Supplemental Figure 1: Quintiles of predicted probability and observed outcomes in the entire SCD-HeFT external validation cohort at 1, 2 and 5 years of follow up.

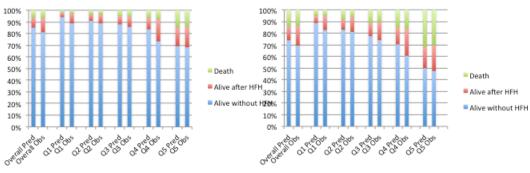
Supplemental Figure 2: Quintiles of predicted probability and observed outcomes in the non-ICD medical therapy arms of the SCD-HeFT external validation cohort at 1, 2 and 5 years of follow up with the states of "death without HF hospitalization" and "death after HF hospitalization" combined into one "death" state

Supplemental Figure 3: Quintiles of predicted probability and observed outcomes in the ICD arm of the SCD-HeFT external validation cohort at 1, 2 and 5 years of follow up with the states of "death without HF hospitalization" and "death after HF hospitalization" combined into one "death" state

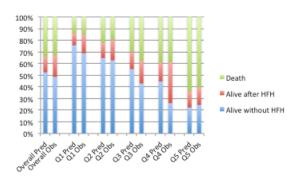
Supplemental Figure 4: Updated prediction model with ICD effect with quintiles of predicted probability using updated model and observed outcomes in the ICD arm of the SCD-HeFT external validation cohort at 1, 2 and 5 years of follow up.

Supplemental Figure 1:

- A. 1 year outcomes: entire validation cohort
- B. 2 year outcomes: entire validation cohort

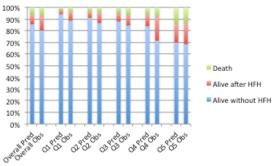


C. 5 year outcomes: entire validation cohort

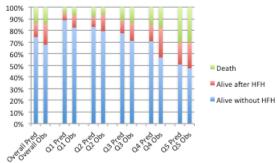


Supplemental Figure 2:

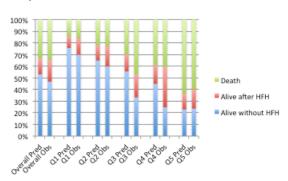
A. 1 year outcomes: Non-ICD arms validation cohort



B. 2 year outcomes: Non-ICD arms validation cohort

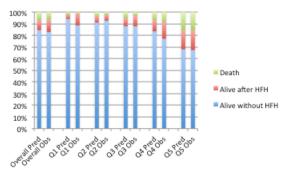


C. 5 year outcomes: Non-ICD arms validation cohort

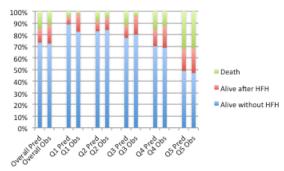


Supplemental Figure 3:

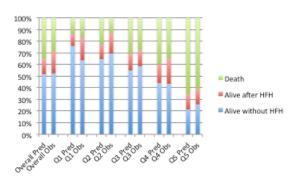
A. 1 year outcomes: ICD arm validation cohort



B. 2 year outcomes: ICD arm validation cohort

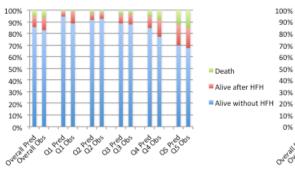


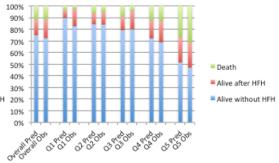
C. 5 year outcomes: ICD arm validation cohort



Supplemental Figure 4:

- A. 1 year outcomes: ICD arm validation cohort Prediction model updated with ICD effect
- B. 2 year outcomes: ICD arm validation cohort Prediction model updated with ICD effect





C. 5 year outcomes: ICD arm validation cohort Prediction model updated with ICD effect

