

Table E1. Coefficients for the simple logistic regression on terminal ICU admission

Variable	Estimate	Standard Error	Lower 95% CI	Upper 95% CI	Pr > ChiSq
Age 18-24	0.5761	0.0881	0.4035	0.7487	<.0001
Age 25-34	0.5262	0.0532	0.4218	0.6305	<.0001
Age 35-54	0.4906	0.0275	0.4367	0.5444	<.0001
Age 55-64	0.4414	0.026	0.3904	0.4923	<.0001
Age 65-69	0.1339	0.0231	0.0886	0.1792	<.0001
Age 70-74	reference				
Age 75-79	-0.1408	0.0193	-0.1787	-0.1029	<.0001
Age 80-84	-0.3725	0.0192	-0.4101	-0.3349	<.0001
Age 85-89	-0.6384	0.0198	-0.6773	-0.5996	<.0001
Age 90-94	-1.0316	0.023	-1.0767	-0.9865	<.0001
Age >=95	-1.3855	0.033	-1.4502	-1.3208	<.0001
Female	reference				
Male	0.1511	0.0121	0.1274	0.1748	<.0001
Medicare	reference				
Medicaid	-0.2378	0.033	-0.3025	-0.1732	<.0001
Commercial	-0.2435	0.0174	-0.2777	-0.2094	<.0001
Other insured	-0.4009	0.0221	-0.4442	-0.3575	<.0001
Uninsured	0.1103	0.0341	0.0434	0.1772	0.0012
Urgent medical admission	reference				
Urgent/emergent surgical admission	1.4758	0.036	1.4054	1.5463	<.0001
Elective surgical admission	1.3646	0.0168	1.3316	1.3976	<.0001
White	reference				
Black	0.269	0.0252	0.2197	0.3183	<.0001
Hispanic	0.4245	0.0343	0.3573	0.4916	<.0001
Others	-0.0032	0.0231	-0.0484	0.0421	0.891
BLACK*MALE	-0.121	0.0334	-0.1864	-0.0556	0.0003
HISPANIC*MALE	-0.155	0.0458	-0.2447	-0.0653	0.0007
OTHER*MALE	0.0126	0.0312	-0.0486	0.0737	0.6867
Diabetes	-0.0684	0.0141	-0.096	-0.0408	<.0001
Diabetes with chronic complications	-0.2299	0.0309	-0.2904	-0.1694	<.0001
Chronic pulmonary disease	0.0856	0.014	0.0581	0.1131	<.0001
Dementia	-0.9391	0.0326	-1.0031	-0.8751	<.0001
HIV or AIDS	-0.7453	0.0384	-0.8206	-0.67	<.0001

Myocardial infarction	-0.2013	0.0311	-0.2623	-0.1403	<.0001
Mild liver disease	-0.1079	0.0286	-0.164	-0.0518	0.0002
Cerebrovascular disease	-0.7735	0.0292	-0.8307	-0.7163	<.0001
Metastatic solid tumor	-1.203	0.0196	-1.2414	-1.1646	<.0001
BLACK*METS	0.1615	0.0504	0.0628	0.2603	0.0013
HISPANIC*METS	-0.3696	0.0737	-0.5141	-0.2251	<.0001
OTHER*METS	0.0913	0.0483	-0.0033	0.1859	0.0585
Other malignancy	-0.7766	0.0168	-0.8096	-0.7437	<.0001
BLACK*MALIG	-0.1176	0.0451	-0.206	-0.0291	0.0092
HISPANIC*MALIG	-0.0501	0.0623	-0.1721	0.0719	0.4209
OTHER*MALIG	-0.0709	0.0417	-0.1527	0.0108	0.0888
Peripheral vascular disease	-0.3434	0.0305	-0.4032	-0.2836	<.0001
BLACK*PVD	-0.3205	0.0821	-0.4813	-0.1597	<.0001
HISPANIC*PVD	-0.1573	0.1252	-0.4026	0.0881	0.209
OTHER*PVD	-0.0162	0.0835	-0.1798	0.1474	0.8464
Rheumatologic disease	-0.1713	0.042	-0.2536	-0.0889	<.0001

