

Online Supplement

Supplementary Table E1. Delphi panel members

<i>Member</i>	<i>Primary area(s) of expertise</i>	<i>Country</i>
<i>Alvaro Aranda</i>	Specialist	Puerto Rico
<i>Ku-Lang Chang</i>	Primary care	USA
<i>Chester Fox</i>	Primary care	USA
<i>Gokul Gopalan</i>	Research	USA
<i>MeiLan Han</i>	Specialist	USA
<i>Alan Kaplan</i>	Primary care, specialist	Canada
<i>Janwillem Kocks</i>	Research, primary care	Netherlands
<i>Catherine Mahle</i>	Research	USA
<i>Barry Make</i>	Specialist	USA
<i>Wilson Pace</i>	Research, primary care	USA
<i>David Price</i>	Research, primary care	UK/Singapore
<i>Neil Skolnik</i>	Primary care	USA
<i>Barbara Yawn</i>	Research, primary care	USA

Supplementary Table E2 APEX COPD registry Operational Management Group

<i>Member</i>	
<i>Victoria Carter</i>	Operational lead
<i>Chelsea Edwards</i>	Research lead
<i>Gokul Gopalan</i>	Steering committee member
<i>Janwillem Kocks</i>	Steering committee member
<i>Wilson Pace</i>	Steering committee member
<i>David Price</i>	Steering committee member
<i>Barbara Yawn</i>	Steering committee member

Supplementary Table E3. Categorization of potential APEX COPD registry variables

Category	Number of variables listed
Demographics	6
Disease monitoring	
COPD diagnosis	4
Differential diagnosis	1
Respiratory infections	2
Exacerbations	2
Symptoms	8
Health status (quality of life)	3
Physiological measurements	32
GOLD categorization	2
Risk factors	13
Differential diagnoses	22
Co-morbidities	17
Treatment	
Bronchodilators	4
Steroids	2
Combinations	5
Inhaler management	5
Co-morbidity treatments	4
Other treatments	8
Treatment side effects	9
Smoking	5
Vaccinations	2
Smoking cessation	7
Education & self-management	6
Surgery	6
Specialist referral	10
Other therapies	4
Total	189

Supplementary Table E4. Delphi Round 1 results summary

R1 variable summary	Number	Consensus criteria	Remarks
Potential variables			
Total number of variables	189		
Consensus to keep	149	>66%	All variables entered in R2 with additional recommendations.
Undecided	25	50-66%	
Recommendation to exclude	15	<50%	
Recommendation to add	6		

Supplementary Table E5. Delphi Round 2 results summary

R2 variable summary	Number	Consensus criteria	Remarks
All potential variables			
Part A: Keep, undecided or exclude			
Total number of variables	195		
Consensus to keep	170	≥66%	Included in final core variable list <i>if consensus was reached for collection by EHR, patient reported information outcomes, or at the point of care.</i>
Undecided	20	40-65%	Included in R3 at the discretion of the Operational Management Group*
Consensus to exclude	5	<40%	Excluded from final core variable list
Part B: from which data source – EHR, PRI/PRO or PoC?			
Potential variables for collection from EHR			
Total number of variables	170		
Consensus to keep	115	≥66%	Included in final core variable list
Undecided	48	40-65%	Entered into R3
Consensus to exclude	7	<40%	Excluded from final core variable list
Potential variables for collection as patient reported and information and outcomes			
Total number of variables	170		
Consensus to keep	16	≥66%	Included in final core variable list
Undecided	57	40-65%	Entered in R3
Consensus to exclude	97	<40%	Excluded from final core variable list
Potential variables for collection at the point of care			
Total number of variables	170		
Consensus to keep	0	≥66%	Included in final core variable list
Undecided	9	40-65%	Entered in R3
Consensus to exclude	161	<40%	Excluded from final core variable list**

*4 undecided variables were included in R3 for collection as patient reported information and outcomes, remaining variables were excluded from the final core variable list.

**With the exception of one variable, included in R3 at the discretion of the APEX COPD registry
Operational Management Group (**Table E2**).

Supplementary Table E6. Delphi Round 3 results summary

R3 variable summary	Number	Consensus criteria	Remarks
Remain potential variables for collection as patient reported and information and outcomes			
Total number of variables	61		
Consensus to keep	13	≥66%	Included in the final core variable list
Undecided	27	40-65%	Included in the final core variable list at the discretion of the Operational Management Group*
Consensus to exclude	21	<40%	Excluded from final core variable list
Remaining potential variables for collection at the point of care			
Total number of variables	10		
Consensus to keep	2	≥66%	Included in the final core variable list
Undecided	3	40-65%	Included in the final core variable list at the discretion of the Operational Management Group**
Consensus to exclude	5	<40%	Excluded from final core variable list

*4 undecided variables were included the final core variable list.

**All undecided variables were included the final core variable list.