Preterm birth and asthma and COPD in adulthood: a nationwide register study from two Nordic countries

Anna Pulakka 1,2, Kari Risnes 3,4, Johanna Metsälä 1, Suvi Alenius 1,5, Katriina Heikkilä 1, Sara Marie Nilsen 3,6, Pieta Näsänen-Gilmore 1,7,8, Peija Haaramo 9, Mika Gissler 10,11,12, Signe Opdahl 13 and Eero Kajantie 1,8,13

1Population Health Unit, Finnish Institute for Health and Welfare, Helsinki, Finland. 2Research Unit of Population Health, Faculty of Medicine, University of Oulu, Oulu, Finland. 3Department of Clinical and Molecular Medicine, Norwegian University of Science and Technology, Trondheim, Norway. 4Children’s Clinic, St. Olavs University Hospital, Trondheim, Norway. 5Children’s Hospital, University of Helsinki and Helsinki University Hospital, Helsinki, Finland. 6Center for Health Care Improvement, St. Olavs University Hospital, Trondheim, Norway. 7Faculty of Medicine, and Health Technology, Tampere Center for Child, Adolescent, and Maternal Health Research: Global Health Group, Tampere University Hospital, Tampere, Finland. 8PEDEGO Research Unit, MRC Oulu, Oulu University Hospital and University of Oulu, Oulu, Finland. 9Finnish Social and Health Data Permit Authority Findata, Helsinki, Finland. 10Department of Knowledge Brokers, Finnish Institute for Health and Welfare, Helsinki, Finland. 11Academic Primary Health Care Centre, Region Stockholm, Stockholm, Sweden. 12Department of Molecular Medicine and Surgery, Karolinska Institutet, Stockholm, Sweden. 13Department of Public Health and Nursing, Norwegian University of Science and Technology, Trondheim, Norway.

Corresponding author: Anna Pulakka (anna.pulakka@thl.fi)

Shareable abstract (@ERSpublications)
In this population-based study of 2.4 million people from Finland and Norway, adults born preterm were at higher risk for asthma and COPD at ages 18–50 years. The risks were observed across all gestational ages before full term in a dose-response manner. https://bit.ly/3YqnUGe


This single-page version can be shared freely online.