Participant Study No						



# Theophylline With Inhaled CorticoSteroids

## CONFIDENTIAL

This study is funded by the NIHR Health Technology Assessment Programme

Date of assessr	ment	DD/MM	/ Y Y Y Y
Section A – Der	nographic informa	ation	
A1 Date of birth	D	D/MM	/
A2 Sex		Male 🔲	Female
A3 Weight (kg)			
A4 Height (cm)			
A5 Smoking status	A " <b>current smoker</b> current smoker or w weeks. An " <b>ex smo</b> given up smoking m	rho has given up w <b>oker</b> " is defined as	ithin the last 12 someone who has
A6 Age started sm	oking		
A7 If ex-smoker, a	ge stopped smoking		
A8 Average number	er of cigarettes per day	/	
A9 Identified in		Primary   care	Secondary
Section B – Pos	st-bronchodilator	ung function	
	s, SABA within 2 hours	•	•
B1 FEV <sub>1</sub> (litres)			
B2 FVC (litres)			

Sec	tion C – COPD history & cເ	irrent res	pira	tory trea	ıtm	ent		
C1	Number of exacerbations in previous treatment with antibiotics and/or of	•	•	_				
C2	Date of recovery from most recent exacerbation	MM	1	YY		Y		
C3	Number of exacerbations in previ hospitalisation	ous year red	quirir	ng				
Curr	ent treatment for COPD							
C4	Inhaled short acting beta 2 agonist			Y	es		No	
C5	Inhaled combined ICS LABA			Υ	es		No	
	If yes: name, device & strength							
	Dose		pu	ffs per day	/			
	Approximate start date	M	1	YY		YY		
C6	Inhaled short acting anti- muscarinic			Y	es		No	
C7	Inhaled ICS			Υ	es		No	
	If yes: name, device & strength							
	Dose		pu	ffs per dav	,			
	Approximate start date		1	YY		YY		
C8	Inhaled non-combination LABA			Y	es		No	
C9	Inhaled LAMA			Υ	es		No	
C10	Nebulised ipratropium	As required		Regu u	lar se		No	
C11	Nebulised short acting beta 2 agonist	As required		Regu u	lar se		No	

C12	Oral mucolytics					Yes		No	
C13	Oral leukotriene antagon	ists				Yes		No	
C14	Long-term antibiotics					Yes		No	
	If ye	s: nar	ne						
		Do	se		mg				
				7	J				
	Times	per d	ay						
Sec	tion D – Co-morbidi	ties							
	ord whether the patient haw whether they are on medic		_	sed v	with any of th	ese co	onditions	s; and	if
Со-і	morbidities					on cu	s, is the pure is condi	edicat	
D1	Asthma	Yes		No		Yes		No	
D2	Bronchiectasis	Yes		No		Yes		No	
D3	Ischaemic heart disease (MI, angina)	Yes		No		Yes		No	
D4	Hypertension (treated)	Yes		No		Yes		No	
D5	Diabetes Mellitus	Yes		No		Yes		No	
D6	Osteoporosis	Yes		No		Yes		No	
D7	Anxiety or depression treated in last 5 years	Yes		No		Yes		No	
D8	Cerebrovascular event (stroke, TIA)	Yes		No		Yes		No	

# E1 Is the patient prescribed long-term tricyclic antidepressants? E2 List all prescribed medication that the patient is currently taking. • Include any medication listed in section D or in E1 above. • Exclude any medication listed in section C above. Drug Dose Frequency

Section E – Other regular medication

	<b>Participant Study No</b>					
⊐			Twel			

Follow-up time-point:



Six

months

# Theophylline With Inhaled CorticoSteroids

Theophylline with Inhaled Corticosteroids

# CONFIDENTIAL

This study is funded by the NIHR Health Technology Assessment Programme

Dat	e of assessment	D D / M M / Y Y Y
Sec	ction A – Smoking sta	tus & weight
A1	Smoking status	Current
A2	Weight	kg
		odilator lung function hin 2 hours). If necessary, assess lung
		nistration of the participant's own SABA.
B1	FEV <sub>1</sub> (litres)	
B2	FVC (litres)	
Sec	ction C – Current treat	ment for COPD/respiratory conditions
C1	Inhaled short acting beta 2 agonist	Yes □ No □
C2	Inhaled combined ICS LA	BA Yes No
	If yes: name, device & s	trength
		Dose puffs per day
	Approximate sta	art date M M / Y Y Y
C3	Inhaled short acting anti- muscarinic	Yes □ No □

