



**Prasugrel versus clopidogrel for patients with
unstable angina/non-ST-segment elevation
myocardial infarction who are medically managed
after angiographic triage —
Results from the TRILOGY ACS Trial**

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On behalf of the TRILOGY ACS Investigators



Authors and Disclosures*

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Gail Hafley and Witold Ruzyllo—nothing to report.

**For all other authors, see MT Roe et al, NEJM 2012*



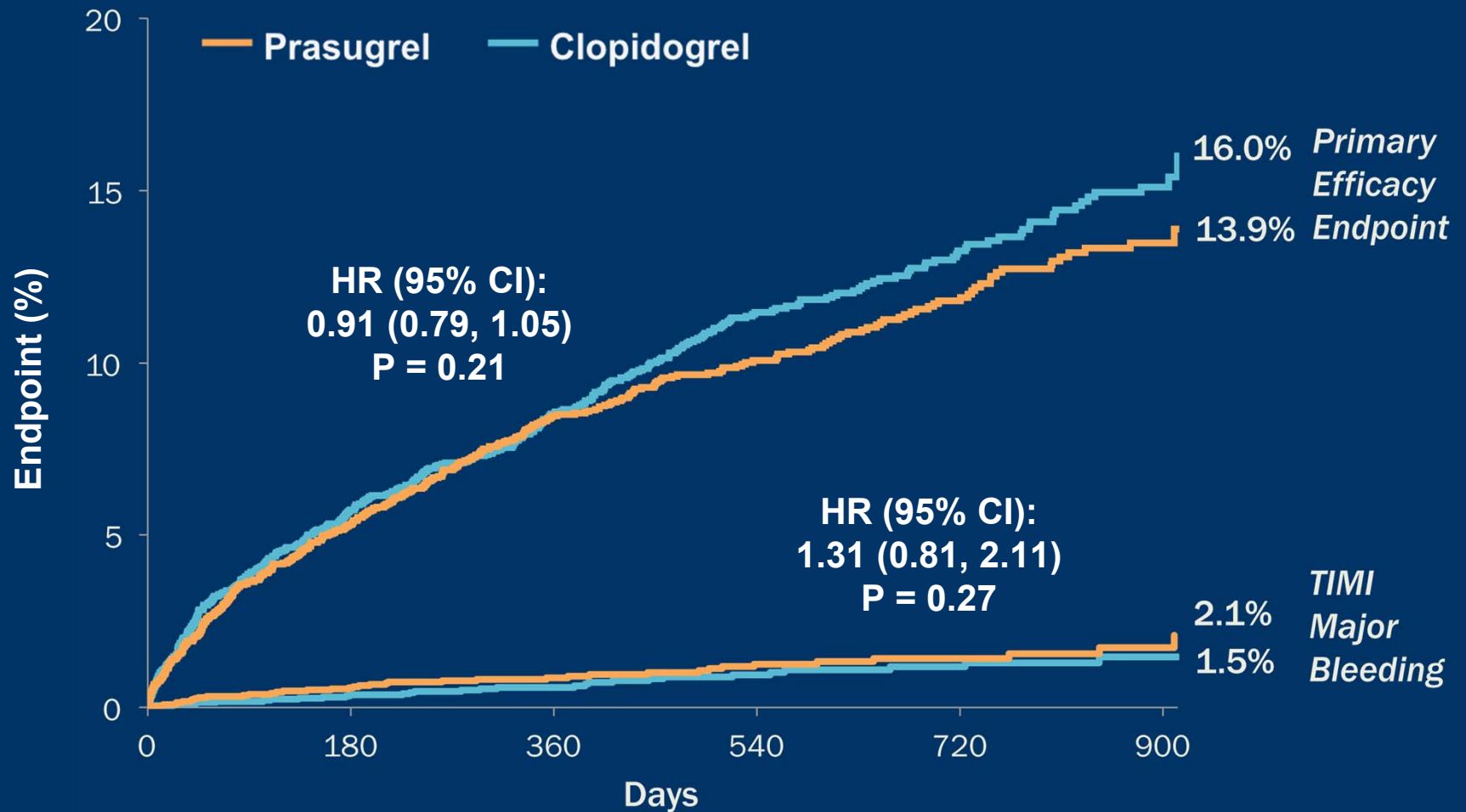
Angiography Background

