Appendix 3-TABLE 1: SERIAL (AND) STRATEGIES (sensitivity)

Comparing each **combination** (questionnaire & lung function test) against the **lung function test alone**

Strategies	Peak flow	Microspirometry
CAPTURE + peak flow	-25.5 (-30.5,-20.5; <0.0001)	
CDQ + peak flow	-22.8 (-27.6,-18.0; <0.0001)	
C-SBQ + peak flow	-17.4 (-21.8,-13.0; <0.0001)	
COPD-SQ + peak flow	-22.5 (-27.3,-17.7; <0.0001)	
CAPTURE + microspirometry		-27.0 (-32.1,-22.0; <0.0001)
CDQ + microspirometry		-23.4 (-28.3, -18.6; <0.0001)
C-SBQ + microspirometry		-18.3 (-22.8,-13.9; <0.0001)
COPD-SQ + microspirometry		-23.4 (-28.3,-18.6; <0.0001)

Note: Values indicate the difference in sensitivity (with 95% CI & p values), comparing strategies in the column against strategies in the row. For example, sensitivity for CAPTURE + peak flow is 25.5% lower than for peak flow (95%CI -30.5, -20.5; <0.0001).

Supplemental material

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Appendix 3-TABLE 2: SERIAL (AND) STRATEGIES (specificity)

Comparing each **combination** (questionnaire & lung function test) against the **lung function test alone**

Strategies	Peak flow	Microspirometry
CAPTURE + peak flow	11.1 (9.7, 12.5; <0.0001)	
CDQ + peak flow	10.0 (8.7, 11.4; <0.0001)	
C-SBQ + peak flow	8.7 (7.5, 10.0; <0.0001)	
COPD-SQ + peak flow	9.8 (8.5, 11.2; <0.0001)	
CAPTURE + microspirometry		6.4 (5.3, 7.5; <0.0001)
CDQ + microspirometry		6.3 (5.3, 7.4; <0.0001)
C-SBQ + microspirometry		6.2 (5.1, 7.2; <0.0001)
COPD-SQ + microspirometry		6.7 (5.6, 7.8; <0.0001)

Note: Values indicate the difference in specificity (with 95% CI & p values), comparing strategies in the column against strategies in the row. For example, specificity for CAPTURE + peak flow is 11.1% higher than for peak flow (95%CI 9.7, 12.5; <0.0001).

Appendix 3-TABLE 3: SERIAL (AND) STRATEGIES (sensitivity)

Comparing each **combination** (questionnaire & lung function test) against the **questionnaire alone**

Strategies	CAPTURE	CDQ	C-SBQ	COPD-SQ
CAPTURE + peak flow	-9.9 (-13.4, -6.4; <0.0001)			
CAPTURE + microspirometry	-13.8 (-17.8, -9.8; <0.0001)			
CDQ + peak flow		-10.5 (-14.1, -6.9; <0.0001)		
CDQ + microspirometry		-13.5 (-17.5, -9.5; <0.0001)		
C-SBQ + peak flow			-13.2 (-17.2, -9.3; <0.0001)	
C-SBQ + microspirometry			-16.5 (-20.8, -12.2; <0.0001)	
COPD-SQ + peak flow				-10.5 (-14.1, -6.9; <0.0001)
COPD-SQ + microspirometry				-13.8 (-17.8, 9.8; <0.0001)

Note: Values indicate the difference in sensitivity (with 95% CI & p values), comparing strategies in the column against strategies in the row. For example, sensitivity for CAPTURE is 3.3% lower than for CDQ (95%CI -9.6, 2.9; 0.3245).

Appendix 3-TABLE 4: SERIAL (AND) STRATEGIES (specificity)

Comparing each **combination** (questionnaire & lung function test) against the **questionnaire alone**

	CAPTURE	CDQ	C-SBQ	COPD-SQ
CAPTURE + peak flow	23.4 (21.6,25.3; <0.0001)			
CAPTURE + microspirometry	25.9 (24.0,27.8; <0.0001)			
CDQ + peak flow		14.0 (12.4, 15.5; <0.0001)		
CDQ + microspirometry		17.4 (15.8, 19.1; <0.0001)		
C-SBQ + peak flow			17.1 (15.4, 18.7; <0.0001)	
C-SBQ + microspirometry			21.7 (19.9, 23.5; <0.0001)	
COPD-SQ + peak flow				15.1 (13.5, 16.7; <0.0001)
COPD-SQ + microspirometry				19.1 (17.4, 20.8; <0.0001)

Note: Values indicate the difference in specificity (with 95% CI & p values), comparing strategies in the column against strategies in the row. For example, specificity for CAPTURE + peak flow is 23.4% higher than for CAPTURE (95%CI 21.6, 25.3; <0.0001).

