

Supplementary table 1: Distribution of missing in pre-diagnostic information (%) among CRC survivors by those alive, CRC death, and non-CRC death: the Norwegian Women and Cancer Study

Characteristics	Total	Alive	CRC death	Non-CRC death
Total cohort (n)	1,861	1,201	550	110
Physical activity	13.4	13.2	12.7	19.1
Body mass index (SD)	2.6	2.2	3.3	3.6
Duration of education (SD)	7.5	6.8	8.7	9.1
Annual household income	9.1	8.1	10.7	11.8
Alcohol intake (SD)	7.7	7.4	7.8	10.0
Smoking status (%)	1.6	1.7	1.5	1.8

Supplementary table 2: Comparison of the complete-case and imputed dataset by pre-diagnostic demographic, lifestyle, and dietary characteristics: the Norwegian Women and Cancer study

Characteristics		Missing n (%)	Complete-case mean (SD), or %	Multiply imputed mean (SD), or %
Age at diagnosis of CRC		0 (0)	66.4 (8.7)	66.4 (8.7)
Physical activity		250 (13.4)	5.5 (1.9)	5.5 (1.9)
Body mass index (SD)		48 (2.6)	25.2 (4.1)	25.2 (4.1)
Duration of education (SD)		140 (7.5)	11.1 (3.4)	11.0 (3.4)
Annual household income		169 (9.1)		
	Low (%)		50.6%	50.6%
	Medium (%)		40.7%	40.7%
	High (%)		8.7%	8.7%
Alcohol intake (SD)		143 (7.7)	3.1 (4.5)	3.1 (4.5)
Smoking status (%)		30 (1.6)		
	Never (%)		34.2%	34.6%
	Ex (%)		36.4%	36.2%
	Current (%)		29.4%	29.2%
Red and processed meat intake		0 (0)	45.9 (26.9)	45.9 (26.9)
Fish intake		0 (0)	102.8 (63.5)	102.8 (63.5)
Vegetable and fruit intake		0 (0)	321.0 (201.7)	321.0 (201.7)
Vitamin D intake		0 (0)	9.0 (7.8)	9.0 (7.8)

CRC: Colorectal cancer; SD: standard deviation