C4	Inhaled ICS				Yes	<b></b>	No	
	If yes: name, device & strength							
	Dose			puf	fs per day			
	Approximate start date	M	/	1	YY	Υ	Υ	
C5	Inhaled non-combination LABA				Yes	<b>□</b>	No	· 🗆
C6	Inhaled LAMA				Yes	· 🗆	No	· 🗆
C7	Nebulised ipratropium	require	As ed		Regula use		No	· 🗆
C8	Nebulised short acting beta 2 agonist	require	As ed		Regula use		No	· 🗆
C9	Oral mucolytics				Yes	s 🗆	No	) <b></b>
C10	Oral leukotriene antagonists				Yes	<b>□</b>	No	) <b></b>
C11	Long-term antibiotics				Yes	<b>□</b>	No	) <b></b>
	If yes: name							
	Dose			mg				
	Times per day							

Sec	ction D – Other regular medicat	ion		
<i>ls tl</i> D1	ne patient on current medication for. Asthma	Yes	П	No □
D1	Bronchiectasis	Yes		No □
D3	Ischaemic heart disease (MI, angina)	Yes		No 🗆
D4	Hypertension	Yes		No 🗆
D5	Diabetes Mellitus	Yes		No 🗖
D6	Osteoporosis	Yes		No 🗆
D7	Anxiety or depression	Yes		No 🗆
D8	Cerebrovascular event (stroke, TIA)	Yes		No 🗆
D9	Is the patient prescribed long-term tricyclic antidepressants?	Yes		No 🗖
D10	<ul> <li>List all prescribed non-respiratory module currently taking.</li> <li>Include any medication listed in second control in the control</li></ul>	ection D at	oove, a	
Dru	g	Dose		Frequency
_				

#### Section E - COPD exacerbations since last study visit? Has the participant had any exacerbations since last study visit? Yes No $\square$ If yes, how many exacerbations Describe all exacerbations below Exacerbation 1 **Approximate** date of onset: **Approximate** Not yet M date of recovery: recovered Type of Treatment: (select all that apply) Increased use Increased/ started Oral corticosteroid of SABA nebulised bronchodilator Other **Antibiotics** Oxygen If other, give details Location of Treatment: (select all that apply) Care by services to Treated at Admitted to home prevent hospitalisation hospital If yes If yes If yes Number of Number of Number of

days in

hospital

days care

provided

days treated

at home

<sup>\*</sup> USE CONTINUATION SHEET IF MORE THAN ONE EXACERBATION \*

## Section F – Emergency hospital admissions since last study visit

Other than any hospitalisations described in section E, has the patient had any <b>non- COPD</b> emergency hospital admissions last study visit?					
Yes			No 🗆		
If yes, how many a	admissions		Describe all admiss	sions below	
Admission 1 Approximate date of admission:	D D /	M M /	Y Y Y Y		
Approximate date of discharge:	D D /	M M /	YYYY	Not yet discharged	
Hospital:					
Reason:					
Admission 2 Approximate date of admission:	D D /	M M 1	YYYY		
Approximate date of discharge:	D D /	M M /	YYYY	Not yet discharged	
Hospital:					
Reason:					

\*USE CONTINUATION SHEET IF MORE THAN TWO HOSPITALISATIONS\*

## Section G – Other health service use since last study visit

Use this section to record health service use not previously recorded in sections E or F above. Please enter '0' if service has not been used

Inpatient services	Number of admissions	l otal number of inpatient days
General medical ward		
Long stay ward		
Other:		
Other:		
Out-patient services Hospital day-case admissions	Number of appointments	
Hospital out-patient appointments		
A&E – no overnight admission		
Other:		
Other:		
Primary care services Emergency GP visit	Number of appointments	
Routine GP visit		
Community/district nurse		
Hospital at home team		
Other:		
Other:		

## Section H – Adverse reactions since the last study visit?

Has the patient experienced any of the following adverse reactions to the study medication? (ie new symptoms or increase of existing symptoms)

