

Outcomes in Patients with Psychiatric Disorders Admitted for Cardiovascular Diseases: Insights from a Nationwide Database

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INTRODUCTION

- Psychiatric disorders often coexist with cardiovascular diseases (CVD).
- We sought to study the associations between psychiatric diseases and peri-hospitalization outcomes in patients with CVD including heart failure (HF), acute coronary syndromes (ACS) and atrial fibrillation/flutter (AF).

METHODS

- We queried ICD-10 codes in the nationwide readmissions database (2016-2018) for patients with psychiatric disorders including psychotic (F20-29), mood (F30-39), and/or anxiety (F40-43) disorders who were primarily admitted for CVD including heart failure, acute coronary syndromes, or atrial fibrillation/flutter.
- Multivariable analysis assessed length of stay and 30-day non-elective readmission after adjusting for age, gender, demographics, and Healthcare Cost & Utilization Project (HCUP) comorbidities.

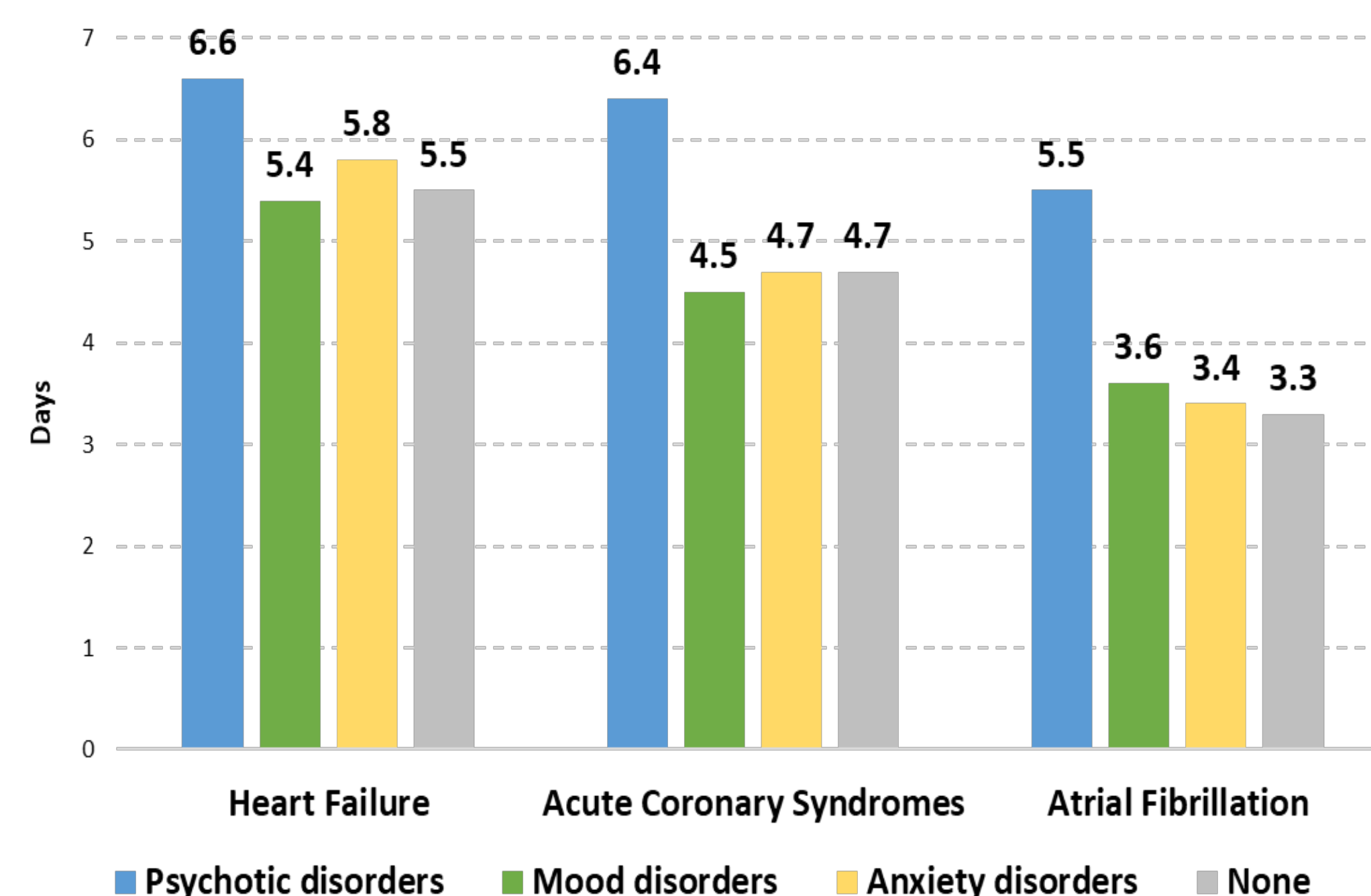
RESULTS

- Among 2,001,839 admissions for CVD (mean age 69±14 years, 56.2% males), 9.6% had concurrent mood disorders, 7.2% anxiety disorders, and 0.8% psychotic disorders.
- Psychotic disorders were also associated with longer length of stay compared with anxiety and mood disorders or no psychiatric illness (**Figure 1**).
- In multivariable analysis, all psychiatric disorders, most notably psychotic disorders, were associated with significantly higher 30-day readmission rates in comparison with no psychiatric disorders (**Figure 2**).

