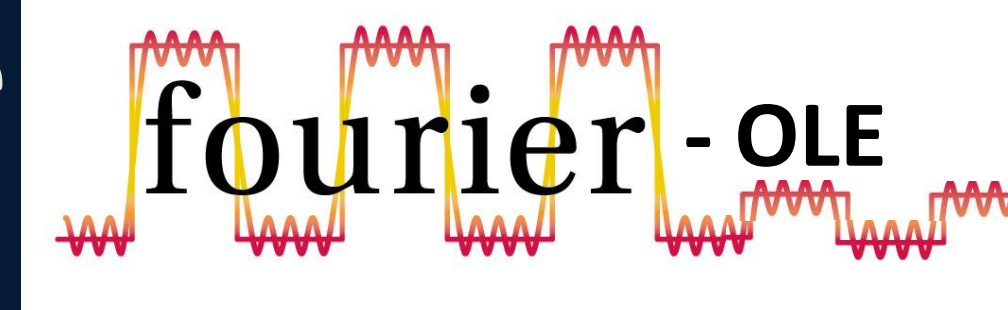




Long-Term Evolocumab in Elderly Patients With Established Atherosclerotic Cardiovascular Disease

An Analysis from FOURIER and FOURIER-OLE



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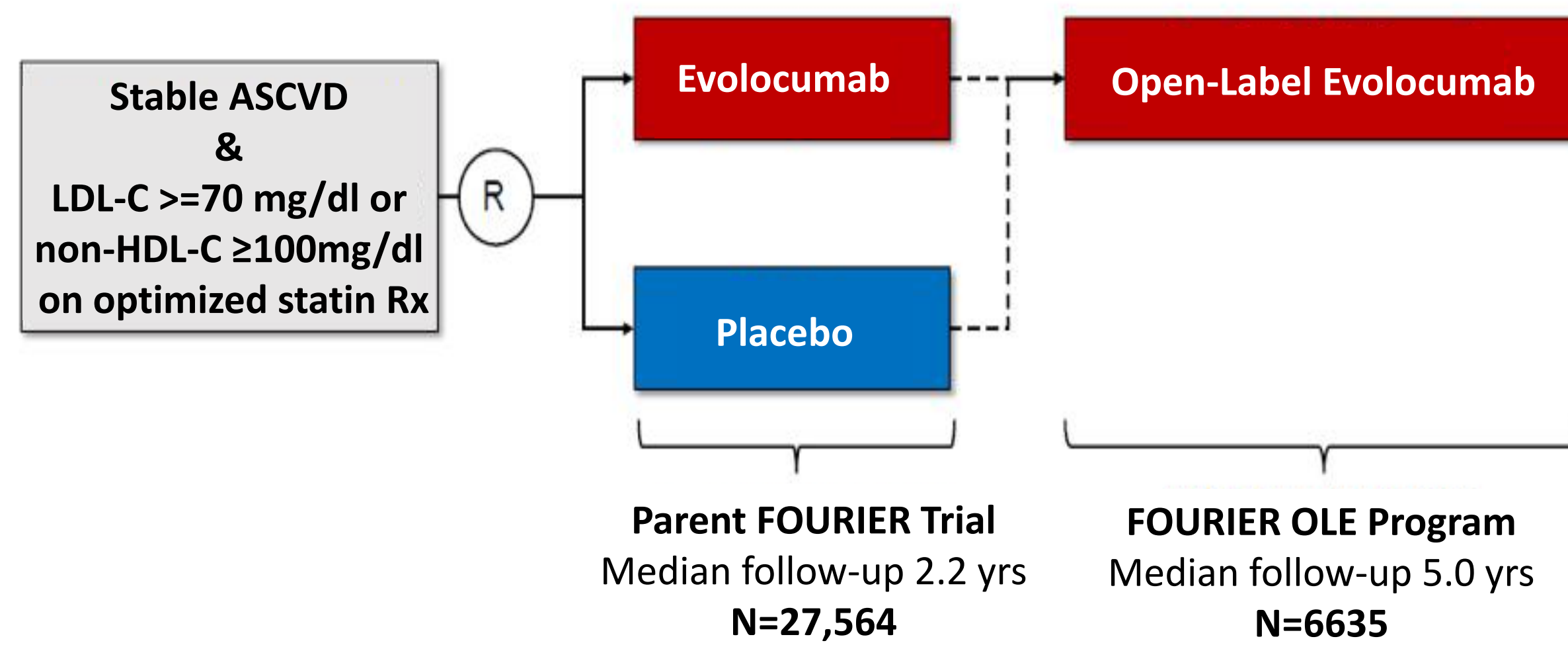
BACKGROUND

