



# Pumping Up Heart Failure Prevention and Management in the Era of Technology

Chair: Ashish Parikh, Summit Health/VillageMD

# Pumping Up Heart Failure: Prevention and Management

NAACOS Spring Conference

April 23, 2026



# Pumping Up Heart Failure Prevention and Management

## Learning Objectives

- Explore high-value strategies for managing heart failure at the population level
- Evaluate how to design, implement, and sustain initiatives to address key chronic conditions through your VBC network
- Discuss the impact of early interventions in the new ACCESS model on HF prevention and outcomes



# The People Who Actually Know What They're Talking About



**Laura Balsamini,  
PharmD, BCPS**

- Chief Pharmacy Officer, Summit Health



**Fred Taweel, MD**

- Chief Medical Officer, Brilliant Care
- Former CMO, Privia Medical Group – Mid-Atlantic
- Practicing PCP in Reston, VA



**Gregg Kimmer**

- Chief Executive Officer, Circadian Health

# The Heart Failure Epidemic (U.S. Data for 2025)

- **Prevalence:** Approximately **6.7 million** adults (20+) currently live with HF; this is projected to reach **8.7 million** by 2030.
- **Lifetime Risk:** The lifetime risk of developing HF has increased to **24%**, or nearly 1 in 4 individuals.
- **Mortality:** HF was a contributing cause in **425,147 deaths** (45% of all cardiovascular deaths) in 2022.
- **Morbidity & Comorbidities:** Over 50% of the U.S. population is at risk (Stage A) or has pre-HF (Stage B). The proportion of patients with  $\geq 3$  cardiovascular-kidney-metabolic (CKM) conditions has more than doubled recently.
- **Health Equity:** Black, American Indian, and Alaska Native individuals face the highest age-adjusted HF mortality and prevalence rates.

# Healthcare Utilization & Economic Burden

- **U.S. Healthcare Spend:** Direct medical costs for HF are estimated at **\$32 billion** annually, with some projections reaching as high as **\$227 billion** when all related care is included. Total costs could hit **\$858 billion** by 2050.
- **Utilization Rates:**
  - **ED Visits:** ~17 per 1,000 population for circulatory diseases; Medicare beneficiaries have significantly higher rates at **44 per 1,000**.
  - **Hospital Admissions:** Approximately **4.9 per 1,000** US adults.
  - **Readmissions:** The national **30-day readmission rate** is ~**19.7%**. For HFpEF, readmissions have risen from 17.4% to 19.9%.
- **Avoidable Costs:** Roughly **88.7%** of HF ED visits result in inpatient admissions, of which up to **96%** may be deemed "potentially avoidable".
- **Cost per Admission:** The average HF inpatient hospital stay costs approximately **\$21,560**

# “Pumping up Heart Failure Prevention and Management in the Era of Technology”



## Fred Taweel, MD

- Chief Medical Officer, Brilliant Care
- Former CMO, Privia Medical Group – Mid-Atlantic
- Practicing Primary Care Physician in Reston, VA

# Virtual Care Delivery & Pop Health Execution

ACO's, Health Systems, Provider Groups

18 States Plus D.C.

Primary Care, Internal Medicine, Family Medicine

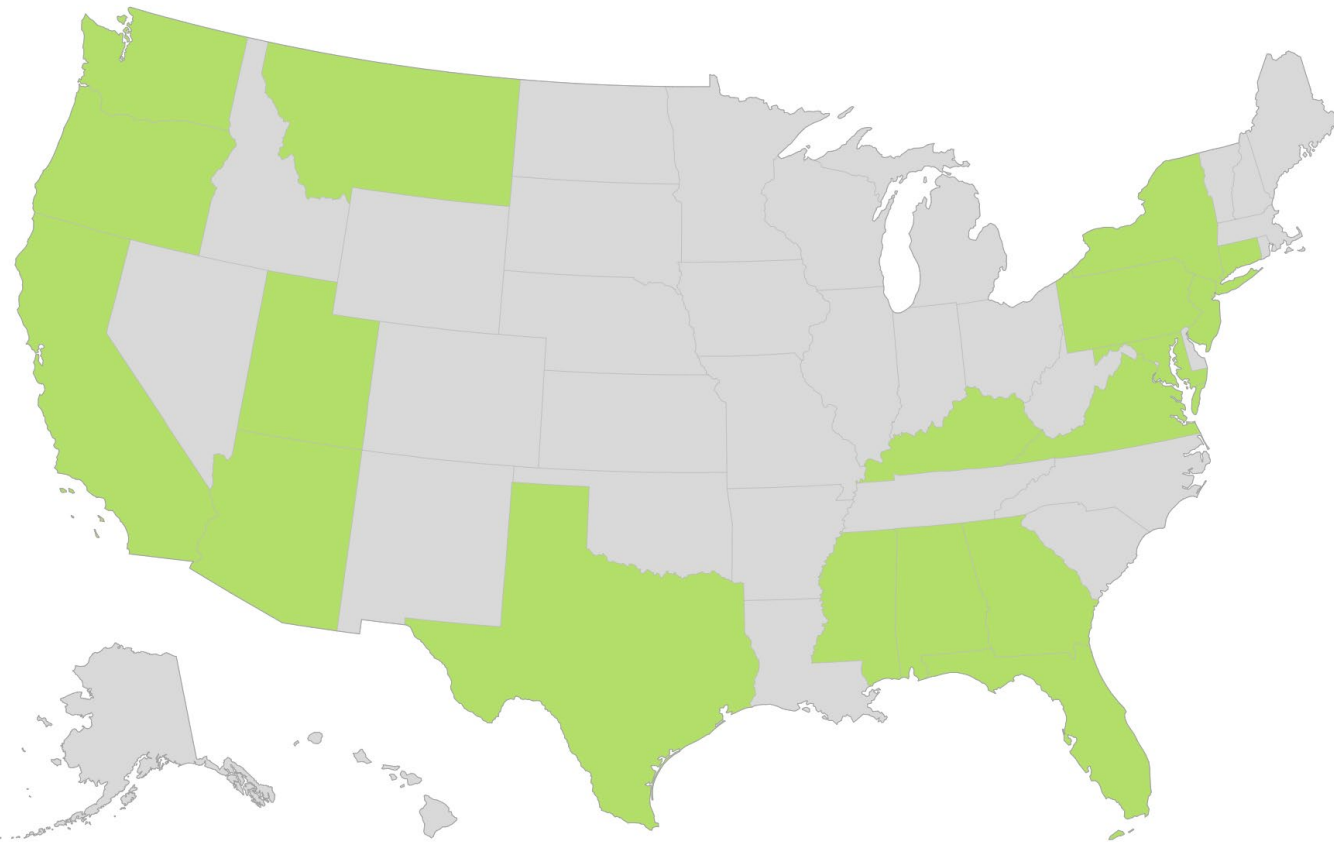
Cardiology, Nephrology, Pulmonology, Geriatrics

15K+ Patients

9.4 Star Satisfaction Score

- Reduced Provider **Burden**
- Increased Patient **Compliance**
- **Improved Health Outcomes**

National Presence



# Brilliant Care Solutions

Nurse Access | Patient Engagement | Clinical Outcomes



## Post-Discharge Care

- Nurse-led Transitions of Care
  - IP, ED, SNF Discharges
- Discharge Med Reconciliation

Reduce  
Re-admissions



## Chronic Disease Management

- Nurse-led Remote Monitoring
  - HTN, DM, CHF, CKD, COPD
- HEDIS/ eCOM/ MA 5-Star Quality

