Spurious Inferences about Long-term Outcomes: The Case of Severe Sepsis and Geriatric Conditions

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ONLINE DATA SUPPLEMENT

Electronic Table 1: Comparison of the Survivors Cohort to U.S. Population Prevalence of Geriatric Conditions among those Aged 65 and Above. General population data were assessed using the same instrument, previously published.[20] Data from a cohort that included only the first hospitalization for severe sepsis in the HRS is provided as the last column for comparison to **Table 2**.

	General Population Aged 65+	After Severe Sepsis	
	Proportion [20]	Proportion (95% CI) In Entire Cohort	Proportion in Only First Hospitalization Cohort
Incontinence	0.13	0.24 (0.21,0.27)	0.24 (0.20,0.27)
Low BMI	0.03	0.07 (0.05,0.09)	0.06 (0.04, 0.08)
Poor Hearing	0.26	0.15 (0.12,0.18)	0.14 (0.11,0.17)
Poor Vision	0.08	0.20 (0.17,0.23)	0.19 (0.15,0.22)
Severe Pain	Not reported	0.12 (0.10,0.15)	0.12 (0.09,0.15)
Injurious Fall	0.10	0.32 (0.28,0.36)	0.32(0.29,0.37)

Electronic Table 2: Association of Severe Sepsis with Prevalence of Geriatric Conditions when Full Longitudinal Data are Considered. Within-person fixed effect (aka, "latent growth curve") regressions, also controlling for pre-sepsis trajectory. The "Effect of Severe Sepsis In Entire Cohort" column is reproduced from **Table 4**. The other column reports the results of precisely the same analysis in a cohort that included only the first hospitalization for severe sepsis in the HRS and is provided for comparison.

	Effect of Severe Sepsis In Entire Cohort		Effect of Severe Sepsis In Only First Hospitalization Cohort	
	Odds Ratio Versus Pre-Sepsis	p-value	Odds Ratio Versus Pre-Sepsis	p-value
Incontinence	1.02 (0.61,1.71)	0.939	1.23 (0.71,2.14)	0.463
Low BMI	5.60 (1.86,16.9)	**0.002**	3.08 (0.89,10.67)	0.076
Poor Hearing	1.32 (0.68,2.57)	0.414	1.36 (0.72,2.54)	0.342
Poor Vision	1.16 (0.69,1.94)	0.571	1.30 (0.72,2.33)	0.382
Severe Pain	0.70 (0.40,1.23)	0.217	0.73 (0.41,1.31)	0.292

Fall	0.89 (0.58,1.38)	0.610	0.84 (0.55,1.30)	0.436