

**Supplementary Table 1. HRQoL, WPAI and HRU, and other symptoms experienced in non-cough and sub-acute cough population.**

HRQoL	Matched non-cough (N=1,512)		Sub-acute cough patients (N=378)		P-value
	Mean	SD	Mean	SD	
Physical Component Summary Score	52.44	5.95	50.89	6.92	< .001
Mental Component Summary Score	48.48	9.33	45.47	10.28	< .001
SF-6D Score (Health Utilities)	0.77	0.13	0.72	0.13	< .001
EQ-5D-5L VAS	76.35	20.21	70.21	21.40	< .001
EQ-5D-5L Health Utilities	0.87	0.16	0.80	0.16	< .001
Physical Functioning	54.46	6.19	54.04	6.32	0.244
Role Physical	52.08	7.65	49.63	8.64	< .001
Bodily Pain	51.37	9.13	48.33	9.78	< .001
General Health	46.67	9.10	44.50	9.85	< .001
Vitality	50.40	10.42	47.64	10.88	< .001
Social Functioning	50.80	8.50	48.03	9.49	< .001
Role Emotional	49.44	9.40	46.45	10.76	< .001
Mental Health	49.53	9.72	47.38	10.32	< .001
<b>WPAI</b>					
Absenteeism (%) (N=971/248)	3.39	13.18	6.01	15.33	0.007
Presenteeism (%) (N=1,017/253)	19.12	24.53	28.74	26.58	< .001
Total work productivity impairment (%) (N=961/247)	20.29	25.87	31.14	28.48	< .001
Total activity Impairment (%)	19.65	24.68	29.76	26.82	< .001
<b>HRU</b>					
Number of HCP visits	4.57	7.18	7.47	11.84	< .001
Number of ER visits	0.05	0.49	0.14	1.10	0.019
Number of hospitalizations	0.08	0.48	0.22	1.11	< .001
<b>Other symptoms experienced</b>					
	%	N	%	N	
Experienced anxiety in past 12 months	1.7%	26	5.3%	20	< .001
Experienced depression in past 12 months	4.4%	67	6.3%	24	0.119
Experienced sleep problems or symptoms regularly	46.2%	698	65.1%	246	< .001

**Supplementary Table 2. Cough related QoL (LCQ and HARQ) in chronic cough patients and correlation with severity**

HRQoL (N=562)	Chronic cough patients		Correlation with severity of cough over past 2 weeks	
	Mean	SD	Pearson Correlation	p-value
LCQ physical subscale score	5.08	1.00	-0.528	< .001
LCQ psychological subscale score	4.97	1.15	-0.497	< .001
LCQ social subscale score	5.41	1.20	-0.503	< .001
LCQ total score	15.45	3.15	-0.541	< .001
HARQ total score	16.54	13.15	0.446	< .001
<b>Severity VAS (0-100) (N=564)</b>	<b>Mean</b>	<b>SD</b>	-	-
Severity of cough over the past 2 weeks	40.54	21.60	-	-

**Supplementary Table 3. HRQoL, cough related QoL, WPAI, HRU, and other symptoms experienced in CC patients whose underlying disease were unknown and all other CC patients.**

HRQoL	CC patients whose underlying diseases were unknown (N=54)		All other CC patients (N=514) †		P-value
	Mean	SD	Mean	SD	
Physical Component Summary Score	48.11	7.12	49.20	8.44	0.359
Mental Component Summary Score	46.53	10.87	46.24	10.72	0.850
SF-6D Score (Health Utilities)	0.73	0.15	0.72	0.13	0.645
EQ-5D-5L VAS	64.87	28.48	68.50	23.04	0.282
EQ-5D-5L Health Utilities	0.80	0.17	0.80	0.16	0.989
Physical Functioning	51.23	8.94	52.10	8.29	0.468
Role Physical	49.00	9.55	48.83	9.12	0.900
Bodily Pain	47.54	10.22	48.61	10.04	0.460
General Health	40.76	10.36	42.04	10.72	0.403
Vitality	46.15	11.41	47.31	11.20	0.473
Social Functioning	48.99	10.17	48.77	9.64	0.870
Role Emotional	46.37	12.21	46.56	10.85	0.900
Mental Health	48.06	11.53	47.48	10.85	0.709
<b>Cough related QoL</b>	<b>(N=54)</b>		<b>(N=508)</b>		
LCQ physical subscale score	5.16	0.90	5.07	1.01	0.502
LCQ psychological subscale score	4.87	0.99	4.98	1.16	0.518
LCQ social subscale score	5.33	1.06	5.42	1.22	0.609
LCQ total score	15.36	2.72	15.46	3.19	0.828
HARQ total score	13.46	10.56	16.86	13.36	0.071
<b>WPAI</b>					
Absenteeism (%) (N=25/263)	2.36	7.08	4.75	13.77	0.394
Presenteeism (%) (N=26/280)	26.15	28.30	25.50	27.22	0.907
Total work productivity impairment (%) (N=25/261)	27.64	29.87	26.36	28.08	0.829
Total activity Impairment (%)	29.63	30.28	27.88	27.06	0.655
<b>HRU</b>					
Number of HCP visits	11.59	10.83	7.30	9.56	0.002
Number of ER visits	1.30	9.53	0.10	0.63	0.005
Number of hospitalizations	0.11	0.46	0.14	0.78	0.789
<b>Other symptoms experienced</b>	<b>%</b>	<b>N</b>	<b>%</b>	<b>N</b>	
Experienced anxiety in past 12 months	3.7%	2	3.9%	20	0.946
Experienced depression in past 12 months	11.1%	6	8.0%	41	0.426
Experienced sleep problems or symptoms regularly	61.1%	33	66.7%	343	0.406

† All other CC patients included both patients who were informed by the physicians on the underlying diseases related to their cough and who had not communicated with physicians about their cough.