

Supplementary Table 1. Characteristics of included studies of glycosylated hemoglobin and colorectal cancer risk

Study	Year	Country	Design	Sample size	Sex	Baseline	Age, yr	Follow-up time, yr	Adjusted confounders/matched factors
Saydah et al. [36]	2003	United States	Nested case-control study	CRC: 173, Control: 346	M/F	1989	> 18	11 (max)	Age, sex, race, time since last meal, and date of blood draw
Wei et al. [37]	2005	United States	Nested case-control study	CRC: 182, Control: 350	F	1989–1990	30–55	11 (max)	BMI, physical activity, pack-years smoked, alcohol intake, family history of colorectal cancer, aspirin use, history of screening, menopausal status, and use of postmenopausal hormones
Stocks et al. [42]	2008	Sweden	Nested case-control study	CRC: 306, Control: 595	M/F	1985/1995	50–70	NA	Case-control status, sex, age, smoking status, and fasting time before blood draw
Rinaldi et al. [38]	2008	10 European countries	Nested case-control study	CC: 644, Control: 644 RC: 382, Control: 382	M/F	1992–1998	35–69	3.5 (mean) for CC cases; 3.6 (mean) for RC cases	Recruitment center, gender, age at blood donation, time of the day at blood donation, follow-up time, fasting status and, in women, menopausal status and phase of the menstrual cycle for premenopausal women, waist-to-hip ratio, and alcohol
Joshu et al. [39]	2012	United States	Cohort study	CRC: 129 (F), CRC: 139 (M), Cohort: 12,792	M/F	1990–1992	45–64	15 (median)	Age at the second visit, race/ethnicity, study site, education level, cigarette smoking status, cigarette-years smoked, BMI, and waist circumference
Goto et al. [40]	2016	Japan	Cohort study	CC: 221, RC: 84, Cohort: 28,629	M/F	1998–2000, 2003–2005	46–80	8.5 (median)	Age, sex, public health center area, BMI, smoking status, sports and physical activity, alcohol consumption, energy-adjusted vegetable intake, total energy intake, coffee consumption, and history of cardiovascular disease
Peila et al. [41]	2020	United Kingdom	Cohort study	CC: 2,495, RC: 958, Cohort: 476,517	M/F	2006–2010	40–69	7.1 (mean)	Age, sex, education, non-white race, smoking status, smoking-years (packs), alcohol intake, physical activity, BMI, colon cancer screening, and hormone replacement therapy

CRC, colorectal cancer; BMI, body mass index; NA, not available; CC, colon cancer; RC, rectal cancer.