



Key finding

Childhood maltreatment increases the risk of chronic pain ‘all over’ as an adult. Traumatic events in adulthood further increase the risk.

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Methods

- ❑ Counterfactual analysis
- ❑ Comparing pseudo-populations: everyone maltreated vs no one maltreated
- ❑ Doubly-robust estimation
- ❑ Inverse probability weights: ethnicity & education

Data



2006-2010 Recruitment
n~500,00, 40-69 years

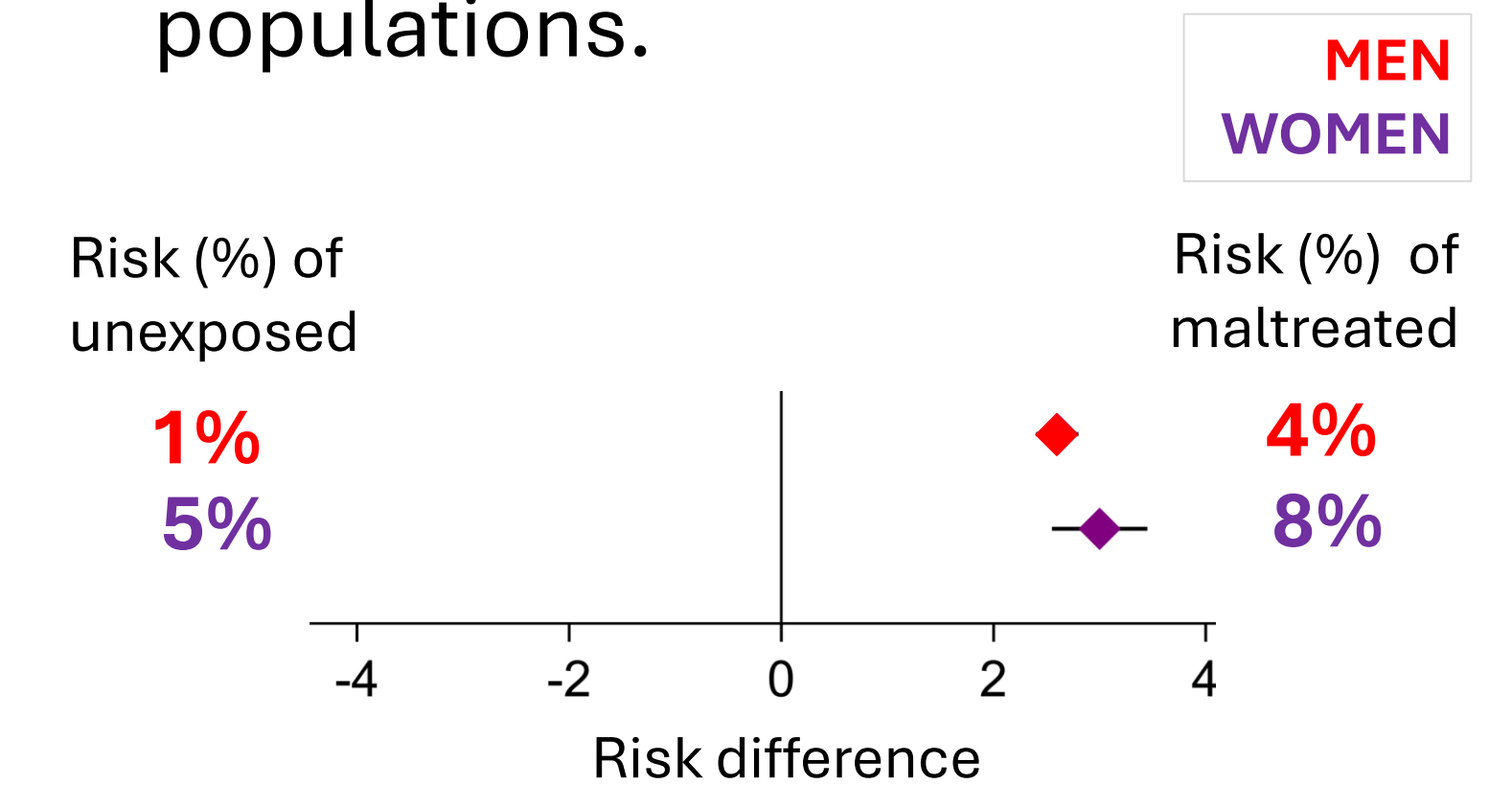
2016 online questionnaire
Childhood maltreatment:
5 questions from Childhood Trauma Screener