Controlled, compliant  
patients



## Inbox Relief

- Clinical Documents
  - Labs & Imaging
- Orders and Prescriptions

Clinicians spend time  
on care, not clicks



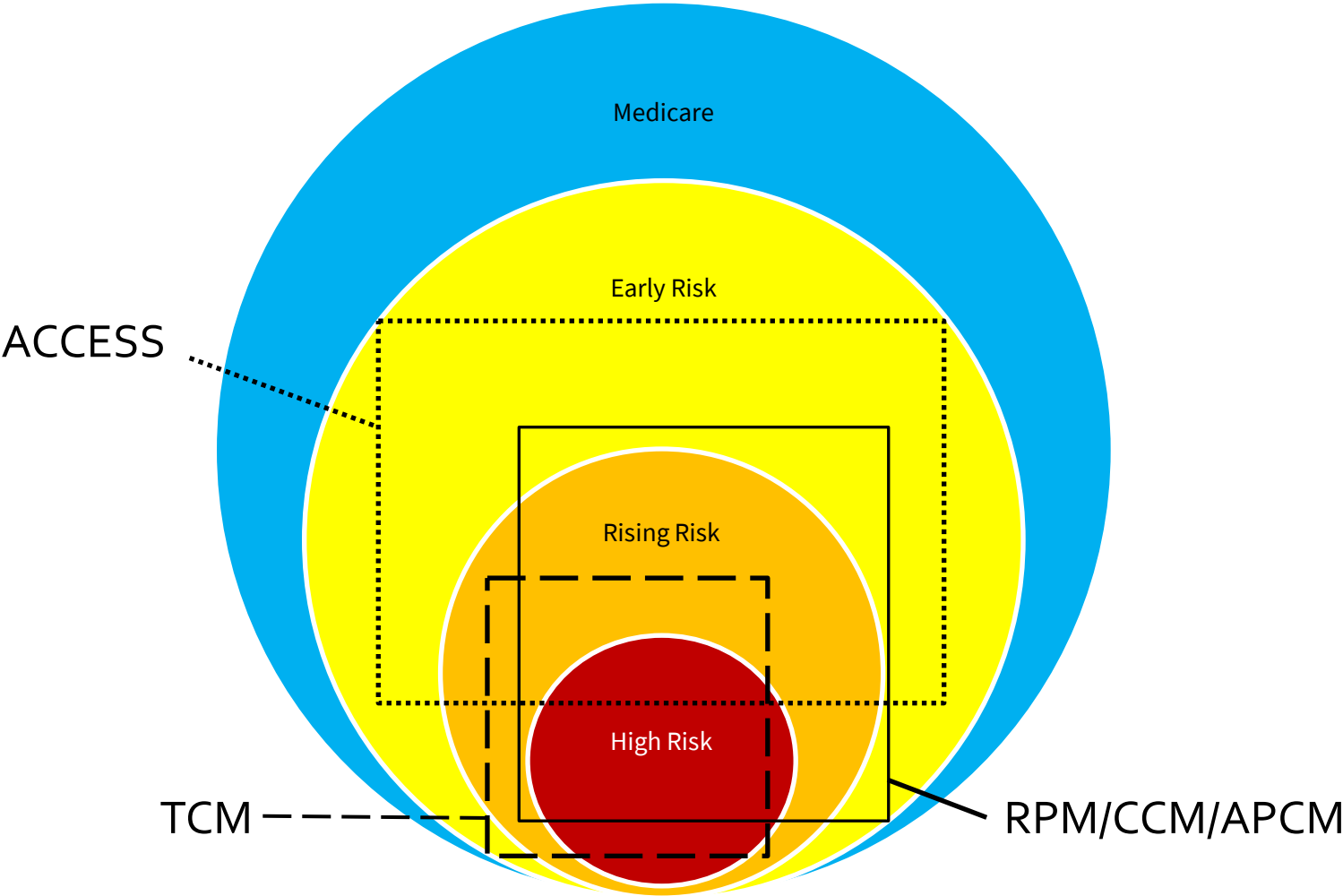
## Other Exploratory Services

- CMS ACCESS Model
- Medication Adherence
  - APCM/CCM

Address Market Pain  
Points

# Pop Health: Perform to Contracts & Improve Total Cost of Care

Appropriate-targeting for patients based on risk profile



# Chronic Disease Management / Nurse Led RPM

## Dedicated Nurse Access 365 days

- ✓ Works alongside existing care teams
- ✓ Extension of Provider/ care teams
- ✓ 1:1 Nurse to Patient Relationship



## Enhanced Care Coordination + Medication Adherence

- ✓ BP Control
- ✓ A1C Control
- ✓ Medication Adherence
- ✓ Kidney Health evaluation

## Timely Triage + Advanced Remote Technology



# Brilliant Care RPM Clinical Outcomes

BP to goal  
<140/90

## Hypertension



Avg SBP **155** → **134**  
**-34 mm Hg** high-risk  
**-21mm Hg** overall

A1C to goal  
< 9

## Diabetes



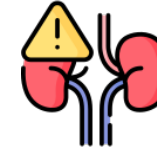
**-2.56** A1C reduction  
A1C **10.71** → **8.14**

Patient education, regular monitoring,  
medication management and integrated care

## CHF



## CKD



## COPD



**Reduce frequency of exacerbation & delay progression**

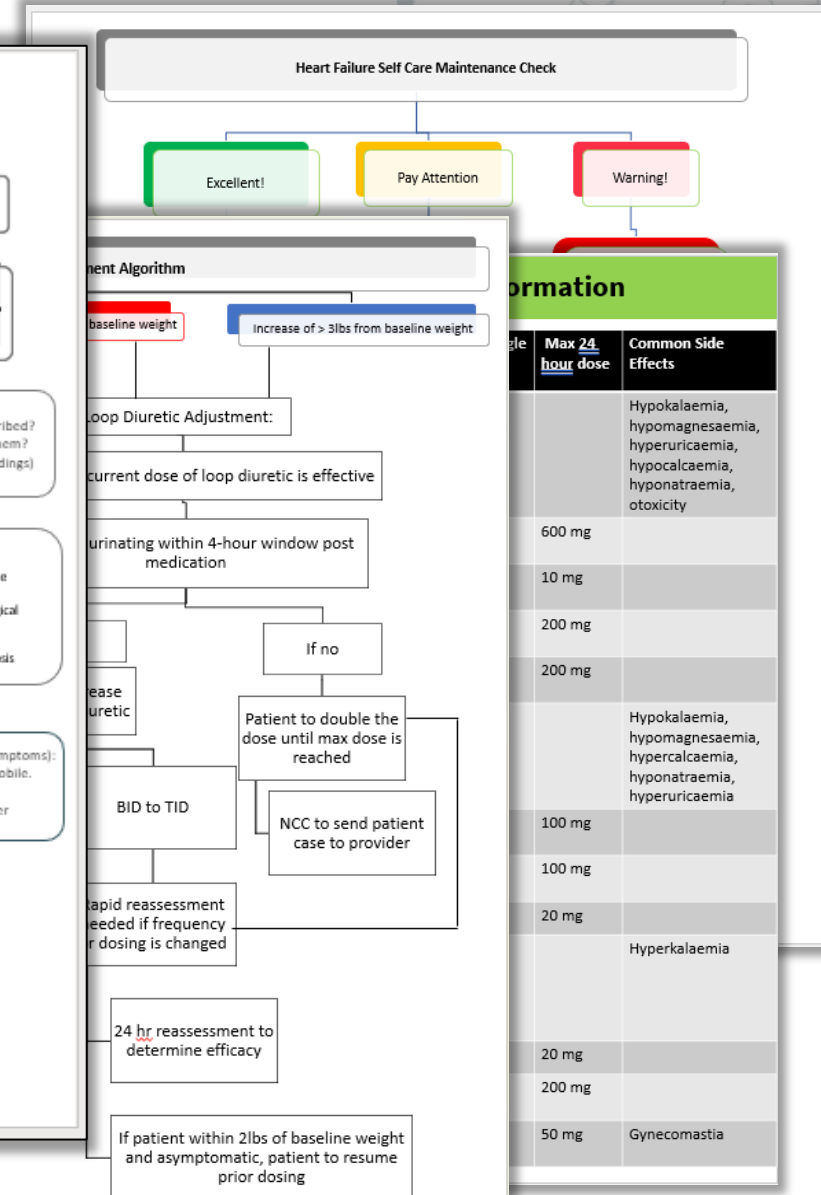
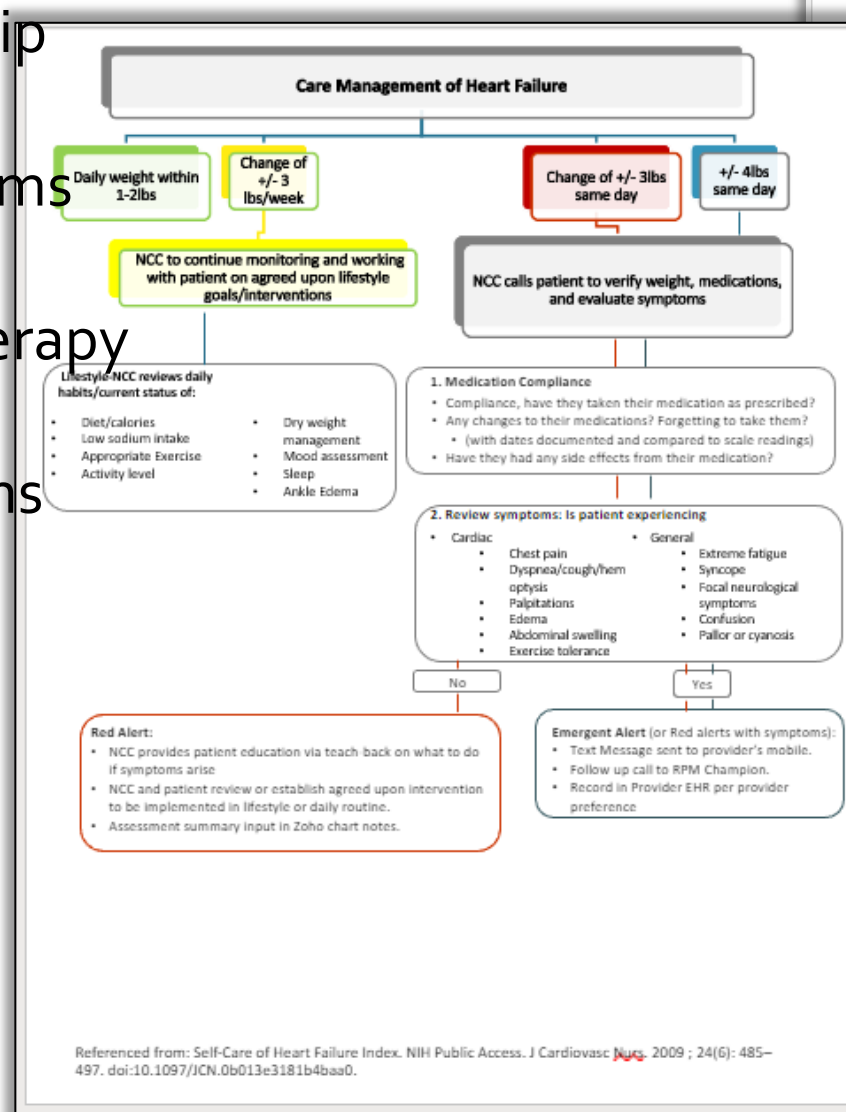
**JAMA Study:** 10mmHg reduction in systolic blood pressure = 29% reduction in CVD & all-cause mortality<sup>5</sup>

