

Epidemiology and Management of Atrial fibrillation in Israel

Data from Maccabi Healthcare Services

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- 3 - Sanofi – Aventis**

Disclosures

- This study was supported by an unrestricted educational grant by Sanofi-Aventis, Israel

Backgrounds

- Atrial Fibrillation (AF) is the most prevalent of all tachyarrhythmia
- It carries substantial morbidity and mortality.
- Data on the prevalence of AF and its associated outcome in Israel are scarce.

Aim

- The aim of this study is to describe current medical management and prognosis of patients with AF from a large Israeli cohort obtained from Maccabi Health Services (MHS).

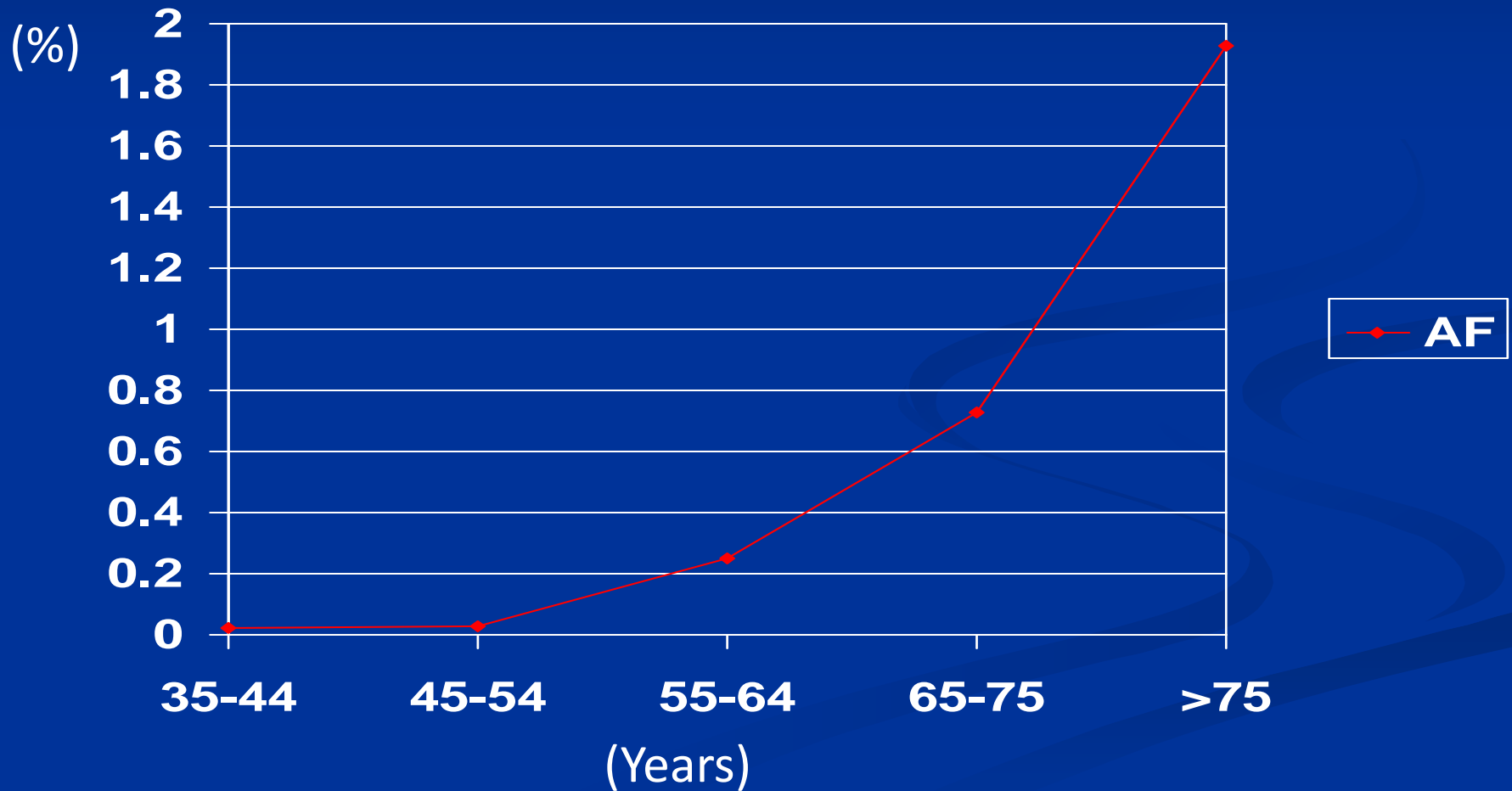
Methods

- Data of 68635 patients, (women 47.5%) with the diagnosis of AF in their medical records or in hospitalization discharge letters from 2003 to 2007, was compared to an age and gender matched control group of patients without AF.
- The data was obtained from Maccabi Health Services (MHS).

