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APPENDIX 3 (as supplied by the authors): Full results of the General Estimating Equations logistic regression model for unscheduled 30-day hospital readmission

Variable	Odds ratio*	95% C.I.
Left AMA from index hospitalization		
between-person effect	3.035	2.793, 3.298
within-person effect	2.099	1.993, 2.209
Any AMA discharges in prior 5 years	1.248	1.159, 1.344
Number of hospitalizations in prior 5 years	1.117	1.112, 1.123
Age (per year)	1.015	1.015, 1.016
Male sex (vs. female)	1.075	1.055, 1.095
Average household income quintile		
Urban 1 [lowest urban stratum] (reference)	--	--
Urban 2	0.925	0.901, 0.951
Urban 3	0.925	0.900, 0.951
Urban 4	0.847	0.823, 0.872
Urban 5 [highest urban stratum]	0.816	0.792, 0.840
Rural 1 [lowest rural stratum]	1.295	1.261, 1.330
Rural 2	1.280	1.240, 1.321
Rural 3	1.257	1.224, 1.291
Rural 4	1.218	1.182, 1.256
Rural 5 [highest rural stratum]	1.081	1.048, 1.115
Not calculated	0.989	0.948, 1.031
Year of index hospitalization		
1990-1993	0.814	0.796, 0.832
1994-1998	0.934	0.915, 0.954
1999-2003	0.938	0.921, 0.955
2004-2009 (reference)	--	--
Comorbid conditions		
Metastatic cancer	3.006	2.914, 3.101
Lymphoma	2.452	2.314, 2.598
AIDS/HIV	2.412	1.981, 2.938
Renal failure	1.660	1.602, 1.720
Liver disease	1.590	1.506, 1.677
Solid tumor without metastasis	1.453	1.410, 1.497
Congestive heart failure	1.436	1.406, 1.468
Fluid and electrolyte disorders	1.330	1.288, 1.372
Psychoses	1.313	1.234, 1.398
Depression	1.253	1.202, 1.306
Weight loss	1.252	1.157, 1.356
Drug abuse	1.235	1.134, 1.344
Peripheral vascular disease	1.233	1.184, 1.284
Diabetes	1.213	1.185, 1.241
Coagulopathy	1.203	1.130, 1.279
Rheumatoid arthritis/collagen-vascular disease	1.190	1.132, 1.251
Chronic pulmonary disease	1.173	1.146, 1.199
Other neurologic disorders	1.166	1.126, 1.209
Blood loss anemia	1.154	1.075, 1.238
Deficiency anemia	1.154	1.095, 1.216
Peptic ulcer disease w/o bleeding	1.138	1.062, 1.219
Arrhythmia	1.083	1.058, 1.107
Hypertension, complicated	1.080	1.026, 1.137
Valvular heart disease	1.073	1.029, 1.119

Pulmonary circulation disorders	1.071	1.005, 1.142
Hypothyroidism	1.047	0.997, 1.099
Paralysis	1.002	0.944, 1.064
Alcohol abuse	0.995	0.953, 1.039
Hypertension, uncomplicated	0.976	0.958, 0.994
Obesity	0.948	0.899, 1.000
Main index hospitalization admission diagnosis		
Cardiovascular disorders (reference)	--	--
Complications of pregnancy, childbirth & the puerperium	2.112	2.047, 2.180
Conditions originating in the perinatal period	1.268	0.264, 6.081
Diseases of blood and blood-forming organs	1.168	1.041, 1.310
Symptoms, signs, and ill-defined conditions	0.975	0.947, 1.003
Neoplasms	0.942	0.913, 0.972
Infectious and parasitic diseases	0.934	0.885, 0.987
Diseases of the digestive system	0.928	0.907, 0.950
Mental disorders	0.921	0.888, 0.955
Diseases of the respiratory system	0.901	0.880, 0.924
Congenital anomalies	0.900	0.747, 1.085
Endocrine, metabolic, nutritional, immune disorders	0.877	0.841, 0.914
Diseases of the genitourinary system	0.854	0.830, 0.879
Factors influencing health status	0.826	0.802, 0.851
Diseases of nervous system and sense organs	0.751	0.703, 0.802
Diseases of the skin and subcutaneous tissue	0.751	0.714, 0.790
Injury and poisoning	0.739	0.718, 0.760
Diseases of the musculoskeletal system & connective tissue	0.736	0.713, 0.760
Length of the index hospitalization (per day)	0.997	0.997, 0.998

AMA, left hospital against medical advice.

* Odds ratios adjusted for: between-person and within-person AMA status, age, sex, year of index hospitalization, comorbid conditions, average household income, diagnosis of the index hospitalization, index hospitalization length of stay, number of hospitalizations in the five years prior to the index hospitalization, and existence of any AMA discharges in the five years prior to the index hospitalization