- The proportion of ACS (UA/NSTEMI) patients worldwide who are managed medically without revascularization (PCI or CABG) is 40–60%. This includes 2 distinct sets of patients:
 - triaged to medical therapy after angiography
 - for whom angiography is not performed
- Prasugrel, a thienopyridine P2Y₁₂ inhibitor, improved ischemic outcomes in ACS patients undergoing PCI in the TRITON-TIMI 38 trial, with an increase in major bleeding.



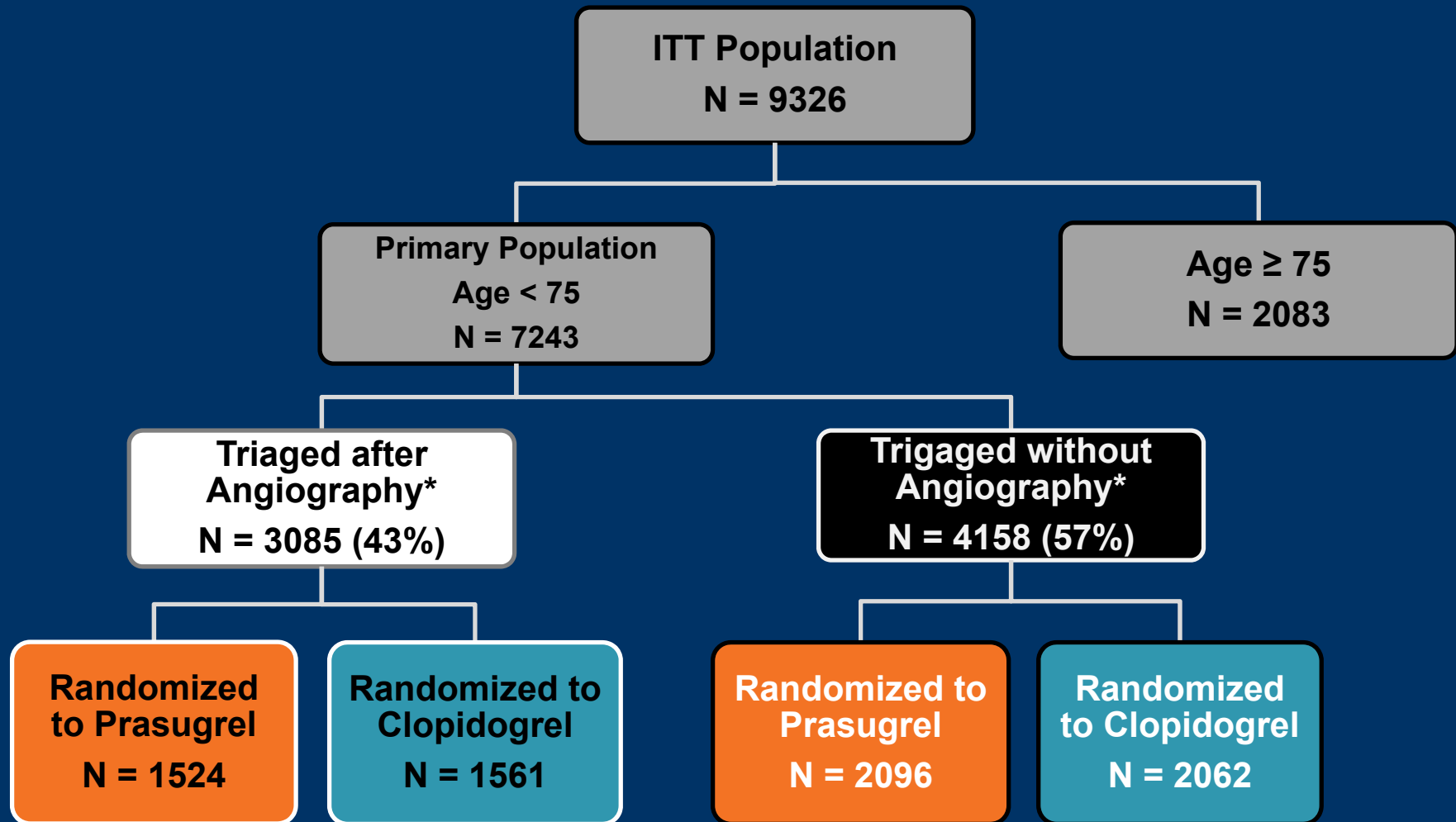
Primary Efficacy Endpoint and TIMI Major Bleeding Through 30 Months

