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### Technology and workflow recommendations to improve use of guideline directed medical therapy for heart failure with reduced ejection fraction.

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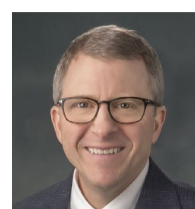
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# Technology and Workflow Recommendations to Improve Use of Guideline Directed Medical Therapy for Heart Failure with Reduced Ejection Fraction



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**BACKGROUND:** Optimal use of Guideline Directed Medical Therapy (GDMT) is the cornerstone of reducing mortality and morbidity in heart failure patients with reduced ejection fraction (HFrEF).<sup>1</sup> Interventions targeted at increasing GDMT use are necessary to improve outcomes.<sup>2</sup> Integration of a pharmacist in specialty clinics may improve GDMT use; However, the potential benefit may be underrealized due to constraints in technology use and workflow.<sup>3</sup>

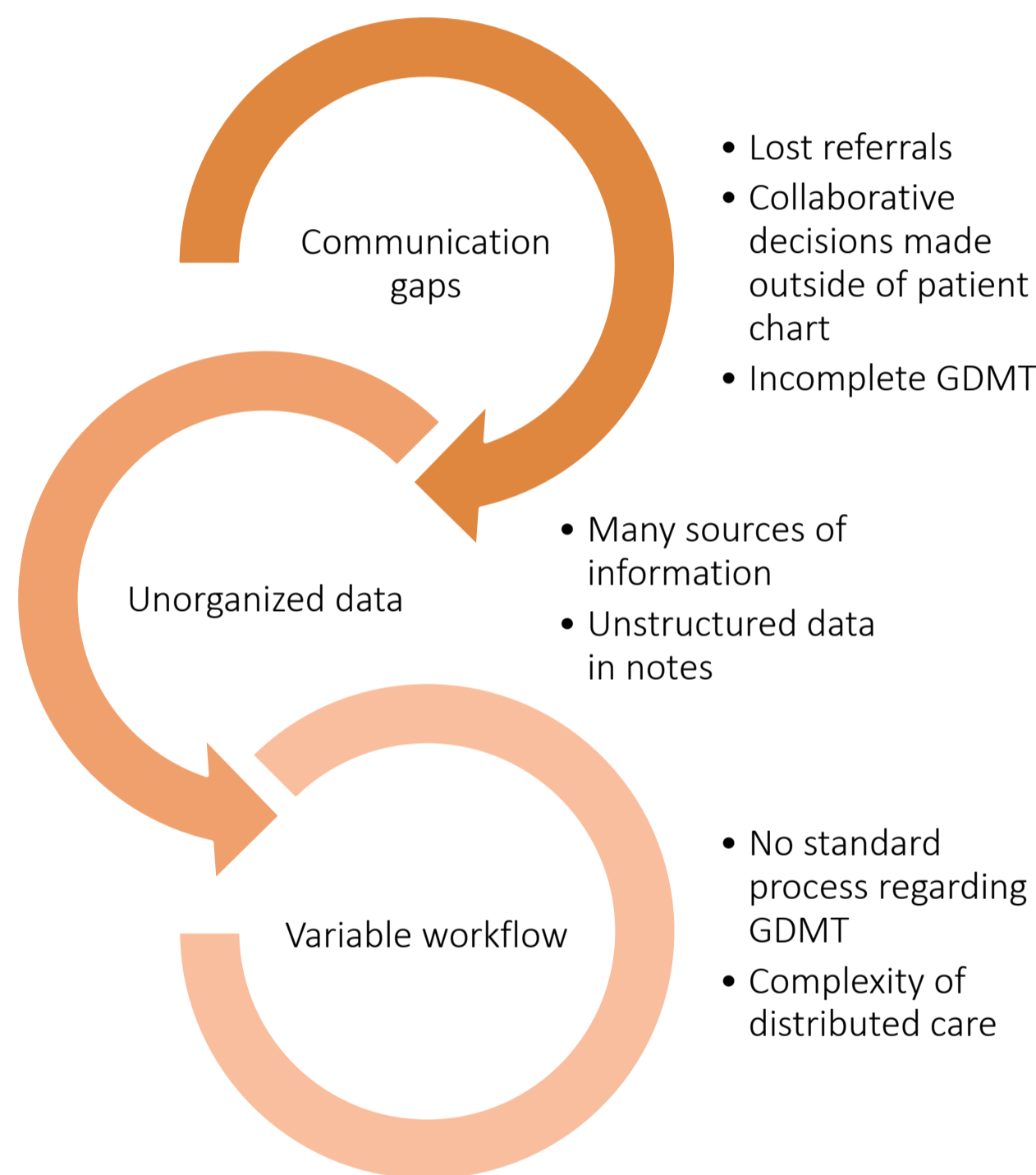
**PROJECT INTENT:** To understand existing processes and explore workflow optimization opportunities to enhance use of GDMT prescription for patients with HFrEF.

