

Technical Appendix to “A pragmatic randomized controlled trial of a cardiac hospital-to-home transitional care program in a Singapore academic medical center”

This technical appendix reports the results for the full specification of the regressions reported in Tables 3 and 4 of the main paper.

Full Regression Specification for Main Results

Table A1: Effect of CareHub on Key Outcomes

Independent variables	Outcome variables					
	(1) No. of readmissions (cardiac & unplanned)	(2) Total days readmitted (cardiac & unplanned)	(3) No. of readmissions (cardiac)	(4) Total days readmitted (cardiac)	(5) Outpatient specialist visits (cardiac)	(6) Emergency department visits
CareHub	-0.234** (0.114)	-2.241** (1.120)	-0.196 (0.119)	-2.017* (1.184)	0.328 (0.384)	-0.0702 (0.218)
Male	0.152 (0.119)	-0.538 (1.071)	0.128 (0.123)	-0.304 (1.116)	0.605 (0.372)	0.357* (0.209)
Age	-0.00273 (0.0265)	-0.127 (0.389)	-0.00399 (0.0296)	-0.0497 (0.399)	-0.201 (0.243)	0.0205 (0.0608)
Age-squared	4.51e-05 (0.000204)	0.000986 (0.00311)	4.05e-05 (0.000222)	0.000313 (0.00318)	0.00137 (0.00170)	-0.000133 (0.000435)
Ethnicity: Malay	0.0160 (0.149)	-1.612 (1.416)	0.0464 (0.160)	-2.000 (1.462)	0.0944 (0.468)	0.369 (0.298)
Ethnicity: Indian	0.136 (0.259)	-0.863 (1.264)	0.109 (0.260)	-0.414 (1.603)	-0.574 (0.599)	0.528 (0.641)
Ethnicity: Others	0.0687 (0.218)	1.660 (2.928)	0.0298 (0.222)	1.235 (2.959)	-0.611 (0.549)	0.0899 (0.321)
Marital status: Married	0.161 (0.237)	2.341* (1.348)	0.121 (0.256)	2.494* (1.460)	1.580** (0.749)	-0.0620 (0.629)
Marital status: Missing value	0.0526 (0.241)	1.853 (1.583)	-0.00501 (0.265)	2.255 (1.740)	1.152 (0.796)	-0.361 (0.585)
Ward C	0.0713	0.329	0.0639	-0.117	-0.374	0.167

	(0.119)	(1.262)	(0.128)	(1.371)	(0.413)	(0.260)
Index adm in Aug 2016	-0.818 (0.748)	-2.224 (2.811)	-0.981 (0.754)	-4.348 (3.861)	-1.086 (0.936)	-2.256 (2.102)
Index adm in Sep 2016	-0.920 (0.721)	-3.455 (2.750)	-1.040 (0.731)	-5.520 (3.847)	-1.638 (0.997)	-2.060 (2.027)
Index adm in Oct 2016	-0.765 (0.716)	-1.810 (2.976)	-0.881 (0.726)	-3.301 (4.052)	-1.134 (1.012)	-2.381 (2.014)
Index adm in Nov 2016	-0.869 (0.708)	-1.295 (2.903)	-0.978 (0.718)	-2.551 (4.019)	-1.305 (0.940)	-2.203 (1.985)
Index adm in Dec 2016 ⁴	-0.825 (0.729)	-3.507 (2.934)	-0.981 (0.738)	-5.491 (3.966)	-2.092** (0.969)	-2.230 (2.024)
Previous myocardial infarction	0.174* (0.105)	1.827 (1.108)	0.163 (0.112)	2.015* (1.199)	-0.371 (0.395)	0.242 (0.192)
Cerebrovascular / peripheral vascular disease	0.216 (0.160)	1.926 (1.338)	0.237 (0.164)	1.609 (1.367)	-0.751* (0.414)	0.547 (0.392)
Diabetes	0.201* (0.107)	1.407 (0.990)	0.205* (0.112)	1.148 (1.112)	-0.268 (0.413)	0.232 (0.224)
Congestive heart failure	0.117 (0.125)	1.548 (1.072)	0.0893 (0.129)	1.487 (1.135)	0.579 (0.413)	-0.182 (0.262)
Chronic pulmonary disease	0.316** (0.150)	1.911 (1.551)	0.305* (0.157)	1.788 (1.589)	-0.636* (0.347)	0.142 (0.288)
Liver or renal failure	-0.0763 (0.133)	0.854 (1.409)	-0.108 (0.137)	0.417 (1.465)	-0.479 (0.381)	-0.351 (0.285)
Connective tissue disease	-0.0727 (0.213)	-1.367 (2.330)	-0.114 (0.225)	-1.786 (2.483)	-0.186 (0.602)	-0.0133 (0.351)
Other diseases ⁵	0.165 (0.137)	0.499 (0.915)	0.143 (0.143)	0.542 (1.001)	-0.738 (0.451)	0.380 (0.297)
No. of pre- index inpatient visits	0.205 (0.160)	0.339 (1.157)	0.234 (0.165)	0.289 (1.172)	0.210 (0.315)	0.349 (0.403)
No. of pre- index inpatient days	0.00939	0.295	0.00598	0.290	0.000450	0.00145

