

Supplementary Table 1. Time to cancer diagnosis based on CEA level and type of cancer.

Type of Cancer		CEA ≤ 3 ng/mL (n = 1193)								CEA > 3 ng/mL (n = 238)								
		Total 1	Time to Diagnosis						Total 2	Risk 3	Time to Diagnosis						Total 5	Risk 6
			0–12 months ¹	13–24 months ¹	>24 months ¹						0–12 months ⁴	13–24 months ⁴	>24 months ⁴					
H&N	1	1	100.0	0	0.0	0	0.0	1	0.08	0	NA	0	NA	0	NA	0	0.00	
GIC	Oesophageal	2	1	50.0	0	0.0	1	50.0	2	0.17	0	NA	0	NA	0	NA	0	0.00
	Gastric	15	7	63.6	2	18.2	2	18.2	11	0.92	4	100.0	0	0.0	0	0.0	4	1.68
	Small Bowell	3	1	50.0	0	0.0	1	50.0	2	0.17	1	100.0	0	0.0	0	0.0	1	0.42
	Ampullary	2	0	NA	0	NA	0	NA	0	0.00	2	100.0	0	0.0	0	0.0	2	0.84
	CRC	8	1	25.0	1	25.0	2	50.0	4	0.34	2	50.0	0	0.0	2	50.0	4	1.68
Hepatobiliar y	Gallbladder	2	1	50.0	1	50.0	0	0.0	2	0.17	0	NA	0	NA	0	NA	0	0.00
	Pancreas	3	1	50.0	0	0.0	1	50.0	2	0.17	1	100.0	0	0.0	0	0.0	1	0.42
	Hepatocarcinom a	4	1	50.0	0	0.0	1	50.0	2	0.17	2	100.0	0	0.0	0	0.0	2	0.84
Skin	Basal cell	4	1	33.3	1	33.3	1	33.3	3	0.25	0	0.0	0	0.0	1	100.0	1	0.42
	Melanoma	1	1	100.0	0	0.0	0	0.0	1	0.08	0	NA	0	NA	0	NA	0	0.00
	Unspecified	7	3	50.0	3	50.0	0	0.0	6	0.50	0	0.0	0	0.0	1	100.0	1	0.42
Ginaecology	Endometrial	2	0	0.0	0	0.0	2	100.0	2	0.17	0	NA	0	NA	0	NA	0	0.00
	Ovarian	4	1	50.0	0	0.0	1	50.0	2	0.17	2	100.0	0	0.0	0	0.0	2	0.84
Respiratory	Breast	8	0	0.0	2	40.0	3	60.0	5	0.42	0	0.0	2	66.7	1	33.3	3	1.26
	Lung	9	1	25.0	0	0.0	3	75.0	4	0.34	3	60.0	2	40.0	0	0.0	5	2.10
Urology	Kidney	5	0	0.0	2	66.7	1	33.3	3	0.25	1	50.0	0	0.0	1	50.0	2	0.84
	Urotelial	1	0	0.0	0	0.0	1	100.0	1	0.08	0	NA	0	NA	0	NA	0	0.00
	Prostate	10	2	22.2	1	11.1	6	66.7	9	0.75	0	0.0	1	100.0	0	0.0	1	0.42
Haematolog y	Vesical	5	3	60.0	0	0.0	2	40.0	5	0.42	0	NA	0	NA	0	NA	0	0.00
	Leukemia	1	0	0.0	0	0.0	1	100.0	1	0.08	0	NA	0	NA	0	NA	0	0.00
	Lymphoma	6	3	60.0	0	0.0	2	40.0	5	0.42	1	100.0	0	0.0	0	0.0	1	0.42
	Myeloma	3	1	33.3	0	0.0	2	66.7	3	0.25	0	NA	0	NA	0	NA	0	0.00
Other	Unspecified	2	0	0.0	1	100.0	0	0.0	1	0.08	1	100.0	0	0.0	0	0.0	1	0.42
	Glioblastoma	1	0	0.0	0	0.0	1	100.0	1	0.08	0	NA	0	NA	0	NA	0	0.00
	Schwannoma	1	1	100.0	0	0.0	0	0.0	1	0.08	0	NA	0	NA	0	NA	0	0.00

Kaposi	1	0	0.0	1	100.0	0	0.0	1	0.08	0	NA	0	NA	0	NA	0	0.00
Cancer of unknown origin	4	0	0.0	3	75.0	1	25.0	4	0.34	0	NA	0	NA	0	NA	0	0.00
Total	115	31	36.9	18	21.4	35	41.7	84	7.04	20	64.5	5	16.1	6	19.4	31	13.03

CEA = carcinoembryonic antigen; CRC = colorectal cancer; GIC = gastrointestinal cancer; H&N = head and neck cancer; NA = not applicable; 1 number of cancer diagnosed for each period of time from baseline colonoscopy and their percentage with respect to total diagnosed cancer of the same type in patients with CEA $\leq$ 3 ng/mL; 2 Total number of each type diagnosed cancer in patients with CEA $\leq$ 3 ng/mL; 3 Incidence of each type of cancer in patients with CEA $\leq$ 3 ng/mL; 4 number of cancer diagnosed for each period of time from baseline colonoscopy and their percentage with respect to total diagnosed cancer of the same type in patients with CEA $>$ 3 ng/mL; 5 Total number of each type diagnosed cancer in patients with CEA $>$ 3 ng/mL; 6 Incidence of each type of cancer in patients with CEA $>$ 3 ng/mL;.