## Extrapolating this to our outcomes:

- 21 mmHg SBP reduction across the full group = **42% reduction in CVD and all-cause mortality**
- 34 mmHg SBP reduction in highest risk group = **>50% reduction in CVD and all-cause mortality**

# CHF Care Management Approach

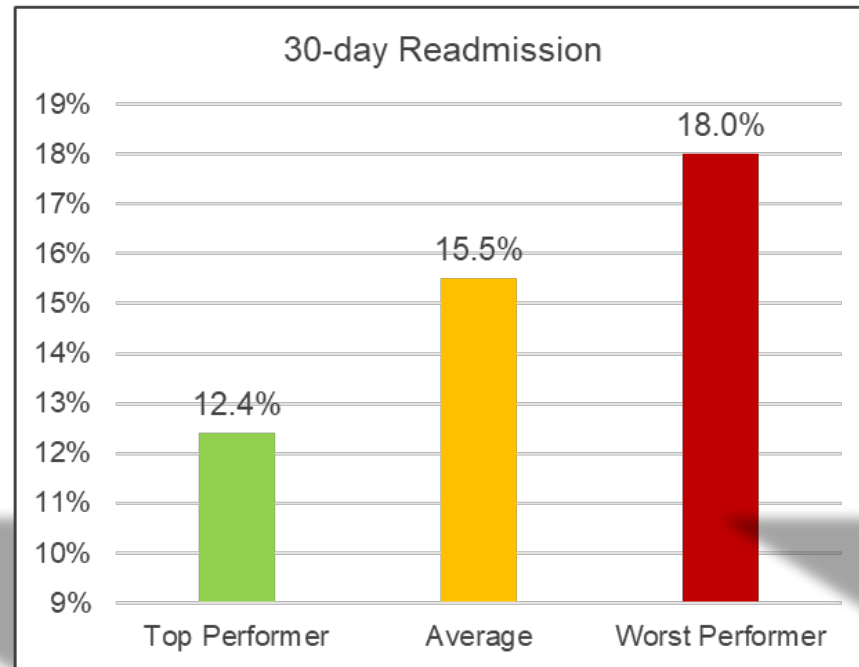
- 1:1 Nurse to Patient Relationship
- Extension of Provider/ care teams
- Guideline Directed Medical Therapy
- Frequent & Deliberate Check-ins
- Daily Weight Checks
- Diuretic Adjustment Algorithm
- Patient Education



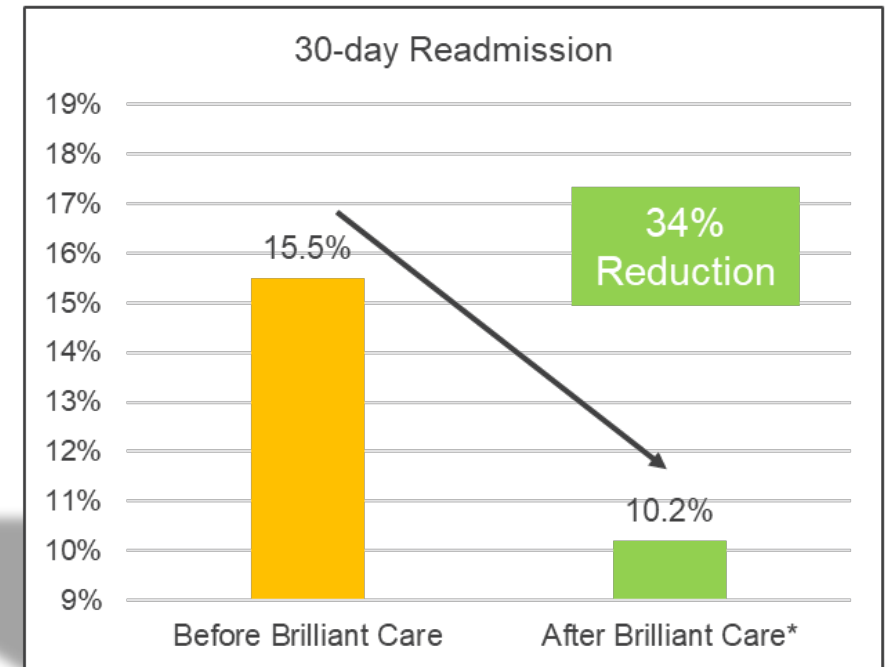
# Nurse-Led Transitional Care Management Program

- Timely Nurse outreach and scheduling
- Compassionate and educational patient conversations
- Discharge medication reconciliation
- Concise, summarized documentation
- Patient follow ups to reduce readmissions

2023 MSSP Results



With Brilliant Care



# Case Study: C. Strack

CHF Remote Monitoring Patient

ED visits and hospitalizations before Brilliant Care RPM: **7**

ED visits and hospitalizations during Brilliant Care RPM: **0**

Brilliant Care Nurse:

- Used guideline directed medical therapy (GDMT),
- Adjusted loop diuretic as needed,
- Educated the patient on the importance of following a low sodium diet, often sharing recipes and discussing which foods have lower sodium and the importance of reducing fluid intake.

Patient:

- Has maintained his weight at or below his base weight,
- Reported feeling more supported and knowledgeable about his condition, his diet, and what he needs to do to maintain his weight.





# ACCESS Model

# Four Clinical Tracks: Targeted Chronic Disease Management

Participants manage all qualifying conditions within the enrolled track for coordinated care.

Track	Track Description	Track Focus	Track Goal / Metric
eCKM: Early Cardio-Kidney-Metabolic	Hypertension, or two or more of: dyslipidemia, obesity/overweight, or prediabetes	Targets early-stage risk factor management before progression to advanced disease	<ul style="list-style-type: none"><li>• BP Control</li><li>• LDL levels</li><li>• Weight Mgmt</li><li>• HbA1c Control</li></ul>
CKM: Cardio-Kidney-Metabolic	Diabetes, chronic kidney disease (Stage 3a/3b), or atherosclerotic cardiovascular disease	Focuses on preventing complications and reducing acute care utilization	<ul style="list-style-type: none"><li>• Estimated glomerular filtration rate (eGFR) and</li><li>• urine albumin-to-creatinine ratio (uACR)</li></ul>
MSK: Musculoskeletal	Chronic musculoskeletal pain lasting >3MOs, functional limitations, movement disorders	Emphasizing conservative treatments that reduce opioid use and unnecessary surgical procedures	<ul style="list-style-type: none"><li>• Pain intensity scores</li><li>• Functional interference</li><li>• Physical functions (PROMs)</li><li>• Activity limitations</li></ul>
BH: Behavioral Health	Depression, anxiety disorders, or related behavioral health needs	Digital therapeutics and remote counseling to address gaps in mental health access	<ul style="list-style-type: none"><li>• PHQ-9 (depression)</li><li>• GAD-7 (anxiety)</li><li>• WHODAS (disability)</li><li>• Functional improvement</li></ul>

# ACCESS eCKM & CKM Target Performance Measures

eCKM: Early Cardio-Kidney-Metabolic		
Measure	Control Target	Minimum Improvement Target
Systolic BP	<130 mm Hg	≥15 mm Hg reduction
BMI / Weight	BMI <30 kg/m <sup>2</sup> AND no more than 5% weight gain from baseline	5% weight reduction
HbA1c	<6.5%	N/A
LDL-C	<100 mg/dL	30 mg/dL reduction

CKM: Cardio-Kidney-Metabolic		
Systolic BP	<130 mmHg	≥15 mmHg reduction
BMI / Weight	BMI <30 kg/m <sup>2</sup> AND no more than 5% weight gain	5% weight reduction
HbA1c	<7.5% (diabetes only)	1% reduction (diabetes only)
LDL-C	<100 mg/dL or <70 mg/dL for ASCVD	≥30 mg/dL reduction
eGFR	N/A	N/A
uACR	N/A	N/A

# “RPM-lite w/Nurse Care Oversight”

Remote Patient Monitoring simplified – pairing a connected medical device with tech platforms to capture real-time health data outside clinical settings and help patients manage hypertension, diabetes, cholesterol, weight, and kidney health



## FDA 510k Notified Blood Pressure Monitor

Continuous Data with real-time transmission for early intervention



## Personal Nurse Avatar

Personalized outreach and communication between appointments



## 24/7 Text Access

Good for patients needing more frequent monitoring



## Personalized Outreach

Nurse check-ins as needed



# Brilliant Care's ACCESS Model Approach → Early Return Protocol

When a patient shows signs of non-compliance or deteriorating adherence, flag them for an expedited return visit – putting the PCP back in control before a preventable complication occurs.