**METHODOLOGY:** Teams of 2 researchers performed contextual inquiry<sup>4</sup> during in-situ, 2-hour observations with 5 physicians, 3 nurse practitioners and 1 pharmacist, with attention to workflow during patient visits and interaction with a mock patient record (with HFrEF) in the EHR.

**RESULTS:** Proposed solutions based on the following identified challenges (see figures): 1) communication gaps, 2) unorganized data, 3) variable workflow, which contribute to redundancy in workflow.

**CONCLUSIONS:** Workflow standardization and EHR documentation should be optimized together for process improvement. The design and workflow recommendations could be applied to care plans for other conditions and clinical domains.

## Identified Challenges:



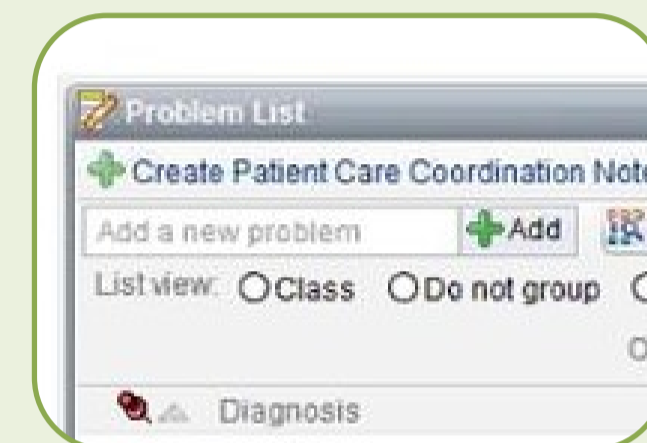
## Proposed Solutions:

**GDMT for HFrEF (Overview)**

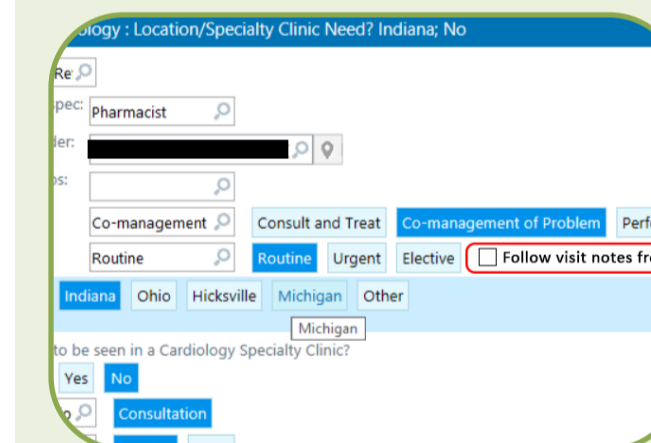
ACE /ARB /ARNI	Beta-Blockers	Aldost. Antagonist	No Harmful Meds
Lisinopril	Atenolol, Sotalol	(None)	Aspirin
		<a href="#">Review Exception</a>	<a href="#">Add Exception</a>

[Review / change medications](#)

Review GDMT Snapshot with quick actions



Document GDMT exceptions in the Problem List



“Follow” updates from referral visits



Develop standard process for HF visitis

## VALUE PROPOSITION:

Improving GDMT adoption through easy-to-implement workflow and technology recommendations has the potential to lower costs, improve patient outcomes and increase physician efficiency.

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**References:**

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