

Supplemental Table 1. Adjusted positive predictive values (aPPV) of identifying cancer, by symptom, age group and patient sex, based on modelled output from regression analysis which included additional symptom combinations.

Symptoms	aPPV cancer by age-group in females								aPPV cancer by age-group in males					
	Procs	Cancers	18-39	40-49	50-59	60-69	70-79	80-99	18-39	40-49	50-59	60-69	70-79	80-99
Dysphagia & Weight loss	3,930	339	0.26%	1.00%	2.66%	4.69%	6.34%	7.26%	0.75%	2.84%	7.30%	12.32%	16.13%	18.16%
>2 Symptoms, including Dysphagia	4,769	175	0.15%	0.58%	1.55%	2.76%	3.77%	4.34%	0.43%	1.66%	4.36%	7.55%	10.09%	11.48%
Dysphagia & Nausea/Vomiting	1,242	42	0.13%	0.51%	1.37%	2.44%	3.34%	3.84%	0.38%	1.46%	3.87%	6.73%	9.02%	10.28%
Dysphagia	49,896	1,818	0.12%	0.46%	1.26%	2.24%	3.07%	3.54%	0.35%	1.34%	3.56%	6.20%	8.34%	9.52%
Dysphagia & Anaemia	1,042	38	0.11%	0.42%	1.13%	2.02%	2.77%	3.20%	0.31%	1.21%	3.22%	5.63%	7.59%	8.67%
Dysphagia & Dyspepsia	6,944	132	0.07%	0.29%	0.79%	1.42%	1.95%	2.25%	0.22%	0.85%	2.27%	4.00%	5.43%	6.24%
>2 Symptoms, excluding Dysphagia	6,026	84	0.06%	0.23%	0.62%	1.12%	1.54%	1.78%	0.17%	0.67%	1.79%	3.18%	4.34%	4.99%
Weight loss & Nausea/Vomiting	2,907	44	0.06%	0.22%	0.59%	1.07%	1.47%	1.70%	0.16%	0.63%	1.71%	3.03%	4.14%	4.76%
Weight loss & Dyspepsia	8,318	128	0.05%	0.21%	0.57%	1.03%	1.41%	1.63%	0.16%	0.61%	1.64%	2.92%	3.99%	4.59%
Nausea/Vomiting & Anaemia	411	6	0.05%	0.20%	0.54%	0.98%	1.34%	1.55%	0.15%	0.58%	1.56%	2.78%	3.80%	4.37%
Dysphagia & Reflux	7,329	79	0.04%	0.17%	0.47%	0.84%	1.16%	1.34%	0.13%	0.50%	1.35%	2.40%	3.28%	3.79%
Weight loss & Reflux	1,365	17	0.04%	0.16%	0.42%	0.76%	1.05%	1.22%	0.12%	0.45%	1.22%	2.19%	2.99%	3.45%
Nausea/Vomiting	11,424	89	0.04%	0.15%	0.40%	0.73%	1.00%	1.16%	0.11%	0.43%	1.17%	2.09%	2.86%	3.30%
Weight loss & Anaemia	2,954	45	0.04%	0.14%	0.38%	0.68%	0.94%	1.08%	0.10%	0.40%	1.09%	1.95%	2.67%	3.08%
Weight loss	10,031	89	0.03%	0.10%	0.28%	0.51%	0.70%	0.81%	0.08%	0.30%	0.81%	1.46%	2.00%	2.31%
Anaemia & Dyspepsia	3,930	20	0.02%	0.07%	0.20%	0.35%	0.49%	0.57%	0.05%	0.21%	0.57%	1.02%	1.41%	1.63%
Anaemia	64,664	415	0.02%	0.06%	0.17%	0.31%	0.43%	0.50%	0.05%	0.19%	0.51%	0.91%	1.25%	1.45%
Nausea/Vomiting & Dyspepsia	7,951	17	0.01%	0.05%	0.13%	0.24%	0.34%	0.39%	0.04%	0.14%	0.39%	0.71%	0.97%	1.13%
Dyspepsia	105,802	254	0.01%	0.05%	0.12%	0.23%	0.31%	0.36%	0.03%	0.13%	0.36%	0.65%	0.90%	1.05%
Anaemia & Reflux	1,389	4	0.01%	0.04%	0.11%	0.19%	0.27%	0.31%	0.03%	0.11%	0.31%	0.56%	0.77%	0.89%
Reflux	53,685	98	0.01%	0.03%	0.09%	0.16%	0.22%	0.26%	0.02%	0.10%	0.26%	0.47%	0.65%	0.75%
Dyspepsia & Reflux	23,565	32	0.01%	0.03%	0.07%	0.13%	0.18%	0.21%	0.02%	0.08%	0.21%	0.38%	0.52%	0.60%
Nausea/Vomiting & Reflux	2,796	3	0.01%	0.02%	0.06%	0.11%	0.15%	0.18%	0.02%	0.07%	0.18%	0.32%	0.45%	0.52%