

**38TH ANNUAL MEETING** 

# Strategies to Increase ther Use of CR in Patients with Heart Failure

Nile

Steven J. Keteyian, PhD Henry Ford Hospital Detroit, MI



No relevant conflicts

Funding: National Heart, Lung & Blood Institute #143099

**38TH ANNUAL MEETING** 



Among patients with HF, what are the non-patient challenges/barriers impacting enrollment/participation in CR?

# Health care system / CR programs

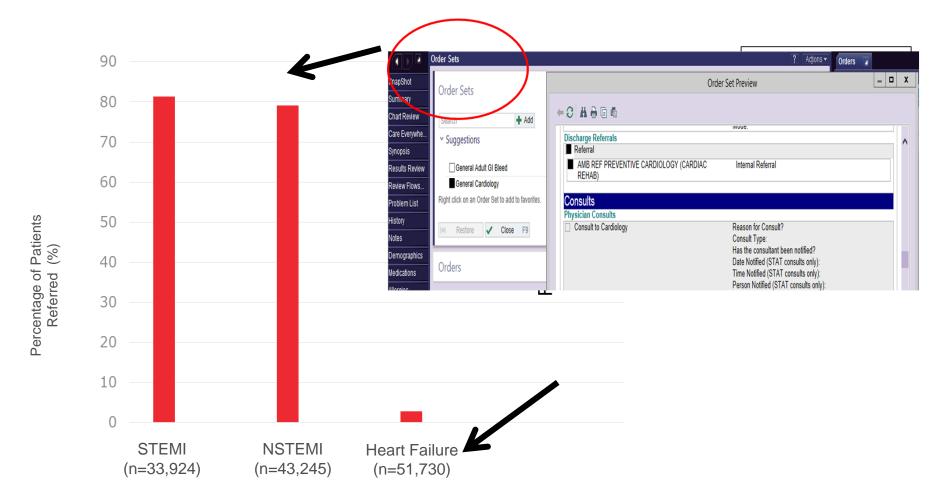
- Absence of referral, referral type and initial engagement (*e.g.*, passive vs. liaison facilitated)
- Provider endorsement
- Program operations (e.g., long discharge to start times)

## Policy and payers

- Non-coverage (HFpEF for Medicare)
- Medicare policy: 6 wk wait time before first visit
- High deductibles and co-payments



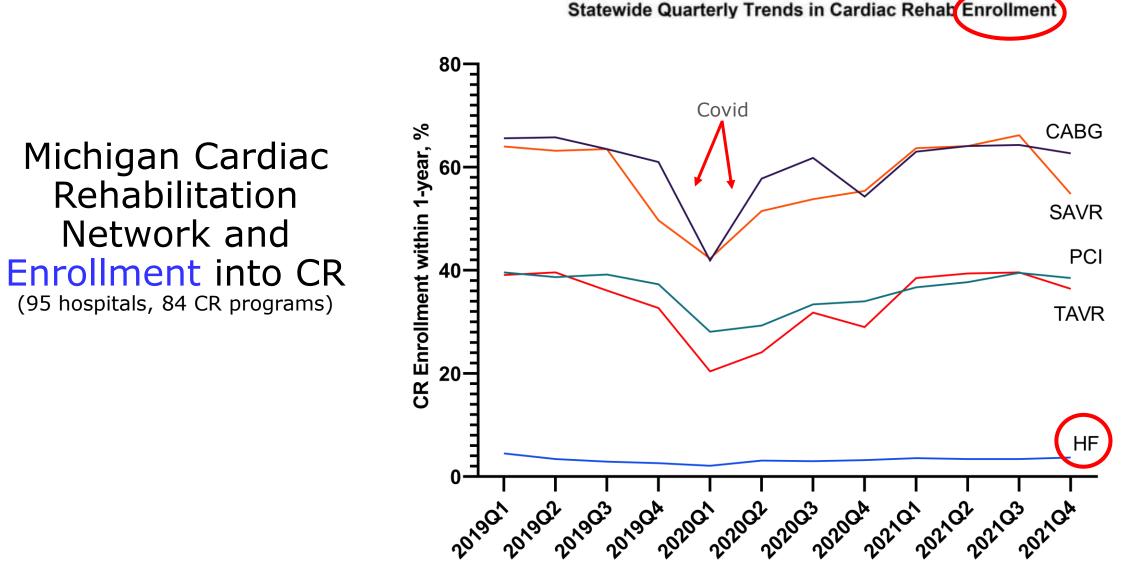
## 2018 GWTG Data for Cardiac Rehabil <u>Referrals</u> following; STEMI (n=41,727), NSTEMI (n=54,646), and Heart Failure (n=186,287)



HENRY FORD HEALTH

Unpublished data courtesy of Get with the Guidelines, New York Heart Association, September 2019