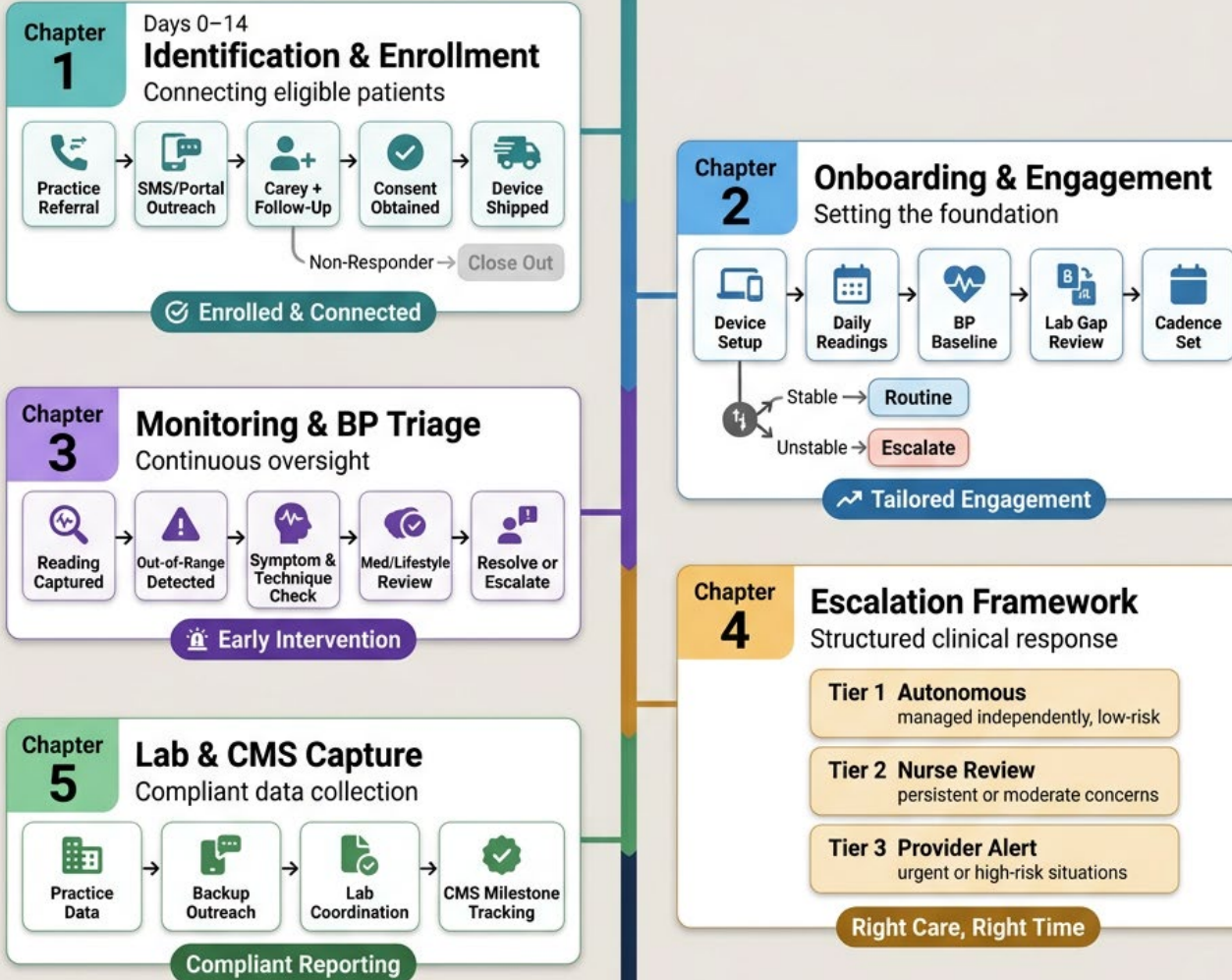


## Why This Matters

- Gaps in adherence are among the leading drivers of avoidable hospitalizations and disease progression.
- Continuous between-visit engagement bridges the critical window between appointments.
- Chronic disease outcomes improve significantly when patients feel supported between visits.
- Create a bridge between your clinical intent and your patient's daily behavior – a trusted, consistent presence that amplifies the impact of your care.

# Brilliant Care ACCESS Program

## Patient Journey Overview



**Program Outcomes**  
Improved Blood Pressure Control  
Reduced Clinician Burden  
Consistent Patient Engagement  
Value-Based Care Performance

# ACCESS Value for ACOs, Systems and Provider Groups



## Reduces Leakage

Prevents unmanaged vendor relationships that generate costs outside ACO visibility and control



## Aligns Quality Goals

Vendor outcomes support ACO quality measures, utilization management, and cost performance



## Improve Keepage

Clinical triggers that generate primary care appointments and reinforces system loyalty



## Maintains Attribution

Reinforces PCP as care “quarterback”



## Controls Costs

Intercepts unnecessary ED/urgent care and drives in-network referrals to help control TCoC

**Takeaway:** ACCESS should be viewed as a **scalable way to extend capacity and accountability to populations that exceed internal resources**—a mechanism to **control utilization, attribution, and total cost**.

# Virtual Heart Failure Treatment

How Circadian Health Helps ACOs, Payors and At-Risk Providers Reduce Hospitalizations & Costs

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*NAACOS Spring 2026*

*Gregg Kimmer*

*Chief Executive Officer*

*Circadian Health, Inc*

[circadiancare.com](https://circadiancare.com)



## SPEAKER BIO

Highly adaptable Healthcare Executive and 2x CEO with 15+ years of experience driving strategic growth in managed care, Medicare Advantage, and Value-Based Care. Gregg has held prominent leadership roles across Fortune 5 payers, PE-backed health plans, and high-growth startups – with a proven track record of scaling health plans, implementing risk-based contracts, and managing full P&L for multi-state markets.

## CAREER HIGHLIGHTS

### Circadian Health



Chief Executive Officer

2025–Present

### ATRIO Health Plans



Chief Executive Officer

2022–2025

### CVS Health / Aetna



Chief Medicare Officer

2017–2021

### Humana



Divisional CFO – Medicare Adv.

2011–2017

### Duly Health & Care



SVP, Medicare Advantage



# Gregg Kimmer

Chief Executive Officer

*Circadian Health*

• Fortune 5 Payer Experience

• 2x Health Plan CEO

• Medicare Advantage Expert

# About Circadian Health

Virtual-first specialty care closing the gap between primary care and specialty intervention.

**Expert Care Without The Wait**

**Your chronic condition doesn't sleep. Neither do we.**

Standard Referral

**3 weeks – 6 mths**

⚡ CIRCADIAN FAST TRACK

**12 – 24 Hours**

✓ No referral needed

✓ Board Certified

✓ 50-State Coverage

## CORE SPECIALTIES



**Cardiology**



**Endocrinology**



**Pulmonology**



**Sleep Medicine**



Doctors helping patients for more than 25 years



# How It Works

We partner with you to deliver compassionate, specialized support for patients living with chronic conditions.



## You Identify Patients

You provide a list of patients who would benefit most from dedicated specialty support.



## We Contact Them

Our caring team reaches out warmly to build trust and introduce our program.



## We Do a Clinical Intake

We conduct a thorough, compassionate intake to understand unique needs.



## We Provide Specialty Chronic Care Management

Board-certified specialists deliver coordinated, high-quality management.



## We Empower and Educate The Patient

We equip patients with tools and confidence to actively manage their health.