	(0.0159)	(0.270)	(0.0165)	(0.273)	(0.0277)	(0.0265)
No. of pre-index outpatient specialist visits	-0.0264 (0.0188)	-0.119 (0.149)	-0.0226 (0.0191)	-0.0876 (0.153)	0.141*** (0.0528)	-0.0378 (0.0472)
No. of pre-index emergency department visits	-0.0586 (0.0917)	-0.555 (0.799)	-0.0834 (0.0956)	-0.578 (0.805)	-0.351 (0.214)	0.366** (0.180)
Observations	270	270	270	270	270	270
R-squared	0.229	0.198	0.210	0.171	0.156	0.392

Notes:

¹ Heteroskedasticity-robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

² Estimates of the effect of CareHub are from a regression model that includes controls for demographics, co-morbidities, and healthcare utilization in the 6 months before the index visit.

³ For the outcome variables “total days readmitted” in columns (2) and (4), patients without any readmissions are assigned a value of 0. These outcome variables thus capture effects due to reduced readmissions as well as reduced length of stay for patients who are readmitted.

⁴ Admission dates were shifted to mask confidential information. Therefore, our data includes admissions dated in December 2016, even though the last patient for our study was recruited in November 2016.

⁵ Other diseases include AIDS, cancer, and dementia.

Full Regression Specification for Heterogeneity Analyses

Table A2.1: Heterogeneity Analyses by total days spent in hospital before index visit

Independent variables	Outcome variables			
	(1) No. of readmissions (cardiac & unplanned)	(2) Total days readmitted (cardiac & unplanned)	(3) No. of readmissions (cardiac)	(4) Total days readmitted (cardiac)
CareHub	0.0383 (0.116)	0.802 (1.426)	0.0729 (0.123)	0.992 (1.515)
CareHub × total days	-0.0560*** (0.0190)	-0.625 (0.393)	-0.0553*** (0.0195)	-0.618 (0.399)
Male	0.175 (0.120)	-0.282 (1.065)	0.151 (0.124)	-0.0504 (1.105)
Age	-0.00228 (0.0240)	-0.122 (0.366)	-0.00355 (0.0273)	-0.0448 (0.376)
Age-squared	4.41e-05 (0.000186)	0.000974 (0.00292)	3.94e-05 (0.000205)	0.000301 (0.00299)
Ethnicity: Malay	-0.0271 (0.141)	-2.094 (1.442)	0.00379 (0.155)	-2.476 (1.502)
Ethnicity: Indian	0.0699 (0.256)	-1.596 (1.448)	0.0445 (0.259)	-1.138 (1.830)
Ethnicity: Others	-0.0291 (0.156)	0.568 (1.949)	-0.0668 (0.161)	0.156 (1.973)
Marital status: Married	0.170 (0.228)	2.451* (1.355)	0.131 (0.247)	2.603* (1.458)
Marital status: Missing value	0.0597 (0.230)	1.932 (1.604)	0.00198 (0.253)	2.333 (1.746)
Ward C	-0.0206 (0.110)	-0.698 (0.991)	-0.0269 (0.121)	-1.132 (1.120)
Index adm in Aug 2016	-0.636 (0.735)	-0.194 (3.277)	-0.801 (0.743)	-2.341 (4.211)
Index adm in Sep 2016	-0.744 (0.710)	-1.487 (3.122)	-0.866 (0.721)	-3.574 (4.116)
Index adm in Oct 2016	-0.680 (0.709)	-0.858 (3.300)	-0.797 (0.719)	-2.358 (4.294)
Index adm in Nov 2016	-0.806 (0.704)	-0.589 (3.190)	-0.916 (0.714)	-1.853 (4.227)
Index adm in Dec 2016 ⁴	-0.770 (0.727)	-2.893 (3.296)	-0.926 (0.737)	-4.884 (4.230)
Previous myocardial infarction	0.121	1.238	0.111	1.433