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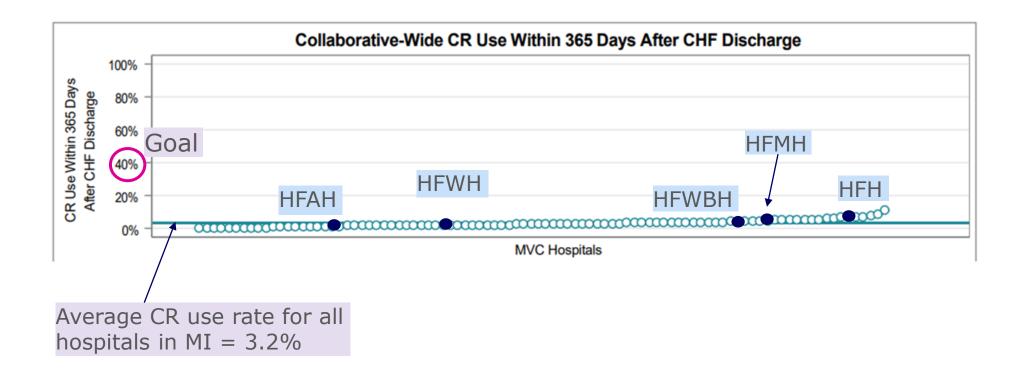
Data source = Michigan Value Collaborative Claims data base of Medicare FFS, BCBSM PPO, BCN, and Medicare Advantage for PCI in 100 non-federal acute care hospitals (including 48 that provide PCI) and 40 physician organizations.

Enrollment criteria = at least 1 cardiac rehabilitation claim within 90 days after hospital discharge





CR use among patients with HF in Henry Ford Health Hospitals 1/1/19 – 12/31/2021



Data source = Michigan Value Collaborative Claims data base of Medicare FFS, BCBSM PPO, BCN, and Medicare Advantage for non-federal acute care hospitals and physician organizations. Enrollment criteria = at least 1 cardiac rehabilitation claim within 90 days after hospital discharge

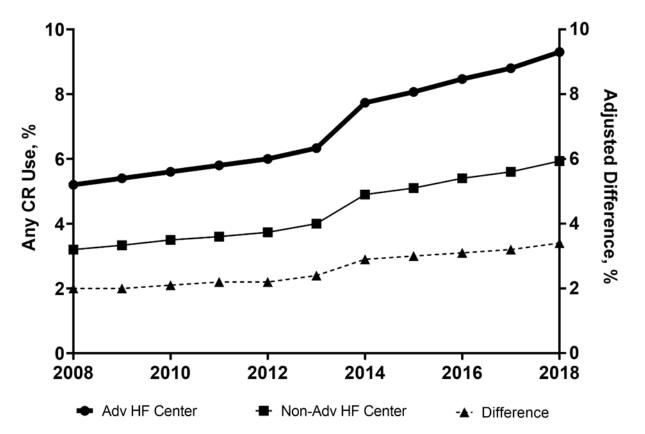


✓ Find and connect with your nearby HF specialist(s)/clinic



✓ Connect with your advanced HF specialist(s)/clinic

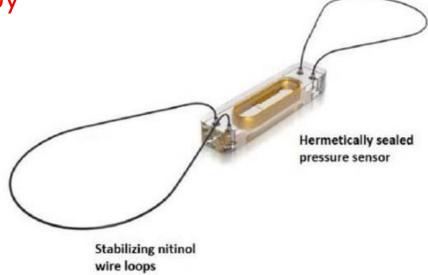
Comparison of CR use among Medicare beneficiaries cared for at advanced HF centers (n=76,174) to nonadvanced HF centers (n=351,822)



Data source = Michigan Value Collaborative Claims data base of Medicare FFS, BCBSM PPO, BCN, and Medicare Advantage for PCI in 100 non-federal acute care hospitals (including 48 that provide PCI) and 40 physician organizations. Enrollment criteria = at least 1 cardiac rehabilitation claim within 90 days after hospital discharge, Thompson MP et al, JCRP; in second review, 2023



 Find and connect with a nearby Cardiomems clinic:





Leverage the 6 wk wait period to the patient's advantage

- Why 6 wk wait period per Medicare
- Medicare does not say don't contact the patient
- Opportunity for disease management



- ✓ Establish/maintain a development fund to support CR care for HF
  - Use for HFrEF and HFpEF
- ✓ Run weekly/monthly searches in EHR
  - Do it with data





✓ EMR-driven automatic referral (w/opt-out mechanism)

- ✓ Establish inpatient CR liaison process for CR
  - In larger hospitals, this includes your general medicine floors too
- Overtly-stated provider endorsement
  - Have physician champion present to medicine/cardiology staff
- ✓ Don't forget HFpEF = early-onset fatigue, ADL limitations, DOE ... exercise CR is the proven strategy

