

Online Supplement
Relationship Between Tobacco Product Use and Health-Related Quality of Life Among Individuals With COPD in Waves 1–5 (2013–2019) of the Population Assessment of Tobacco and Health Study

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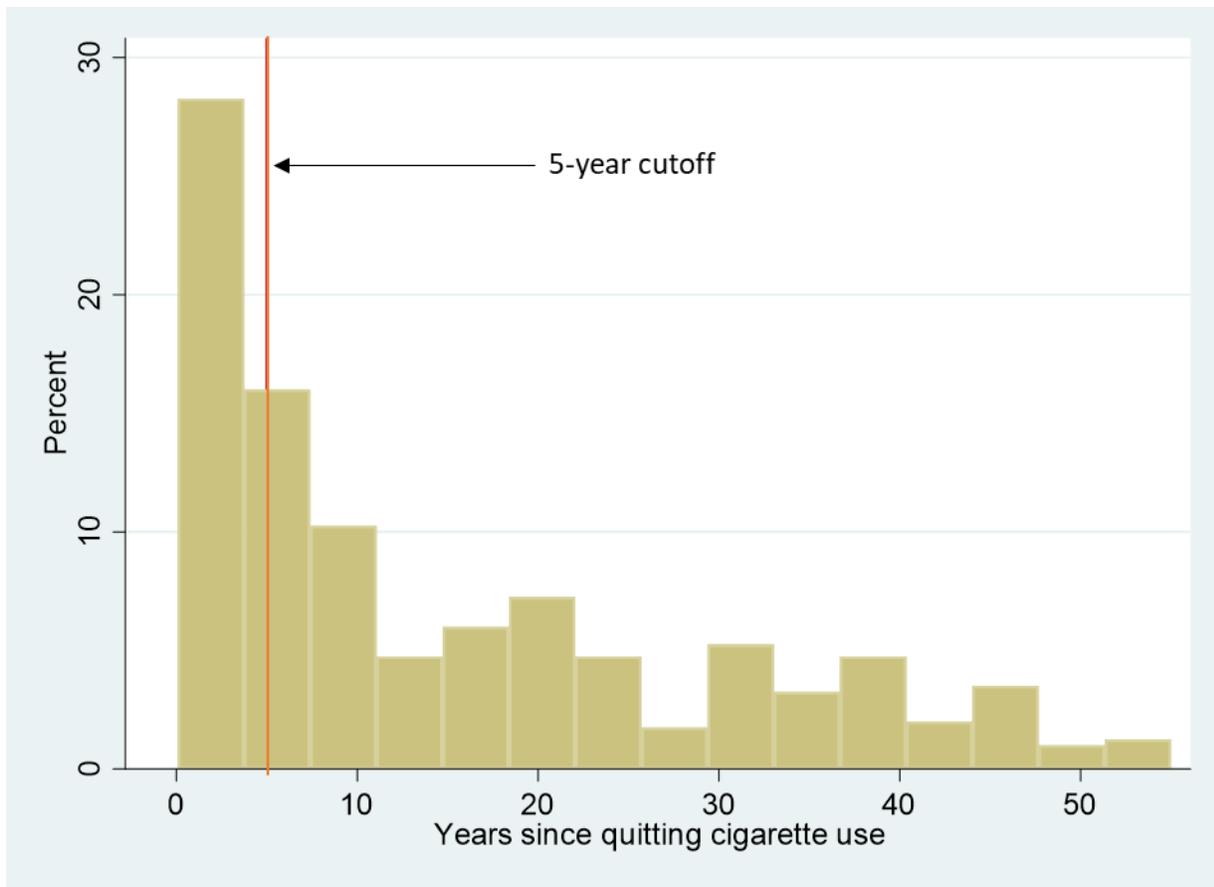
Supplemental Table 1. Patient-Reported Outcomes Measurement Information System (PROMIS) questions asked in the PATH Study.^a

Subscale	Questions	Scoring
Physical health subscale	In general, how would you rate your physical health?	1 = Excellent 2 = Very Good 3 = Good 4 = Fair 5 = Poor (Reverse coded)
	In the past 7 days, how would you rate your pain on average on a scale from 0 to 10 where 0 is no pain and 10 is the worst pain imaginable?	0 No pain 1 2 3 4 5 6 7 8 9 10 Worst pain imaginable (Reverse coded and rescaled from 1-5)
	In the past 7 days, how would you rate your fatigue on average? By fatigue, we mean feeling unrested or overly tired during the day, no matter how many hours of sleep you've had.	1 = None 2 = Mild 3 = Moderate 4 = Severe 5 = Very severe (Revered coded)
	To what extent are you able to carry out your everyday physical activities such as walking, climbing stairs, carrying groceries, or moving a chair?	1 = Completely 2 = Mostly 3 = Moderately 4 = A little 5 = Not at all (Reverse coded)
Mental health subscale	In general, how would you rate your mental health, which includes stress, depression, and problems with emotions?	1 = Excellent 2 = Very Good 3 = Good 4 = Fair 5 = Poor (Reverse coded)
	In general, would you say your quality of life is...	1 = Excellent 2 = Very Good 3 = Good 4 = Fair 5 = Poor

Subscale	Questions	Scoring
		(Reverse coded)
	In general, how satisfied are you with your social activities and relationships?	1 = Extremely satisfied 2 = Very satisfied 3 = Moderately satisfied 4 = A little satisfied 5 = Not at all satisfied (Reverse coded)
	In the past 7 days, how often have you been bothered by emotional problems such as feeling anxious, depressed, or irritable?	1 = Never 2 = Rarely 3 = Sometimes 4 = Often 5 = Very often (Reverse coded)
Global health questions	In general, would you say your overall health is...	1 = Excellent 2 = Very Good 3 = Good 4 = Fair 5 = Poor (Reverse coded)
	In general, please rate how well you carry out your usual social activities and roles. (This includes activities at home, at work and in your community, and responsibilities as a parent, child, spouse, employee, friend, etc.)	1 = Excellent 2 = Very Good 3 = Good 4 = Fair 5 = Poor (Reverse coded)

^aThe physical health and mental health PROMIS scales are each scored from 4-20, global health questions are scored from 2-10, and the overall health and social health individual items are each scored 1-5. Items were reverse coded so that higher scores indicate better health. PROMIS scales were used to measure HRQOL.

Supplemental Figure 1. Years since quitting cigarette use among adult (aged ≥ 40 years with ever COPD^a) former established tobacco users^b, used to create a dichotomous long-term/short-term cutoff of 5 years in the PATH Study, Cohort 4 at Wave 5.



^a COPD= Chronic Obstructive Pulmonary Disease, defined as self-report of emphysema, chronic bronchitis, or COPD

^b Unweighted N: 400 former established tobacco users who were ever cigarette smokers and have data on when they quit smoking. Overall, there were 411 former established tobacco users, 406 of whom were ever cigarette smokers. All values over 55 years were Winsorized to 55 years for this figure, to ensure all of the bars had N=3 or more respondents.