

**Supplementary Table S1 Demographic characteristics at first cycle for women enrolled in the Environment and Reproductive Health Study (EARTH), comparison of women included and excluded in oxidative stress analysis – median (IQR) or n (%).**

	Women included (n=481)	Women excluded (n=225)
Age (years)	35 (32, 38)	36 (32, 39)
missing	0	0
BMI (kg/m <sup>2</sup> )	23.4 (21.2, 26.4)	23.5 (21.5, 26.7)
missing	2	3
Race		
White	400 (83.2)	183 (81.7)
Black/African American	13 (2.70)	14 (6.25)
Asian	45 (9.36)	19 (8.48)
Other	23 (4.78)	8 (3.57)
missing	0	1
Education		
<College graduate	39 (9.03)	10 (5.18)
≥College graduate	393 (91.0)	183 (94.8)
missing	49	32
Smoking status		
Never	350 (72.8)	170 (75.9)
Current	13 (2.70)	4 (1.79)
Former	118 (24.5)	50 (22.3)
missing	0	
Primary infertility diagnosis at study entry		
Female factor		
Diminished ovarian reserve	42 (8.73)	28 (12.4)
Ovulation disorders	55 (11.4)	28 (12.4)
Endometriosis	29 (6.03)	6 (2.67)
Uterine disorders	5 (1.04)	4 (1.78)
Tubal factor	28 (5.82)	10 (4.44)
Male factor	137 (28.5)	53 (23.6)
Unexplained	185 (38.5)	98 (42.2)
missing	0	1

Abbreviations: body mass index (BMI); interquartile range (IQR).