	(0.0994)	(0.893)	(0.107)	(1.000)
Cerebrovascular / peripheral vascular disease	0.199 (0.153)	1.739 (1.177)	0.220 (0.158)	1.424 (1.217)
Diabetes	0.193* (0.108)	1.317 (1.019)	0.197* (0.114)	1.059 (1.147)
Congestive heart failure	0.117 (0.123)	1.549 (1.039)	0.0894 (0.127)	1.488 (1.098)
Chronic pulmonary disease	0.227 (0.139)	0.916 (1.133)	0.217 (0.145)	0.804 (1.159)
Liver or renal failure	-0.0453 (0.129)	1.201 (1.416)	-0.0775 (0.133)	0.760 (1.474)
Connective tissue disease	-0.0884 (0.205)	-1.543 (2.347)	-0.129 (0.218)	-1.959 (2.487)
Other diseases ⁵	0.166 (0.128)	0.505 (1.066)	0.144 (0.134)	0.548 (1.113)
No. of pre-index inpatient visits	0.165 (0.152)	-0.105 (1.360)	0.195 (0.157)	-0.150 (1.376)
No. of pre-index inpatient days	0.0464** (0.0215)	0.709 (0.474)	0.0425* (0.0223)	0.698 (0.482)
No. of pre-index outpatient specialist visits	-0.0299 (0.0190)	-0.159 (0.163)	-0.0261 (0.0193)	-0.127 (0.166)
No. of pre-index emergency department visits	-0.00119 (0.0746)	0.0859 (0.660)	-0.0267 (0.0784)	0.0558 (0.674)
Observations	270	270	270	270
R-squared	0.298	0.299	0.274	0.262

Notes:

¹ Heteroskedasticity-robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

² Estimates of the effect of CareHub are from a regression model that includes controls for demographics, co-morbidities, and healthcare utilization in the 6 months before the index visit.

³ For the outcome variables “total days readmitted” in columns (2) and (4), patients without any readmissions are assigned a value of 0. These outcome variables thus capture effects due to reduced readmissions as well as reduced length of stay for patients who are readmitted.

⁴ Admission dates were shifted to mask confidential information. Therefore, our data includes admissions dated in December 2016, even though the last patient for our study was recruited in November 2016.

⁵ Other diseases include AIDS, cancer, and dementia.

Table A2.2: Heterogeneity analyses by ward class

Independent variables	Outcome variables			
	(1) No. of readmissions (cardiac & unplanned)	(2) Total days readmitted (cardiac & unplanned)	(3) No. of readmissions (cardiac)	(4) Total days readmitted (cardiac)
CareHub	0.116 (0.162)	-1.024 (1.611)	0.208 (0.182)	-0.813 (1.929)
CareHub × ward C	-0.545** (0.227)	-1.897 (1.674)	-0.631*** (0.241)	-1.878 (2.017)
Male	0.0997 (0.115)	-0.719 (1.055)	0.0682 (0.120)	-0.483 (1.098)
Age	-0.00807 (0.0270)	-0.146 (0.389)	-0.0102 (0.0299)	-0.0681 (0.399)
Age-squared	7.87e-05 (0.000209)	0.00110 (0.00312)	7.93e-05 (0.000226)	0.000429 (0.00318)
Ethnicity: Malay	-0.0125 (0.145)	-1.711 (1.411)	0.0134 (0.156)	-2.098 (1.460)
Ethnicity: Indian	0.108 (0.251)	-0.960 (1.234)	0.0772 (0.253)	-0.509 (1.620)
Ethnicity: Others	0.0377 (0.212)	1.552 (2.939)	-0.00600 (0.217)	1.129 (2.971)
Marital status: Married	0.199 (0.241)	2.474* (1.335)	0.166 (0.257)	2.626* (1.439)
Marital status: Missing value	0.0939 (0.246)	1.996 (1.578)	0.0427 (0.266)	2.397 (1.716)
Ward C	0.351* (0.184)	1.302 (1.615)	0.387** (0.184)	0.846 (1.738)
Index adm in Aug 2016	-0.810 (0.731)	-2.195 (2.739)	-0.971 (0.731)	-4.319 (3.777)
Index adm in Sep 2016	-0.900 (0.702)	-3.386 (2.677)	-1.017 (0.706)	-5.452 (3.756)
Index adm in Oct 2016	-0.775 (0.703)	-1.844 (2.921)	-0.892 (0.705)	-3.334 (3.991)
Index adm in Nov 2016	-0.867 (0.694)	-1.288 (2.848)	-0.976 (0.697)	-2.544 (3.955)
Index adm in Dec 2016 ⁴	-0.792 (0.706)	-3.394 (2.848)	-0.943 (0.709)	-5.380 (3.854)
Previous myocardial infarction	0.182* (0.104)	1.856* (1.105)	0.173 (0.111)	2.044* (1.198)
Cerebrovascular / peripheral vascular disease	0.226	1.963	0.249	1.646

