Viz™ HCM

Streamline the HCM patient journey

Viz.ai

Hypertrophic cardiomyopathy: Potentially fatal, yet commonly missed

1 million
people affected
in the U.S[1,2]

20%
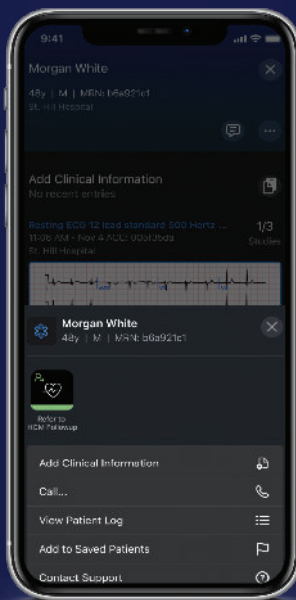diagnosis
rate[1,2]

5 years
to diagnosis[3]

End-to-end approach for detecting suspected HCM and directing patients

Viz HCM delivers real-time AI analysis of 12-lead ECGs to flag and triage suspected cases to HCM specialists for diagnostic workup, all from the Viz HCM mobile app.
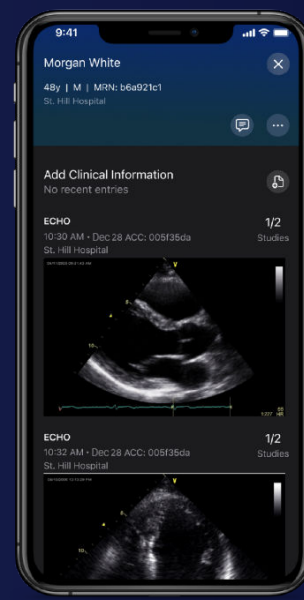
Example views of Viz HCM mobile application

Flag Suspected HCM
Review patients identified by
AI as having signals of HCM.

Follow Up
Direct patients to the HCM
specialist for additional workup.

Diagnose
View echo images and
reports to diagnose HCM.

> Given the high prevalence of patients with suspected HCM who remain undiagnosed, flagging and connecting them quickly to the right providers is critical to improve health outcomes.

Matthew Martinez, MD
Director of Sports Cardiology and HCM, Atlantic Health System

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1 Hypertrophic Cardiomyopathy Association. (2021, June). HCM Prevalence. 2 Butzner M et al 2021.
Am J Cardiol 3 The Patient's Voice | HCM: Understanding the Patient Journey From Diagnosis to Treatment (2022)

Learn More:

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Ensuring AI algorithm robustness

Viz HCM AI was trained using ECGs from **more than 300,000 individuals worldwide**.

Robust AI Development
- 830k+ ECG exams
- Covering non-obstructive and obstructive HCM

Diverse Dataset
- Sourced from global locations
- Included racial & ethnic differences seen in PQRST wave morphologies

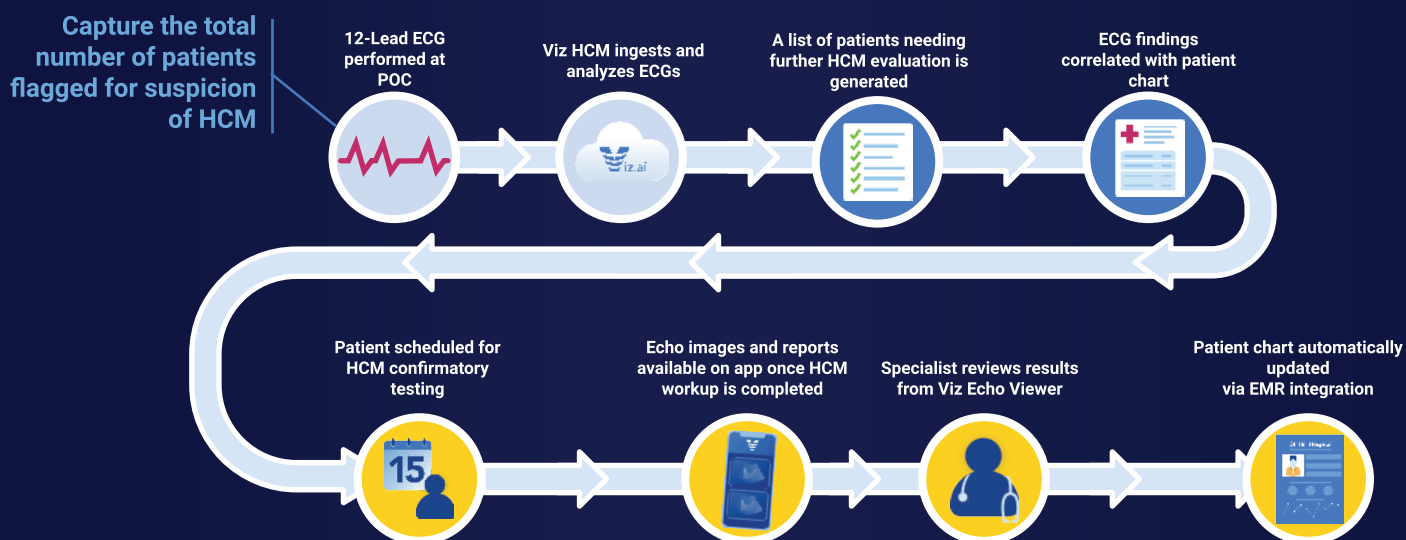**Gold Standard Validation**
- Echocardiography
- Cardiac MRIs

Viz HCM performance by race

	AUC*	Sensitivity	Specificity
Asian	0.987	73.3%	98.9%
Black	0.981	64.5%	99.2%
Hispanic	1.000	100%	98.2%
White	0.972	66.8%	99.1%

*AUC = Area under the curve for detecting suspected HCM

Source: Algorithm Performance Data from Mass General Brigham

Improving care coordination at health systems

Capture the total number of patients flagged for suspicion of HCM

12-Lead ECG performed at POC → **Viz HCM ingests and analyzes ECGs** → **A list of patients needing further HCM evaluation is generated** → **ECG findings correlated with patient chart**

Patient scheduled for HCM confirmatory testing → **Echo images and reports available on app once HCM workup is completed** → **Specialist reviews results from Viz Echo Viewer** → **Patient chart automatically updated via EMR integration**

Learn more about how Viz HCM can advance your program.
Contact us at hcm@viz.ai.