- Data are sparse on long-term benefits of PCSK9 inhibition in elderly pts.
- Concerns about relative efficacy and safety have led to weaker "class IIa" recommendations in US guidelines for intensive LDL-C lowering in patients older than 75 years (compared to Class I in younger patients). The recommendation is for moderate or high-intensity statins, with no specific recommendation for adding a non-statin

OBJECTIVE

- To assess the long-term efficacy and safety of evolocumab in patients ≥ 75 years versus < 75 years in the FOURIER trial and FOURIER open label extension (OLE)

METHODS



- Primary end point (PEP: CV death, MI, stroke, unstable angina, coronary revasc) and key secondary end point (SEP: CV death, MI, stroke) were compared based on original allocation to Evolocumab vs. Placebo stratified by age: < 75 vs ≥ 75 yrs.

- Annualized incidence rates (IR) for key adverse safety events were compared in placebo patients in FOURIER, evolocumab patients during FOURIER, and evolocumab during FOURIER & FOURIER-OLE

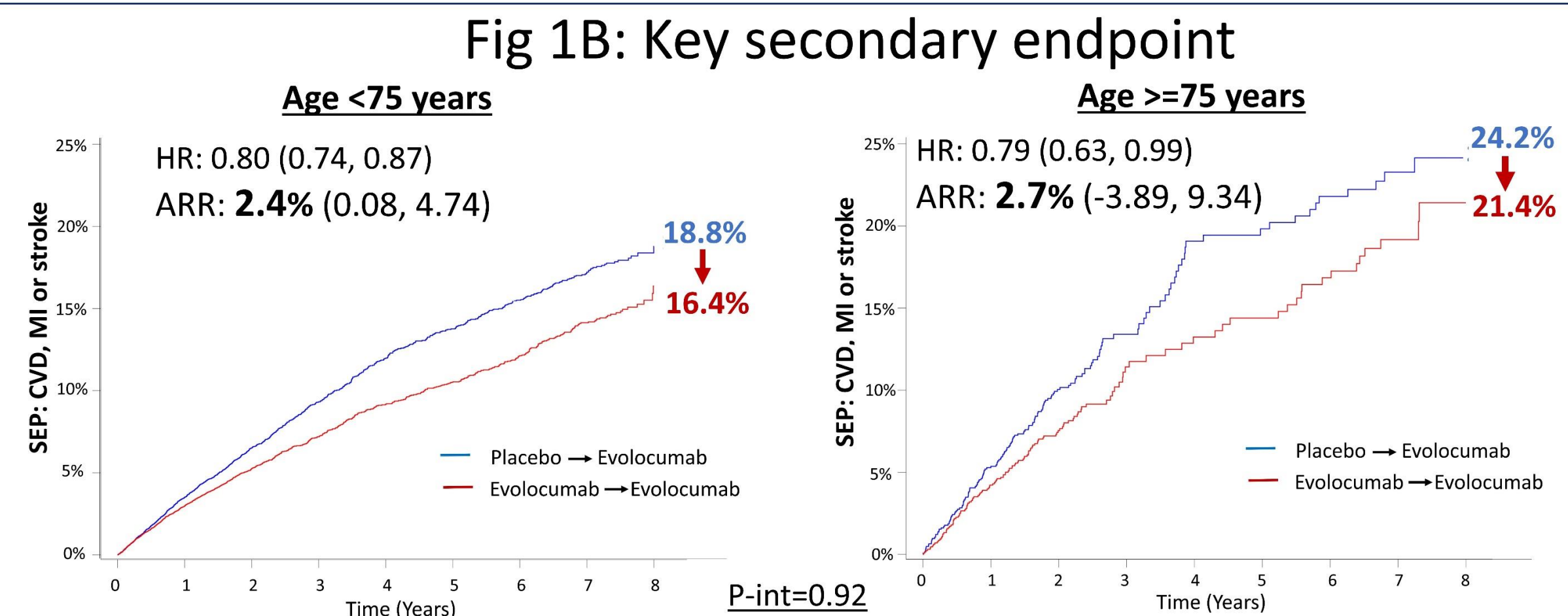
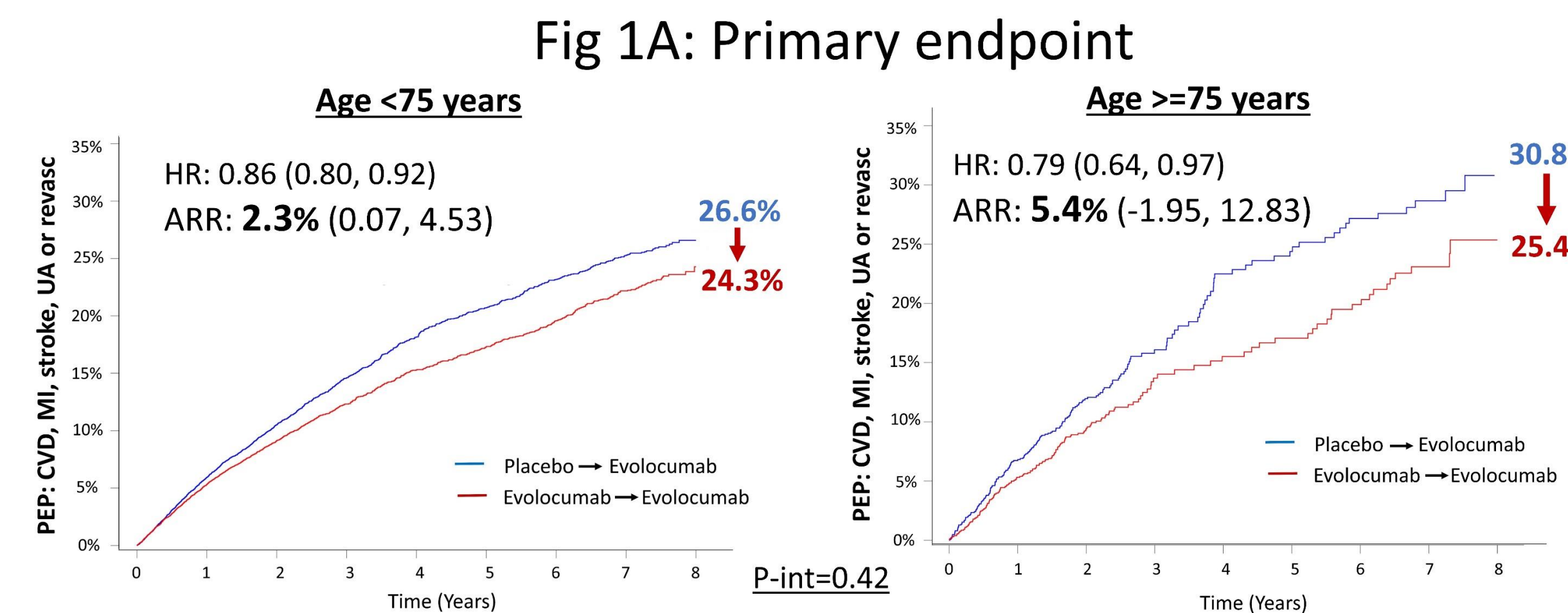
RESULTS

Table 1: Baseline Characteristics by age

Characteristic	< 75 years (N = 25038)	≥ 75 years (N = 2526)
Age (years)	62 (56, 67)	77 (76, 79)
Male	76	66
Prior myocardial infarction	82	76
Symptomatic PAD	13	15
Hypertension	80	85
Diabetes	37	35
Current Smoker	30	6
High intensity Statin use	70	60
LDL (mg/dL)	92 (79, 109)	89 (79, 104)