Appendix 3-TABLE 5: PARALLEL (OR) STRATEGIES (sensitivity)

Comparing each **combination** (questionnaire & lung function test) against the **lung function test alone**

	Peak flow	Microspirometry
CAPTURE + peak flow	9.9 (6.4, 13.4; <0.0001)	
CDQ + peak flow	10.5 (6.9, 14.1; <0.0001)	
C-SBQ + peak flow	13.2 (9.3, 17.2; <0.0001)	
COPD-SQ + peak flow	10.5 (6.9, 14.1; <0.0001)	
CAPTURE + microspirometry		13.8 (9.8, 17.8; <0.0001)
CDQ + microspirometry		13.5 (9.5, 17.5; <0.0001)
C-SBQ + microspirometry		16.5 (12.2, 20.8; <0.0001)
COPD-SQ + microspirometry		13.8 (9.8, 17.8; <0.0001)

Note: Values indicate the difference in sensitivity (with 95% CI & p values), comparing strategies in the column against index tests in the row. For example, sensitivity for CAPTURE + peak flow is 9.9% higher than for peak flow (95%CI 6.4, 13.4; <0.0001).

Appendix 3-TABLE 6: PARALLEL (OR) STRATEGIES (specificity)

Comparing each **combination** (questionnaire & lung function test) against the **lung function test alone**

	Peak flow	Microspirometry
CAPTURE + peak flow	-23.4 (-25.3, -21.6; <0.0001)	
CDQ + peak flow	-14.0 (-15.5, -12.4; <0.0001)	
C-SBQ + peak flow	-17.1 (-18.7, -15.4; <0.0001)	
COPD-SQ + peak flow	-15.1 (-16.7, -13.5; <0.0001)	
CAPTURE + microspirometry		-25.9 (-27.8, -24.0; <0.0001)
CDQ + microspirometry		-17.4 (-19.1,-15.8; <0.0001)
C-SBQ + microspirometry		-21.7 (-23.5, -19.9; <0.0001)
COPD-SQ + microspirometry		-19.1 (-20.8, -17.4; <0.0001)

Note: Values indicate the difference in specificity (with 95% CI & p values), comparing strategies in the column against strategies in the row. For example, specificity for CAPTURE + peak flow is 23.4% lower than for peak flow (95%CI -25.3, -21.6; <0.0001).

Appendix 3-TABLE 7: PARALLEL (OR) STRATEGIES (sensitivity)

Comparing each **combination** (questionnaire & lung function test) against the **questionnaire alone**

Strategies	CAPTURE	CDQ	C-SBQ	COPD-SQ
CAPTURE + peak flow	25.5 (20.5, 30.5; <0.0001)			
CAPTURE + microspirometry	27.0 (22.0, 32.1; <0.0001)			
CDQ + peak flow		22.8 (18.1, 27.6; <0.0001)		
CDQ + microspirometry		23.4 (18.6, 28.3; <0.0001)		
C-SBQ + peak flow			17.4 (13.0, 21.8; <0.0001)	
C-SBQ + microspirometry			18.3 (13.9, 22.8; <0.0001)	
COPD-SQ + peak flow				22.5 (17.7, 27.3; <0.0001)
COPD-SQ + microspirometry				23.4 (18.6, .28.3; <0.0001)

Note: Values indicate the difference in sensitivity (with 95% CI & p values), comparing strategies tests in the column against strategies in the row. For example, sensitivity for CAPTURE + peak flow is 25.5% higher than for CAPTURE (95%CI 20.5, 30.5; <0.0001).

Appendix 3-TABLE 8: PARALLEL (OR) STRATEGIES (specificity)

Comparing each **combination** (questionnaire & lung function test) against the **questionnaire alone**

	CAPTURE	CDQ	C-SBQ	COPD-SQ
CAPTURE + peak flow	-11.1 (-12.5,-9.7; <0.0001)			
CAPTURE + microspirometry	-6.4 (-7.5, -5.3; <0.0001)			
CDQ + peak flow		-10.0 (-11.4,-8.7; <0.0001)		
CDQ + microspirometry		-6.3 (-7.4, -5.3; <0.0001)		
C-SBQ + peak flow			-8.7 (-10.0, -7.5; <0.0001)	
C-SBQ + microspirometry			-6.2 (-7.2, -5.1; <0.0001)	
COPD-SQ + peak flow				-9.8 (-11.2, -8.5; <0.0001)
COPD-SQ + microspirometry				-6.7 (-7.8, -5.6; <0.0001)

Note: Values indicate the difference in specificity (with 95% CI & p values), comparing strategies in the column against index tests in the row. For example, specificity for CAPTURE + peak flow is 11.1% lower than for CAPTURE (95%CI -12.5, -9.7; <0.0001).