

Supplementary Table 1. Comparisons of characteristics between included and excluded participants.

□	Included (n=905)	Excluded (n=454)	P-value
<b>Age at recruitment, years</b>			<0.001
Mean	51.9	54.8	
SD	12.0	11.2	
<b>Male, n (%)</b>	803 (88.7)	389 (85.7)	0.107
<b>BMI≥28 kg/m<sup>2</sup>, n (%)</b>	54 (6.0)	21 (4.7)	0.329
<b>Education level, n (%)</b>			0.633
Primary school or below	181 (20.0)	98 (21.8)	
Secondary & High school	548 (60.6)	260 (57.8)	
College or above	176 (19.4)	92 (20.4)	
<b>Residence, n (%)</b>			0.055
Urban	619 (68.4)	333 (73.3)	
Rural	286 (31.6)	121 (26.7)	
<b>Smoker, n (%)</b>			<0.001
Current	264 (29.2)	168 (37.0)	
former	278 (30.7)	71 (15.6)	
Never	363 (40.1)	215 (47.4)	
<b>Alcohol drinker, n (%)</b>			0.097
Current	240 (26.5)	102 (22.5)	
former	148 (16.4)	65 (14.3)	
Never	517 (57.1)	287 (63.2)	
<b>Physical activity, MET. h/day</b>			
Median	29.4		
Interquartile range	25.6-36.7		
<b>With family history of PLC, n (%)</b>	134 (14.8)	60 (13.2)	0.331
<b>HBV/HCV infection, n (%)</b>	813 (89.8)	411 (90.5)	0.774
<b>CRP≥3 mg/L, n (%)</b>	434 (48.0)	235 (52.1)	0.155
<b>Arterial hypertension, n (%)</b>	132 (14.6)	69 (15.2)	0.764
<b>Diabetes, n (%)</b>	85 (9.4)	39 (8.6)	0.628
<b>Fatty liver or cirrhosis, n (%)</b>	647 (71.5)	313 (69.0)	0.471
<b>Regional lymph nodes, n (%)</b>			0.206
Yes	35 (3.9)	27 (5.9)	
No	842 (93.0)	415 (91.4)	
Unsure	28 (3.1)	12 (2.6)	
<b>Distant metastasis, n (%)</b>			0.227
Yes	32 (3.5)	21 (4.6)	
No	862 (95.2)	423 (93.2)	
Unsure	11 (1.3)	10 (2.2)	
<b>Tumor number, n (%)</b>			0.995
Solitary	558 (61.7)	280 (61.7)	
Multiple	347 (38.3)	174 (38.3)	
<b>Tumor size≥5cm, n (%)</b>	482 (53.9)	239 (53.1)	0.81
<b>Vascular invasion, n (%)</b>	182 (20.1)	85 (18.7)	0.544

<b>Child-Pugh class, n (%)</b>			0.139
A	891 (98.5)	441 (97.1)	
B	14 (1.5)	13 (2.9)	
<b>Diagnosed only by imaging, n (%)</b>	358 (39.6)	170 (37.4)	0.451
<b>Diagnosed by pathology, n (%)</b>	547 (60.4)	284 (62.6)	0.451
<b>Treatment, n (%)</b>			0.356
Liver resection	434 (48.0)	214 (47.2)	
Radiofrequency ablation	97 (10.7)	40 (8.8)	
Intervention	347 (38.3)	172 (37.9)	
Others	27 (3.0)	28 (6.2)	□

Abbreviations: SD, standard deviation; BMI, body mass index; PLC, primary liver cancer; CRP, C-reactive protein.