## The Continuous Care Loop



### Monitor

Vitals tracked daily



### Alerts

Nurses notified instantly



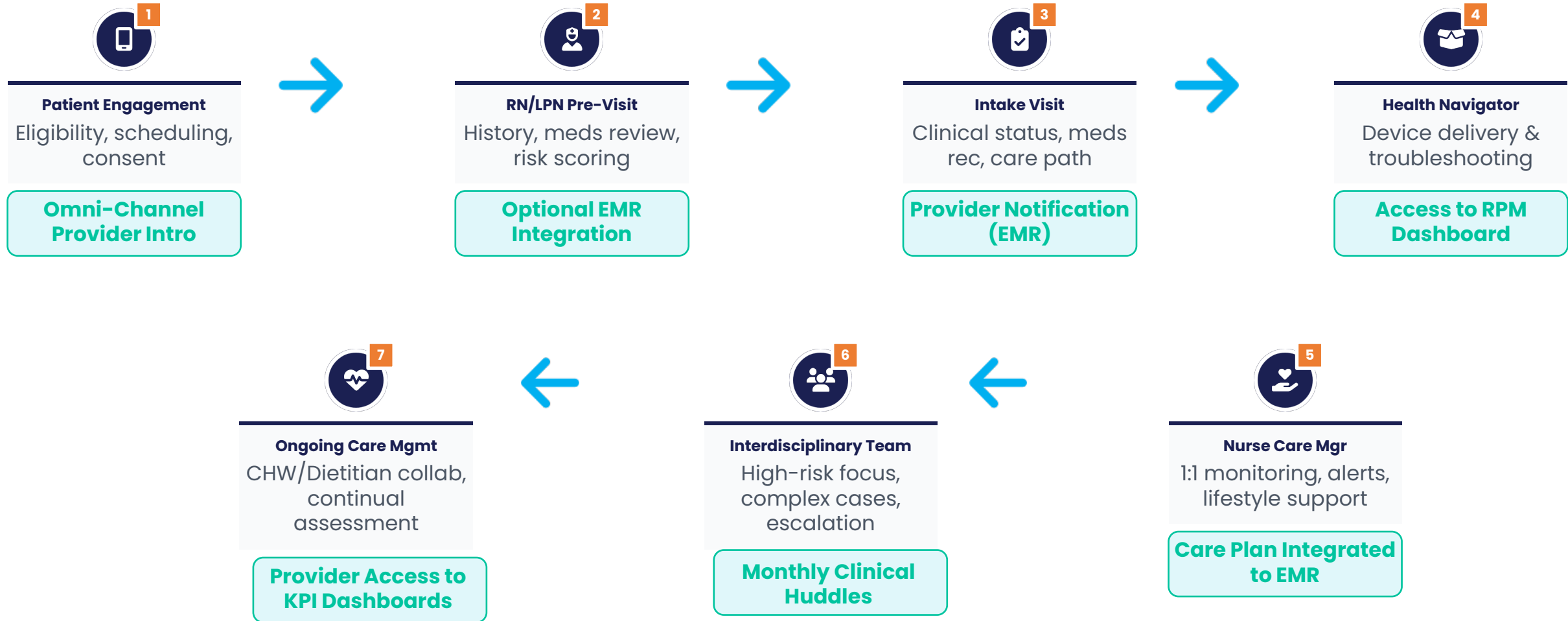
### Adjust

Meds optimized fast



### Report

Sent to your PCP



## Key Takeaways



**Seamless EMR Integration:** Providers receive automated notifications, access RPM dashboards, and review care plans within their existing workflows. **Monthly Clinical Huddles:** Structured peer-to-peer collaboration ensures continuity and shared decision-making.



Remote patient monitoring devices and continuous glucose sensors are tracked through delivery to the patient's home, ensuring seamless setup and data integration.

Cellular-Connected Ecosystem



## Mobile Cardiac Telemetry

Easy to use, wearable for 14-30 days. Best-in-class, two-channel ECG patch.



## Home Sleep Testing

Convenient, cost-effective FDA-approved diagnostic mailed directly to the home.



## Blood Pressure Monitor

Superior accuracy and affordability to support RPM for hypertension management.



## Pulse Oximeter

Cellular-connected measurement of oxygen saturation for remote therapeutic monitoring (RTM).



## Dexcom G7®

Provides cellular-connected continuous glucose monitoring for real-time insights.



## Libre 3®

Delivers cellular-connected, real-time continuous glucose monitoring data.



## Blood Glucose Meter

FDA-cleared, reliable monitor delivers immediate results directly to the care team.



## Weight Scale

Patient-friendly design offering high-quality performance for weight management RPM.



### Key Takeaways

**At-Home, Cellular-Connected Diagnostics:** Our comprehensive device suite powers continuous oversight and rapid intervention without burdening the patient with manual data entry, ensuring **high adherence and data integrity**.

**6:1 ROI**  
Validated across 2,736 members

# Congestive Heart Failure

National Client – Physician Group Partner Analysis  
Service Range: May 2024 – Sep 2025

**Aggregated Impact: Utilization & Cost Savings**

UTILIZATION CATEGORY	UNIT COST	EVENTS AVOIDED	EST COST SAVINGS
Inpatient Admissions	\$17,000	856	\$14,553,972
Readmissions	\$20,000	371	\$7,412,400
ER Visits	\$3,000	1,223	\$3,669,516
<b>GRAND TOTAL</b>	-	2,450	<b>\$25,635,888</b>

**Region 1** 2,124 Members

- IP Admits / K ↓ 45%
- Readmits / K ↓ 59%
- ER Visits / K ↓ 51%

**Region 2** 612 Members

- IP Admits / K ↓ 43%
- Readmits / K ↓ 55%
- ER Visits / K ↓ 44%

**Executive Summary**

Scaled, repeatable utilization reduction with over \$25M in total savings and validated ROI across diverse markets.

# Comorbid Prevalence

Why these care pathways co-exist — and why Circadian treats them together

~25% Medicare population: CHF

~25% Medicare population: COPD

~35% Medicare population: Diabetes

~25% Medicare population: OSA

## CHF

*Congestive Heart Failure*

If a patient has CHF, probability of also having:

### COPD

20–33%

*ScienceDirect*

### Diabetes

25–45%

*Diabetes & Metabolism J.*

### OSA

20–60%

*NIH PMC*

## COPD

*Chronic Obstructive Pulmonary Disease*

If a patient has COPD, probability of also having:

### CHF

7–42%

*MDPI*

### Diabetes

15–30%

*NIH PMC*

### OSA

10–66%

*Egyptian J. of Bronchology*

## Diabetes

*Type 2 Diabetes Mellitus*

If a patient has Diabetes, probability of also having:

### CHF

12–22%

*Cardiovascular Diabetology*

### COPD

~10%

*NIH PMC*

### OSA

50–55%

*NIH PMC*

## OSA

*Obstructive Sleep Apnea*

If a patient has OSA, probability of also having:

### CHF

20–25%

*MDPI*

### COPD

11–41%

*Wiley*

### Diabetes

~30%

*J. of Clinical Sleep Medicine*

These conditions don't travel alone. Circadian's multi-specialty model treats the whole patient — not just one diagnosis.

# The Evidence: RPM Works for Heart Failure

## Remote patient monitoring in heart failure

Pooled analysis: daily RPM + clinician support reduced relative risk of HF hospitalization (RR 0.67) with a significant mortality benefit signal vs. usual care.

[Inkd.in/exBVEhJf](https://inkd.in/exBVEhJf)

**RR 0.67**

HF Hosp. Risk

↓ **Mortality**

signal vs. usual care

## RPM to reduce acute care use - A systematic review

Continuous cardiorespiratory RPM + same-day clinical response: significant ↓ in unplanned hospitalizations and ED visits vs. standard outpatient care.

[Inkd.in/ed-ex57Q](https://inkd.in/ed-ex57Q)

↓ **Unplanned**

Hospitalizations

↓ **ED Visits**

vs. standard care

## Impact of a Large-Scale RPM on Hospitalization Reduction

Nurse-monitored RPM with daily weight & BP review: 59% ↓ in hospital admissions and 52% ↓ in 30-day readmissions at 6-month follow-up.

[Inkd.in/e2W2D5\\_5](https://inkd.in/e2W2D5_5)

**59% ↓**

Hospital Admits

**52% ↓**

30-Day Readmits

## Clinical & Engagement Results of a Nationwide Remote Hypertension Program

Multi-center initiative: ↓ SBP 8–12 mmHg, ↓ A1c 0.5–1.2%, reduced hospital admissions, and lower total per-member costs at 12 months.

[Inkd.in/ewgtmDPV](https://inkd.in/ewgtmDPV)

↓ **8–12 mmHg**

Systolic BP

↓ **0.5–1.2%**

A1c reduction

## Advanced HF Remote Monitoring (Long-Term)

Long-term RPM program: >80% ↓ in HF-related hospitalizations and >90% ↓ in HF-related ED visits compared to pre-enrollment baseline.

[Inkd.in/e6ccVdUK](https://inkd.in/e6ccVdUK)

**>80% ↓**

HF Hospitalizations

**>90% ↓**

HF ED Visits

## ACO Bottom Line

Across every condition Circadian manages — HF, COPD, diabetes, hypertension — RPM with active clinical support consistently cuts hospitalizations, ED visits, and readmissions. The evidence base is deep and recent.

# Identifying High-Risk Members

## Clinical Criteria



Diagnosis of Heart Failure (Stage C, D) or NYHA III, IV



Non-adherence to Guideline Directed Medical Therapy (GDMT)



1+ Recent ED Visit or Hospitalization



1 Urgent Office Visit for decompensated HF in past 6 months

## ✓ Inclusion Criteria

**Diagnosis of HF (Stage C, D) or NYHA III, IV WITH at least one of:**

- 1 HF ED Visit or Hospitalization within the past 12 months
- 1 Urgent office visit in the past 6 months for decompensated HF
- Non-adherence to GDMT (from pharmacy data or primary referral)

## X Exclusion Criteria

- |                                 |                           |
|---------------------------------|---------------------------|
| X Hospice care                  | X Pregnancy               |
| X Post-Transplant / LVAD status | X Remodulin Therapy       |
| X Certain Blood Disorders       | X Pancreatic/Brain Cancer |