	(0.160)	(1.337)	(0.163)	(1.368)
Diabetes	0.215** (0.107)	1.455 (0.989)	0.221** (0.112)	1.196 (1.122)
Congestive heart failure	0.118 (0.125)	1.552 (1.072)	0.0908 (0.128)	1.491 (1.135)
Chronic pulmonary disease	0.298** (0.149)	1.848 (1.557)	0.285* (0.155)	1.726 (1.591)
Liver or renal failure	-0.0876 (0.134)	0.815 (1.421)	-0.121 (0.137)	0.378 (1.478)
Connective tissue disease	-0.0945 (0.210)	-1.443 (2.320)	-0.139 (0.224)	-1.861 (2.472)
Other diseases ⁵	0.165 (0.133)	0.498 (0.910)	0.143 (0.139)	0.541 (0.990)
No. of pre-index inpatient visits	0.192 (0.156)	0.296 (1.167)	0.220 (0.159)	0.246 (1.183)
No. of pre-index inpatient days	0.00749 (0.0160)	0.289 (0.271)	0.00378 (0.0165)	0.283 (0.274)
No. of pre-index outpatient specialist visits	-0.0287 (0.0190)	-0.128 (0.148)	-0.0254 (0.0192)	-0.0957 (0.152)
No. of pre-index emergency department visits	-0.0401 (0.0900)	-0.490 (0.807)	-0.0620 (0.0930)	-0.514 (0.818)
Observations	270	270	270	270
R-squared	0.244	0.200	0.229	0.173

Notes:

¹ Heteroskedasticity-robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

² Estimates of the effect of CareHub are from a regression model that includes controls for demographics, co-morbidities, and healthcare utilization in the 6 months before the index visit.

³ For the outcome variables “total days readmitted” in columns (2) and (4), patients without any readmissions are assigned a value of 0. These outcome variables thus capture effects due to reduced readmissions as well as reduced length of stay for patients who are readmitted.

⁴ Admission dates were shifted to mask confidential information. Therefore, our data includes admissions dated in December 2016, even though the last patient for our study was recruited in November 2016.

⁵ Other diseases include AIDS, cancer, and dementia.

