

**Table S2 Pearson’s correlation coefficients: night-time awakening scores and 36-item Short-Form Health Survey (SF-36) scores at baseline, Week 13, and overall (Weeks 1–13)**

Correlation with night-time awakening <sup>a,b</sup>		Tiotropium		Placebo	
		n	r	n	r
Physical Function	Baseline	520	−0.225***	328	−0.286***
	Week 13	520	−0.175***	328	−0.285***
	Overall (Weeks 1–13)	520	−0.216***	328	−0.269***
Role Physical	Baseline	519	−0.216***	328	−0.292***
	Week 13	519	−0.181***	328	−0.298***
	Overall (Weeks 1–13)	519	−0.190***	328	−0.226***
Bodily Pain	Baseline	520	−0.258***	328	−0.223***
	Week 13	520	−0.178***	328	−0.215***
	Overall (Weeks 1–13)	520	−0.193***	328	−0.207***
General Physical Health	Baseline	520	−0.281***	327	−0.326***
	Week 13	520	−0.194***	327	−0.302***
	Overall (Weeks 1–13)	520	−0.210***	327	−0.296***
Physical Health Summary <sup>c</sup>	Baseline	517	−0.260***	325	−0.320***
	Week 13	517	−0.178***	325	−0.309***
	Overall (Weeks 1–13)	517	−0.209***	325	−0.284***
Vitality	Baseline	518	−0.297***	327	−0.278***
	Week 13	518	−0.183***	327	−0.308***
	Overall (Weeks 1–13)	518	−0.194***	327	−0.265***
Social Functioning	Baseline	520	−0.295***	328	−0.237***
	Week 13	520	−0.233***	328	−0.380***
	Overall (Weeks 1–13)	520	−0.257***	328	−0.329***
Role Emotional	Baseline	520	−0.217***	327	−0.213***
	Week 13	520	−0.208***	327	−0.277***
	Overall (Weeks 1–13)	520	−0.227***	327	−0.206***
General Mental Health	Baseline	518	−0.285***	327	−0.216***
	Week 13	518	−0.221***	327	−0.208***
	Overall (Weeks 1–13)	518	−0.235***	327	−0.198***
Mental Health Summary <sup>d</sup>	Baseline	517	−0.278***	325	−0.217***
	Week 13	517	−0.233***	325	−0.281***
	Overall (Weeks 1–13)	517	−0.238***	325	−0.230***

\*\*\*p < 0.001.

<sup>a</sup>SF-36 domain scores for Week 13 were measured on Day 92.

<sup>b</sup>Overall night-time awakening (overall mean of Weeks 1–13 weekly means) versus SF-36 domain scores at Week 13 (Day 92).

<sup>c</sup>Summary of Physical Functioning, Role Physical, Bodily Pain, General Physical Health.

<sup>d</sup>Summary of Vitality, Social Functioning, Role Emotional and General Mental Health.