

# Are Sex-Specific Reproductive Factors Associated With Risk of Lung Cancer in Different Genetic Risk Groups and Histologic Types?

## STUDY DESIGN

Evaluation from a prospective cohort from the United Kingdom Biobank (n=273,190 female patients) for **association of multiple reproductive factors** and **risk factors for developing lung cancer in female patients**

1,182 patients with lung cancer identified

- Median follow-up period of 12 years



## RESULTS

### Risk Factors Associated With Higher Risk of Lung Cancer:

#### Early menarche (age $\leq$ 11 years)

HR 1.22; 95% CI, 1.03 to 1.46

#### Early menopause (age $\leq$ 46 years)

HR 1.49; 95% CI, 1.19 to 1.86

#### Shorter reproductive span

$\leq$  32 years: HR 1.42; 95% CI, 1.18 to 1.71  
33 to 35 years: HR 1.24; 95% CI, 1.00 to 1.53

#### Early age of first birth (age $\leq$ 20 years)

HR 1.63; 95% CI, 1.33 to 2.01

In this study, early age of menopause, a shortened reproductive lifespan, and early age at first birth were associated with higher risks of lung cancer in female patients.