DECIDE-LVAD
  • Provider Stakeholder Panel:
    • Cardiologists, palliative care providers, advanced practice providers, LVAD coordinators from early adopter sites
Challenges and Successes

• November 1, 2018 start date
• Worked in the interim between DECIDE-LVAD trial and I-DECIDE study
  • Developed marketing campaign, implementation resources, data collection tools, and program lists
  • Will begin surveying programs and implementation at early adopters
Learn More

• [www.patientdecisionaid.org](http://www.patientdecisionaid.org)

• [www.pcori.org](http://www.pcori.org)

• [info@pcori.org](mailto:info@pcori.org)

• [#PCORI2018](http://#PCORI2018)
Questions?

Thank You!

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November 2, 2018
Lunch Break
12:15pm to 12:30pm

Please pick up your boxed lunch in the Marriott Foyer and bring back into the room