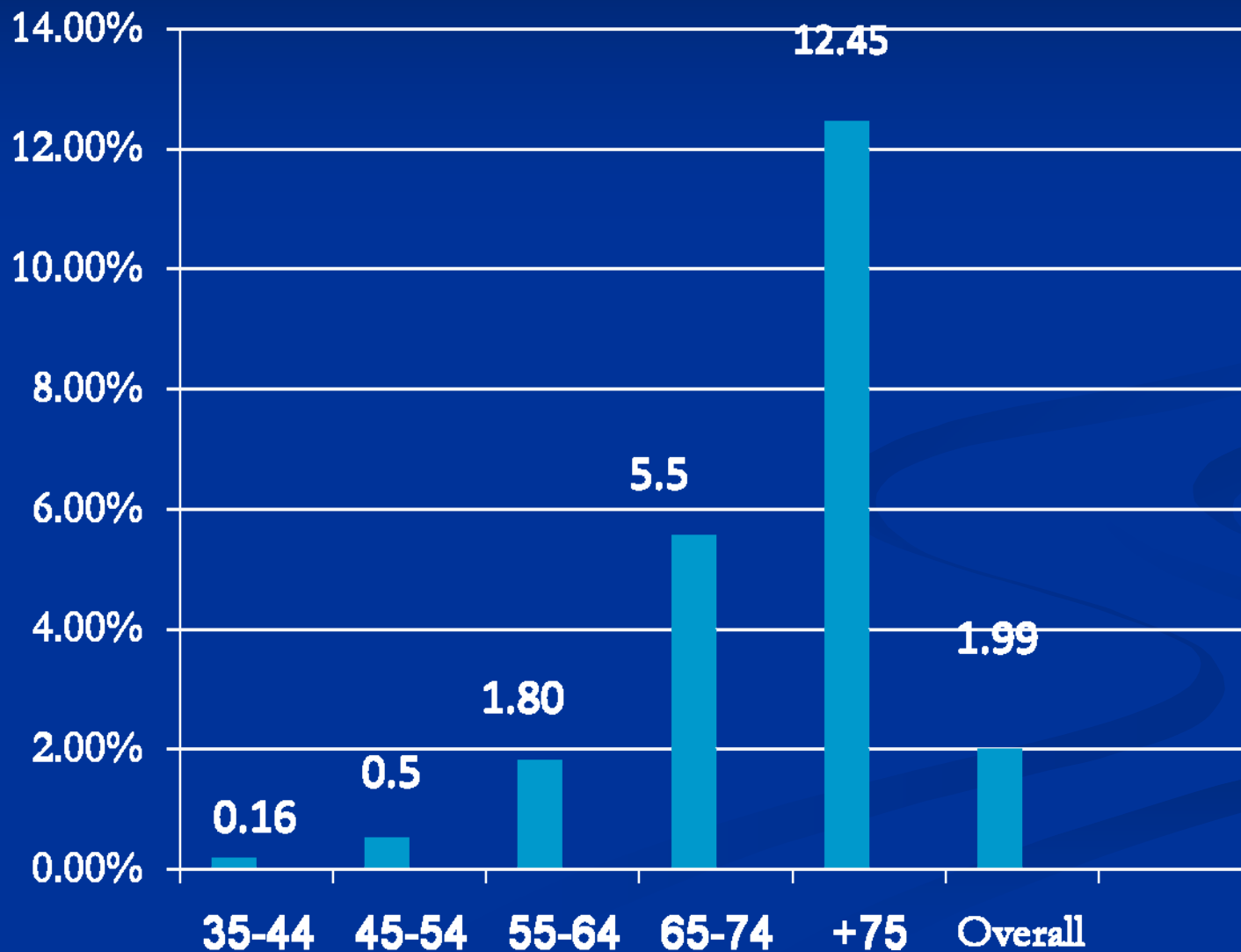
Results



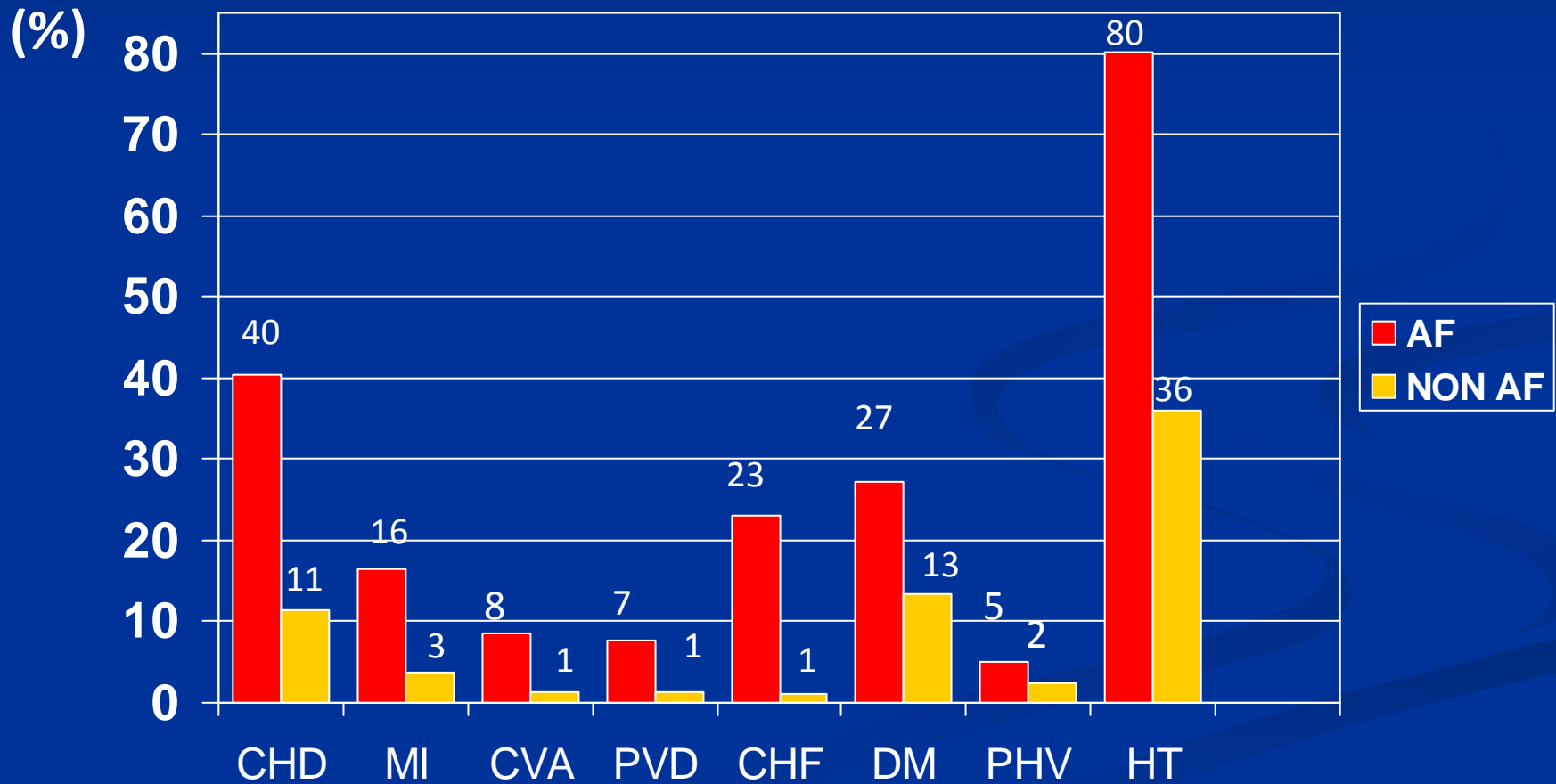
Annual incidence rate of AF according to age (%)



