

# RECORD MI: HEART FAILURE COMPLICATING ACUTE MYOCARDIAL INFARCTION

PRESENTED BY JAVED BUTLER | 28 AUGUST 2023

## Study design

Retrospective analysis of adults with a discharge diagnosis of MI across 28 hospital EHR in the BSW Health (US) (Jan 2015 to Dec 2021)

**6804**  
eligible patients

**Aged ≥18 years**  
Discharge diagnosis of MI

**6556**  
discharged alive

**STEMI (n=1487)**  
Non-STEMI (n=5609)

**5047**  
no prior history of HF

**STEMI (n=1356)**  
Non-STEMI (n=3691)

**1578**  
developed incident HF

**STEMI (n=438)**  
Non-STEMI (n=1140)

## Key demographics and patient characteristics



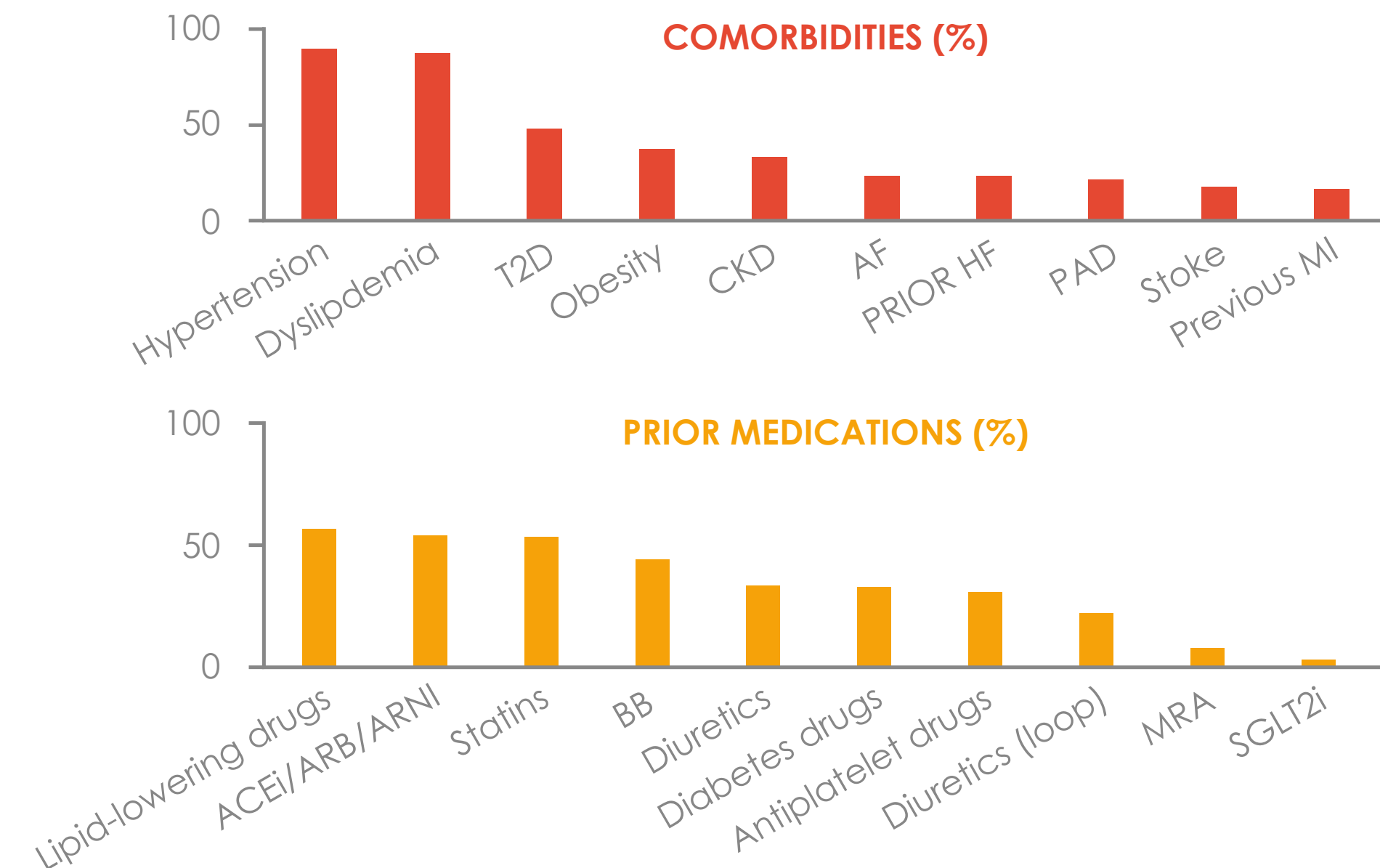
**MEDIAN AGE**  
68.9 years



**FEMALE**  
40.3%



**MEDIAN LVEF**  
52.5%



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## Outcomes at 1 year

Among patients who were discharged alive, a lower proportion of patients in the **STEMI** vs **non-STEMI group** had:



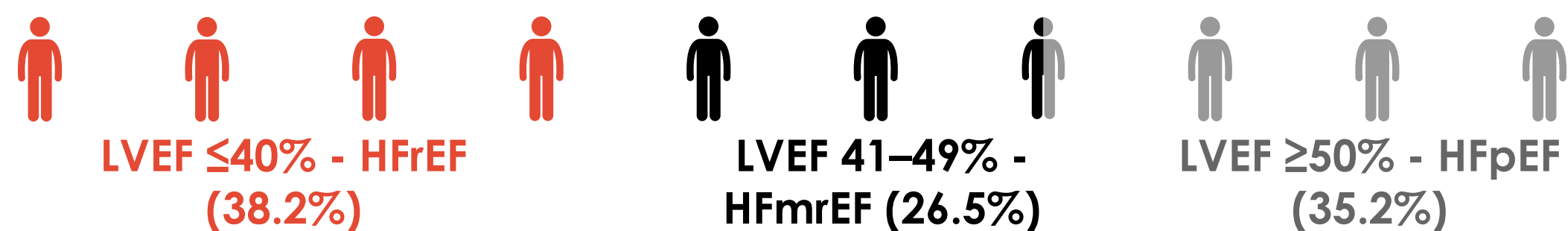
### Patients with no prior history of HF (n=5047)



Among patients with no prior history of HF, a higher proportion of **patients who developed incident HF** vs **those who did not develop HF** had:



### Distribution of incident HF types



The study findings underscore the importance of developing novel therapeutic strategies to mitigate post-MI HF risk