

**Supplementary Table S11** Baseline biomarker levels for women in the Study I cohort, which was sampled to evaluate the association between BMI and chance of pregnancy, with a measurement taken during the baseline year prior to polycystic ovary syndrome (PCOS) diagnosis.

	BMI category (kg/m <sup>2</sup> )					
	Total N = 9955	Normal (18.5–24.9) N = 2362	Overweight (25.0–29.9) N = 2068	Obesity class I (30.0–34.9) N = 2129	Obesity class II (35.0–39.9) N = 1768	Obesity class III (≥40) N = 1628
Glycated haemoglobin, %	5.4 (5.2–5.8) [n = 1364]	5.3 (5.1–5.6) [n = 192]	5.4 (5.1–5.6) [n = 227]	5.4 (5.2–5.8) [n = 309]	5.5 (5.3–5.9) [n = 287]	5.6 (5.4–6.0) [n = 349]
Systolic blood pressure, mmHg	120.0 (112.0–130.0) [n = 6728]	114.0 (108.0–121.0) [n = 1669]	120.0 (110.0–126.5) [n = 1417]	121.0 (114.5–130.0) [n = 1415]	125.0 (118.0–133.8) [n = 1156]	130.0 (120.0–138.2) [n = 1071]
Diastolic blood pressure, mmHg	77.0 (70.0–82.7) [n = 6726]	70.0 (66.7–77.0) [n = 1668]	75.0 (70.0–80.0) [n = 1417]	78.0 (70.5–82.7) [n = 1415]	80.0 (74.0–86.0) [n = 1156]	82.0 (77.0–88.5) [n = 1070]
HDL-cholesterol, mmol/l	1.2 (1.0–1.5) [n = 1782]	1.6 (1.4–1.9) [n = 267]	1.4 (1.1–1.6) [n = 290]	1.2 (1.0–1.5) [n = 393]	1.2 (1.0–1.3) [n = 387]	1.1 (1.0–1.3) [n = 445]
LDL-cholesterol, mmol/l	2.9 (2.4–3.5) [n = 1528]	2.5 (2.0–3.0) [n = 228]	2.9 (2.4–3.4) [n = 250]	2.9 (2.4–3.5) [n = 347]	2.9 (2.5–3.6) [n = 324]	3.0 (2.5–3.6) [n = 379]
Total cholesterol, mmol/l	4.7 (4.2–5.4) [n = 2153]	4.5 (4.0–5.0) [n = 336]	4.7 (4.2–5.4) [n = 361]	4.9 (4.3–5.5) [n = 475]	4.8 (4.2–5.5) [n = 460]	4.8 (4.3–5.5) [n = 521]
Triglycerides, mmol/l	1.3 (0.9–1.9) [n = 1692]	0.8 (0.6–1.1) [n = 241]	1.1 (0.8–1.6) [n = 280]	1.3 (0.9–1.9) [n = 389]	1.4 (1.0–2.0) [n = 364]	1.6 (1.1–2.2) [n = 418]

Data are presented as medians (quartile 1–quartile 3). Values in square brackets are number of women with the respective biomarker measurement during the 12-month baseline period prior to the date of PCOS diagnosis.

HDL, high-density lipoprotein; LDL, low-density lipoprotein.