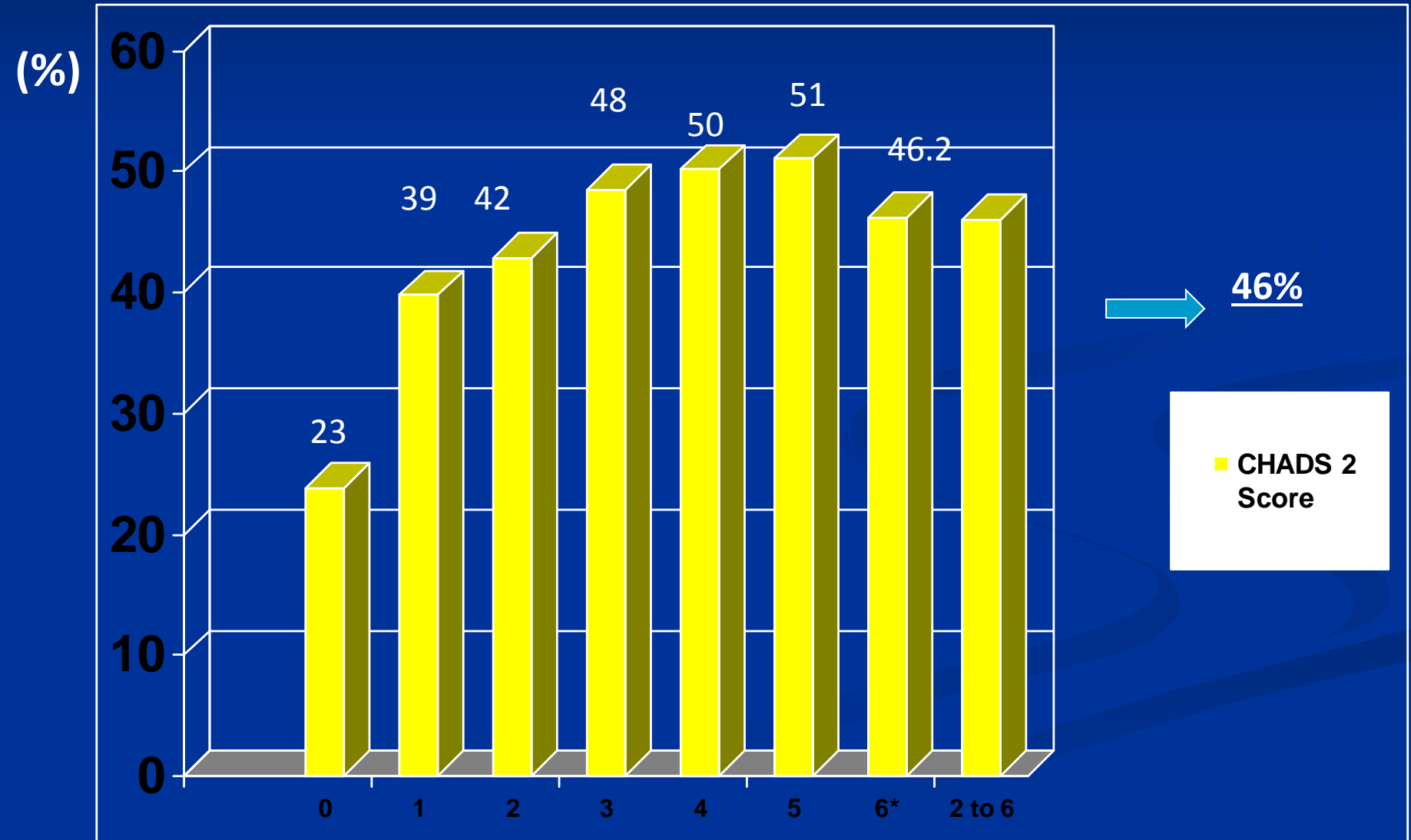
Prevalence of AF patients in registry among members of MHS, 2003-2007 (%)



