

Supplemental Table 2. Interrupted time series analysis estimates of trends for clinical diagnosis group distribution (percent among all claim-level clinical diagnosis groups) by pre- and post-transition* time periods, level changes, and slope changes —Magnitude (Coefficient), 95% Confidence Intervals (CI), and p-values (P).

Clinical Diagnosis Group	Pre-transition											Post-transition changes				
	N	Intercept Constant	95% CI	Slope			P	Slope change (% per year)			Level change					
				Magnitude (% per year)	95% CI (% per year)	P		Magnitude	95% CI	P	Magnitude	95% CI	% Change at Transition*	P	Model	
Acute myocardial infarction/heart failure	71	-4.810	-5.090 to -4.530								-0.275	-0.778 to 0.228	-24.0	0.28	Negative binomial	
Amputation†	3,065	0.280	0.239 to 0.320	-0.003	-0.010 to 0.005	0.44	-0.004	-0.019 to 0.011	0.63	0.040	0.007 to 0.073	15.1	< 0.05	Linear		
Asbestosis	33	-5.934	-6.481 to -5.386							0.577	-0.206 to 1.36	78.1	0.15	Negative binomial		
Burn‡	17,558	1.431	1.337 to 1.525	-0.024	-0.044 to -0.003	< 0.05	0.034	-0.008 to 0.077	0.11	0.066	-0.036 to 0.168	5.0	0.20	Linear		
Carpal tunnel syndrome	2,494	0.338	0.305 to 0.371	-0.024	-0.030 to -0.018	< 0.001	0.006	-0.006 to 0.019	0.32	0.038	0.009 to 0.067	17.0	< 0.05	Linear		
Cellulitis or abscess	6,726	0.623	0.541 to 0.705	-0.021	-0.040 to -0.003	< 0.05	-0.012	-0.050 to 0.025	0.51	0.026	-0.048 to 0.101	5.0	0.48	Linear		
Complications of surgical and medical care nec†	1,048	0.155	0.131 to 0.180	-0.003	-0.009 to 0.003	0.35	0.006	-0.007 to 0.019	0.39	-0.009	-0.038 to 0.02	-6.4	0.54	Linear		
Congenital abnormalities nec and perinatal conditions	23	-5.757	-6.207 to -5.308							-1.033	-2.111 to 0.046	-64.4	0.06	Negative binomial		
Congenital spondylolisthesis	3	-7.603	-8.735 to -6.472							-12.339	-715.585 to 690.908	-100.0	0.97	Negative binomial		
Contact dermatitis and other eczema	4,181	0.313	0.242 to 0.383	-0.023	-0.040 to -0.007	< 0.01	0.011	-0.022 to 0.044	0.52	0.016	-0.055 to 0.086	8.0	0.66	Linear		
Contusion with intact skin surface‡	159,630	18.449	18.053 to 18.845	-0.011	-0.122 to 0.101	0.85	0.211	-0.026 to 0.447	0.08	-0.653	-1.185 to -0.122	-3.5	< 0.05	Linear		
Crushing injury‡	13,152	0.979	0.907 to 1.052	0.060	0.038 to 0.081	< 0.001	-0.082	-0.126 to -0.037	< 0.001	0.075	-0.034 to 0.185	5.9	0.174	Linear		
Disc disorders and spinal stenosis	10,049	1.412	1.327 to 1.497	-0.074	-0.094 to -0.054	< 0.001	0.001	-0.039 to 0.041	0.95	-0.020	-0.097 to 0.057	-1.9	0.60	Linear		
Diseases of musculoskeletal and connective tissue nec	8,434	1.110	1.030 to 1.190	-0.028	-0.047 to -0.009	< 0.01	-0.029	-0.066 to 0.009	0.13	0.041	-0.039 to 0.121	4.2	0.32	Linear		
Diseases of the blood and blood-forming organs	68	-4.941	-5.240 to -4.642							-0.017	-0.51 to 0.476	-1.7	0.95	Negative binomial		
Diseases of the circulatory system nec	1,293	0.145	0.113 to 0.177	0.002	-0.006 to 0.010	0.63	0.007	-0.009 to 0.023	0.41	-0.034	-0.071 to 0.002	-22.1	0.06	Linear		
Diseases of the digestive systems nec	703	0.075	0.052 to 0.098	-0.002	-0.007 to 0.004	0.55	0.004	-0.007 to 0.015	0.45	-0.029	-0.052 to -0.006	-43.3	< 0.05	Linear		
Diseases of the genitourinary system	299	0.027	0.012 to 0.0420	-0.001	-0.005 to 0.002	0.47	-0.001	-0.008 to 0.006	0.80	-0.006	-0.021 to 0.008	-28.6	0.40	Linear		
Diseases of the nervous system and sense organs nec	12,197	1.310	1.212 to 1.408	-0.050	-0.079 to -0.020	< 0.01	-0.009	-0.072 to 0.055	0.79	0.062	-0.074 to 0.198	5.8	0.37	Linear		
Diseases of the respiratory system nec	920	0.116	0.089 to 0.142	0.004	-0.002 to 0.009	0.16	-0.014	-0.025 to -0.003	< 0.05	-0.021	-0.046 to 0.003	-15.7	0.09	Linear		
Diseases of the skin and subcutaneous tissue nec	1,303	0.126	0.097 to 0.155	-0.005	-0.010 to 0.001	0.11	0.010	-0.001 to 0.022	0.08	0.030	0.003 to 0.057	28.8	< 0.05	Linear		