Table A2.3: Heterogeneity analyses by gender

Independent variables	Outcome variables			
	(1) No. of readmissions (cardiac & unplanned)	(2) Total days readmitted (cardiac & unplanned)	(3) No. of readmissions (cardiac)	(4) Total days readmitted (cardiac)
CareHub	-0.231 (0.154)	-1.056 (1.021)	-0.226 (0.159)	-1.020 (1.233)
CareHub × female	-0.00748 (0.246)	-2.768 (3.186)	0.0698 (0.253)	-2.329 (3.332)
Male	0.148 (0.185)	-2.015 (2.257)	0.165 (0.186)	-1.547 (2.321)
Age	-0.00275 (0.0265)	-0.135 (0.385)	-0.00380 (0.0296)	-0.0563 (0.396)
Age-squared	4.54e-05 (0.000204)	0.00109 (0.00307)	3.80e-05 (0.000222)	0.000397 (0.00315)
Ethnicity: Malay	0.0160 (0.149)	-1.599 (1.402)	0.0461 (0.160)	-1.989 (1.452)
Ethnicity: Indian	0.136 (0.258)	-0.788 (1.262)	0.107 (0.258)	-0.351 (1.606)
Ethnicity: Others	0.0686 (0.217)	1.625 (2.883)	0.0307 (0.223)	1.206 (2.913)
Marital status: Married	0.160 (0.240)	2.005 (1.283)	0.130 (0.258)	2.212 (1.390)
Marital status: Missing value	0.0521 (0.245)	1.649 (1.577)	0.000120 (0.266)	2.084 (1.737)
Ward C	0.0719 (0.119)	0.527 (1.348)	0.0590 (0.129)	0.0494 (1.466)
Index adm in Aug 2016	-0.818 (0.754)	-2.075 (2.859)	-0.985 (0.759)	-4.223 (3.869)
Index adm in Sep 2016	-0.920 (0.722)	-3.479 (2.790)	-1.039 (0.731)	-5.541 (3.860)
Index adm in Oct 2016	-0.765 (0.719)	-1.767 (3.027)	-0.882 (0.728)	-3.264 (4.071)
Index adm in Nov 2016	-0.870 (0.704)	-1.535 (2.930)	-0.972 (0.713)	-2.753 (4.047)
Index adm in Dec 2016 ⁴	-0.825 (0.724)	-3.780 (3.006)	-0.974 (0.733)	-5.721 (4.023)
Previous myocardial infarction	0.174* (0.105)	1.819* (1.099)	0.164 (0.112)	2.008* (1.190)
Cerebrovascular / peripheral vascular disease	0.216	1.892	0.238	1.581

	(0.161)	(1.308)	(0.164)	(1.339)
Diabetes	0.201*	1.485	0.203*	1.214
	(0.105)	(0.987)	(0.110)	(1.115)
Congestive heart failure	0.117	1.533	0.0897	1.475
	(0.126)	(1.085)	(0.129)	(1.146)
Chronic pulmonary disease	0.317**	2.090	0.301*	1.939
	(0.157)	(1.692)	(0.163)	(1.734)
Liver or renal failure	-0.0758	1.036	-0.113	0.570
	(0.140)	(1.566)	(0.144)	(1.616)
Connective tissue disease	-0.0726	-1.352	-0.114	-1.773
	(0.213)	(2.321)	(0.226)	(2.474)
Other diseases ⁵	0.165	0.494	0.143	0.538
	(0.137)	(0.929)	(0.143)	(1.010)
No. of pre-index inpatient visits	0.206	0.643	0.227	0.545
	(0.157)	(1.125)	(0.161)	(1.144)
No. of pre-index inpatient days	0.00937	0.287	0.00619	0.283
	(0.0156)	(0.260)	(0.0163)	(0.264)
No. of pre-index outpatient specialist visits	-0.0264	-0.122	-0.0226	-0.0902
	(0.0188)	(0.153)	(0.0192)	(0.157)
No. of pre-index emergency department visits	-0.0592	-0.803	-0.0771	-0.786
	(0.0929)	(0.936)	(0.0965)	(0.949)
Observations	270	270	270	270
R-squared	0.229	0.203	0.211	0.174

Notes:

¹ Heteroskedasticity-robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

² Estimates of the effect of CareHub are from a regression model that includes controls for demographics, co-morbidities, and healthcare utilization in the 6 months before the index visit.

³ For the outcome variables “total days readmitted” in columns (2) and (4), patients without any readmissions are assigned a value of 0. These outcome variables thus capture effects due to reduced readmissions as well as reduced length of stay for patients who are readmitted.

⁴ Admission dates were shifted to mask confidential information. Therefore, our data includes admissions dated in December 2016, even though the last patient for our study was recruited in November 2016.

⁵ Other diseases include AIDS, cancer, and dementia.