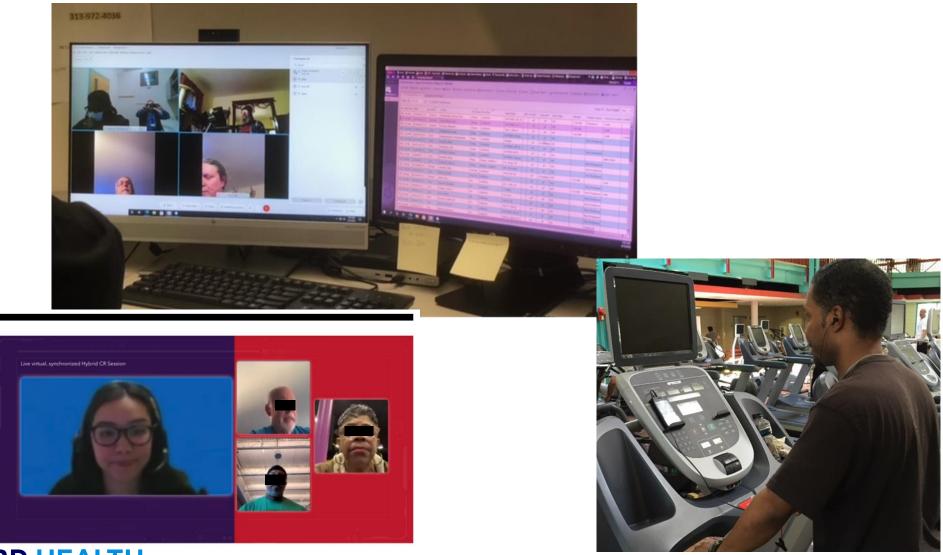


What is the status of Medicare, <u>HFpEF</u> and cardiac rehabilitation as a covered benefit?

- Draft request for NCD reconsideration submitted: early spring 2023
  –AACVPR, HFSA, AHA, ACC, AAHFN, ABC
- F/up meeting with CAG at CMS on: July 7, 2023
- Re-convene later this fall

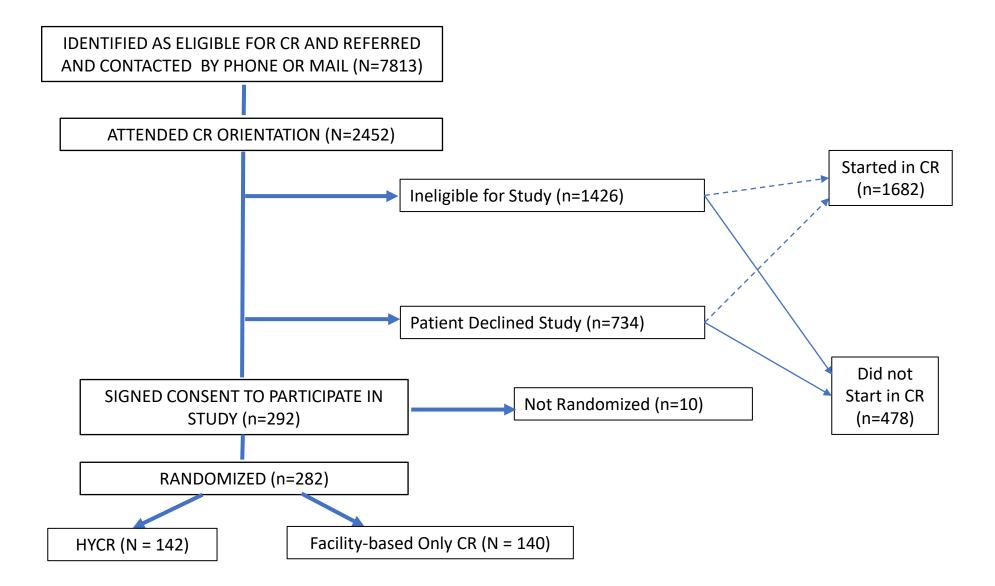


Non-traditional models needed to fill in the many gaps ... consider Hybrid CR via Telehealth





CONSORT Diagram for iATTEND Trial (March 2019 – December 2022)



Selected Subject Characteristics at Baseline for IATTEND Trial (Enrollment ended December 31, 2022, n = 282)

Age (yr)	59.1 <u>+</u> 11.9	CR Qualifying Events	
( <u>&gt;</u> 65 yr, n=95)	71.0 <u>+</u> 5.3	STEMI/NSTEMI	35%
		HF	23%
Women	32%	CABG	12%
		PCI only	14%
Black	53%	Other	16%
<u>&lt;</u> HS degree/GED	18%	Part- or Full-time Employed	59%
Married	62%	Annual Income < \$50,000	34%
		Peak $VO_2$ (mL/kg/min, n=267)	18.2 <u>+</u> 5.2



Two common barriers among CR staff relative to engaging in process/quality improvement

- Too busy
- Not empowered

# Start small, stay focused