Prevalence of co-morbid conditions (ever diagnosed) in persons with and without AF, in the period 2003-2007 (%)

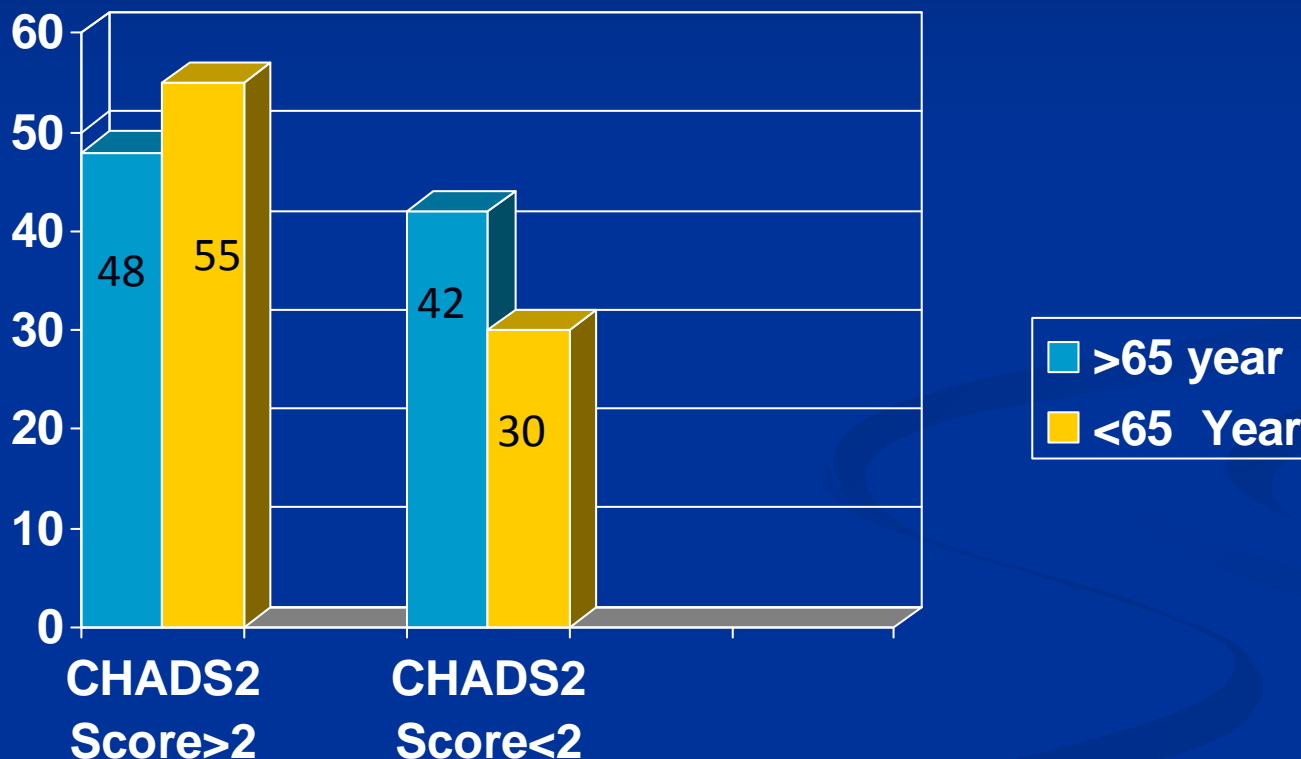


Percent with at least one warfarin purchase by CHADS score, in the 2003-2007 period(%)