2019 online questionnaire
Chronic pain all over:
•Pain/discomfort for >3 months
•Pain/discomfort all over the body

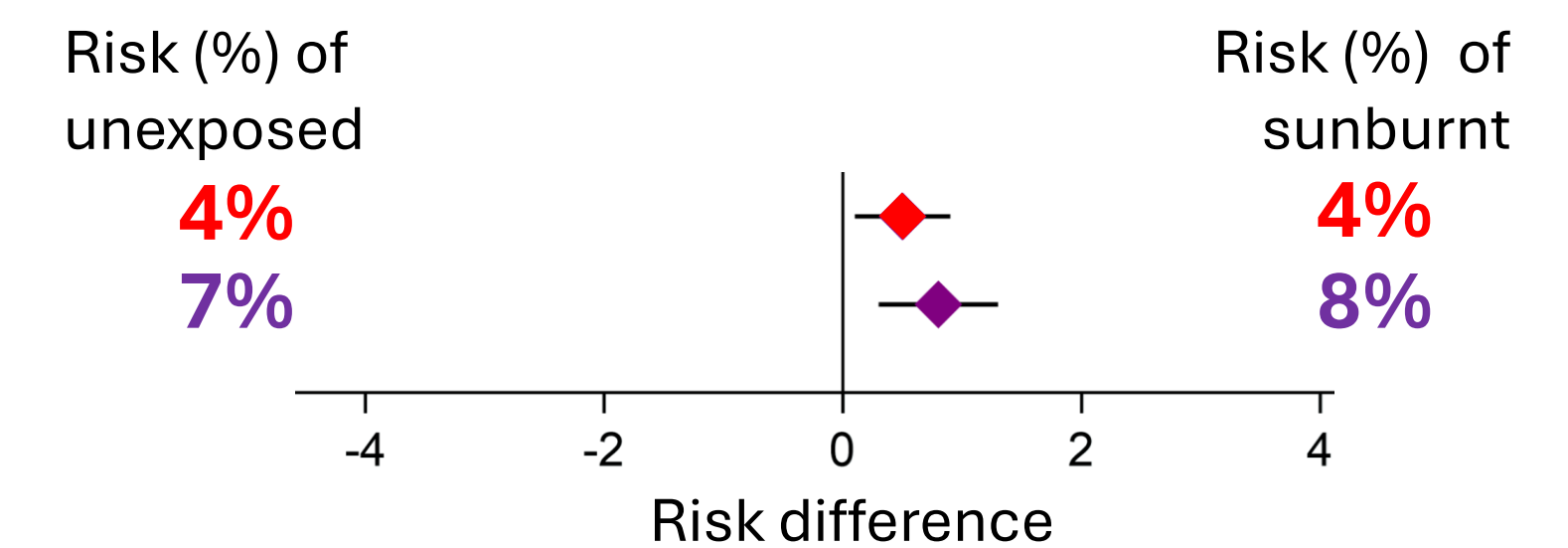
Sample (n=118,474)
57% female; 97% White
42% ≥1 type of maltreatment
Chronic pain all over:
3% men, 7% women

