

Supplementary File 4: Results of interrupted time-series analysis for emergency admissions on four long-term, ambulatory care sensitive conditions (ACSCs). Full results are provided, although the most relevant statistical tests (column “P>|t|”) are for the rows:

“_z_x659” the difference between the changes in intercept for SPQS and QOF pre/post intervention)

“_z_x_t659” the difference between the changes in gradient for SPQS and QOF pre/post intervention.

All are non-significant, revealing no excess increases in emergency admissions in SPQS practices for these four ACSCs after the implementation of the SPQS scheme. Significant differences were observed, however, for changes in the *control* slope and/or intercept pre/post intervention for Acute Myocardial Infarction, Stroke and Diabetes . These are highlighted in red below.

Acute Myocardial Infarction (AMI)

Description	PRIM_AMI	Newey-West				[95% Conf. Interval]	
		Coef.	Std. Err.	t	P> t		
Pre-intervention control gradient	_t	-.0007003	.0025541	-0.27	0.784	-.0057435	.0043429
Difference between control/SPQS pre-intervention intercepts	_z	.1396686	.0801094	1.74	0.083	-.0185102	.2978475
Difference between control/SPQS pre-intervention slopes	_z_t	-.0024182	.0034503	-0.70	0.484	-.009231	.0043946
Change in control intercept	_x653	-.1043759	.0677199	-1.54	0.125	-.2380911	.0293393
Change in control slope	_x_t653	.0091594	.0030779	2.98	0.003	.0030819	.0152369
difference between the changes in intercept for SPQS and QOF pre/post intervention	_z_x653	.0853708	.0946241	0.90	0.368	-.1014677	.2722093
difference between the changes in gradient for SPQS and QOF pre/post intervention	_z_x_t653	-.0003106	.0040914	-0.08	0.940	-.0083892	.0077679
Intercept of control pre-intervention	_cons	.8103239	.0652408	12.42	0.000	.6815037	.9391441

Chronic Obstructive Pulmonary Disease (COPD)

Description	PRIM COPD	Newey-West					
		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Pre-intervention control gradient	_t	.0105427	.0048903	2.16	0.033	.0008867	.0201988
Difference between control/SPQS pre-intervention intercepts	_z	.0619958	.1748488	0.35	0.723	-.2832492	.4072408
Difference between control/SPQS pre-intervention slopes	_z_t	-.0035803	.0077243	-0.46	0.644	-.0188323	.0116717
Change in control intercept	_x653	-.2382072	.1889151	-1.26	0.209	-.6112265	.1348121
Change in control slope	_x_t653	.0041691	.0078257	0.53	0.595	-.011283	.0196211
difference between the changes in intercept for SPQS and QOF pre/post intervention	_z_x653	.1413474	.2797523	0.51	0.614	-.4110331	.693728
difference between the changes in gradient for SPQS and QOF pre/post intervention	_z_x_t653	-.0046434	.011329	-0.41	0.682	-.0270129	.0177261
Intercept of control pre-intervention	_cons	1.122065	.1089517	10.30	0.000	.9069359	1.337194

Stroke

Description	PRIM STRK	Newey-West					
		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Pre-intervention control gradient	_t	.0100503	.0041188	2.44	0.016	.0019176	.0181831
Difference between control/SPQS pre-intervention intercepts	_z	.0528715	.0954745	0.55	0.580	-.1356461	.2413891
Difference between control/SPQS pre-intervention slopes	_z_t	-.0053472	.0047727	-1.12	0.264	-.014771	.0040765
Change in control intercept	_x653	-.0003719	.1374057	-0.00	0.998	-.2716843	.2709404
Change in control slope	_x_t653	-.0158336	.005394	-2.94	0.004	-.0264841	-.005183
difference between the changes in intercept for SPQS and QOF pre/post intervention	_z_x653	-.0449425	.1616696	-0.28	0.781	-.3641647	.2742798
difference between the changes in gradient for SPQS and QOF pre/post intervention	_z_x_t653	.0119868	.0062141	1.93	0.055	-.0002831	.0242568
Intercept of control pre-intervention	_cons	1.05749	.0852406	12.41	0.000	.8891793	1.2258

Diabetes

Description	PRIM DIAB	Newey-West					[95% Conf. Interval]	
		Coef.	Std. Err.	t	P> t			
Pre-intervention control gradient	_t	.0025823	.0026916	0.96	0.339	-.0027323	.0078969	
Difference between control/SPQS pre-intervention intercepts	_z	.0005698	.0759019	0.01	0.994	-.1493012	.1504408	
Difference between control/SPQS pre-intervention slopes	_z_t	-.0001994	.0029745	-0.07	0.947	-.0060726	.0056738	
Change in control intercept	_x653	-.2114749	.0751425	-2.81	0.005	-.3598463	-.0631036	
Change in control slope	_x_t653	.0063408	.0033715	1.88	0.062	-.0003164	.012998	
difference between the changes in intercept for SPQS and QOF pre/post intervention	_z_x653	.1864524	.0866148	2.15	0.033	.0154285	.3574763	
difference between the changes in gradient for SPQS and QOF pre/post intervention	_z_x_t653	-.0052892	.0038335	-1.38	0.170	-.0128586	.0022802	
Intercept of control pre-intervention	_cons	.3890688	.0704267	5.52	0.000	.2500088	.5281288	

Combined (AMI/COPD/Stroke/Diabetes)

Description	SECD_AMI	Newey-West					[95% Conf. Interval]	
		Coef.	Std. Err.	t	P> t			
Pre-intervention control gradient	_t	.0224751	.0064245	3.50	0.001	.0097898	.0351604	
Difference between control/SPQS pre-intervention intercepts	_z	.2551058	.227217	1.12	0.263	-.193542	.7037535	
Difference between control/SPQS pre-intervention slopes	_z_t	-.0115452	.009923	-1.16	0.246	-.0311385	.0080482	
Change in control intercept	_x653	-.5544301	.2489365	-2.23	0.027	-1.045964	-.0628964	
Change in control slope	_x_t653	.0038357	.0103935	0.37	0.713	-.0166866	.024358	
difference between the changes in intercept for SPQS and QOF pre/post intervention	_z_x653	.3682284	.3741294	0.98	0.326	-.3705031	1.10696	
difference between the changes in gradient for SPQS and QOF pre/post intervention	_z_x_t653	.0017436	.0148231	0.12	0.907	-.0275252	.0310124	
Intercept of control pre-intervention	_cons	3.378947	.1531439	22.06	0.000	3.07656	3.681335	