

**TITLE:**

**STUDY ID:**

## META-ANALYSIS / META-REGRESSION

### DATA COMPLETION FORM

#### GUIDANCE

- This questionnaire is designed to collect data on selected cardiovascular and musculoskeletal markers in clinically stable patients diagnosed with COPD measured at baseline for the outcome measures mortality, exacerbation and hospitalisation.
- For each outcome measure we are collecting the sample size, mean and standard deviation (SD), by those with and those without the event, for the variables 6MWD (six-minute walk distance), WBC (white blood cell count), log-CRP (C-reactive protein), IL-6 (interleukin-6), IL-8 (interleukin-8), fibrinogen, TNF-alpha, leukocytes, resting heart rate, QMVC (quadriceps maximal voluntary contraction) and SNIP (sniff nasal inspiratory pressure).
- Those with the event are defined as those with any number of exacerbations or hospitalisation. Those without the event are defined as those with no exacerbation or hospitalisation during the study period.
- In addition, for mortality we are collecting the unadjusted and adjusted (i.e. age, sex, BMI and smoking status) hazard ratio with 95% confidence interval (95% CI) for each variable. We will ask for which confounders you have been able to adjust for.
- If data were obtained from your publication it will already be completed but please check the values and correct if necessary. If you have not collected a particular outcome or variable please leave it blank.
- Please provide estimates in the indicated units. Also, note the preferred magnitude of effect.
- After completing please return to: [jmf88@medschl.cam.ac.uk](mailto:jmf88@medschl.cam.ac.uk)

## STUDY DETAILS

### DESIGN

*Indicate the study type*

- Cohort
- Case-control
- Other, (e.g. nested case-control or RCT): *please describe study design*

### LENGTH OF FOLLOW-UP

*Indicate the minimum length of follow-up in months*

Minimum: *months*

OUTCOME: MORTALITY												
Marker		Survivors			Non-survivors			Units used for effect measure	Unadjusted Hazard Ratio		Adjusted Hazard Ratio	
	Units	Sample size	Mean	SD	Sample size	Mean	SD		Estimate	95% CI	Estimate	95% CI
6MWD	meter	n	mean	SD	n	mean	SD	per 50 meter	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper
WBC	mc/L	n	mean	SD	n	mean	SD	mc/L	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper
log-CRP	mg/L	n	mean	SD	n	mean	SD	mg/L	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper
IL-6	pg/ml	n	mean	SD	n	mean	SD	pg/ml	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper
IL-8	pg/ml	n	mean	SD	n	mean	SD	pg/ml	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper
Fibrinogen	g/dL	n	mean	SD	n	mean	SD	g/dL	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper
TNF-alpha	pg/ml	n	mean	SD	n	mean	SD	pg/ml	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper
Leukocytes	x 10 <sup>9</sup>	n	mean	SD	n	mean	SD	x 10 <sup>9</sup>	Unadjusted	Lower –	Adjusted	Lower –

	cells/L							cells/L	ed HR	upper	HR	upper
Resting heart rate	bpm	n	mean	SD	n	mean	SD	per 10 bpm	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper
QMVC	kg	n	mean	SD	n	mean	SD	per 5 kg	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper
SNIP	cmH <sub>2</sub> O	n	mean	SD	n	mean	SD	per 10 cmH <sub>2</sub> O	Unadjusted HR	Lower – upper	Adjusted HR	Lower – upper

### ADJUSTMENT VARIABLES

Select the variables you have adjusted for in the estimation of adjusted hazard ratios

- Age
- Sex
- BMI
- Smoking status

## OUTCOME: EXACERBATION

Marker		Exacerbators			Non-exacerbators		
	Units	Sample size	Mean	SD	Sample size	Mean	SD
6MWD	meter	n	mean	SD	n	mean	SD
WBC	mc/L	n	mean	SD	n	mean	SD
log-CRP	mg/L	n	mean	SD	n	mean	SD
IL-6	pg/ml	n	mean	SD	n	mean	SD
IL-8	pg/ml	n	mean	SD	n	mean	SD
Fibrinogen	g/dL	n	mean	SD	n	mean	SD
TNF-alpha	pg/ml	n	mean	SD	n	mean	SD
Leukocytes	x 10 <sup>9</sup> cells/L	n	mean	SD	n	mean	SD
Resting heart rate	bpm	n	mean	SD	n	mean	SD
QMVC	kg	n	mean	SD	n	mean	SD
SNIP	cmH <sub>2</sub> O	n	mean	SD	n	mean	SD

## OUTCOME: HOSPITALISATION

Marker		Hospitalisation			Non-hospitalisation		
	Units	Sample size	Mean	SD	Sample size	Mean	SD
6MWD	meter	n	mean	SD	n	mean	SD
WBC	mc/L	n	mean	SD	n	mean	SD
log-CRP	mg/L	n	mean	SD	n	mean	SD
IL-6	pg/ml	n	mean	SD	n	mean	SD
IL-8	pg/ml	n	mean	SD	n	mean	SD
Fibrinogen	g/dL	n	mean	SD	n	mean	SD
TNF-alpha	pg/ml	n	mean	SD	n	mean	SD
Leukocytes	$\times 10^9$ cells/L	n	mean	SD	n	mean	SD
Resting heart rate	bpm	n	mean	SD	n	mean	SD
QMVC	kg	n	mean	SD	n	mean	SD
SNIP	cmH <sub>2</sub> O	n	mean	SD	n	mean	SD

This is the end of the data completion form. Thank you for your input! Please return the form to: [jmf88@medschl.cam.ac.uk](mailto:jmf88@medschl.cam.ac.uk)