

817 **Table I.** Summary of Systematic Reviews and Meta-Analyses Assessing the Association Between Psoriasis and Major Adverse
 818 Cardiovascular Events.

Study	Study Dates	Number of Studies	Total Number of Patients		Outcome	Composite Measure of Association (95% CI)	
			Psoriasis	No Psoriasis			
Armstrong, et al. ¹⁹ 2013	January 1, 1980 – January 1, 2012	9	Mild: 201,239 Severe: 17,415	9,914,799	MACE: MI, stroke, CV mortality	Mild	Severe
						MI	
						RR 1.29 (1.02-1.63)	RR 1.70 (1.32-2.18)
						Stroke	
						RR 1.12 (1.08-1.16)	RR 1.56 (1.32-1.84)

						CV Mortality	
						RR	RR
						1.03 (0.86-1.25)	1.39 (1.11-1.74)
Gaeta, et al. ²⁰ 2013	NR	13	1,862,297	43,407,300	CV risk: MI, vascular disease, mortality	Overall CV Risk	
						RR	
						1.24 (1.18-1.31)	
						MI	
						RR	
						1.24 (1.11-1.39)	
Vascular Disease							
RR							
1.27 (1.12-1.43)							

						Mortality
						RR
						1.41 (0.97-2.04)
Gu, et al. ²¹ 2013	1966 – October 2012	15	Total (psoriasis + no psoriasis): 6,230,774	MI Stroke CVD CV mortality		MI
						RR
						1.32 (1.13-1.55)
						Stroke
						RR
						1.26 (1.12-1.41)
	CVD					
	RR					
	1.47 (1.30-1.60)					

						CV mortality
						RR
						1.33 (1.00-1.77)
Horreau, et al. ²² 2013	1980 – December 211	33	324,650	5,309,087	MI CAD Stroke	MI
						RR
						Cohort: 1.25 (1.03, 1.52)
						Cross-sectional: 1.57 (1.08-2.27)
						CAD
						RR
						Cohort: 1.20 (1.13, 1.27)
						Case-control: 1.84 (1.09-3.09)
						Cross-sectional: 1.19 (1.14-1.24)

						Stroke
						Cohort: 1.02 (0.92-1.14)
						Cross-sectional: 1.14 (1.08-1.19)
Miller, et al. ²³ 2013 ^a	Prior to October 25, 2012	75	503,686	29,686,694	CVD IHD Cerebrovascular disease CV mortality	CVD
						OR 1.4 (1.2-1.7)
						IHD
						OR 1.5 (1.2-1.9)
						Cerebrovascular disease
						1.1 (0.9-1.3)
						CV mortality

						0.9 (0.4-2.2)		
Pietrzak, et al. ²⁴ 2013	1960 – 2011	14	367,358	9,199,656	CV events (MI, IHD, cerebral ischemic stroke, sudden cardiac death)	OR 1.28 (1.18-1.38)		
Samarasekera, et al. ²⁵ 2013	1974 – 2012	14	All: 488,315	10,024,815	MI Stroke CV mortality	All	Mild	Severe
			MI					
			HR/IRR 1.40 (1.03-1.89)			HR/IRR 1.34 (1.07-1.68)	HR/IRR 3.04 (0.65-14.35)	
			Stroke					
			Severe:			HR/IRR	HR/IRR	HR/IRR

			12,854			1.13 (1.01-1.26)	1.15 (0.98-1.35)	1.59 (1.34-1.89)
						CV Mortality		
						NR	SMR 1.03 (0.86-1.25)	SMR 1.37 (1.17-1.60) HR 1.57 (1.26-1.96)
Xu, et al. ²⁶ 2012	Database inception – March	7	326,598	5,230,048	Composite of MI & stroke	Composite		
						RR 1.20 (1.10-1.31)		

	2012					MI
						RR
						1.22 (1.05-1.42)
						Stroke
						RR
						1.21 (1.04-1.40)

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820 CAD, coronary artery disease; CHD, coronary heart disease; CV, cardiovascular; CVD, cardiovascular disease; HR, hazard ratio;

821 IHD, ischemic heart disease; IRR, incidence rate ratio; MACE, major adverse cardiovascular event; MI, myocardial infarction; OR,

822 odds ratio; RR, relative risk or risk ratio

823 ^aSystematic review and meta-analysis of the association between psoriasis and cardiovascular disease and cardiovascular risk factors.

824 Total numbers of studies and patients included are as reported in the full systematic review and meta-analysis, a subset of which is

825 specifically relevant to psoriasis and cardiovascular disease.