Key questions defining research program:

1) How can we improve the outcome of heart failure patients who are candidates for cardiac resynchronization therapy (CRT)?
2) Do patients with arrhythmic cardiac arrest in the context of a reversible cause benefit from defibrillator therapy for long term survival?
3) What patients and provider factors can be modified to bring more gender and racial equity to defibrillator therapy?
4) How can cardiac imaging be used to better stratify patients for their risk of sudden cardiac death?

Key words describing research program:

1) Sudden Cardiac death
2) Defibrillator therapy
3) Cardiac resynchronization therapy
4) Disparities
5) Arrhythmias

Titles for shovel-ready research projects:

1) Is cardiac resynchronization therapy (CRT) using a defibrillator (CRT-D) rather than a pacemaker (CRT-P) superior for the endpoint of all-cause mortality in older heart failure patients?
2) Are patients with sudden arrhythmic cardiac death in the context of a reversible and correctable cause at risk of recurrent life-threatening arrhythmias?
3) What is the impact of a best practice alert through the electronic medical records on the rates of ICD implantation in patients with severe cardiomyopathy (LVEF<36%)?

Data sources for shovel-ready research projects:

1) EpiCare
2) PowerChart
3) EP laboratory databases