# The Importance of Heart Failure Guideline-Directed Medical Therapy (GDMT) and the Role of the Pharmacist

NAACOS Spring Conference  
April 23, 2026

Laura Balsamini, PharmD, BCPS  
Chief Pharmacy Officer



# Summit Health Overview



New Jersey | New York

**1,800+**  
providers

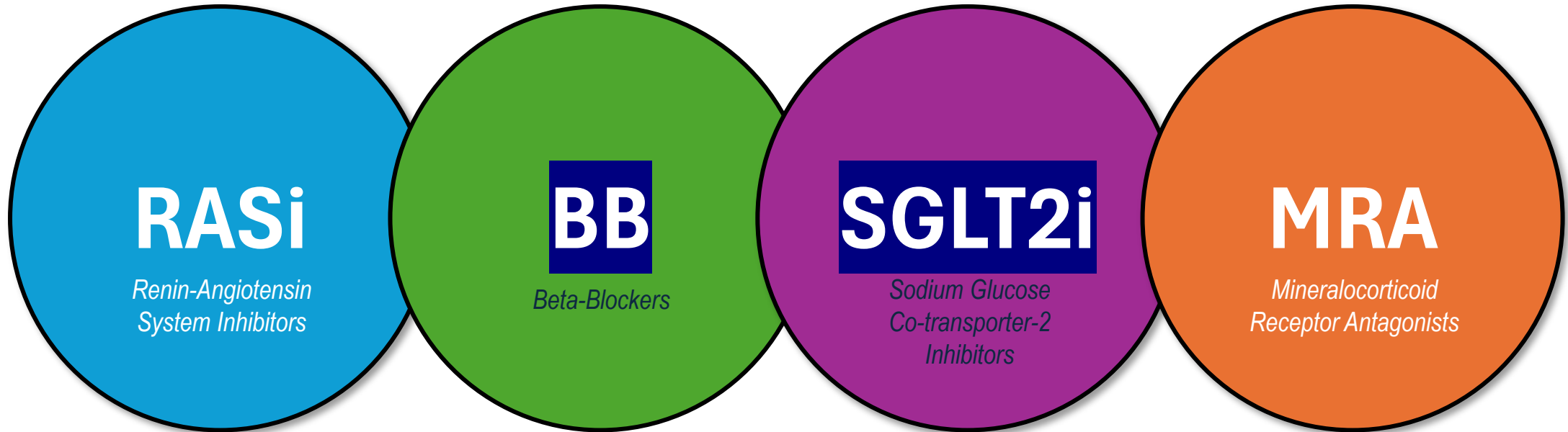
**2** Enhanced Track  
MSSPs

**80+**  
Specialties

**300K+** lives  
managed in LOBs

*Founded in 1919 to offer connected care  
across the continuum.*

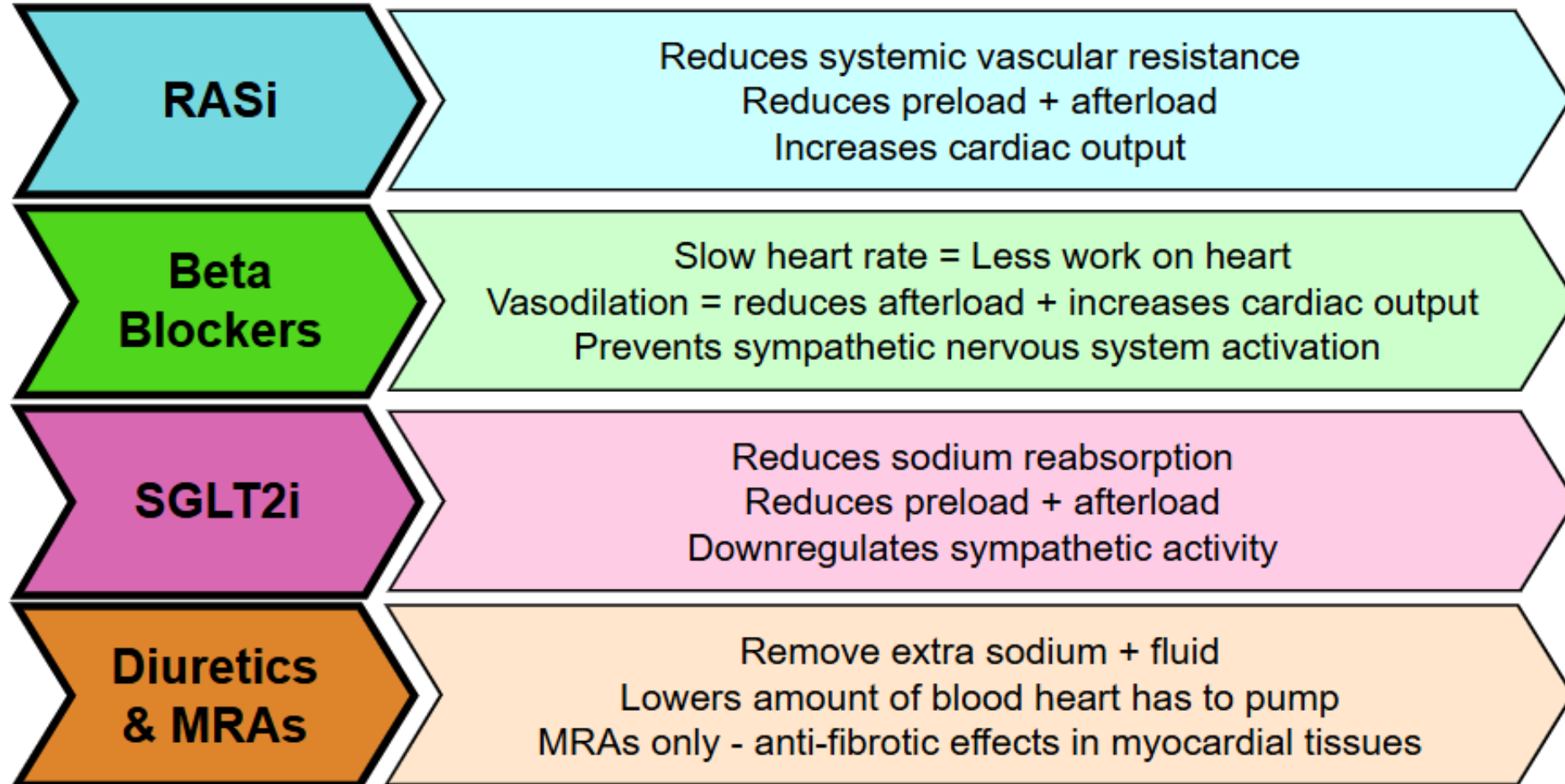
# Possible Agents of GDMT



- All proven benefits in reducing HF hospitalizations + morbidity/mortality for HFrEF
- Differing evidence for recommending in LVEF > 40% (HFmrEF or HFpEF)

Heidenreich PA, et al. *J Am Coll Cardiol*. 2022;79(17):e263-e421.

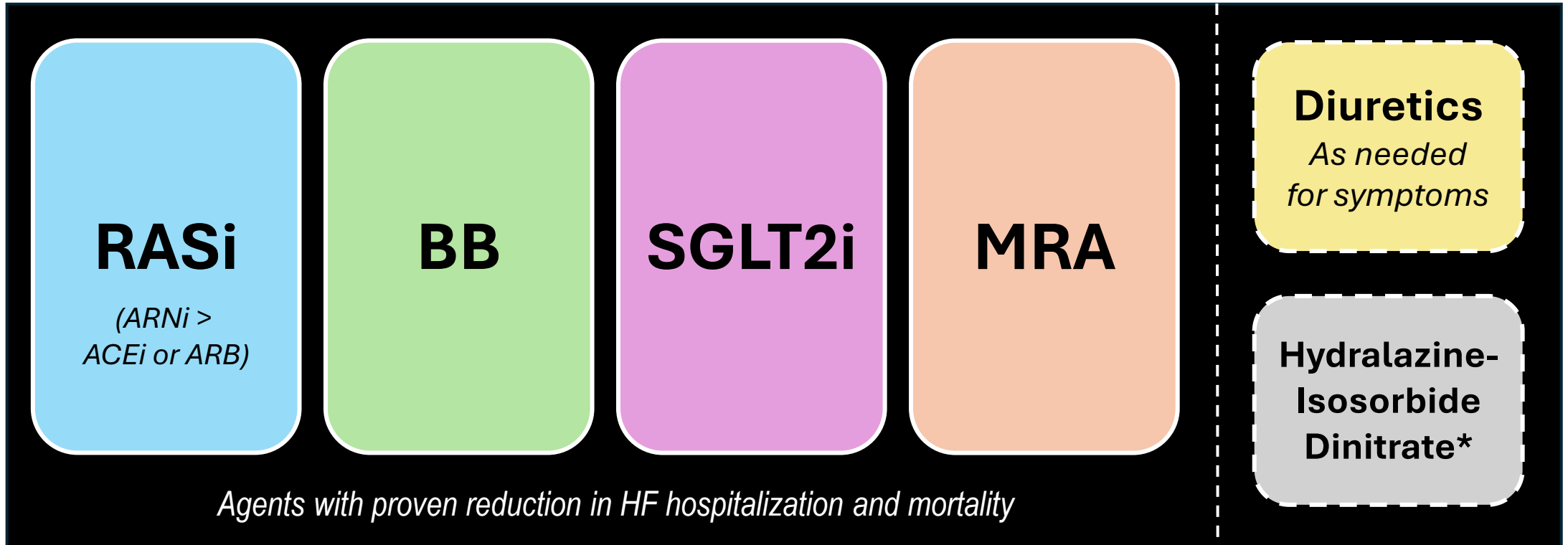
# Mechanism of GDMT for HF



Khalid A, et al. *Front Cardiovasc Med.* 2025;12:1643971.

