

**Electronic supplementary material**

**ESM Table 1** Characteristics of initial scan and replication study participants

Study traits	WTCCC		DGI		FUSION		DUNDEE	
	Cases	Controls	Cases	Controls	Cases	Controls <sup>a</sup>	Cases	Controls
Overall sample size	1,924	2,938	1,022	1,075	1,161	1,174	3,125	3,596
Men (%)	58.1	49.2	51.2	48.2	56.2	48.9	55.5	50.2
Age (years) at diagnosis or study, mean (SD) or median (IQR)	50 (9)	N/A	65 (10)	59(10)	53 (12.0)	70 (8.0) 62 (9.0)	58 (12)	60 (13)
BMI (kg/m <sup>2</sup> ), mean (SD) or median (IQR)	31.3 (6.2)	N/A	28.1 (4.1)	27.6 (3.7)	29.8 (6.1)	26.8 (5.0)	31.0 (6.0)	26.9 (4.6)

<sup>a</sup>FUSION controls come from two sources: see [43]

IQR, interquartile range