Table E2. Coefficients for the GEE logistic regression on terminal ICU admission

Variable	Estimate	Standard Error	Lower 95% CI	Upper 95% CI	Pr > ChiSq
Age 18-24	0.5612	0.1083	0.3488	0.7735	<.0001
Age 25-34	0.528	0.0778	0.3754	0.6805	<.0001
Age 35-54	0.5015	0.0531	0.3974	0.6055	<.0001
Age 55-64	0.4545	0.0479	0.3606	0.5483	<.0001
Age 65-69	0.1268	0.0217	0.0843	0.1692	<.0001
Age 70-74	reference				
Age 75-79	-0.1371	0.0182	-0.1728	-0.1014	<.0001
Age 80-84	-0.3592	0.0184	-0.3953	-0.323	<.0001
Age 85-89	-0.6232	0.0213	-0.665	-0.5813	<.0001
Age 90-94	-1.0062	0.0262	-1.0576	-0.9548	<.0001
Age >=95	-1.3589	0.037	-1.4315	-1.2863	<.0001
Female	reference				
Male	0.1329	0.0117	0.11	0.1558	<.0001
Medicare	reference				
Medicaid	-0.3219	0.0601	-0.4397	-0.204	<.0001
Commercial	-0.2829	0.0533	-0.3874	-0.1784	<.0001
Other insured	-0.4221	0.064	-0.5474	-0.2967	<.0001
Uninsured	-0.0261	0.0561	-0.1362	0.0839	0.6418
Urgent medical admission	reference				
Urgent/emergent surgical admission	1.3565	0.0466	1.2653	1.4478	<.0001
Elective surgical admission	1.2522	0.026	1.2012	1.3032	<.0001
White	reference				
Black	0.0967	0.0327	0.0325	0.1608	0.0031
Hispanic	0.1652	0.0382	0.0903	0.2402	<.0001
Others	0.0756	0.0333	0.0104	0.1408	0.0231
BLACK*MALE	-0.1131	0.0339	-0.1796	-0.0466	0.0009
HISPANIC*MALE	-0.1229	0.0388	-0.1989	-0.0469	0.0015
OTHER*MALE	0.0146	0.0302	-0.0446	0.0737	0.6289
Diabetes	-0.0588	0.0155	-0.0892	-0.0283	0.0002
Diabetes with chronic complications	-0.2203	0.0319	-0.2828	-0.1579	<.0001
Chronic pulmonary disease	0.0784	0.015	0.0491	0.1078	<.0001
Dementia	-0.8662	0.0351	-0.9351	-0.7974	<.0001
HIV or AIDS	-0.7748	0.0487	-0.8703	-0.6792	<.0001

Myocardial infarction	-0.1739	0.0311	-0.2348	-0.1131	<.0001
Mild liver disease	-0.1218	0.0307	-0.182	-0.0615	<.0001
Cerebrovascular disease	-0.7202	0.0302	-0.7794	-0.661	<.0001
Metastatic solid tumor	-1.0623	0.031	-1.1231	-1.0014	<.0001
BLACK*METS	0.1753	0.0568	0.064	0.2867	0.002
HISPANIC*METS	-0.3547	0.0774	-0.5064	-0.203	<.0001
OTHER*METS	-0.025	0.0912	-0.2038	0.1538	0.7841
Any malignancy	-0.7204	0.021	-0.7616	-0.6792	<.0001
BLACK*MALIG	-0.0981	0.0461	-0.1886	-0.0077	0.0335
HISPANIC*MALIG	0.0136	0.0529	-0.0901	0.1172	0.7978
OTHER*MALIG	-0.0556	0.0473	-0.1483	0.037	0.2393
Peripheral vascular disease	-0.3204	0.0289	-0.377	-0.2638	<.0001
BLACK*PVD	-0.2589	0.0794	-0.4146	-0.1032	0.0011
HISPANIC*PVD	-0.1113	0.1217	-0.3499	0.1272	0.3605
OTHER*PVD	-0.0196	0.084	-0.1842	0.145	0.8153
Rheumatologic disease	-0.1441	0.0414	-0.2254	-0.0629	0.0005
Renal disease	0.0967	0.0327	0.0325	0.1608	0.0031

Table E3. Coefficients for the fixed effects logistic regression on terminal ICU admission (individual hospital coefficients not shown)

