

Supplemental Table 1. ICD-9 and ICD-10 diagnosis codes used to define diagnosis of female infertility.

<b>Diagnosis</b>	<b>ICD-9 Code</b>	<b>ICD-10 Code</b>	<b>Comments</b>
Female infertility	628.x	N97.x	Includes the following diagnoses: female infertility associated with anovulation, female infertility of pituitary-hypothalamic origin, tubal origin, uterine origin, cervical or vaginal origin, or female infertility of other unspecified origin
Female infertility due to tubal stenosis or blockage	614.6	N73.6	Additional codes to capture tubal factor infertility
Female infertility due to male factor	606.9	Z31.81, N46.9, N46.8	

Supplemental Table 2. Propensity matching on a subgroup of the infertile and non-infertile cohorts. Absolute incidence, events per person years, hazard ratios and 95% confidence intervals (CI) reported for the association between female infertility and mortality with cohorts matched based on age, follow up time, nulliparity, obesity, smoking, year of visit, region and race.

			<b>Infertile</b>	<b>Non-Infertile</b>	<b>Crude HR (95% CI)</b>	<b>aHR* (95% CI)</b>
<b>All</b>		N	51,883	51,883	1.11 (0.87 - 1.41)	1.11 (0.87 - 1.41)
		Deaths (N, %)	126 (0.24)	140 (0.27)		
<b>Age (years)</b>	<35	N	28,798	28,798	1.31 (0.96 - 1.98)	1.30 (0.86 - 1.97)
		Deaths	39 (0.14)	51 (0.18)		
	≥35	N	23,085	23,085	1.02 (0.76 - 1.37)	1.02 (0.76 - 1.37)
		Deaths	87 (0.38)	89 (0.39)		
<b>MetS Diagnoses</b>	0	N			1.22 (0.89 - 1.68)	1.22 (0.89 - 1.68)
		Deaths	41,072	40,808		
	≥1	N	69 (0.17)	85 (0.21)	0.98 (0.68 - 1.41)	0.83 (0.96 - 1.14)

		Deaths	10,811	11,075	1.42)	1.39)
<b>CCI</b>	0	N	57 (0.51)	55 (0.51)	1.08 (0.77 - 1.50)	1.09 (0.78 - 1.51)
		Deaths				
	≥1	N	41,509	41,662	1.09 (0.77 - 1.54)	1.03 (0.73 - 1.46)
		Deaths	68 (0.16)	72 (0.17)		
<b>Follow-up time (years)</b>	<4	N	10,374	10,221	1.21 (0.90 - 1.63)	1.21 (0.89 - 1.64)
		Deaths	58 (0.57)	68 (0.66)		
	≥4	N			1.02 (0.67 - 1.55)	1.02 (0.68 - 1.55)
		Deaths	35,103	35,032		
<b>Race</b>	Asian	N	82 (0.23)	95 (0.27)	1.50 (0.25 - 8.98)	1.46 (0.24 - 8.75)
		Deaths	16,780	16,851		
	Black	N	44 (0.26)	45 (0.27)	1.47 (0.80 - 2.73)	1.47 (0.80 - 2.73)
		Deaths				
	Hispanic	N	3,927	3,927	0.70 (0.27 - 1.85)	0.66 (0.25 - 1.74)
		Deaths	<11	<11		
	White	N	4,281	4,281	1.09 (0.82 - 1.44)	1.08 (0.81 - 1.43)
		Deaths	17 (0.40)	25 (0.58)		

\*Adjusted for age, year of evaluation, smoking, number of visits per year, nulliparity, obesity, region of country and race.

MetS Diagnoses=Metabolic syndrome diagnoses: hypertension, hyperlipidemia, type II diabetes, and obesity

CCI=Charlson Comorbidity Index