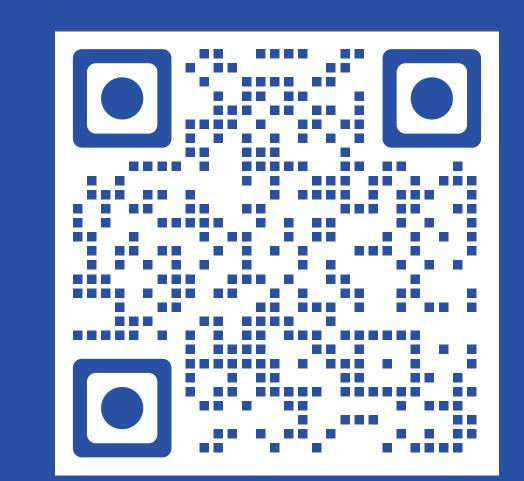
Higher Risk of Mortality in Previously Hospitalized Patients: Insights From ATTRibute-CM

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OBJECTIVE

• To evaluate the relationship between CVH and subsequent survival across treatment arms in ATTRibute-CM

INTRODUCTION

- ATTR-CM, caused by the destabilization of the TTR (also known as prealbumin) tetramer, is a chronic disease characterized by progressive heart failure, significantly impaired quality of life, hospitalization, and death¹⁻³
- CVH is an indicator of higher mortality in patients with undifferentiated heart failure. Whether this association might be observed in the ATTR-CM population has not been determined
- Acoramidis is a next-generation, investigational, near-complete TTR stabilizer (>90% vs placebo) for the treatment of patients with ATTR-CM⁵⁻⁷
- In a phase 3 study (ATTRibute-CM, NCT03860935), acoramidis demonstrated improved clinical outcomes in patients with ATTR-CM, including a 50% reduction in the risk of CVH compared to placebo over 30 months, with a positive treatment effect observed as early as 3 months⁷

METHODS

- Details of the study design have been previously published⁷
- The mITT population (n=611) was the primary analysis population for efficacy endpoints and included randomized participants who received at least 1 dose of study drug and had a baseline eGFR ≥30 mL/min/1.73 m²
- ACM and cumulative CVH were considered to be the most clinically important components within the primary hierarchical endpoint
- ACM included CEC-reviewed and -adjudicated death, heart transplant, and implantation of CMAD, defined as a durable CMAD implanted in a participant with end-stage heart failure
- CVH was defined as a nonelective admission to an acute care setting for cardiovascular-related morbidity that resulted in at least a 24-hour stay (or a date change, if the time of admission/discharge was not available) or an unscheduled medical visit of <24 hours due to heart failure and requiring treatment with IV diuretics
- Kaplan-Meier curves for patients with and without CVH were plotted in this post-hoc analysis

CONCLUSIONS

- To our knowledge, this is the first time a prospective trial has demonstrated that CVH portends a higher subsequent mortality in patients with ATTR-CM
- This suggests that effective treatment to reduce the need for CVH is critically important, and that highly effective, targeted therapy for ATTR-CM that reduces CVH can improve the prognosis of patients with ATTR-CM

RESULTS

 Demographics and baseline disease characteristics were mostly comparable between patients with and without CVH (**Table**); patients with CVH had higher baseline NT-proBNP and lower eGFR

TABLE. Demographics and Baseline Characteristics by CVH Group (mITT Population)