Immunolog	ical				
H1	Anaphylactic / anaphylactoid reaction	Yes		No	
H2	Hypersensitivity	Yes		No	
Gastrointes	tinal				
H4	Nausea	Yes		No	
H5	Reflux	Yes		No	
Н6	Diarrhoea	Yes		No	
H7	Abdominal pain	Yes		No	
H8	Gastric irritation	Yes		No	
H9	Vomiting	Yes		No	
Cardiac					
H10	) Palpitations	Yes		No	
H1	1 Tachycardia	Yes		No	
Psychiatric					
H1:	2 Insomnia	Yes		No	
H1:	3 Anxiety	Yes		No	
Dermatolog	ical				
H14	1 Rash	Yes		No	
H15	5 Pruritus (itchiness)	Yes		No	
Neurologica	al				
H16	6 Tremor	Yes		No	
H13	7 Headache	Yes		No	
H18	3 Dizziness	Yes		No	
H19	9 Agitation	Yes		No	
H20	) Convulsions	Yes		No	
Other					
H2 <sup>-</sup>	1 Hyperuricaemia (acute gout)	Yes		No	
H22	2 Diuresis (increased frequency of urination)	Yes		No	
H2:	3 Urinary retention	Yes	П	No	П

H24 Any other – please give details	Yes	No 🔲
If the patient has experienced any adver meet the criteria for serious, this shou immediately.		
H25 If relevant, is the participant pregnant?	es No 🗆	N/A
Section I – Returned medication		
Did the participant return any drug bottles?	Yes	No 🔲
Drug pack number:	Number of tablets returned	
Drug pack number:	Number of tablets returned	
Drug pack number:	Number of tablets returned	
Drug pack number:	Number of tablets returned	
Drug pack number:	Number of tablets returned	
Drug pack number:	Number of tablets returned	
Drug pack number:	Number of tablets returned	
Disposal of returned medication:  Secondary care: Returned to clinical trials pharmacy *		П
Primary care: Disposed via Unused Medication Dis		H
Primary care: Taken by practice staff to local pharm	·	
Primary care: Advised patient to take them to their * certificate of destruction should be completed by clin	•	<del></del>
Section J – At 12 months only		
Has the participant spontaneously expressed interest being prescribed theophylline by their GP?	in Yes	No 🔲



Serious	<b>Adverse</b>	<b>Event</b>	<b>Form</b>
---------	----------------	--------------	-------------

Page 1

FOR TRIAL OFFICE USE ONLY REPORT NO.  DATE REPORTED TO TRIAL OFFICE  D D M M Y Y Y			END IDENTIFIABLI ITH THIS REPORT	E DATA			
Date of report D D M M Y Y Y Y							
Initial report	up report						
Participant Details							
Initials Date of Birth D D M M Y	YYY	Gender Male	Female	Unknown 🔲			
Diagnosis	Onset date	D D M	M Y Y Y	Υ			
ASSESSMENT OF THE SAE To be completed by PI or consultant grade delegate	e, who should als	so sign the page	6 of the report.				
Seriousness criteria: (tick all that apply)							
Resulted in death  Life-thr	eatening	Hospitalisation	n/Prolongation of hospita	lisation			
Persistent/Significant Disability/Incapacity  Congenital a	anomaly/ th defect	Othe	er medically important co	ndition			
Relationship to Study Drug: None	Possible	Probable	Definite				
Severity:	Mild	Moderate	Severe				
Expectedness: (complete if possibly, probably or defined to study drug; refer to expected events listed in		Expected	Unexpected				
If Resulted in Death:							
	use of Death:						
Action taken: Drug withdrawn Dose	reduced	Dose increased					
Dose not changed U	nknown 🔲	Not applicable					
Outcome: Recovered $\square$ Recovered with sequelae $\square$	Recovering	Not recovered	☐ Unknown ☐	Fatal			
Date of Recovery D D M M Y Y Y Y							



<b>Page</b>	2
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Participant Study Number				
--------------------------	--	--	--	--

Event Narrative	of the event(s) not otherwise reported on this form				
Protocol Treatment(s):					
Did the patient take any study medication? Yes □ No □ If Yes,					
Start date	D D M M Y Y Y				
Stop date	D D M M Y Y Y				
Did the subject have to	be unblinded? Yes \Box \No \Box				