Table A2.4: Heterogeneity analyses by age

Independent variables	Outcome variables			
	(1) No. of readmissions (cardiac & unplanned)	(2) Total days readmitted (cardiac & unplanned)	(3) No. of readmissions (cardiac)	(4) Total days readmitted (cardiac)
CareHub	-0.796 (0.586)	0.151 (4.532)	-0.703 (0.650)	0.431 (5.030)
CareHub × age	0.00812 (0.00813)	-0.0346 (0.0705)	0.00731 (0.00892)	-0.0354 (0.0757)
Male	0.157 (0.120)	-0.563 (1.082)	0.133 (0.124)	-0.329 (1.125)
Age	-0.00740 (0.0272)	-0.107 (0.363)	-0.00821 (0.0297)	-0.0293 (0.372)
Age-squared	4.85e-05 (0.000210)	0.000972 (0.00308)	4.35e-05 (0.000227)	0.000298 (0.00315)
Ethnicity: Malay	0.0150 (0.148)	-1.608 (1.419)	0.0455 (0.159)	-1.995 (1.464)
Ethnicity: Indian	0.145 (0.261)	-0.901 (1.296)	0.117 (0.262)	-0.453 (1.646)
Ethnicity: Others	0.0531 (0.220)	1.726 (2.924)	0.0158 (0.224)	1.303 (2.952)
Marital status: Married	0.158 (0.238)	2.350* (1.343)	0.119 (0.259)	2.503* (1.455)
Marital status: Missing value	0.0603 (0.245)	1.820 (1.584)	0.00191 (0.271)	2.222 (1.738)
Ward C	0.0725 (0.120)	0.324 (1.265)	0.0650 (0.128)	-0.122 (1.374)
Index adm in Aug 2016	-0.813 (0.743)	-2.245 (2.819)	-0.976 (0.750)	-4.370 (3.870)
Index adm in Sep 2016	-0.918 (0.718)	-3.464 (2.757)	-1.038 (0.728)	-5.529 (3.856)
Index adm in Oct 2016	-0.769 (0.715)	-1.796 (2.991)	-0.884 (0.725)	-3.285 (4.066)
Index adm in Nov 2016	-0.864 (0.703)	-1.317 (2.896)	-0.974 (0.714)	-2.573 (4.020)
Index adm in Dec 2016 ⁴	-0.813 (0.721)	-3.556 (2.933)	-0.970 (0.732)	-5.541 (3.971)
Previous myocardial infarction	0.170 (0.105)	1.842 (1.116)	0.160 (0.112)	2.030* (1.204)
Cerebrovascular / peripheral vascular disease	0.234	1.847	0.254	1.528

	(0.166)	(1.320)	(0.169)	(1.351)
Diabetes	0.207*	1.382	0.210*	1.123
	(0.108)	(0.973)	(0.114)	(1.097)
Congestive heart failure	0.123	1.520	0.0952	1.458
	(0.124)	(1.067)	(0.128)	(1.132)
Chronic pulmonary disease	0.311**	1.934	0.301*	1.812
	(0.152)	(1.555)	(0.160)	(1.592)
Liver or renal failure	-0.0753	0.850	-0.107	0.413
	(0.132)	(1.411)	(0.136)	(1.467)
Connective tissue disease	-0.0718	-1.371	-0.113	-1.790
	(0.214)	(2.331)	(0.227)	(2.483)
Other diseases ⁵	0.163	0.507	0.141	0.551
	(0.135)	(0.925)	(0.142)	(1.009)
No. of pre-index inpatient visits	0.193	0.389	0.224	0.340
	(0.157)	(1.180)	(0.162)	(1.198)
No. of pre-index inpatient days	0.00916	0.296	0.00577	0.291
	(0.0159)	(0.270)	(0.0165)	(0.274)
No. of pre-index outpatient specialist visits	-0.0246	-0.127	-0.0210	-0.0953
	(0.0184)	(0.152)	(0.0188)	(0.156)
No. of pre-index emergency department visits	-0.0491	-0.595	-0.0748	-0.619
	(0.0902)	(0.805)	(0.0949)	(0.816)
Observations	270	270	270	270
R-squared	0.232	0.199	0.212	0.172

Notes:

¹ Heteroskedasticity-robust standard errors in parentheses. *** p<0.01, ** p<0.05, * p<0.1

² Estimates of the effect of CareHub are from a regression model that includes controls for demographics, co-morbidities, and healthcare utilization in the 6 months before the index visit.

³ For the outcome variables “total days readmitted” in columns (2) and (4), patients without any readmissions are assigned a value of 0. These outcome variables thus capture effects due to reduced readmissions as well as reduced length of stay for patients who are readmitted.

⁴ Admission dates were shifted to mask confidential information. Therefore, our data includes admissions dated in December 2016, even though the last patient for our study was recruited in November 2016.

⁵ Other diseases include AIDS, cancer, and dementia.