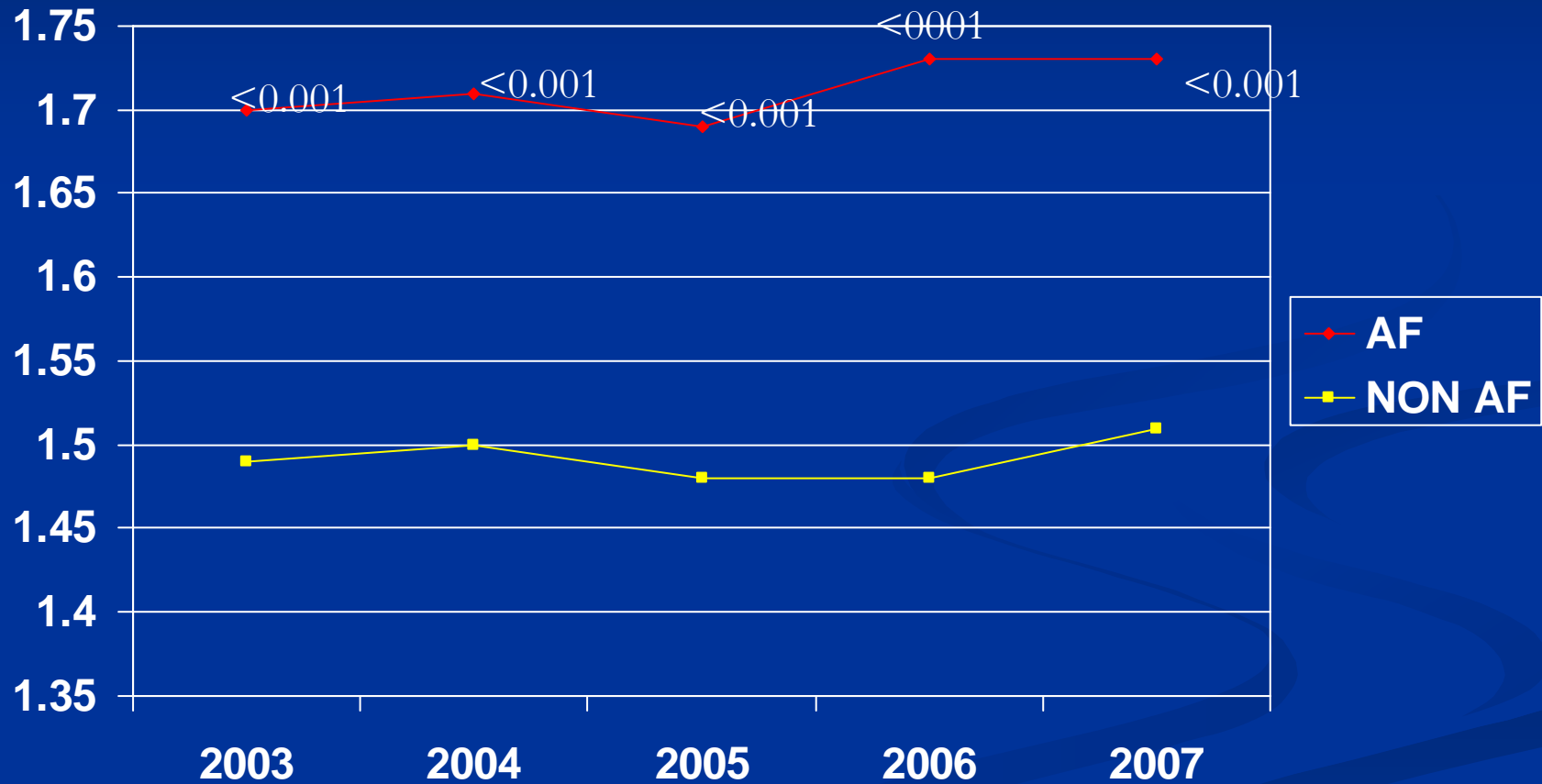


Percent of AF patients with at least 1 or more warfarin purchases, by CHADS2 score and age group

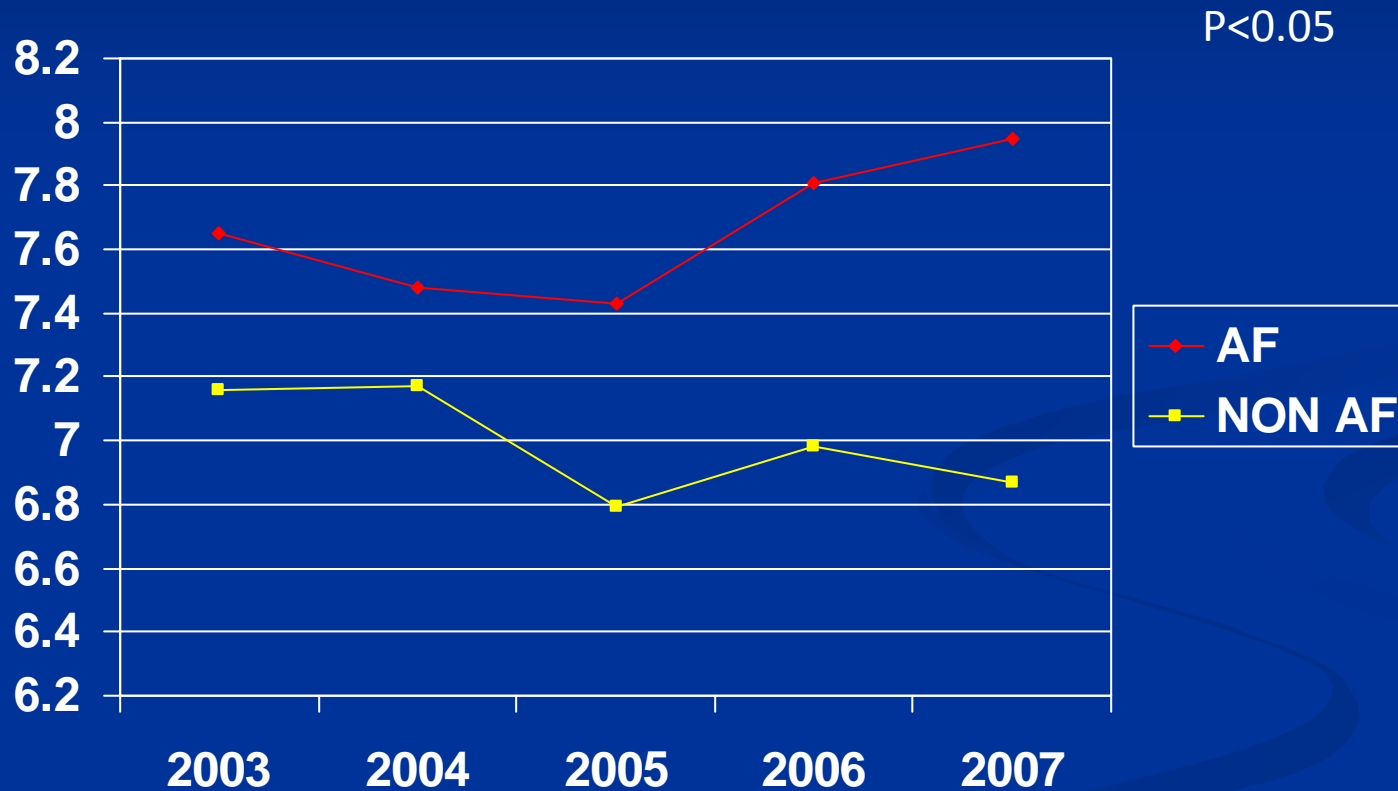
2003-2007(%)



