

# RECOVER AF Study Highlights

## Insights into the Clinical Benefits of AcQMap-guided Ablation

AcQMap equips physicians with a whole-chamber, single-beat, non-contact mapping solution that enables the seamless visualization of patient-specific drivers and maintainers of atrial fibrillation (AF). This pivotal advantage encourages the efficient delivery of patient-specific therapy tailored to minimize the amount of healthy tissue ablated and optimize outcomes.

### AcQMap Is a First-Line Solution for the Retreatment of Persistent AF

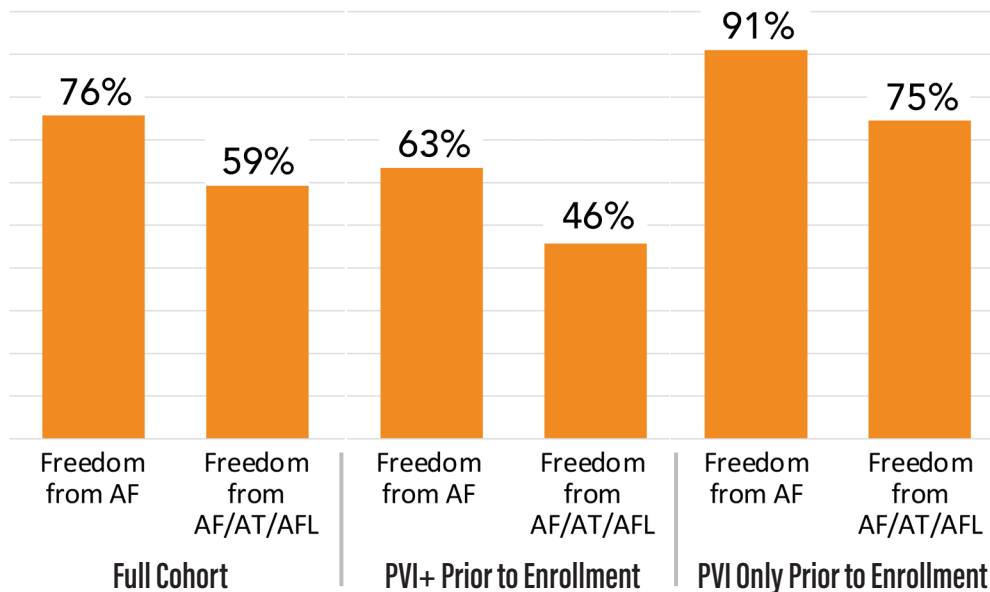
**76%** freedom from AF at 1 year  
Aligned with other key AcQMap studies

- UNCOVER AF: 73%<sup>2</sup>
- Core-To-Boundary: 88% (2-year)<sup>3</sup>

**91%** freedom from AF at 1 year  
(de novo PVI only patients)  
(43/47 patients)

AcQMap offers physicians a powerful tool to rely on with their most challenging and complex persistent AF cases. Mounting evidence indicates that it is *remarkably* effective when leveraged as a first-line solution for retreatment for persistent AF, and may be underutilized if only used for later procedures.

#### Patient Outcomes at 1 Year



These particularly high success rates for persistent AF retreatment patients could indicate that ablation beyond the PVs that are not informed by a patient's activation during AF could be deleterious to future treatment.

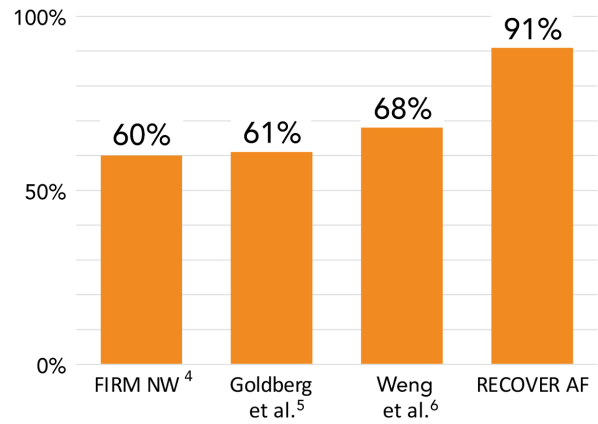
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Lead author of RECOVER AF 2023

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# AcQMap-guided Therapy Outperformed Traditional Anatomical Strategies

When AcQMap was leveraged to guide ablation strategies, researchers achieved significantly improved outcome rates at one year. Vein re-isolation had no significant impact on outcomes ( $p=0.45$ ).

## Freedom from AF at 1 Year



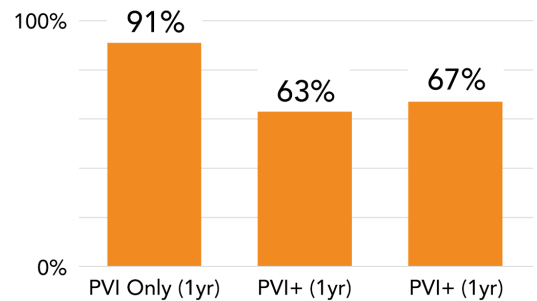
Ablation Strategy	PV Re-Isolation Only	CFAE, Lines	LVA, Triggers, Lines	AcQMap-Guided
PV Re-Isolation Only	PAF & PersAF	PersAF	PAF & PersAF	PersAF

# Anatomical Strategies May Be Harmful

These findings strongly suggest that adopting a patient-specific strategy that reduces empirical ablations *may* be critical to preserving healthy tissue and improving success rates.

More Empirical Ablations, More Difficult to Treat

## Freedom from AF



Number of Procedures Prior to Enrollment	1	1	2
Number of Patients	47	29	27

Patient Cohort	Comparative likelihood of AF freedom at 1 year
1st retreatment patients with de novo PVI only VS First retreatment patients with PVI+	10.9x

# Join the Investigation

While studies are just beginning to reveal the impact mapping AF can have on improving outcomes for patients with persistent AF, it is evident the technology offers advantages worthy of further investigation.

Partner with us to begin your investigation into the clinical benefits of mapping AF. Speak to your Acutus representative now to learn how.

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## References:

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- 5 Goldenberg et al. The incremental benefit of non-pulmonary vein left atrial ablation in patients undergoing a repeat persistent atrial fibrillation ablation procedure. *J Interv Card Electrophysiol* (2017) 48:185-191
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