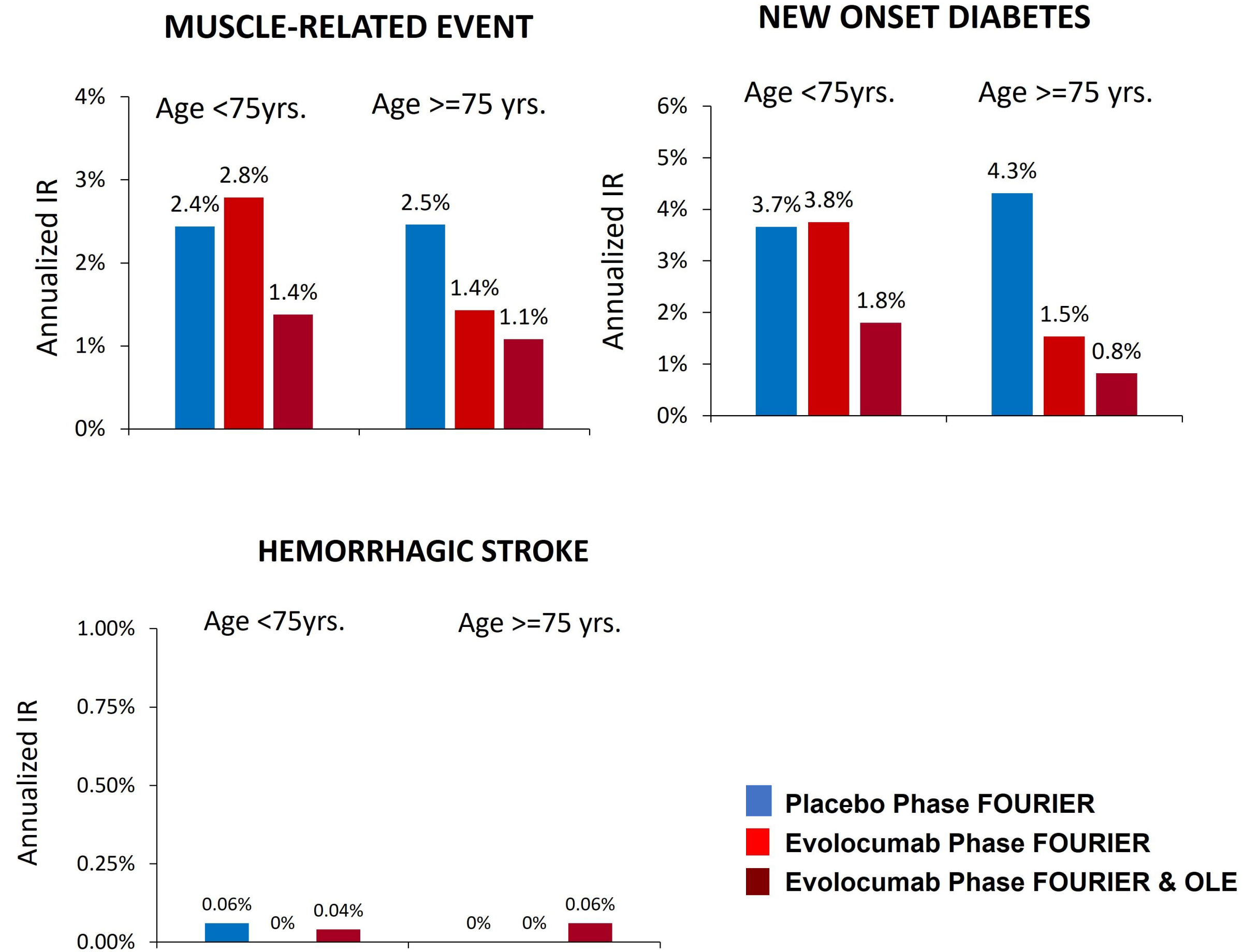
P value $< .001$ except for diabetes ($p=0.24$). Data shown as Median (IQR) for continuous variables and N (%) for categorical variables

Figure 1: PEP and SEP during FOURIER & FOURIER OLE stratified by age



RESULTS

Figure 2: Long-Term Safety during FOURIER & FOURIER OLE stratified by age



CONCLUSIONS

Elderly patients with ASCVD derive similar to greater CV benefit compared to younger patients with early initiation of Evolocumab up to 8.6 years with no significant safety concerns. These findings may be helpful in guiding future US recommendations.

DISCLOSURES

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