Dislocation†	4,550	0.527	0.476 to 0.579	0.002	-0.010 to 0.013	0.78	0.000	-0.024 to 0.023	0.97	0.056	0.006 to 0.106	10.5	< 0.05	Linear		
Endocrine, nutritional and metabolic diseases	315	0.021	< -0.001 to 0.042	-0.004	-0.009 to 0.001	0.15	0.002	-0.008 to 0.012	0.74	0.012	-0.01 to 0.033	400.0	0.29	Linear		
Foreign body, eye‡	14,096	1.496	1.367 to 1.625	-0.106	-0.137 to -0.075	< 0.001	0.012	-0.053 to 0.078	0.71	0.024	-0.134 to 0.182	2.4	0.77	Linear		
Foreign body, not eye‡	270	0.024	0.013 to 0.036	-0.002	-0.005 to 0.001	0.20	0.004	-0.003 to 0.010	0.25	-0.003	-0.016 to 0.01	-18.8	0.68	Linear		
Fracture - head†	3,088	0.434	0.393 to 0.475	-0.002	-0.012 to 0.008	0.72	-0.015	-0.036 to 0.006	0.16	0.035	-0.014 to 0.084	8.2	0.16	Linear		
Fracture - lower extremity†	16,983	1.630	1.525 to 1.735	0.072	0.047 to 0.097	< 0.001	0.027	-0.025 to 0.079	0.31	-0.141	-0.263 to -0.018	-7.2	< 0.05	Linear		
Fracture - nec‡	971	0.094	0.072 to 0.116	0.006	< 0.001 to 0.011	< 0.05	-0.008	-0.019 to 0.003	0.15	0.009	-0.017 to 0.035	7.4	0.51	Linear		
Fracture - neck and trunk‡	5,546	0.578	0.529 to 0.627	0.034	0.020 to 0.048	< 0.001	-0.015	-0.044 to 0.014	0.30	-0.050	-0.119 to 0.02	-6.7	0.16	Linear		
Fracture - upper extremity‡	28,112	2.869	2.717 to 3.020	0.023	-0.012 to 0.059	0.20	0.036	-0.035 to 0.108	0.31	0.072	-0.08 to 0.224	2.4	0.35	Linear		
Hernia	3,677	0.425	0.386 to 0.464	-0.009	-0.020 to 0.001	0.08	-0.006	-0.028 to 0.016	0.58	0.005	-0.044 to 0.054	1.3	0.84	Linear		
Infectious and parasitic diseases	652	0.076	0.053 to 0.098	-0.008	-0.014 to -0.001	< 0.05	-0.004	-0.017 to 0.009	0.55	0.033	0.002 to 0.064	84.6	< 0.05	Linear		
Injury to nerves and spinal cord‡	1,898	0.201	0.169 to 0.233	-0.001	-0.007 to 0.004	0.64	-0.003	-0.015 to 0.008	0.56	0.006	-0.018 to 0.031	3.1	0.61	Linear		
Internal or blood vessel injuries nec‡	1,724	0.153	0.128 to 0.178	0.007	< 0.001 to 0.013	< 0.05	0.001	-0.012 to 0.014	0.87	-0.006	-0.036 to 0.024	-3.3	0.68	Linear		
Intracranial injury†	11,186	1.125	0.994 to 1.256	0.082	0.052 to 0.113	< 0.001	0.021	-0.041 to 0.082	0.50	-0.096	-0.227 to 0.035	-6.3	0.15	Linear		
Joint disorders nec	4,112	0.372	0.322 to 0.422	0.002	-0.009 to 0.013	0.67	0.004	-0.019 to 0.026	0.75	0.019	-0.031 to 0.069	5.0	0.46	Linear		
Knee disorders	1,172	0.236	0.197 to 0.274	-0.003	-0.010 to 0.003	0.31	0.001	-0.013 to 0.014	0.93	0.025	-0.006 to 0.057	11.4	0.11	Linear		
Knee sprain or tear‡	19,864	1.521	1.372 to 1.67	0.009	-0.003 to 0.048	0.65	-0.034	-0.115 to 0.046	0.40	2.319	2.14 to 2.499	148.4	< 0.001	Linear		
Mental disorders from brain damage	1,452	0.153	0.114 to 0.193	0.012	0.003 to 0.022	< 0.05	-0.003	-0.022 to 0.016	0.74	-0.024	-0.064 to 0.015	-11.3	0.23	Linear		
Mental, behavioral and neurodevelopmental disorders	4,174	0.545	0.480 to 0.610	-0.020	-0.035 to -0.004	< 0.05	-0.012	-0.042 to 0.019	0.45	0.036	-0.03 to 0.101	8.0	0.28	Linear		
Neoplasms	194	0.009	-0.003 to 0.020	0.001	-0.002 to 0.004	0.45	0.000	-0.005 to 0.006	0.87	0.016	0.002 to 0.03	114.3	< 0.05	Linear		
Open wounds nec‡	173,395	13.744	13.237 to 14.250	0.119	-0.031 to 0.269	0.12	-0.109	-0.436 to 0.219	0.51	0.435	-0.302 to 1.171	3.0	0.24	Linear		
Other and unspecified effects of external cause nec‡	17,648	1.245	1.054 to 1.435	0.184	0.145 to 0.224	< 0.001	-0.172	-0.252 to -0.091	< 0.001	0.250	0.095 to 0.405	11.8	< 0.05	Linear		
Pneumoconiosis, resp. Cond. Due to external agents	826	0.067	0.040 to 0.094	0.014	0.006 to 0.022	< 0.001	-0.022	-0.038 to -0.006	< 0.001	-0.031	-0.066 to 0.005	-23.3	0.09	Linear		
Poisoning and toxic effects, medical or non-medical†	5,861	0.263	0.160 to 0.366	0.008	-0.012 to 0.028	0.45	-0.051	-0.091 to -0.01	< 0.05	0.164	0.077 to 0.251	54.8	< 0.001	Linear		