Key findings

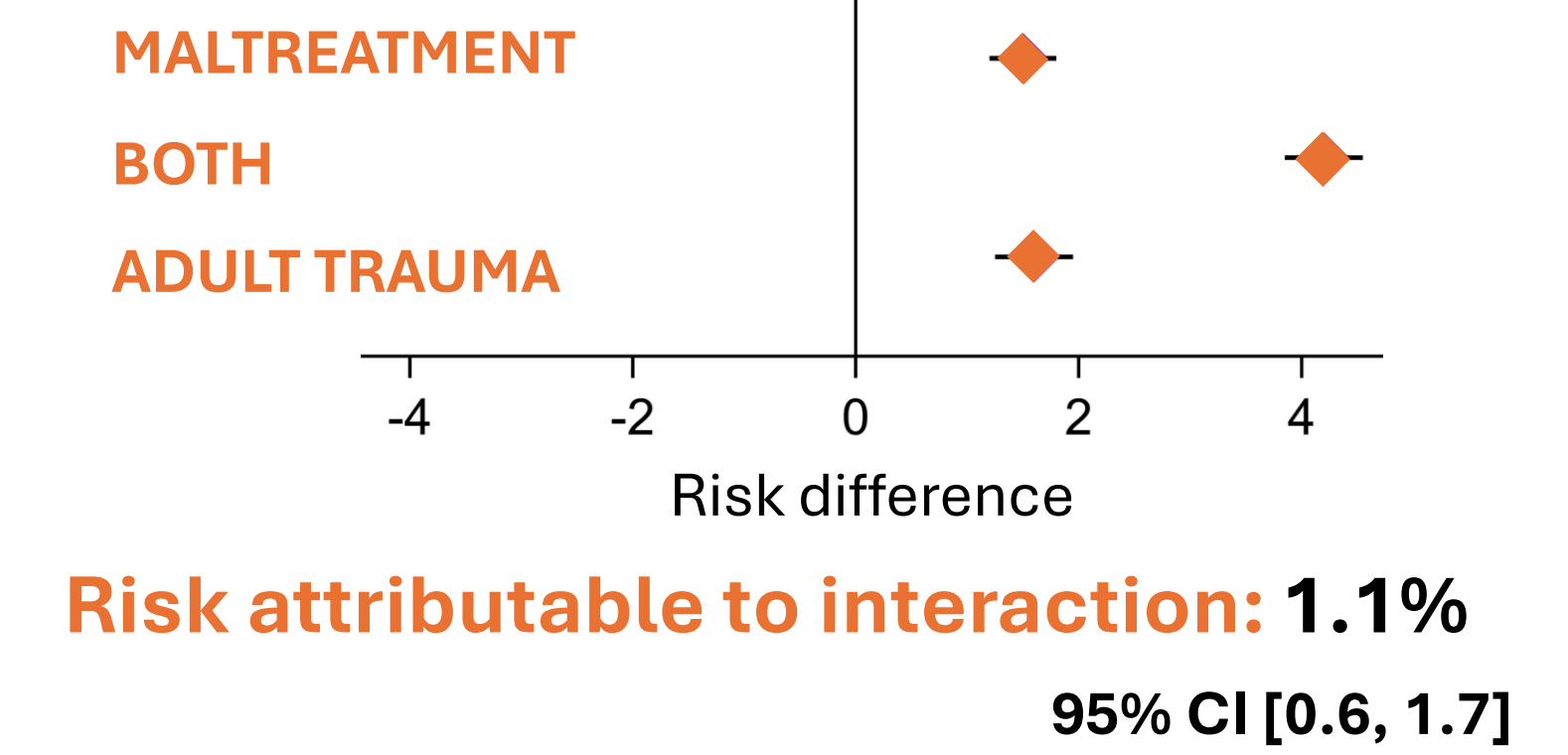
- ❑ **Higher risk of chronic pain all over in the maltreated pseudo-populations.**



- ❑ Analysis using a negative control exposure, childhood sunburn, suggests **risk differences are not just due to recall bias.**



- ❑ **Adult traumatic events also conferred higher risk and exacerbated the impact of childhood maltreatment.**



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