On	aoina	Medical	History
UII	uomu	weulcai	HISLUI V

Provide details of ongoing medical history below. Include other illnesses present at time of event, previous study emergent adverse events, and pre-existing medical conditions (*including their COPD*). If additional space is necessary, use further copies of this page. If start or end-dates are unknown or partially known, note this – the abbreviation uk is acceptable (for example: uk or uk/2014 or uk/12/2014)

Cor	ndition	Start Date (DD/MM/YYYY)	End Date (DD/MM/YYYY)	Tick if still ongoing	Medic Requ	
1					☐ Yes	□ No
2					☐ Yes	□ No
3					☐ Yes	□ No
4					☐ Yes	□ No
5					☐ Yes	□ No
6					☐ Yes	□ No
7					☐ Yes	□ No
8					☐ Yes	□ No
9					☐ Yes	□ No
10					□ Yes	□ No



Page 4	4
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**Participant Study Number** 

~		84 1		
Concor	nitant	Medi	cation	S

Give details of all concomitant medications, including those taken prior to onset of the SAE and any being used to treat the SAE. If additional space is necessary, use further copies of this page. If start or end-dates are unknown or partially known, note this – the abbreviation uk is acceptable (for example:  $\mu k$  or  $\mu k/2014$  or  $\mu k/12/2014$ ).

	,									
Med	lication	Start Date (DD/MM/ YYYY)	End Date (DD/MM/ YYYY)	Tick if ongoing	Dose	Frequency	Route	Indications	Suspect Drug (tick)	Interaction with study drug (tick)
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										



Page	5
	_

**Participant Study Number** 

List	Relevant Tests - List only relevant confirmatory test results for event(s), for example from blood tests, diagnostic imaging. Please include normal ranges and any comments about the test or its result.							
	Test	Date (DD/MM/YYYY)	Result	Normal Range- Low	Normal Ran High	ge-	Commen	ts
1								
2								
3								
4								
5								
Red	challenge Inforr	nation						
1. Did the reaction abate after stopping suspected drug?  Unknown Yes No N/A							□ N/A	
	2. Did the reaction reappear after re-introduction of suspect drug?  Date of the reaction reappear after re-introduction of suspect of the reaction reaction reaction reaction reaction reaction reaction re-introduction reaction re-introduction						_	



Serious	<b>Adverse</b>	<b>Event</b>	Forn
---------	----------------	--------------	------

**Participant Study Number** 

<u>orm</u>			P	age	6

Primary Source	the person as	Noting this CAE	form					
Please give details of	tile person comp	neurig tris SAE	IUIIII					
Name:				Email addre	SS:			
Address:								
Telephone number	:			Fax number	:			
Qualification: Phy	ysician 🔲	Pharmacist		Other Health	Professional		Trial Team	
To be signed by the This is the person wh made, the report show	o has completed	the assessmen		page 1 of this f	orm. If the ass	sessme	ent has not yet b	een
I am the Principal Ir	nvestigator		Yes 🗆	No				
If No, pleas	se state designa	ation						
I confirm that this	is a SAE							
Name: (PRINT)								
Signature:								
Date:	D D M	MY	Υ	YY				
Comple	eted SAE form	s should be	scanne	l and emaile	d to <u>twics@</u>	abdn	.ac.uk,	
s.c.cotto	on@abdn.ac.ı	<u>ık</u> and <u>karer</u>	<u>ninnes@a</u>	<u>bdn.ac.uk</u> o	r faxed to 0	1224	43816 <del>5</del> .	
lf you do r	not receive an	acknowledg	gement, p	olease resen	d or contac	t the t	trial team.	
To be signed by the	Chief Investiga	tor or designee	e in the eve	ent of a SUSAR				
I am the Chief Inve	stigator		Yes 🗆	No				
If No, pleas	se state designa	ation						
I confirm that this	is a SUSAR							
Name: (PRINT)								
Signature:								_
Date:	D D M	MY	V	y y				

Parti	Participant Study No							
		Base	eline					
		6 mo	nths					
	1	2 mo	nths	П				



# Quality of Life Questionnaire

CONFIDENTIAL

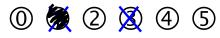
This study is funded by the NHS NIHR Health Technology Assessment Programme

#### **HOW TO FILL IN THIS QUESTIONNAIRE**

Most questions can be answered by putting a cross in the appropriate circle or box. Please print your answers carefully within the boxes like this:

0	2	3	4	(5)		OR	.х

If you make a mistake, shade out the wrong box completely and mark the correct one like this



Eg if you ticked "1" but meant to tick "3"

Please try to complete the whole questionnaire.

