

Supplemental table 1. Criteria used to define cardiovascular risk factors, co-morbidities, and cardiovascular disease in women with PCOS and matched (age and race) controls.

Condition	Criteria	ICD-9-CM Diagnosis Code	ICD-9-CM Procedure	CPT code
Cardiovascular risk factor				
Diabetes	Primary hospital discharge diagnosis or ambulatory-visit diagnosis or anti-diabetes medications	250.00-250.02, 250.10, 250.12, 250.20, 250.22, 250.30, 250.32, 250.40, 250.42, 250.50, 250.52, 250.60, 250.62, 250.70, 250.72, 250.80, 250.82, 250.90, 250.92		
Dyslipidemia	ambulatory-visit diagnosis or lipid-lowering medication	272.0, 272.2, 272.4		
Dysmetabolic syndrome	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	277.7		
Glucose intolerance	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	790.21, 790.22		
Hypertension	Two or more ambulatory-visit diagnosis within one year or one ambulatory-visit diagnosis plus receipt of antihypertensive medication within one	401-405		

PCOS Epidemiology and Co-morbidities

	year			
Obesity	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	278.00, 278.01		
Co-morbidities				
Anxiety	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	300.00, 300.01 300.02, 300.09		
Bipolar disorders	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	296.00-06, 296.40-46, 296.50-56, 296.60-67, 296.80-.89		
Depression	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	286.20-26, 296.30-36, 311		
Eating disorder	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	783.6 , 307.1, 307.50-1, 307.59		
Infertility	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	628.0, 628.9		
Obstructive sleep apnea	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	327.23		
Diagnosed cardiovascular				

PCOS Epidemiology and Co-morbidities

disease				
Acute myocardial infarction	Primary hospital discharge diagnosis	410		
Chronic heart failure	Primary hospital discharge diagnosis	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9		
Coronary-artery bypass surgery	Procedure code in hospital discharge		36.10-36.17, 36.19	33510-33519, 33521-33523, 33533-33536
Coronary artery disease	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	414.0, 414.8, 414.9		
Ischemic stroke	Primary hospital discharge diagnosis or emergency-department diagnosis	433.x1, 434.x1, 436.0		
Percutaneous coronary intervention	Procedure code in hospital discharge or ambulatory-visit		36.01-36.02, 36.05, 36.06, 36.09	92980-92981, 92982, 92984-92996
Peripheral artery disease	Primary hospital discharge diagnosis or Procedure code in hospital discharge or ambulatory-visit diagnosis	440.0-440.9	38.13, 38.14, 38.15, 38.16, 38.18, 39.22, 39.24, 39.25, 39.26, 39.28	35450, 35452, 35454, 35456, 35458, 35459, 35470-35475, 35879, 75962, 75964, 75966, 75968, 33322, 33335, 33860, 33870, 35511, 35516,

PCOS Epidemiology and Co-morbidities

				35518, 35521, 35531, 35533, 35536, 35541, 35546, 35548 35549, 35551, 35556, 35558, 35560, 35563, 35565, 35566, 35571, 35582, 35583, 35585, 35587, 35612, 35616, 35621, 35623, 35631, 35636, 35641, 35646, 35650, 35651, 35654, 35656, 35661, 35663, 35665, 35666, 35871
Transient ischemic attack	Primary hospital discharge diagnosis or emergency-department diagnosis	435		
Unstable and stable angina	Primary hospital discharge diagnosis or ambulatory-visit diagnosis	411, 413		