# HFrEF - Pillars of GDMT

## Class 1A Recommendations

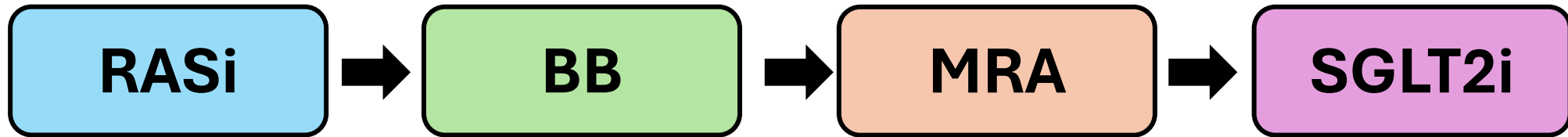


\*Only for African Americans with NYHA Class III-IV

Heidenreich PA, et al. *J Am Coll Cardiol.* 2022;79(17):e263-e421.

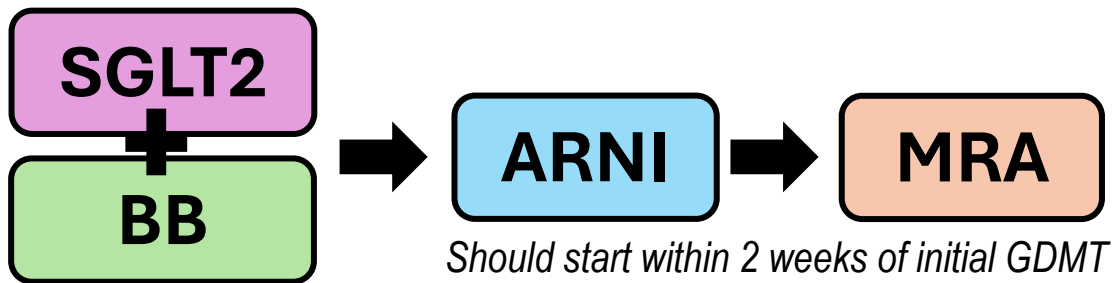
# HFrEF - Sequence of GDMT

**Traditional Sequence** - *based on order of clinical trials*

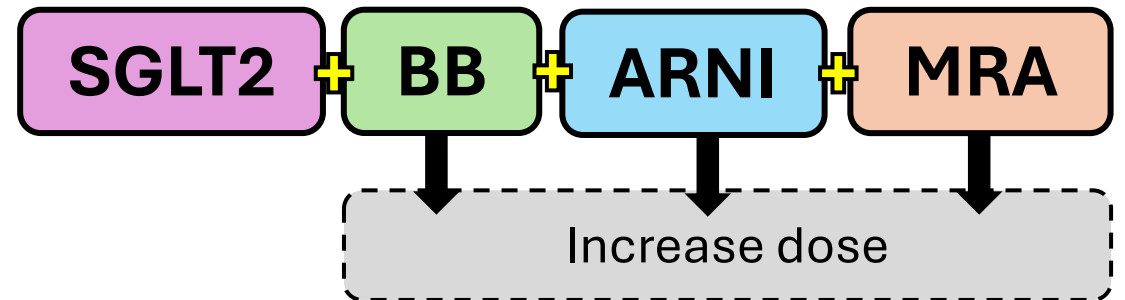


## Proposed Sequences

*Packer et al. & McMurray et al.*



*Greene et al.*



# Clinical Trials

# STRONG-HF Trial

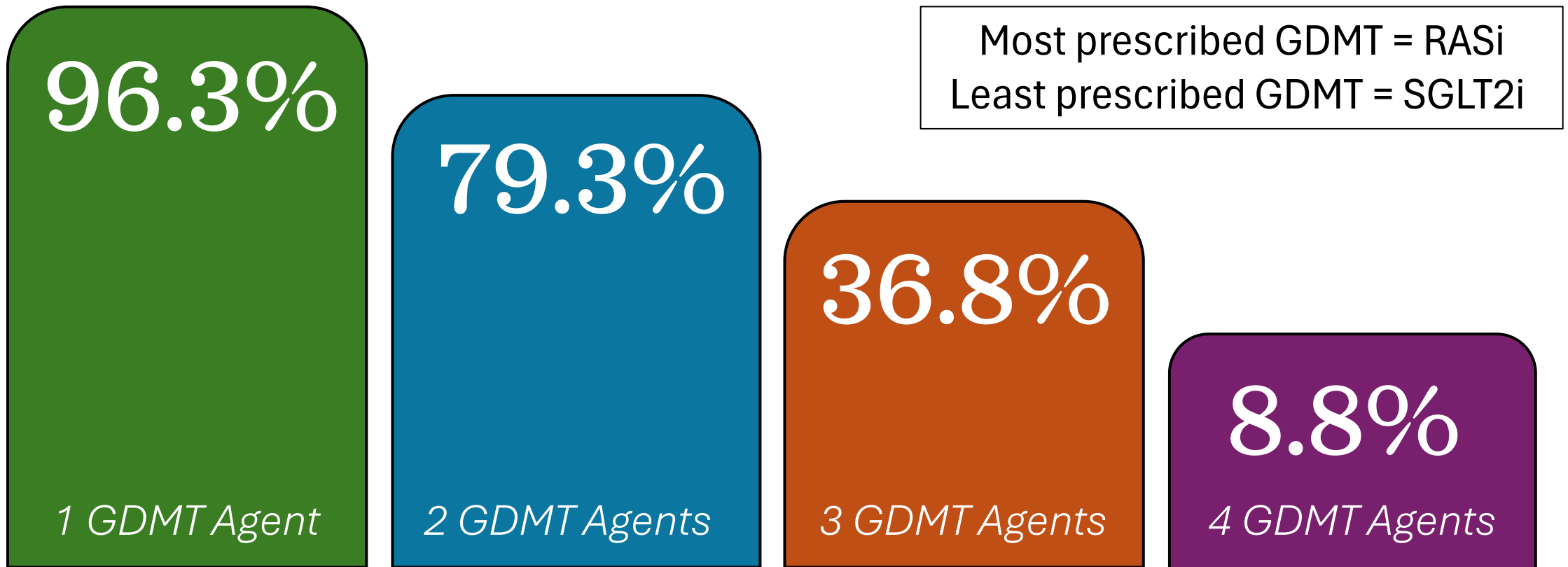
- Multinational, open-label, randomized, parallel group
- 1,078 Adults admitted for acute HF, not treated with full dose GDMT (BB + ACEi/ARB/ARNi + MRA)
- Randomized to High-intensity care vs. Standard care
  - High-intensity:
    - Initial dose adjustment: GDMT titrated to HALF-recommended doses within 2 days of discharge
    - Subsequent dose adjustment: GDMT titrated to 100% recommended doses within 2 weeks of discharge
  - Standard care: Per local practice
- Primary Endpoint: Readmission within 6 months or all-cause death

Primary Endpoint	High-intensity care group (n=542)	Usual care group (n=536)	Adjusted risk ratio (95% CI)	p value
All-cause death or heart failure readmission within 6 months	15.2%	23.3%	8.1 (2.9 to 12.3)	0.0021

**Take home message: Initiate GDMT ASAP, titrate to recommended doses within weeks, & maintain close follow-up**

# Real-World Utilization of GDMT

2024 retrospective study of 43,591 patients with HFrEF



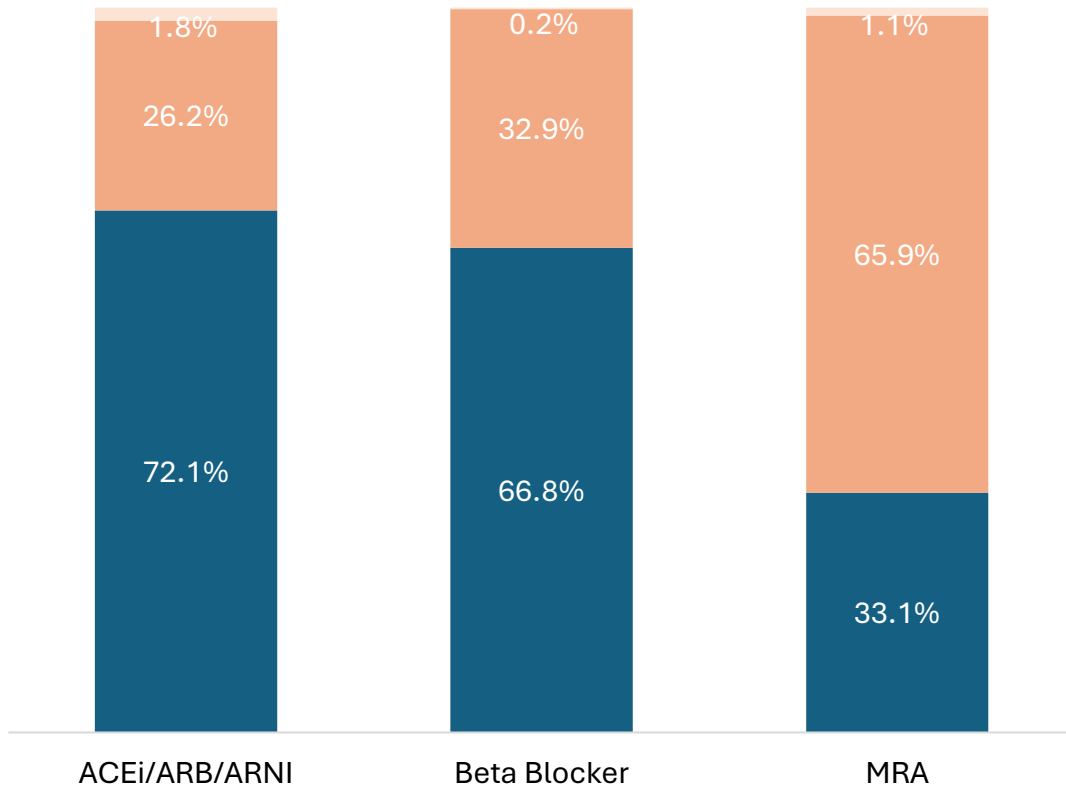
Mignone JL, et al. *Heart Rhythm* O2. 2024;5(3):168-173.

