

**Supplement Table 1.** Characteristics of participants at the endpoint

Variable	Infertility		p-value
	With	Without	
Overall	2,326 (20.00)	9,304 (80.00)	
CVDs			<0.001
Without	1,929 (82.93)	8,203 (88.17)	
With	397 (17.07)	1,101 (11.83)	
Age (y)	37.05±8.96	37.59±9.91	0.018
Married			<0.001
No	741 (31.86)	4,662 (50.11)	
Yes	1,585 (68.14)	4,642 (49.89)	
Education (y)			<0.001
<12	732 (31.47)	4,660 (50.09)	
≥12	1,594 (68.53)	4,644 (49.91)	
Insurance premium (TWD)			<0.001
<18,000	1,614 (69.39)	9,145 (98.29)	
18,000–34,999	369 (15.86)	102 (1.10)	
≥35,000	343 (14.75)	57 (0.61)	
DM			<0.001
Without	2,224 (95.61)	8,727 (93.80)	
With	102 (4.39)	577 (6.20)	
Metabolic syndrome			-
Without	2,326 (100.00)	9,304 (100.00)	
With	0 (0.00)	0 (0.00)	
Hyperlipidemia			0.972
Without	2,276 (97.85)	9,101 (97.82)	
With	50 (2.15)	203 (2.18)	
CKD			0.018
Without	2,295 (98.67)	9,108 (97.89)	
With	31 (1.33)	196 (2.11)	
COPD			<0.001
Without	2,216 (95.27)	9,156 (98.41)	
With	110 (4.73)	148 (1.59)	
Scrotal varices			<0.001
Without	1,873 (80.52)	9,259 (99.52)	
With	453 (19.48)	45 (0.48)	
Obesity			0.052
Without	2,321 (99.79)	9,296 (99.91)	
With	5 (0.21)	8 (0.09)	
Depression			0.003
Without	2,301 (98.93)	9,220 (99.10)	
With	25 (1.07)	84 (0.90)	
Anxiety			0.001
Without	2,316 (99.57)	9,285 (99.80)	
With	10 (0.43)	19 (0.20)	
Manic disorder			0.187
Without	2,320 (99.74)	9,265 (99.58)	
With	6 (0.26)	39 (0.42)	
Alcoholic psychoses			<0.001
Without	2,326 (100.00)	9,161 (98.46)	
With	0 (0.00)	143 (1.54)	

**Supplement Table 1.** Continued

Variable	Infertility		p-value
	With	Without	
Tobacco use disorder			0.983
Without	2,326 (100.00)	9,303 (99.99)	
With	0 (0.00)	1 (0.01)	
Season			<0.001
Spring	694 (29.84)	2,351 (25.27)	
Summer	538 (23.13)	2,487 (26.73)	
Autumn	633 (27.21)	2,423 (26.04)	
Winter	461 (19.82)	2,043 (21.96)	
Location			<0.001
Northern	1,210 (52.02)	3,825 (41.11)	
Central	465 (19.99)	2,601 (27.96)	
Southern	540 (23.22)	2,377 (25.55)	
Eastern	111 (4.77)	498 (5.35)	
Outlying islands	0 (0.00)	3 (0.03)	
Urbanization level			<0.001
1	917 (39.42)	3,345 (35.95)	
2	998 (42.91)	3,824 (41.1)	
3	123 (5.29)	903 (9.71)	
4	288 (12.38)	1,232 (13.24)	
Level of care			<0.001
Medical center	1,111 (47.76)	2,926 (31.45)	
Regional hospital	853 (36.67)	3,605 (38.75)	
Local hospital	362 (15.56)	2,773 (29.80)	

Values are presented as number (%) or mean ± standard deviation. CVD: cardiovascular disease, TWD: Taiwan New Dollars, DM: diabetes mellitus, CKD: chronic kidney disease, COPD: chronic obstructive pulmonary disease, -: not available. p-values are chi-square or Fisher exact test on category variables and t-test on continue variables.