

ASSOCIATION BETWEEN FOOT DEFORMITIES AND AMPUTATION RISK

Karen C. Gramkow^{1,3}, Amanda E. Olesen^{1,3}, Mikkel P. Andersen², Josefine A. Darket^{1,3}, Christian T. Pedersen², Jonas A. Andersen^{1,2}, ¹North Zealand Hospital, ²Steno Diabetes Center Copenhagen, ³University of Copenhagen,

BACKGROUND

AIM

The study was designed to investigate the association between foot deformities and below ankle amputation and diabetic foot ulcer development in Danish individuals living with diabetes.

COHORT

240.000 individuals with diabetes were identified from the Danish Foot Status Database, providing identification of foot deformity from state authorized podiatrists.

DEMOGRAPHY

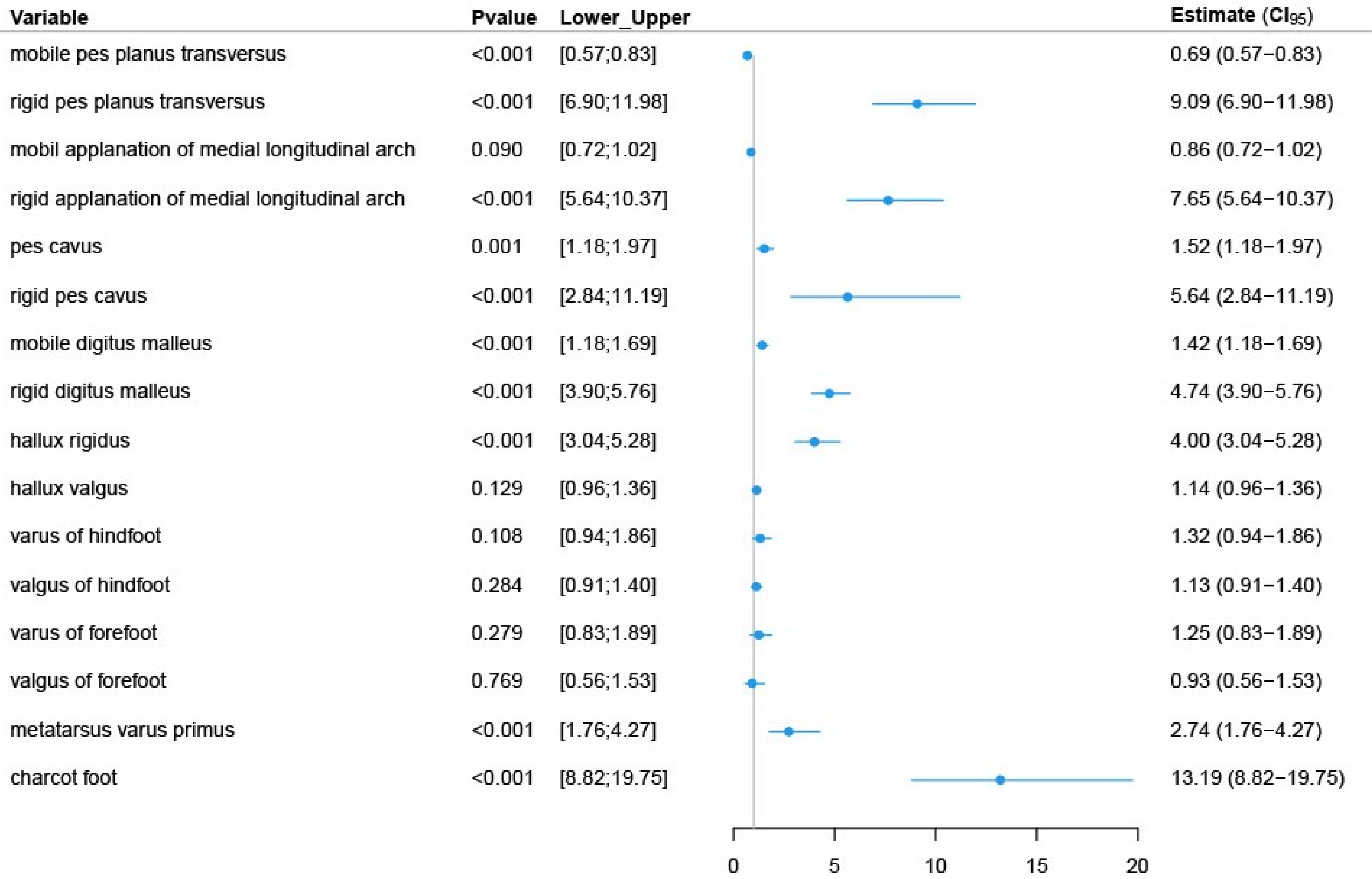
- 94% had a registered foot deformity
- Mean age: 63 years
- 47% female, 53% male