# CHAMP-HF Registry

- Prospective, observational, nonrandomized study
- 3,158 US adult outpatients with HFrEF taking  $\geq 1$  medication for HF
- Objectives: Characterize patterns associated with use, dose of HFrEF meds

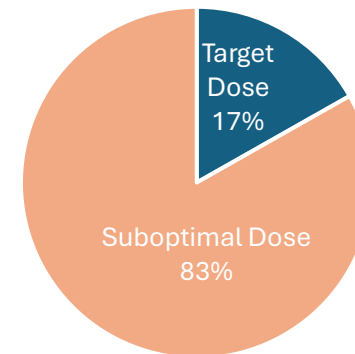
## Use of GDMT

- Treated
- Untreated, without contraindication
- With Contraindicated

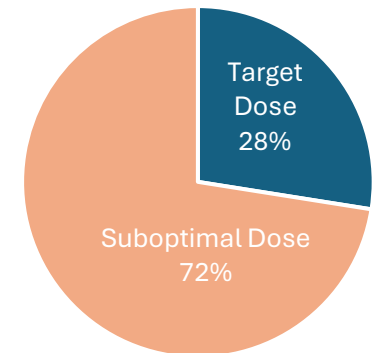


## Target Doses of GDMT

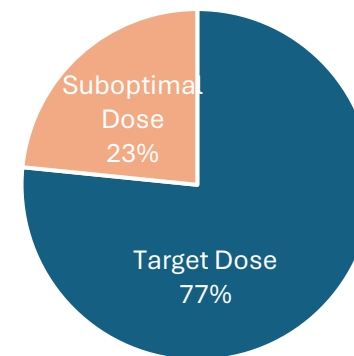
### ACE/ARB/ARNI



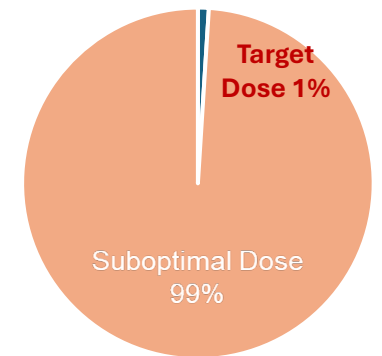
### Beta Blocker



### MRA



### Triple Therapy



# Gaps in Optimizing GDMT in HFrEF



**46%**

of patients had **no changes made to GDMT** within 1 year after hospitalization despite not being on target doses



**42%**

of patients are **not prescribed any GDMT** within 30-days post-hospitalization






**< 1%**

of patients are **on target doses of all 4 pillars of GDMT** at 12-months post-hospitalization

Heidenreich PA, et al. *J Am Coll Cardiol.* 2022;79(17):e263-e421.

# Barriers to Initiating GDMT

 <b>Patient Factors</b>	 <b>Medical Condition</b>	 <b>Health System</b>
<p>Poor health literacy Insurance status Affordability of medications Lack of social support Difficult to access pharmacy Disabilities Cognitive impairment Comorbidities</p>	<p>Polypharmacy Complex HF regimen Side effects Frequency of medications</p>	<p>Poor communication No automatic refills Trouble navigating PAP Slow clinical inertia Differing prescribing patterns</p>

PAP: patient assistance program

# Pharmacist Role in Optimizing Therapy: AHA/ACC

"Patients with HF should receive care from **multidisciplinary teams** to facilitate the implementation of GDMT, address potential barriers to self-care, reduce the risk of subsequent rehospitalization for HF, and improve survival"

"In a recent meta-analysis of 22 RCTs, multidisciplinary interventions that **included a pharmacist reduced HF hospitalizations**"

Heidenreich PA, et al. *J Am Coll Cardiol.* 2022;79(17):e263-e421.

# Treat to Target Program

# Treat to Target Workflow (Summit Health)

## Enrollment

Refer patient with uncontrolled chronic condition/s (e.g., CHF, DM, HTN) to

SMG Referral: Clinical Pharmacy

## Initial Visit

Pharmacist conducts initial telephone consult with patient, documenting in encounter

## Treatment Optimization

Recommendations routed to provider for approval via patient case

## Follow-through

Once approved, pharmacist will send order group to prescriber and provide counseling to patient

## Follow-up

Treatment optimized every 1-4 weeks until patient is at goal

# 3 Year Results: Diabetes

Measures	Results
Enrolled patients with $\geq 2$ visits	387
Percent of Members at Goal at Enrollment	6.3%
Percent of Members at Goal data pull	56.2%
Average Days in Program	256
Average A1c reduction	2.2%

### 3 Year Results: Hypertension

Measures	Results
Enrolled patients with $\geq 2$ visits	91
Percent of Members at Goal at Enrollment	38.5%
Percent of Members at Goal by data pull	69.2%
Average Days in Program	177
Average SBP reduction	15.4 mmHg
Average DBP Reduction	5 mmHg

# Year-Over-Year Comparison

Metrics	Year 1	Year 2	Year 3
Total Patients with $\geq 2$ visits	163	280	426
Avg Days in Program	140	179	256
Avg A1c Reduction	1.5%	2.11%	2.2%
Patients Included for Monetization	100	164	240
3-Year Cost Savings	\$595,547	\$1,005,354.69	\$1,552,614

# 3 Year Monetized Results: Diabetes

- Leveraged article that quantified cost-savings
  - Analyzed charge data in relation to A1c change over a 3-year period
  - Stratified cost-savings by underlying condition: DM ± CAD ± HTN
    - Most significant cost-savings identified in patients with all 3 disease states
  - Cost-savings calculated for any A1c between 10% to 6%
  - Article did not quantify savings where final A1c was > 9%
    - For this reason, total savings is **underreporting** impact
    - Cost savings of 77 patients with A1c improvement of ≥ 1%, but whose final A1c remained above 9%, is not captured
  - **Calculated savings: \$1,552,614**

# Medication Adherence

# Medication Adherence Best Practices – Prescriber Opportunities

## Prescriber Opportunities

- Prescribe generic alternatives to reduce cost barriers
- Prescribe 90-days with 1-3 refills for chronic medications when appropriate
- Reduce pill burden
  - Use combination products when generically available
  - Use once daily dosing when generically available
  - Caution over-prescribing (e.g. opioids, sedative hypnotics, proton pump inhibitors, antibiotics)
  - Titrate doses to maximize benefit of current regimen and avoid adding additional medications
- Assume adverse reactions are medication related until proven otherwise
- Assess adherence at every visit
  - SH Medication Adherence Tool (see below)
  - Review flowsheet of each individual medication to assess fill history
- Use ICD-10 code for history of non-compliance in appropriate patients
- Refer to [clinicalpharmacy@smgnj.com](mailto:clinicalpharmacy@smgnj.com) for pharmacy consult

# Medication Adherence Best Practices – Patient Opportunities

## Get Patients Involved

- Review medication indications
- Simplify medical jargon
- Use motivational interviewing to empower patients
- Use teach back to ensure comprehension
- Provide realistic expectations of anticipated benefits
- Engage patients and support system in medical decision-making process
- Choose medications based on adverse event profile
- Encourage daily routines and suggest strategies that pair medication taking with current habits:
  - o Place meds bedside, by coffeemaker, near toothbrush
  - o Coincide medication taking with snacktime, mealtime or bedtime

# Medication Adherence Best Practices – Tools to Improve

## Tools to Improve Adherence

- SH Medication Adherence Tool (see below)
- Up-to-date medication list: Name, indication, dose, directions
- Pill boxes
- Calendars
- Alarms
- Reminders from support system
- Drive-thru pharmacies
- Auto-refill pharmacies
- Medication synchronization programs
- Refer to pharmacies with unit-dose packaging services
- Smart phone Apps: MyMeds <https://www.my-meds.com/>
- Smart pill bottle cap: “TimerCap” <https://timercap.com/>

## SH Medication Adherence Tool

### Questions

- 1) Do you ever miss your medications for any reason?
- 2) Are you ever careless about taking your medications?
- 3) Do you sometimes stop taking your medications when you feel worse?
- 4) Do you sometimes stop taking your medications when you feel better?

Scoring for each question: Yes = 1; No = 0

Adherence	Score
Very Adherent	0
Moderately Adherent	1-2
Minimally Adherent	3-4

# Thank you!

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