Mean No. of hospitalizations(%)

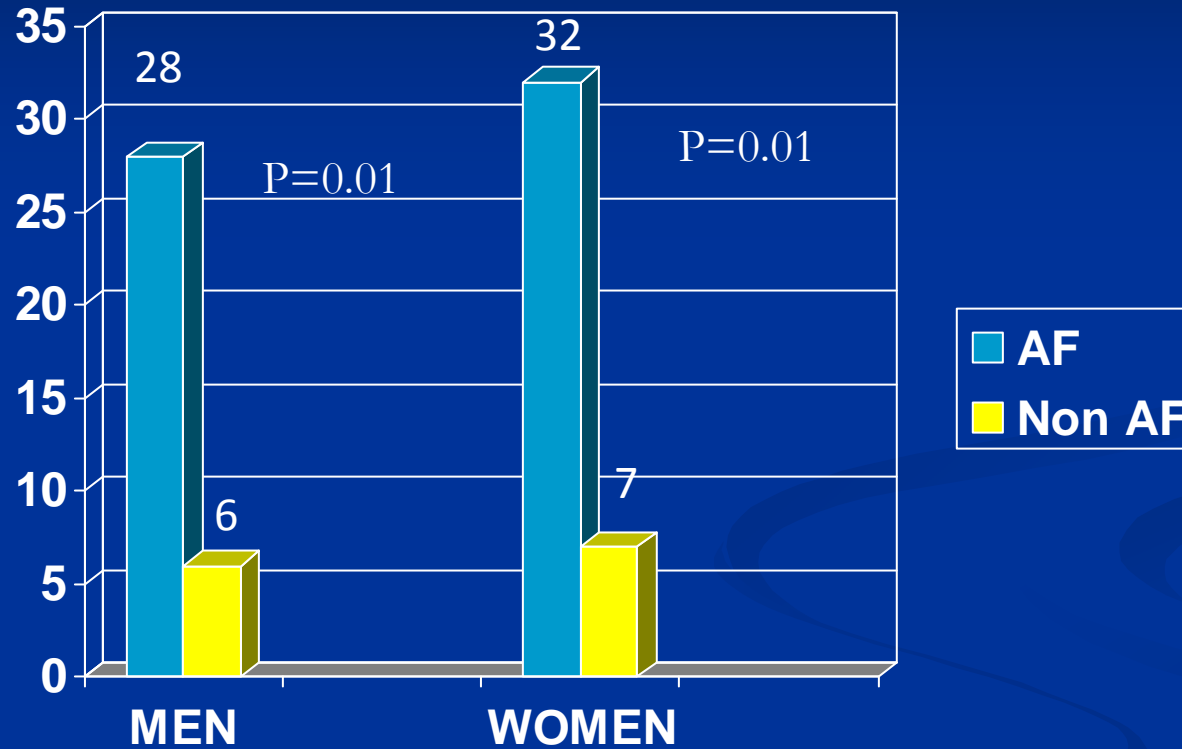


Mean total length of stay days (%)