(Age < 75 years, N = 7243)





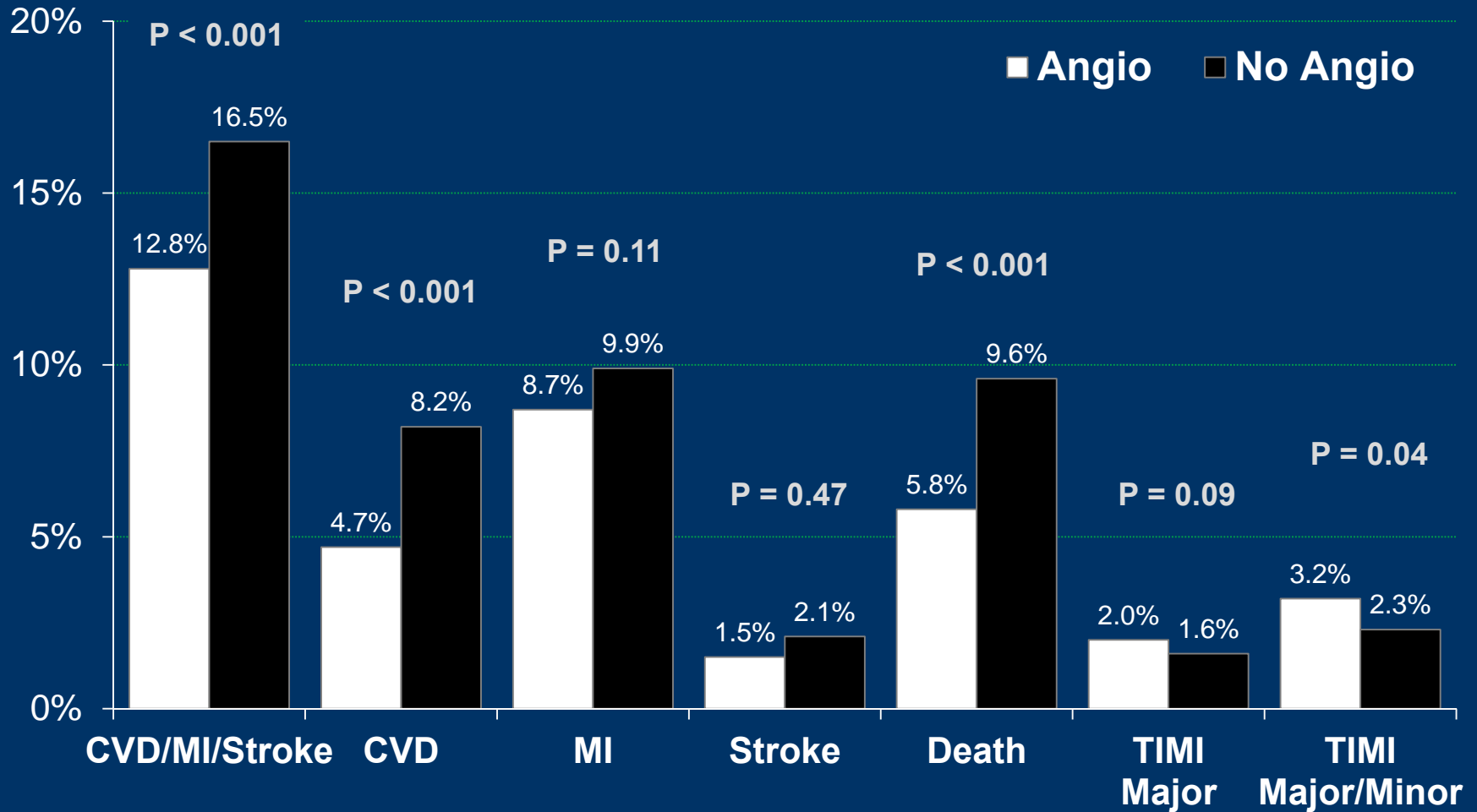
Prespecified Analysis of Angiographic Cohort



