NashBio®
Smarter Data is in Our DNA

CLINICAL SPECIALTY CARDIOLOGY DATA

Access the clinical evidence required for cardiovascular research

The NashBio Clinical Specialty (CS) Cardiology dataset integrates longitudinal clinical records with expert-curated measures of cardiac function and remodeling to reveal the signals that govern disease progression, clinical decision making and treatment response.

930K+	67M+	75+ measures	25+ measures
unique patients	rows of data	from echo reports	from ECG reports

Challenge: Moving Beyond Billing Codes

ICD codes only tell part of the story. Standard real-world data often creates information gaps where critical details are trapped in reports. Researchers are forced into a trade-off: settle for surface-level codes or invest months in manual chart review or complex natural language processing.

Solution: Measurement-Based Discovery

CS Cardiology eliminates this trade-off by delivering a research-ready table of specialized cardiac measurements natively integrated with our longitudinal clinical data. Intentionally designed to track a broad population over time, researchers can pivot across various therapeutic use cases, explore a living dataset with rich clinical histories and access the evidence required to see the crosstalk between metabolic, renal, hepatic and cardiovascular systems.

Driving High Value Research (Use Cases)

Capture the Undiagnosed

Identify at-risk and subclinical populations often missed in pre-defined cohort datasets reliant on diagnosis codes.

Design Complex Cohorts

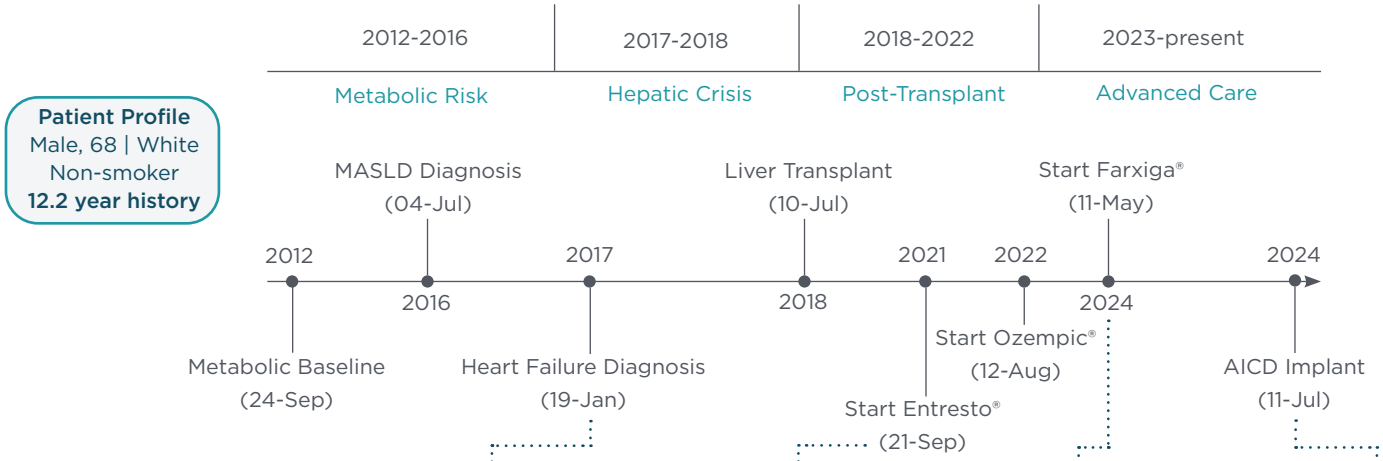
Move beyond generic heart failure labels to define robust phenotypes. Combine **LVEF** and **NT-proBNP** measurements to precisely isolate HFpEF populations or other complex clinical subtypes.

Monitor Drug Safety

Enhance safety signaling with granular evidence from ECG and echo reports. Track sensitive markers such as corrected **QT intervals** and **LVOT peak gradients** over time to detect myocardial injury or drug-induced arrhythmias.

Uncover the drivers behind real-world treatment response

CS Cardiology enriches the patient journey with the exact longitudinal cardiovascular measures that inform critical surgical and pharmacological interventions for the most complex cases.



Points of Contact *Provider Specialty*	Primary Care, Endocrinology	Hepatology, ED, GI Specialist	Transplant Surgery, Nephrology, ICU	Electrophysiology, Heart Failure Clinic
What Happened? *Diagnoses, Procedures, Measurements*	T2DM, HTN, Stage 3a CKD **BMI: 27.9 –› 30.1 kg/m²** **HbA1c: 4.6% –› 8.2%** **eGFR: 48 mL/min**	Decompensated Cirrhosis, Portal HTN Recurrent GI bleeds requiring band ligation **Peak Bilirubin: 3.6 mg/dL**	Liver Transplant, Post-op Rejection, Stage 4 CKD Immunosuppression monitoring (FK-506) **eGFR: 31 mL/min**	Biventricular HF, LBBB, AICD placement **NT-proBNP: 3,450 pg/mL** **Troponin-T: 270 ng/L**
Treatment Plan *Medications*	Metformin, Statins Switch to NovoLog® / Levemir®	Rescue regimen: Lactulose, Rifaximin Escalate Loop Diuretics	Tacrolimus, Mycophenolate Start Entresto®	Optimized GDMT: Farxiga®, Ozempic®, Lokelma®
CS Cardiology Evidence	Establish Baseline **Normal Sinus Rhythm** **LVEF: 60%**	Structural Remodeling **Septal thickness: 1.43 cm** **Diastolic dysfunction**	Acute Post-Op Decline **LVEF: 26.5%**	Electrical Failure **QRS Duration: 182 ms** **LVEF: 24%**

MASLD: Metabolic Dysfunction-Associated Steatotic Liver Disease, AICD: Automated Implantable Cardioverter Defibrillator, ICU: Intensive Care Unit, T2DM: Type 2 Diabetes Mellitus, HTN: Hypertension, CKD: Chronic Kidney Disease, ED: Emergency Department, GI: Gastrointestinal, HbA1c: Glycated Hemoglobin, eGFR: Estimated Glomerular Filtration Rate, HF: Heart Failure, LBBB: Left Bundle Branch Block, LVEF: Left Ventricular Ejection Fraction, GDMT: Guideline-Directed Medical Therapy

Why Researchers Choose CS Cardiology

Analysis-Ready: Critical variables (e.g., LVEF, E/e' ratio, corrected QT interval) are provided in a tabular format, removing the need for internal NLP or manual extraction.

Multimodal Context: Specialty features link seamlessly with longitudinal EHR data to enable insights into clinical-decision making.

Clinical Intentionality: Domain experts curate every variable to reflect real-world cardiology practice, ensuring your research is built on the most relevant endpoints.

Solutions With Your Goals in Mind

Multi-Indication Dataset
Accelerate your internal pipeline with an annual license designed for immediate impact across multiple use cases - from training AI models to identifying rare phenotypes at scale.

Custom Insights
Partner with NashBio experts for a scoped, rapid-turnaround project. We handle everything from cohort design to final analysis, bridging the gap between complex data and actionable outcomes.

To learn more about NashBio or to request a private demo of our capabilities, please visit www.nashbio.com or email us at info@nashbio.com.

Leveraging Vanderbilt University Innovation

www.nashbio.com

NashBio®