

**APPENDIX 4 (as supplied by the authors): Effect of leaving hospital against medical advice in sensitivity analysis regression models of unscheduled hospital readmission within 30 days**

Model	# persons	# records	Adjusted odds ratio (95% confidence interval)	
			Between-person effect	Within-person effect
Base <sup>a</sup>	610,187	1,916,104	3.04 (2.79, 3.30)	2.10 (1.99, 2.21)
Autoregressive GEE correlation <sup>b</sup>	610,187	1,916,104	2.61 (2.40, 2.84)	2.08 (1.98, 2.180)
Truncate records <sup>c</sup>	610,187	1,852,097	3.34 (3.14, 3.56)	1.97 (1.84, 2.11)
Single record per patient <sup>d</sup>	610,187	610,187	2.48 (2.26, 2.71)	n.a.

AMA, left hospital against medical advice.

<sup>a</sup> base model: all eligible records, exchangeable GEE correlation coefficient, any AMA discharges in prior 5 years as a covariate

<sup>b</sup> autoregressive model: all eligible records, AR1 GEE correlation coefficient, any AMA discharges in prior 5 years as a covariate

<sup>c</sup> truncated records model: truncate each individual's included index hospitalizations after the first AMA occurrence, exchangeable GEE correlation coefficient, any AMA discharges in prior 5 years *not* a covariate

<sup>d</sup> single record per patient model: uses a single randomly chosen index hospitalization per patient, not a GEE model, any AMA discharges in prior 5 years as a covariate