CONCLUSION

- In patients admitted for CVD, the presence of psychiatric illnesses was associated with higher 30-day readmissions.
- Further studies are necessary to determine the effects of psychiatric disorders on outcomes in CVD, and potential mitigation strategies.

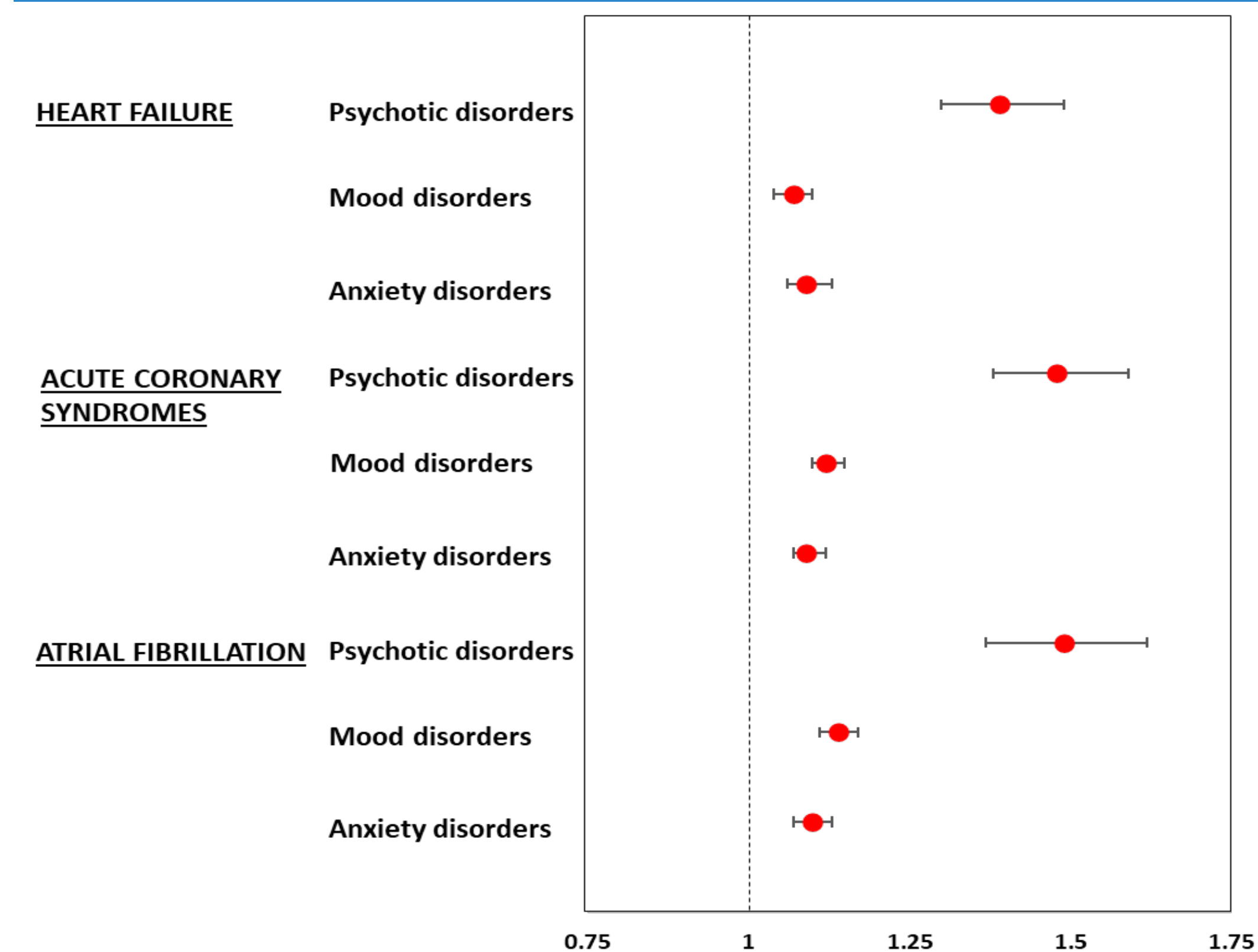
FIGURE 1. MEAN LENGTH OF HOSPITAL STAY (DAYS)



The presence of **Psychiatric Disorders** in patients admitted for **Heart Failure, Acute Coronary Syndromes, or Atrial Fibrillation** was associated with higher risk of **30-day Readmissions**

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FIGURE 2. Multivariable analysis of 30-day non-elective readmissions (vs. no psychiatric disorders)



DISCLOSURE INFORMATION

BWS is a consultant for Alnylam, Pfizer, and BridgeBio//Eidos and a speaker for Pfizer.

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