

**Supplementary Table SII Association of pregnancy loss and paternal metabolic syndrome (MetS) stratified by paternal age.\***

Paternal age, years	Paternal MetS components	Ectopic		Spontaneous abortion		Stillbirth		Not live birth <sup>§</sup>	
		N (%)	RR (95% CI)	N (%)	RR (95% CI)	N (%)	RR (95% CI)	N (%)	RR (95% CI)
<30	0	1775 (85.3)	Ref	11 957 (86.2)	Ref	809 (87.7)	Ref	14 541 (86.2)	Ref
	1	226 (10.9)	1.12 [0.97–1.27]	1456 (10.5)	1.13 [1.07–1.18]	87 (9.4)	0.96 [0.75–1.17]	1769 (10.5)	1.12 [1.06–1.17]
	2	60 (2.9)	1.19 [0.89–1.49]	374 (2.7)	1.21 [1.10–1.32]	20 (2.2)	0.90 [0.50–1.30]	454 (2.7)	1.19 [1.08–1.30]
	3+	20+ (1.0)	1.66 [0.96–2.36]	82 (0.59)	1.13 [0.91–1.35]	<11 (0.76)	1.32 [0.34–2.30]	110 (0.65)	1.21 [1.01–1.45]
	<i>P</i> <sub>Trend</sub>		0.27		<0.0001		<0.0001		<0.0001
30–35	0	5761 (75.2)	Ref	42 353 (78.9)	Ref	2738 (78.1)	Ref	50 852 (78.4)	Ref
	1	1350 (17.6)	1.29 [1.22–1.37]	8299 (15.5)	1.12 [1.10–1.15]	544 (15.5)	1.11 [1.01–1.22]	10 193 (15.7)	1.13 [1.11–1.15]
	2	409 (5.3)	1.36 [1.23–1.50]	2384 (4.4)	1.17 [1.12–1.22]	176 (5.0)	1.27 [1.07–1.46]	2969 (4.6)	1.18 [1.14–1.22]
	3+	145 (1.9)	1.63 [1.37–1.90]	665 (1.2)	1.18 [1.08–1.27]	50 (1.4)	1.24 [0.89–1.59]	860 (1.3)	1.21 [1.13–1.29]
	<i>P</i> <sub>Trend</sub>		<0.0001		<0.0001		<0.0001		<0.0001
>35	0	6501 (63.1)	Ref	50 414 (66.1)	Ref	3157 (68.1)	Ref	60 072 (65.8)	Ref
	1	2343 (22.8)	1.21 [1.15–1.27]	16 618 (21.8)	1.12 [1.10–1.14]	931 (20.1)	1.00 [0.93–1.08]	19 892 (21.8)	1.10 [1.08–1.11]
	2	1025 (10.0)	1.35 [1.26–1.44]	6753 (8.9)	1.18 [1.14–1.21]	396 (8.6)	1.09 [0.97–1.21]	8174 (9.0)	1.14 [1.11–1.16]
	3+	427 (4.2)	1.58 [1.42–1.74]	2533 (3.3)	1.28 [1.22–1.35]	149 (3.2)	1.16 [0.96–1.35]	3109 (3.4)	1.16 [1.09–1.25]
	<i>P</i> <sub>Trend</sub>		<0.0001		<0.0001		<0.0001		<0.0001

\*Adjusted for outcome year, region, maternal hypertension, diabetes mellitus, obesity, hyperlipidemia, smoking and smoking. Percentages represent row totals of all pregnancy outcomes and may not add to 100% due to rounding. Data presented as relative risk with 95% CI.

<sup>§</sup>Ectopic + spontaneous abortion + stillbirth.