CONFOUNDERS

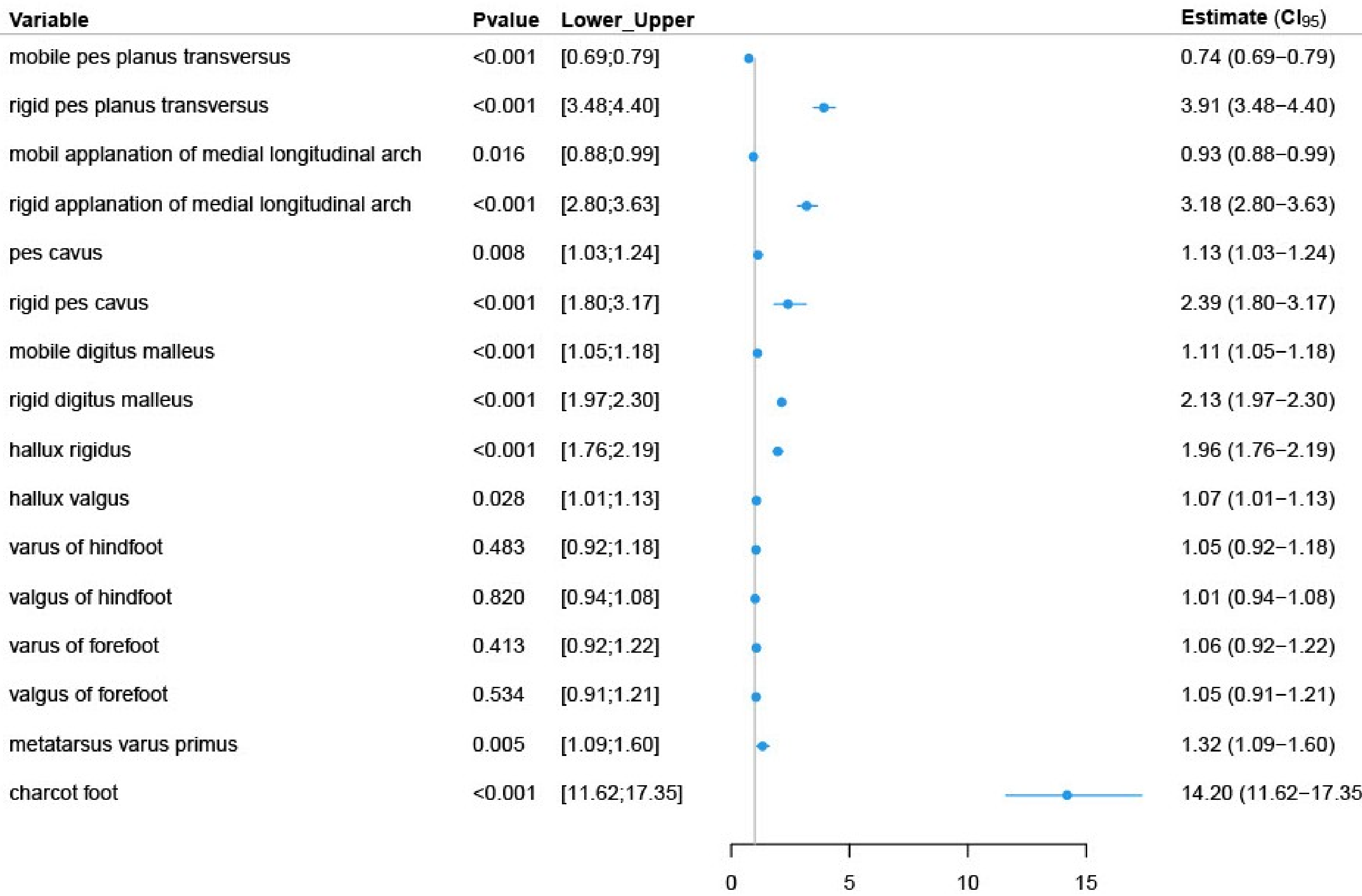


RESULTS

AMPUTATION n= 807 cases

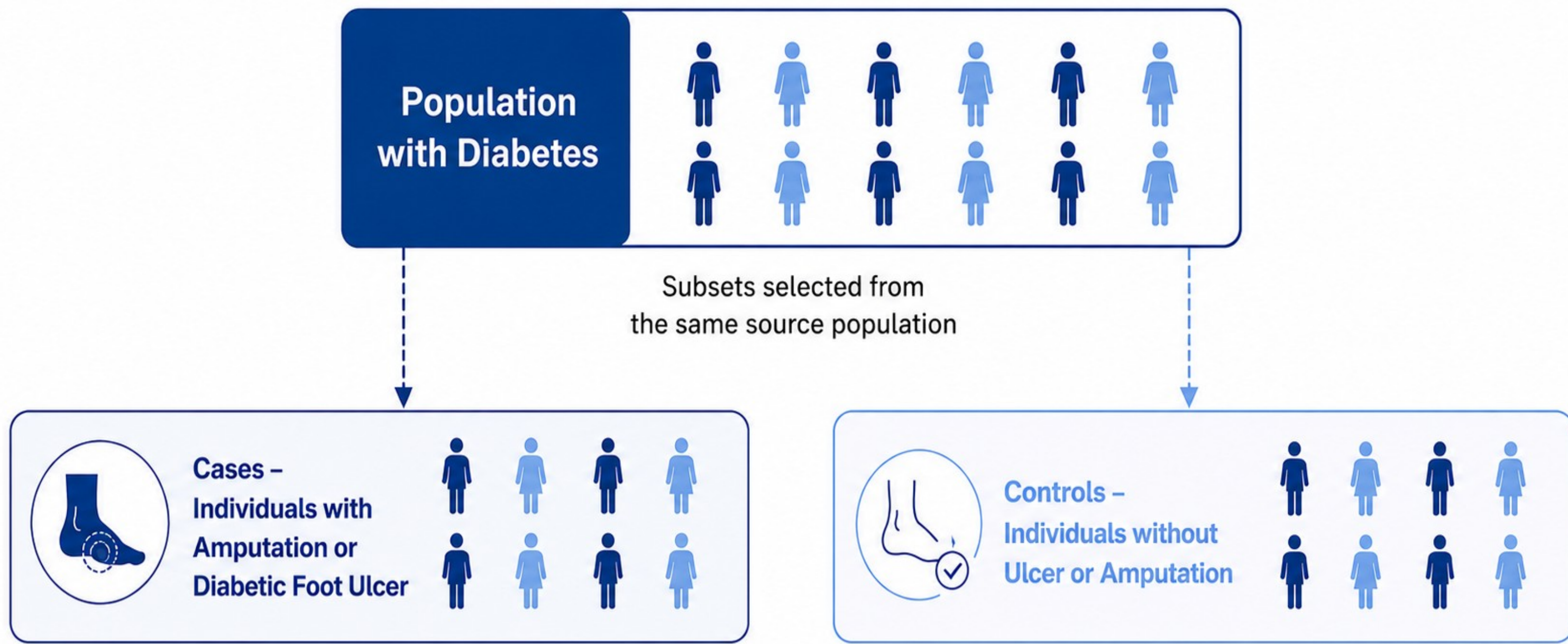


DIABETIC FOOT ULCER n= 7447 cases

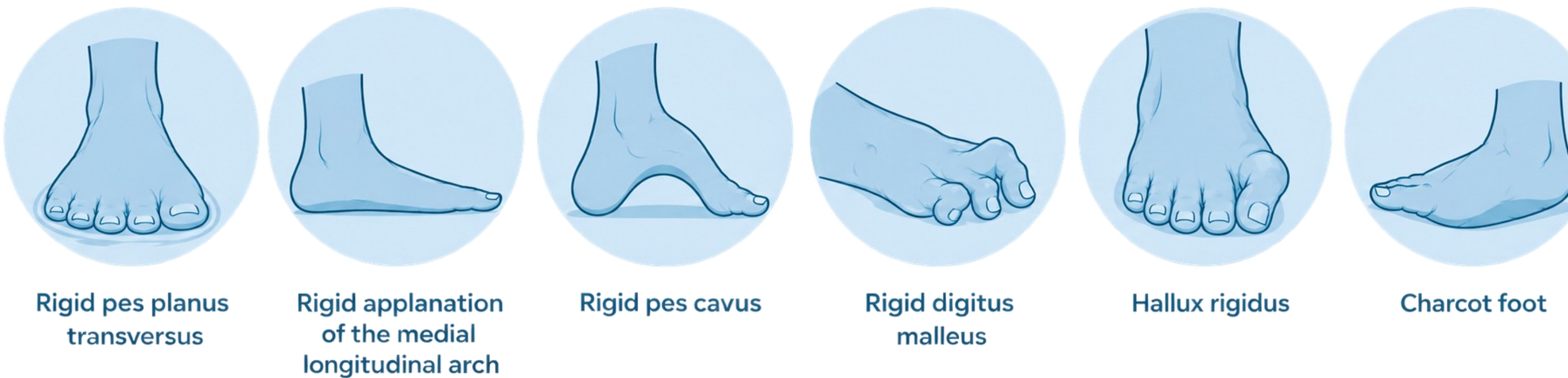


METHOD

NESTED CASE-CONTROL 1 case → 5 controls



CONCLUSION



Rigid foot deformity → Increased risk of amputation and diabetic foot ulcers

Implementation of results → Increased screening and targeted offloading