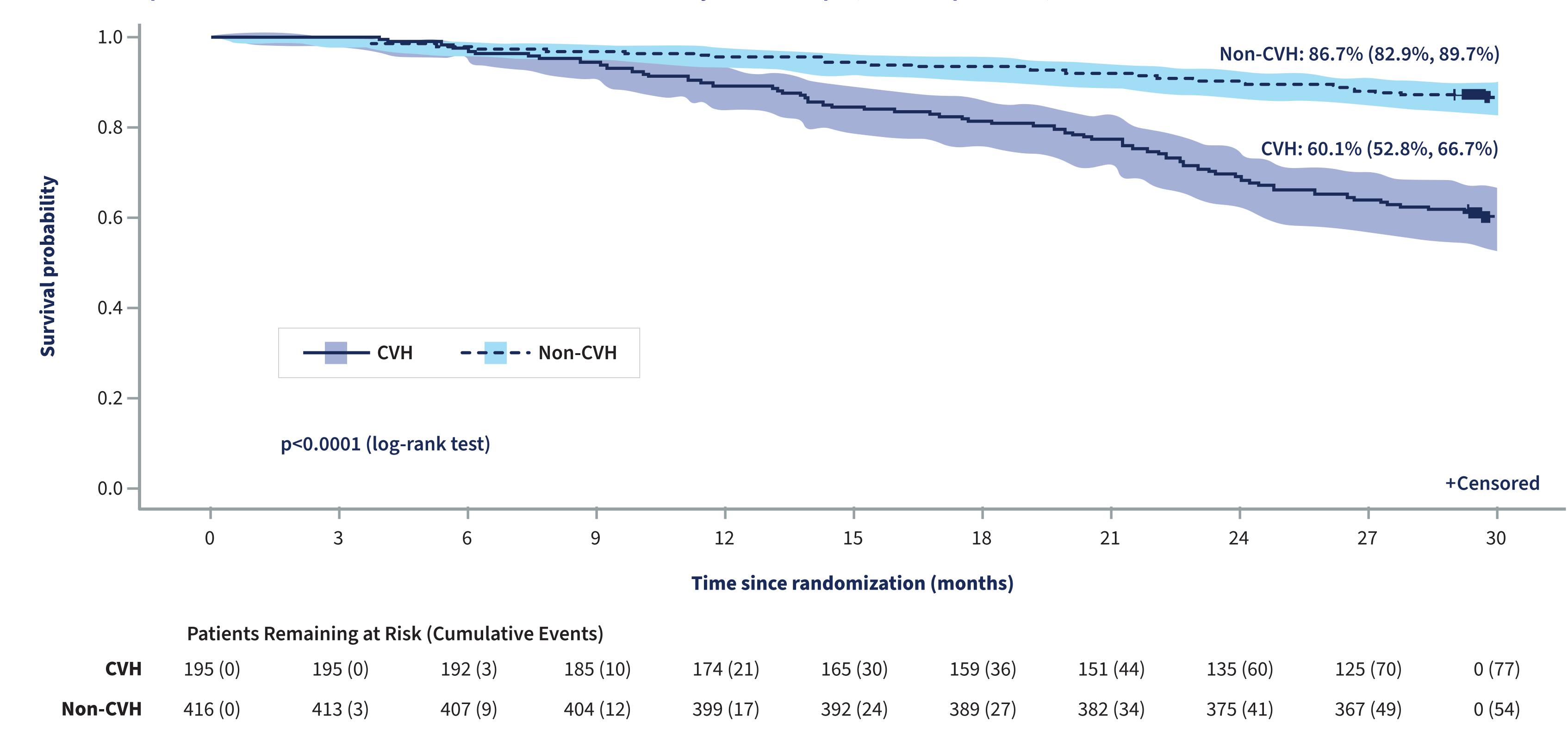
Parameters	Overall Population	
	CVH n=195	Non-CVH n=416
Age, years, mean (SD)	77 (6.3)	77 (6.7)
Male sex, n (%)	174 (89.2)	381 (91.6)
White race/ethnic group, n (%)	176 (90.3)	361 (86.8)
TTR genotype, ATTRwt-CM, n (%)	167 (85.6)	385 (92.5)
NYHA class, n (%)	12 (6.2) 149 (76.4) 34 (17.4)	56 (13.5) 295 (70.9) 65 (15.6)
Serum TTR, mg/dL, mean (SD) ^a	23 (6.4)	23 (5.4)
NT-proBNP, ng/L, mean (SD)	3266 (2094.6)	2573 (2025.0)
eGFR, mL/min/1.73 m², mean (SD)	59 (16.8)	64 (17.5)

^aNumber of patients with serum TTR assessments: CVH, n=191; non-CVH, n=414.

Mortality over the 30-month treatment period, by CVH groups

• Patients with no CVH during the study had a 30-month survival rate of 86.7% (95% CI, 82.9%-89.7%) vs 60.1% (95% CI, 52.8%-66.7%) in patients who had at least one CVH during the study (p<0.0001) (**Figure**)

FIGURE. Kaplan-Meier Curve for Time to ACM Over Month 30 by CVH Groups (mITT Population)



FUNDING: This study was sponsored by BridgeBio Pharma, Inc., San Francisco, CA, US. **ABBREVIATIONS:** ACM, all-cause mortality; ATTR-CM, transthyretin amyloid cardiomyopathy; ATTRwt-CM; wild-type cardiomyopathy; CEC, clinical events committee; CMAD, cardiac mechanical assist device; CVH, cardovascular-related hospitalization; eGFR, estimated glomerular filtration rate; IV, intravenous; mITT, modified intent-to-treat; NT-proBNP, N-terminal pro-B-type natriuretic peptide; NYHA, New York Heart Association; TTR, transthyretin. **ACKNOWLEDGMENTS:** Under the direction of the authors, medical writing assistance was provided by Syneos Health Medical Communications, LLC, and supported by BridgeBio Pharma, Inc. **REFERENCES:** 1. Rapezzi C, et al. *Nat Rev Cardiol.* 2010;7(7):398-408. 2. Ruberg FL, et al. *JAMA.* 2024;331(9):778-791. 3. Lane T, et al. *Circulation.* 2018;61(17):7862-7876. 7. Gillmore JD, et al. *N Engl J Med.* 2024;390(2):132-142.

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