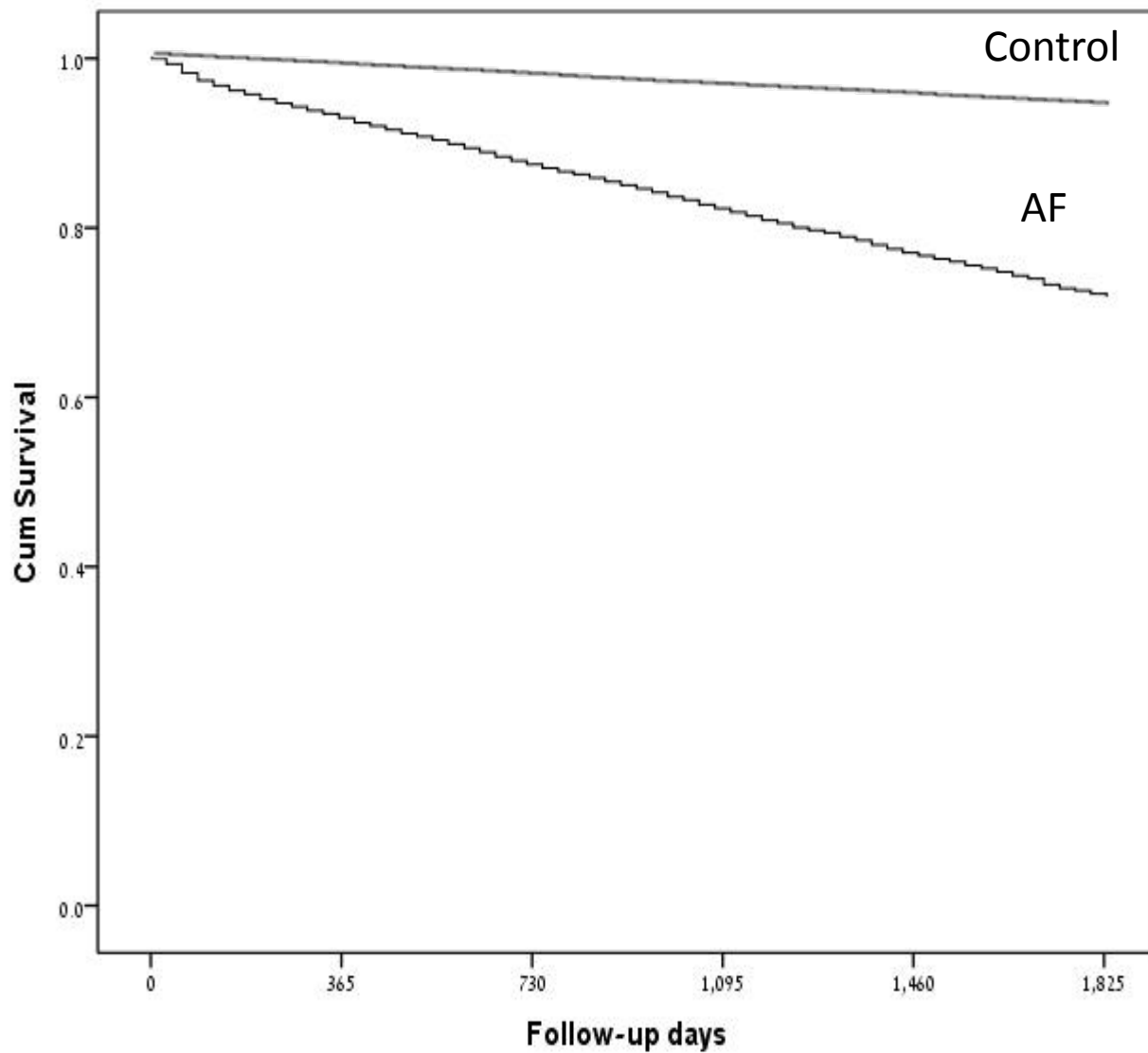


MORTALITY: 5 years of follow up

(%)