*For angiography vs no angiography comparisons — p-values unadjusted, for prasugrel vs clopidogrel - p-value adjusted for clopidogrel stratum



Incidence of Outcomes by Angiography Status (Age < 75 years)



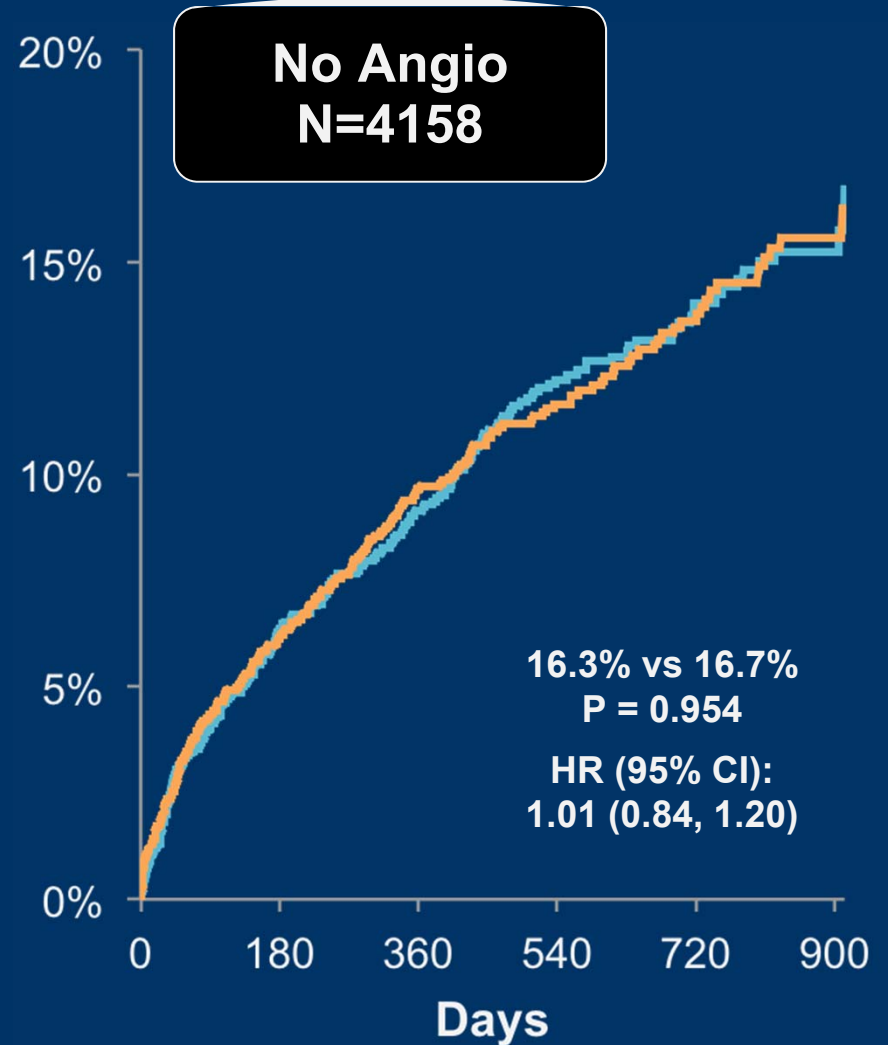
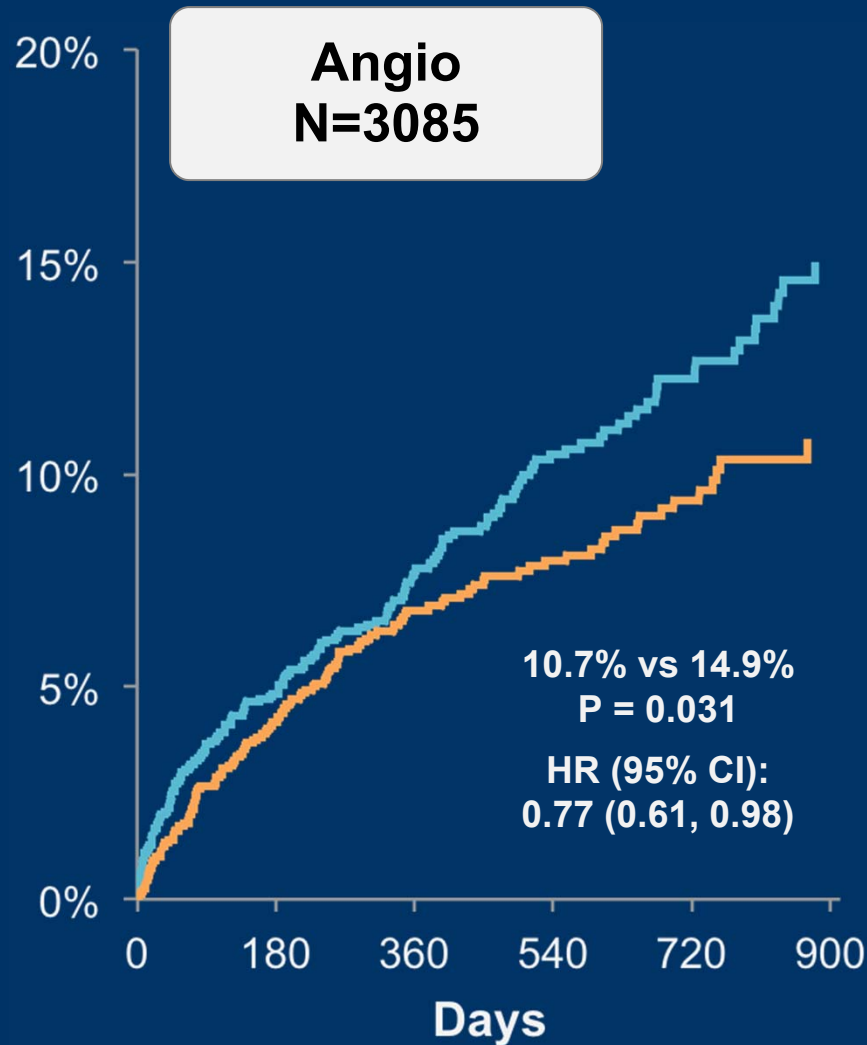


