

# Supplementary Material

## Agitation in Dementia: Real-World Impact and Burden on Patients and the Healthcare System

**Supplementary Table 1.** Type of regression analysis used for different outcomes

Type of regression analysis	Outcomes
Logistic regression	Requires caregiver
	Requires professional caregiver
	Institutionalized
	Spent time on psychiatric ward in previous 12 months
	No current treatment
	Currently receiving acetylcholinesterase inhibitors
	Currently receiving memantine
	Currently receiving antipsychotics
	Currently receiving antidepressants
Currently receiving benzodiazepines	
Negative binomial regression	Professional caregiver time/week, hours
	HCP consultations in previous 12 months
	Hospitalizations for any reason in previous 12 months
	Hospitalizations relating to CI in previous 12 months
Generalized linear model	Cost of professional caregiving in previous 12 months
	Cost of nursing home in previous 12 months
	Cost of HCP consultations in previous 12 months
	Cost of hospitalizations in previous 12 months
	Cost of treatment in previous 12 months
	Cost of scans in previous 12 months
	Total direct healthcare costs in previous 12 months

CI, cognitive impairment; HCP, healthcare professional

**Supplementary Table 2.** Healthcare costs (US\$) in previous 12 months

	<b>Total (N=1349)</b>	<b>Non-agitated (N=656)</b>	<b>Agitated (N=693)</b>
<b>Hospitalizations</b>			
Mean (SD)	1568 (8671)	786 (8307)	693 (2307)
Range	0, 185780	0, 185780	0, 78530
<b>Professional caregiver</b>			
Mean (SD)	4006 (12446)	2373 (10449)	5552 (13910)
Range	0, 114975	0, 98550	0, 114975
<b>HCP consultations</b>			
Mean (SD)	482 (389)	381 (266)	577 (458)
Range	0, 2885	0, 2318	0, 2885
<b>Nursing home</b>			
Mean (SD)	3932 (13609)	1633 (8985)	6108 (16571)
Range	0, 51000	0, 51000	0, 51000
<b>Treatment</b>			
Mean (SD)	3661 (2818)	3183 (2765)	4112 (2794)
Range	0, 10462	0, 8974	0, 10462
<b>Scans</b>			
Mean (SD)	1143 (2089)	888 (1601)	1385 (2439)
Range	0, 18050	0, 10350	0, 18050
<b>Total direct healthcare costs</b>			
Mean (SD)	14790 (23285)	9243 (17725)	20041 (26495)
Range	0, 187275	0, 187275	60, 169540