



**Supplementary Figure 1.** Flow diagram of included subjects. EGD, esophagogastroduodenoscopy.

**Supplementary Table 1.** Cox Proportional Hazards for Repeat Endoscopy Excluding Individuals With Likely Appropriate Classification Aside From Barrett's Esophagus

Factor	No. with no surveillance / No. with surveillance	Crude hazard ratio (95% confidence interval)	Mutually adjusted hazard ratio (95% confidence interval)
Sex			
Male	5108 / 5479	1 (reference)	1 (reference)
Female	3291 / 3351	0.943 (0.903–0.984)	0.951 (0.911–0.993)
Age at index endoscopy, yr			
65–69	2537 / 2890	1 (reference)	1 (reference)
70–74	2063 / 2561	0.965 (0.915–1.02)	0.962 (0.912–1.02)
75–79	1745 / 1906	0.928 (0.876–0.983)	0.921 (0.869–0.976)
80–84	1293 / 1031	0.839 (0.781–0.900)	0.832 (0.775–0.894)
85–89	623 / 383	0.826 (0.743–0.918)	0.818 (0.735–0.911)
≥90	138 / 59	0.615 (0.475–0.795)	0.610 (0.471–0.790)
Charlson-Deyo weighted comorbidity score			
0	1605 / 958	1 (reference)	1 (reference)
1	1457 / 1245	0.959 (0.882–1.04)	0.963 (0.885–1.05)
2	1280 / 1301	0.971 (0.893–1.05)	0.980 (0.901–1.06)
3	1084 / 1166	0.960 (0.882–1.04)	0.977 (0.897–1.06)
4–5	1353 / 1815	0.999 (0.924–1.08)	1.02 (0.946–1.11)
6–8	959 / 1415	0.995 (0.917–1.08)	1.03 (0.950–1.12)
>9	661 / 930	1.00 (0.915–1.10)	1.04 (0.948–1.14)
Region			
Northeast	1421 / 1864	1 (reference)	1 (reference)
North Central	2269 / 2738	0.895 (0.844–0.949)	0.899 (0.848–0.953)
South	2963 / 2514	0.950 (0.895–1.01)	0.948 (0.893–1.01)
West	1435 / 1445	0.874 (0.816–0.936)	0.878 (0.820–0.940)
Unknown	311 / 269	0.969 (0.853–1.10)	0.963 (0.847–1.09)