Primary Efficacy Endpoint to 30 Months

(Age < 75 years)

— Prasugrel

— Clopidogrel

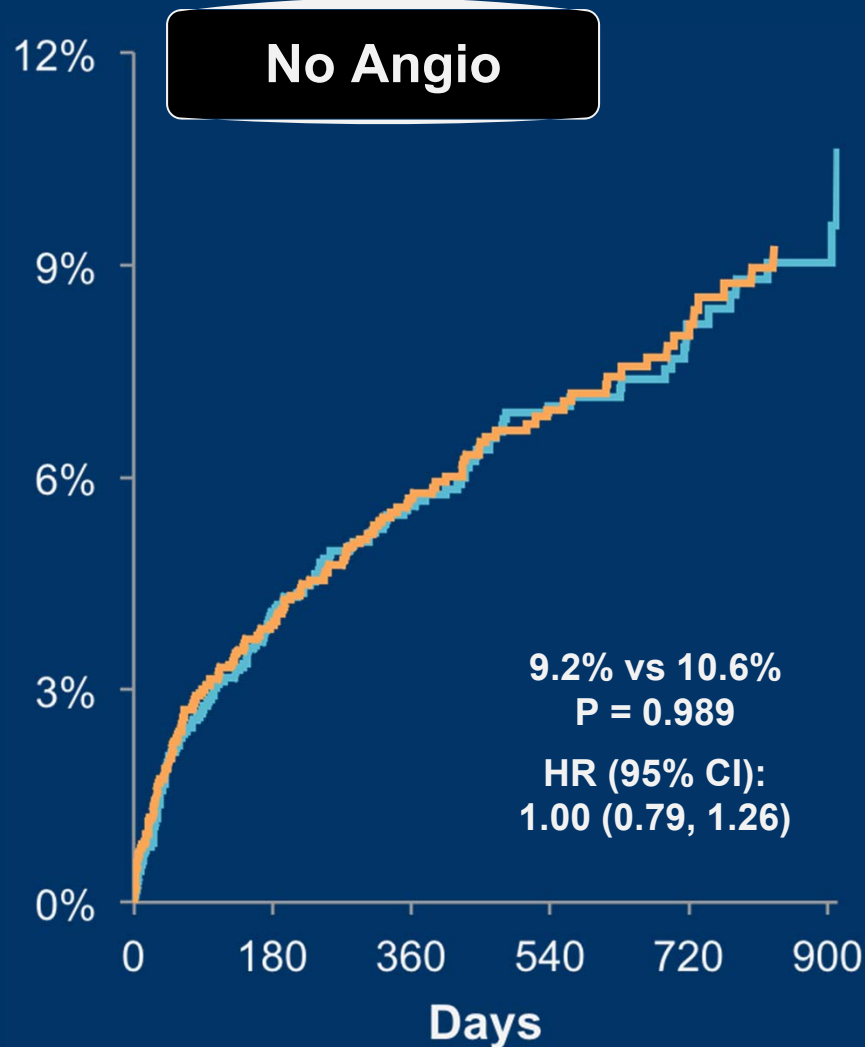
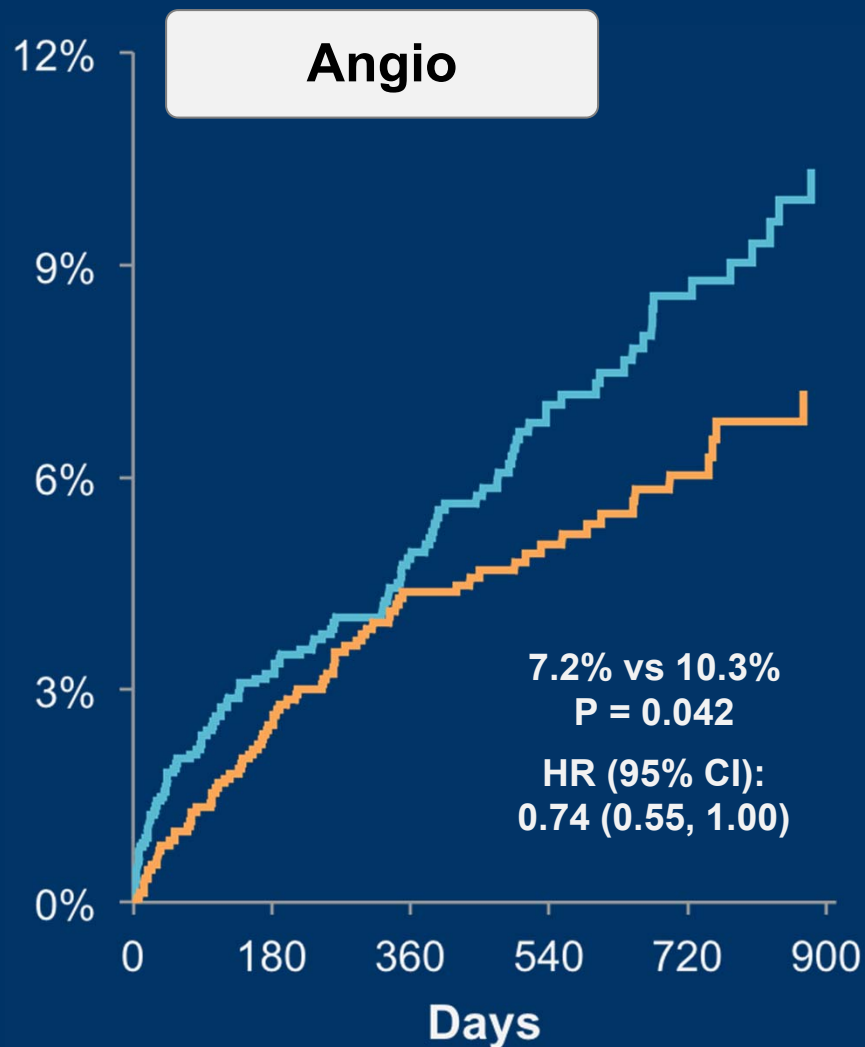