There are no right or wrong answers.

You do not have to answer any question if you do not want to.

Thank you for your help.

# Section A – The COPD Assessment Test (CAT)

For each item below, please mark (X) in the box that best describes you currently. Be sure to select one response for each question.

 $0 \times 2 \times 4 \times 5$ **Example** I am very happy I am very sad 0 1 2 3 4 5 I cough all the time A1 I never cough A2 I have no phlegm My chest is completely (0) (1) (2) (3) (4) (5) (mucus) in my chest at full of phlegm (mucus) all My chest feels very A3 My chest does not feel 0 1 2 3 4 5 tight at all tight A4 When I walk up a hill or When I walk up a hill or 0 1 2 3 4 one flight of stairs I am one flight of stairs I am not breathless very breathless A5 I am not limited in I am very limited doing 0 1 2 3 4 5 doing any activities at activities at home home I am not at all confident A6 I am confident leaving leaving my home 0 1 2 3 4 5 my home despite my because of my lung lung condition condition I don't sleep soundly 0 1 2 3 4 5 A7 I sleep soundly because of my lung condition A8 I have lots of energy I have no energy at all

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# **Section C – Breathlessness**

Please mark (X) the box that best describes your degree of breathlessness related to activities.

Degree of breathlessness related to activities	
Not troubled by breathlessness except on strenuous exercise	
Short of breath when hurrying or walking up a slight hill	
Walks slower than contemporaries on level ground because of breathlessness, or has to stop for breath when walking at own pace	
Stops for breath after walking about 100 metres or after a few minutes on level ground	
Too breathless to leave the house, or breathless when dressing or undressing	
Section D – Date	
Please write in the date that you completed this questionnaire:	

# THANK YOU FOR YOUR HELP IN COMPLETING THIS QUESTIONNAIRE

Once you have completed the questionnaire, please give it back to the research nurse, or return it in the pre-paid envelope provided to the following address:

TWICS Trial Office
Centre for Healthcare Randomised Trials (CHaRT)
Health Services Research Unit
3rd floor, Health Sciences Building
Foresterhill, Aberdeen AB25 2ZD

Tel: 01224 438193 or 01224 438178 Fax: 01224 438165 twics@abdn.ac.uk

Participant Study Number					



# Follow-up questionnaire Side effects and exacerbations (flare-ups)

# **CONFIDENTIAL**

This study is funded by the NHS NIHR Health Technology Assessment Programme

Please try to complete the whole questionnaire.				
There are no right or wrong answer	'S.			
You do not have to answer any question if you d	o not wan	t to.		
Thoule you for your hole				
Thank you for your help.				
1. Since we were last in contact with you (on				
1. Since we were last in contact with you (on)	$_{ m Yes}\square$	No $\square$		
have you experienced any side-effects of the study tablets?	163	110		
If was places describe these side affects				
If yes, please describe these side effects:				
Control of the Manager House Control of the Control				
Can we contact you to discuss these side-effects?	Ves	No $\square$		

2. Since we were last in contact with you (on) have you experienced any exacerbations, or flare-ups of your  Yes  No  No							
If yes, please tell us about each exacerbation. We would like to know how long it lasted, what treatment you had, and whether you needed to go into hospital or had care at home from a community team (eg COPD nurse) to prevent hospitalisation.							
Exacerbation 1 What date did the exacerbation start? What date did you recover from the exacerbation?							
What treatme Antibiotics	ent did you recei Oral steroids	<b>ve for the ex</b> o Oxygen	acerbation?		ick all that a		Other
	(prednisolone)	Oxygen	of inhale		nebulise		
Did you have to go into hospital for your exacerbation?  Yes for days No					No 🗖		
Did you have care at home from a community team (eg COPD nurse) to try and prevent hospitalisation?					№ □		
Exacerbation	n 2						
What date dia				<del>-</del>	ou recover		
exacerbation s	start?		from th	e exacerl	pation?		
What treatment did you receive for the exacerbation? (please tick all that apply)  Antibiotics Oral steroids Oxygen Increased use Started or increased use of Other (prednisolone) of inhaler nebuliser							
Did you have t exacerbation?	to go into hospit	tal for your		Yes□	for	days	No 🗖
Did you have care at home from a community team (eg COPD nurse) to try and prevent hospitalisation?				Yes□	for	days	No 🗖