Variable	Estimate	Standard Error	Lower 95% CI	Upper 95% CI	Pr > ChiSq
Age 18-24	0.636917	0.092687	0.455254	0.81858	<0.0001
Age 25-34	0.591942	0.055531	0.483103	0.700781	<0.0001
Age 35-54	0.552121	0.028911	0.495456	0.608786	<0.0001
Age 55-64	0.497661	0.027303	0.444148	0.551174	<0.0001
Age 65-69	0.137095	0.023922	0.090208	0.183982	<0.0001
Age 70-74	reference				
Age 75-79	-0.14957	0.020014	-0.1888	-0.11034	<0.0001
Age 80-84	-0.38866	0.019868	-0.4276	-0.34972	<0.0001
Age 85-89	-0.67572	0.020599	-0.71609	-0.63534	<0.0001
Age 90-94	-1.08841	0.024018	-1.13548	-1.04134	<0.0001
Age >=95	-1.47051	0.034411	-1.53795	-1.40306	<0.0001
Female	reference				
Male	0.141568	0.012564	0.116944	0.166193	<0.0001
Medicare	reference				
Medicaid	-0.36359	0.034905	-0.43201	-0.29518	<0.0001
Commercial	-0.31136	0.018843	-0.34829	-0.27443	<0.0001
Other insured	-0.46327	0.023909	-0.51013	-0.41641	<0.0001
Uninsured	-0.03683	0.036983	-0.10931	0.035659	0.319
Urgent medical admission	reference				
Urgent/emergent surgical admission	1.463129	0.037089	1.390436	1.535823	<0.0001
Elective surgical admission	1.355001	0.017345	1.321006	1.388996	<0.0001
White	reference				
Black	0.070712	0.027322	0.017163	0.124261	0.01
Hispanic	0.13305	0.040167	0.054325	0.211776	0.001
Others	0.090164	0.03031	0.030757	0.149571	0.003
BLACK*MALE	-0.11337	0.034534	-0.18106	-0.04569	0.001
HISPANIC*MALE	-0.12091	0.047511	-0.21403	-0.02779	0.011
OTHER*MALE	0.018041	0.032357	-0.04538	0.08146	0.577
Diabetes	-0.0629	0.014596	-0.0915	-0.03429	<0.0001
Diabetes with chronic complications	-0.24299	0.031981	-0.30567	-0.18031	<0.0001
Chronic pulmonary disease	0.085377	0.014635	0.056694	0.11406	<0.0001
Dementia	-0.91457	0.033901	-0.98101	-0.84812	<0.0001

HIV or AIDS	-0.87684	0.040198	-0.95563	-0.79806	<0.0001
Myocardial infarction	-0.18496	0.03236	-0.24839	-0.12154	<0.0001
Mild liver disease	-0.13381	0.029679	-0.19198	-0.07564	<0.0001
Cerebrovascular disease	-0.77035	0.030399	-0.82993	-0.71077	<0.0001
Metastatic solid tumor	-1.19071	0.020366	-1.23063	-1.15079	<0.0001
BLACK*METS	0.187149	0.052254	0.084733	0.289566	<0.0001
HISPANIC*METS	-0.35691	0.077009	-0.50784	-0.20598	<0.0001
OTHER*METS	0.059272	0.049826	-0.03838	0.156929	0.234
Any malignancy	-0.77284	0.01749	-0.80712	-0.73856	<0.0001
BLACK*MALIG	-0.11352	0.04687	-0.20538	-0.02165	0.015
HISPANIC*MALIG	0.001794	0.064963	-0.12553	0.129119	0.978
OTHER*MALIG	-0.05172	0.043223	-0.13643	0.033	0.232
Peripheral vascular disease	-0.34685	0.031593	-0.40877	-0.28492	<0.0001
BLACK*PVD	-0.27638	0.084728	-0.44244	-0.11032	0.001
HISPANIC*PVD	-0.12753	0.129194	-0.38075	0.125685	0.324
OTHER*PVD	-0.02908	0.08621	-0.19805	0.139884	0.736
Rheumatologic disease	-0.15317	0.043461	-0.23835	-0.06799	<0.0001
Renal disease	0.070712	0.027322	0.017163	0.124261	0.01