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Supplemental Table 1 for online appendix: Proton pump inhibitor medications and their standardized daily dose equivalences ⁽¹⁶⁾

	Total standard daily doses (mg)	Date became available over the counter	Over the counter dose (mg)
Omeprazole	20	6-20-2003	20
Pantoprazole	40		
Esomeprazole	20	3-28-2014	20
Lansoprazole	30	5-18-2009	15
Rabeprazole	20		
Dexlansoprazole	30		

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Supplementary Table 2 for online appendix: Results from the fully-adjusted model

Variable	Referent category	β	SE	HR	95% CI*
Female		0.65	0.10	1.92	(1.59-2.33)
Non-white		-0.14	0.06	0.87	(0.77-0.98)
Epilepsy		0.76	0.37	2.14	(1.04-4.37)
Treated diabetes [†]		-0.09	0.14	0.91	(0.69-1.20)
Treated hypertension [†]		-0.11	0.09	0.90	(0.76-1.07)
Depression		0.00	0.13	1.00	(0.78-1.29)
Cognitive impariment		-0.06	0.16	0.94	(0.68 -1.29)
Vision impairment		0.01	0.08	1.02	(0.86-1.20)
History of stroke		0.46	0.16	1.58	(1.16-2.16)
CHF		0.00	0.15	1.00	(0.74-1.35)
Heart disease		0.06	0.10	1.06	(0.88-1.28)
Low gait speed		0.08	0.14	1.08	(0.82-1.42)
Difficulties with \geq ADLS		0.18	0.10	1.19	(0.98-1.44)
Difficulties with \geq IADLS		0.10	0.12	1.11	(0.88-1.39)
Regular exercise		0.12	0.08	1.13	(0.97-1.33)
BMI	Referent \leq 18.5 kg/m ²				
BMI 18.5-24.9 kg/m ²		0.10	0.31	1.11	(0.60-2.04)
BMI 25-29.9 kg/m ²		-0.16	0.31	0.85	(0.46-1.58)
BMI 30+ kg/m ²		-0.34	0.32	0.71	(0.38 -1.33)
Smoking	Referent=never				
Former		0.06	0.08	1.07	(0.91-1.24)
Current		0.15	0.19	1.16	(0.80-1.69)
Fair/poor self-rated health		-0.07	0.11	0.94	(0.76-1.15)
Deyo-Charlson score	Referent=0				
DC score=1		0.09	0.10	1.09	(0.90 -1.34)
DC score=2		0.10	0.12	1.11	(0.88-1.40)
DC score \geq 3		0.22	0.14	1.25	(0.95-1.63)
Fracture in past 5 years		0.63	0.14	1.88	(1.44 -2.45)
Opioids [‡]		0.75	0.11	2.11	(1.69-2.64)
Anticonvulsants [‡]		-0.01	0.27	0.99	(0.58-1.69)
Benzodiazepines [‡]		0.09	0.19	1.10	(0.76-1.58)
Prescription NSAIDs [‡]		0.47	0.15	1.59	(1.19-2.14)
Antidepressants [‡]		0.22	0.13	1.25	(0.97-1.61)
Thiazide diuretics [‡]		-0.02	0.14	0.98	(0.74-1.28)
Bisphosphonates [†]		0.04	0.11	1.04	(0.83-1.30)
Corticosteroids [†]		0.09	0.10	1.19	(1.00-1.34)

H2RAs [†]	-0.05	0.09	0.95	(0.80-1.13)
Hormone replacement therapy [†]	-0.13	0.09	0.88	(0.73-1.04)
^x Age (quadratic spline)	0.05	0.05	--	--
65-70	0.00	0.00	--	--
70-75	0.00	0.01	--	--
75-80	0.00	0.01	--	--
80-85	0.00	0.01	--	--
85+	0.00	0.00	--	--

90 vs 65 year old: HR= 3.2 (95%CI: 0.70-14.73)

80 vs 65 year old: HR= 1.57 (95%CI: 0.78-3.15)

*Bold type shows statistically significant result based on p-value.[†]Defined from computerized pharmacy data as filling ≥ 2 prescriptions (in what time period? Ever?),
[‡]Defined from pharmacy data as having a fill within the prior 30 days. ^xHRs and corresponding 95% CIs from splines are non-interpretable and therefore are not presented here. To illustrate the pattern of risk based on age, we have calculated the HR of fracture comparing those who are 90 vs 65 years of age and those who are 80 vs 65 years of age keeping all other covariates constant. Holding all other covariates constant, 90 year olds have a 3.2 (95% CI: 0.70-14.73) times greater hazard of fracture than those who are 65 and 80 year olds have a 1.57 (95% CI:0.78-3.15) times greater hazard of fracture than those who are 65.

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