Exacerbation What date did exacerbation s	I the start?	ve for the exc	from the ex	did you recover acerbation? ase tick all that o	ipply)	
Antibiotics	Oral steroids (prednisolone)	Oxygen 	Increased use of inhaler	Started or increa		Other 
Did you have texacerbation?	to go into hospit	tal for your	Yes	for	days <sup>1</sup>	No 🗖
<del>-</del>	care at home frose) to try and pro		· · · · · · · · · · · · · · · · · · ·	for	days <sup>N</sup>	No 🗖
Exacerbation 4 What date did the exacerbation start? What date did you recover from the exacerbation?						
What treatment did you receive for the exacerbation? (please tick all that apply)						
Antibiotics	Oral steroids (prednisolone)	Oxygen	Increased use of inhaler	Started or increa		Other
Did you have to go into hospital for your exacerbation?  Yes for days No						
Did you have care at home from a community team (eg COPD nurse) to try and prevent hospitalisation?  Yes I for days No I						

## Thank you for completing this questionnaire

Part	пстра	ant S	stuay	/ No
5 " -				
Baseline				
6 months $\square$				
	12	mon	ths	



# Theophylline With Inhaled Corticosteroids

# **QUESTIONNAIRE**

# **CONFIDENTIAL**

This study is funded by the NHS NIHR Health Technology Assessment Programme

#### **HOW TO FILL IN THIS QUESTIONNAIRE**

Please circle the appropriate response for each question. Use 0 to indicate no problem and 5 to indicate severe/frequent problem

Coughing	0	1	2	3	4	5	

If you make a mistake, shade out the wrong box completely and mark the correct one like this

Coughing	0	8	2	3	4	5	
----------	---	---	---	---	---	---	--

Eg if you ticked "1" but meant to tick "3"

Please try to complete the whole questionnaire.

There are no right or wrong answers.

You do not have to answer any question if you do not want to.

Thank you for your help.

## Please circle the most appropriate response for each question

Within the last MONTH, how did the fo	ollowing p	roblen	ns affe	ct you	?	
	0 = no problem					5= severe/ frequent problem
Hoarseness or a problem with your voice	0	1	2	3	4	5
Clearing your throat	0	1	2	3	4	5
The feeling of something dripping down the back of your nose or throat	0	1	2	3	4	5
Retching or vomiting when you cough	0	1	2	3	4	5
Cough on first lying down or bending over	0	1	2	3	4	5
Chest tightness or wheeze when coughing	0	1	2	3	4	5
Heartburn, indigestion, stomach acid coming up (or do you take medications for this, if yes score 5)	0	1	2	3	4	5
A tickle in your throat, or a lump in your throat	0	1	2	3	4	5
Cough with eating (during or soon after meals)	0	1	2	3	4	5
Cough with certain foods	0	1	2	3	4	5
Cough when you get out of bed in the morning	0	1	2	3	4	5
Cough brought on by singing or speaking (for example, on the telephone)	0	1	2	3	4	5
Coughing more when awake rather than asleep	0	1	2	3	4	5
A strange taste in your mouth	0	1	2	3	4	5

Please write in the date that you	
completed this questionnaire:	

# THANK YOU FOR YOUR HELP IN COMPLETING THIS QUESTIONNAIRE

Once you have completed the questionnaire, please give it back to the research nurse, or return it in the pre-paid envelope provided to the following address:

TWICS Trial Office
Centre for Healthcare Randomised Trials (CHaRT)
Health Services Research Unit
3rd floor, Health Sciences Building
Foresterhill, Aberdeen AB25 2ZD

Tel: 01224 438193 or 01224 438178 Fax: 01224 438165 twics@abdn.ac.uk