

Supplementary Figure Captions

Supplementary Figure S1. Scatter plot of the association of hand grip strength with pulmonary function.

A: right-hand grip strength and FVC; B: right-hand grip strength and FEV1; C: right-hand grip strength and FEV1/FVC; D: left-hand grip strength and FVC; E: left-hand grip strength and FEV1; F: left-hand grip strength and FEV1/FVC;

Each black dot indicates a SNP, plotted by the estimate of SNP on individual hand grip strength and the estimate of SNP on the risk of pulmonary function with standard error bars. The slopes of the lines correspond to causal estimates using each of the different methods.

SNP: single nucleotide polymorphism

Supplementary Figure S2. Forest plot of the association of hand grip strength with pulmonary function.

A: right-hand grip strength and FVC; B: right-hand grip strength and FEV1;

C: right-hand grip strength and FEV1/FVC; D: left-hand grip strength and FVC; E: left-hand grip strength and FEV1; F: left-hand grip strength and FEV1/FVC;

The dot and bar indicate the causal estimate of individual hand grip strength on risks of pulmonary function.

Supplementary Figure S3. Leave-one-out sensitivity analysis of the association of hand grip strength with pulmonary function.

A: right-hand grip strength and FVC; B: right-hand grip strength and FEV1; C: right-hand grip strength and FEV1/FVC; D: left-hand grip strength and FVC; E: left-hand grip strength and FEV1; F: left-hand grip strength and FEV1/FVC;

The dot and bar indicate the estimates and 95% confidence interval when the specific single nucleotide polymorphism is removed.

Supplementary Figure S4. Funnel plot of the association of hand grip strength with pulmonary function.

A: right-hand grip strength and FVC; B: right-hand grip strength and FEV1;
C: right-hand grip strength and FEV1/FVC; D: left-hand grip strength and
FVC; E: left-hand grip strength and FEV1; F: left-hand grip strength and
FEV1/FVC;

Each black dot indicates a single nucleotide polymorphism.