Clinical Diagnosis Group	N	Pre-transition			Slope change (% per year)			Level change					
		Intercept Constant	95% CI	Slope Magnitude (% per year)	95% CI (% per year)	P	Magnitude	95% CI	P	Magnitude	95% CI	% Change at Transition*	P Model
Pregnancy related conditions and adverse outcomes	20	-5.994	-6.500 to -5.488							-0.573	-1.585 to 0.439	-43.6	0.27 Negative binomial
Soft tissue/enthesopathy	26,656	3.413	3.295 to 3.530	-0.057	-0.091 to -0.024	< 0.01	-0.050	-0.124 to 0.023	0.18	-0.339	-0.497 to -0.181	-10.8	< 0.05 Linear
Spinal osteoarthritis	884	0.133	0.111 to 0.155	-0.013	-0.018 to -0.008	< 0.001	0.019	0.008 to 0.029	< 0.001	-0.010	-0.034 to 0.013	-14.3	0.386 Linear
Sprains - back [‡]	89,838	11.661	11.376 to 11.946	-0.203	-0.269 to -0.136	< 0.001	-0.133	-0.267 to 0.001	0.05	-0.442	-0.727 to -0.157	-4.1	< 0.05 Linear
Sprains - lower extremity except knee [‡]	69,643	8.276	8.025 to 8.527	0.032	-0.050 to 0.114	0.44	0.004	-0.173 to 0.182	0.96	-2.221	-2.604 to -1.838	-26.4	< 0.001 Linear
Sprains - nec [‡]	17,412	1.284	1.161 to 1.407	-0.041	-0.070 to -0.012	< 0.01	0.148	0.090 to 0.206	< 0.001	0.482	0.358 to 0.605	44.3	< 0.05 Linear
Sprains - neck [‡]	41,872	5.348	5.179 to 5.517	0.022	-0.024 to 0.067	0.35	-0.021	-0.116 to 0.074	0.66	-0.157	-0.366 to 0.052	-2.9	0.14 Linear
Sprains - upper extremity [‡]	97,064	10.502	10.292 to 10.713	0.121	0.068 to 0.173	< 0.001	0.034	-0.072 to 0.141	0.53	-0.178	-0.419 to 0.062	-1.6	0.14 Linear
Superficial injury [‡]	49,773	4.556	4.379 to 4.732	-0.095	-0.146 to -0.044	< 0.001	0.146	0.039 to 0.254	< 0.001	0.344	0.083 to 0.605	8.4	< 0.05 Linear
Symptoms, signs, abnormal clinical or laboratory findings nec	1,144	0.148	0.117 to 0.179	-0.010	-0.017 to -0.003	< 0.01	0.015	0.001 to 0.03	< 0.05	-0.027	-0.055 to 0.001	-27.3	0.057 Linear

Constant/intercept, Coef= regression coefficient, 95% Confidence Intervals (CI), and p-values (P).

*For linear models, the percent change at transition is equal to 100 times the ratio of the level change coefficient (β_1) to the difference between the post-transition intercept (β_2) and the level change coefficient [$100 * (\beta_1 / \beta_2 - \beta_1)$]. For negative binomial models the percent change at transition is equal to 100 times the difference between the exponentiated coefficient minus 1.

[‡]All diagnosis codes included in this group are from the traumatic injuries ICD-9-CM and ICD-10-CM chapters.

Note: Two groups with zero claims were excluded from this table: Black Lung (managed in a different program), and Death - cause unknown