P interaction = 0.08



Myocardial Infarction

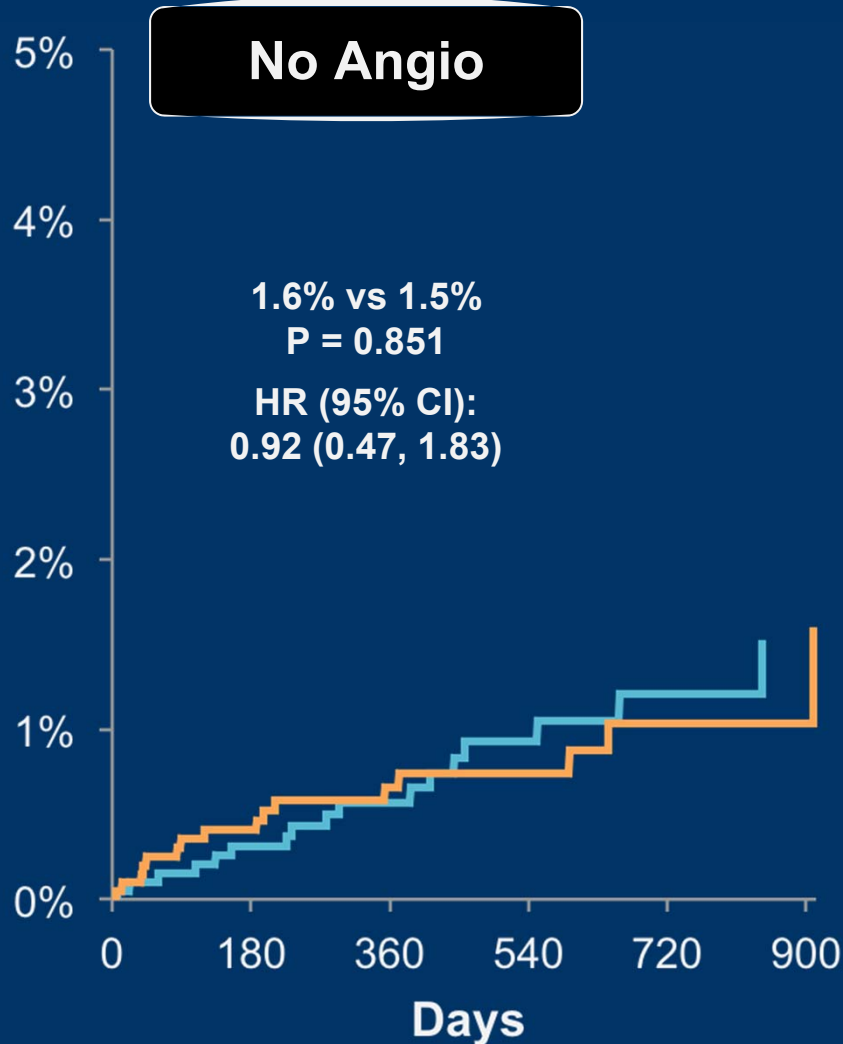
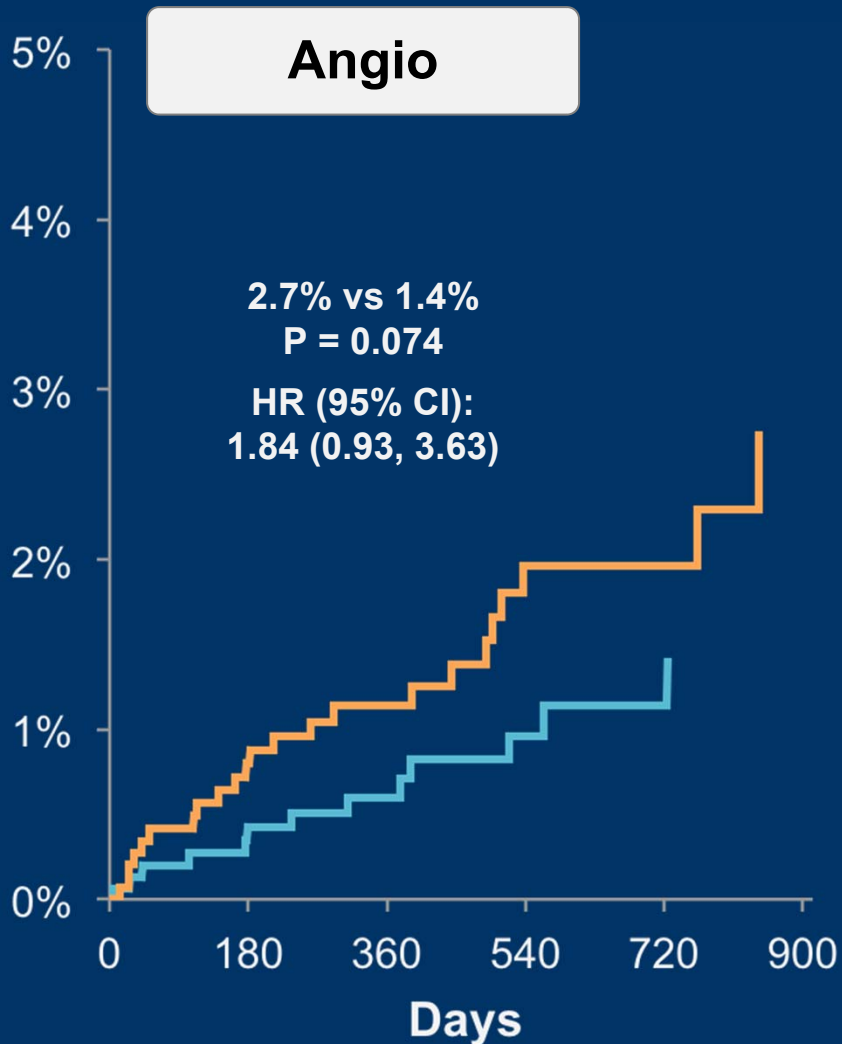
— Prasugrel — Clopidogrel



P interaction = 0.12

TIMI Major Bleeding

— Prasugrel — Clopidogrel



P interaction = 0.16



Conclusions

- Substantial differences exist among patients triaged for medical therapy with or without angiography from TRILOGY ACS.
 - Geographically, subjects from North America, Western Europe, and the Mediterranean tended to have angiography pre-randomization
 - Patients with angiography more often were enrolled with NSTEMI, and had prior history or PCI or CABG
- Patients with angiography had lower overall events rates, particularly CV death.



Conclusions

- Overall, in the TRILOGY ACS Trial **prasugrel** did not reduce cardiovascular events among patients managed medically for ACS.
- When treated with **prasugrel** compared to **clopidogrel**, patients triaged to medical therapy following angiography tended to have:
 - lower rates of the combined endpoint of CVD/MI/CVA
 - Lower rates of MI, CVA alone, and recurrent ischemic events
 - higher rates of bleeding.
- Though hypothesis generating, these results are consistent with previous trials and suggest when angiography is performed and coronary disease is confirmed, the benefits and risks of intensive antiplatelet therapy exist whether medical therapy or PCI is elected.