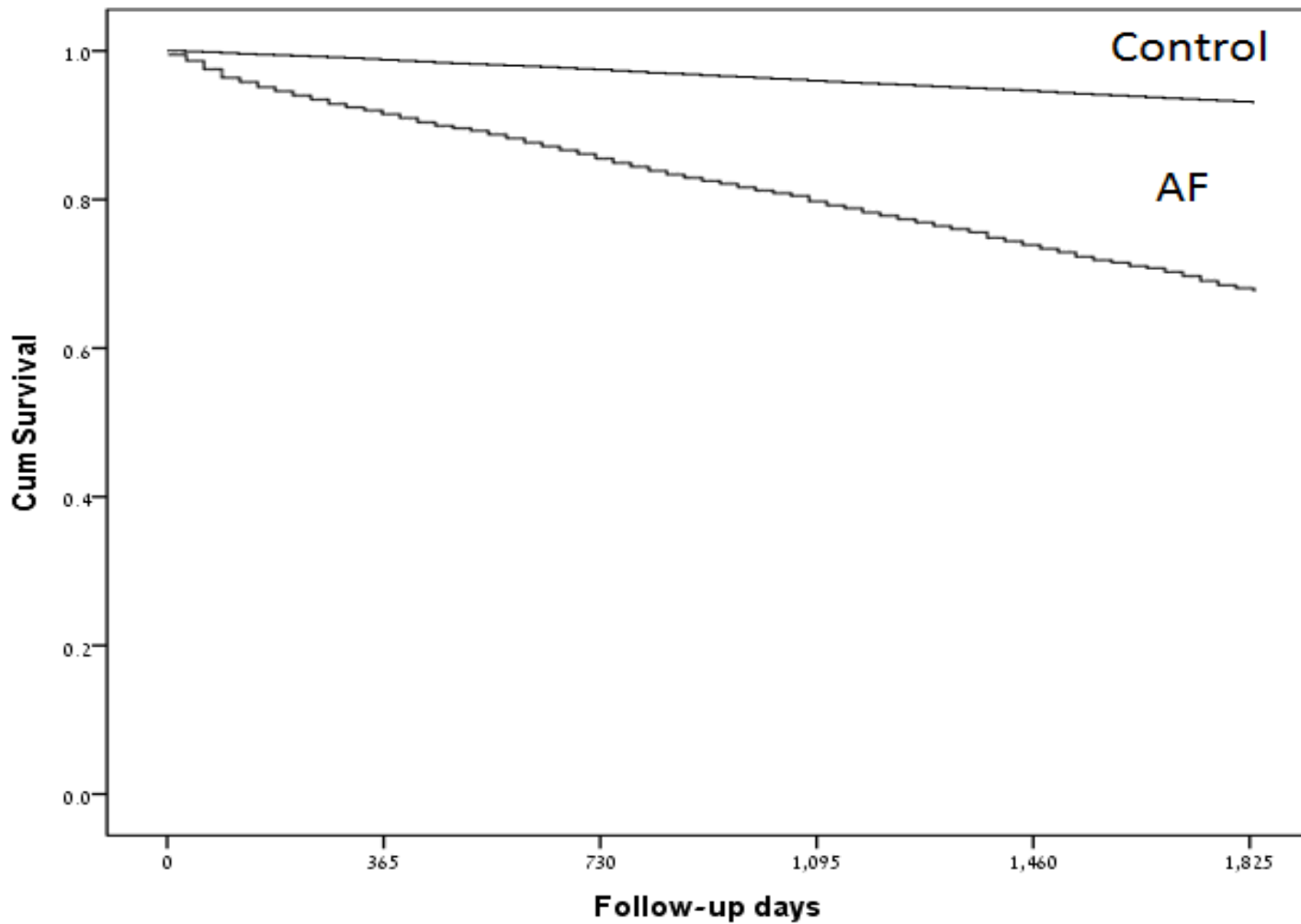


Men



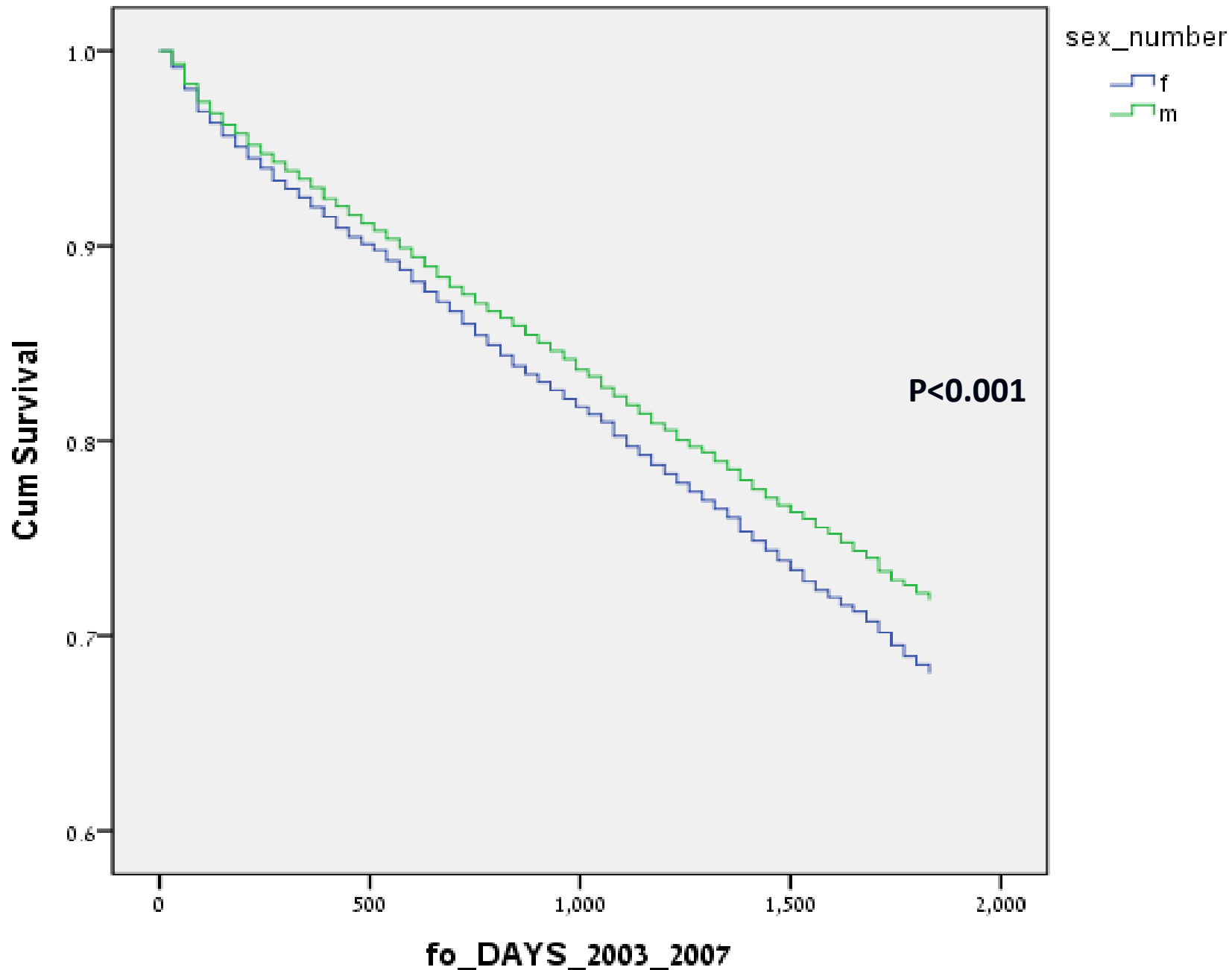
P < 0.01

Women



$P < 0.01$

Survival Function



Study limitation

- Results are applicable to an out-of-hospital population may not be applicable to the hospital-based population.
- Retrospective study.
- We didn't calculate : Percent time in therapeutic INR range (TTR)- indicator for outpatient oral anticoagulation.
- No data about follow up of stroke.

Summary

- The incidence and prevalence of AF in our registry increase significantly with increasing age.
- Hypertension and CHD are the most common underlying disorders in patients with AF.
- Our study shows the under use of warfarin.
- In women the mortality is higher than men
- Patients with AF have significantly higher mortality as compared to controls

Thanks for your attention