Supplemental Table 17. The incidence and prevalence of ischemic heart disease in the multiple sclerosis population as compared to controls

Study (year)	MS, n	Controls, n (matched)	Source of controls	Ischemic heart disease in MS	Ischemic heart disease in controls	Comparison MS: Controls
Incidence						
Christiansen[5] (2010)	13,963	66,407 (yes: sex, age)	DNRP general population	MI 1 year: 30/13,963 = 0.21% 2-30 years: 299/13,963 = 2.14%	MI 1 year 78/66,407 = 0.12% 2-30 years 2,082/66,407 = 3.13%	IRR 1 year 1.84 (1.28-2.65) 2-30 years 1.10 (0.97-1.24)
Jadidi[28] (2013)	7,664	66,215 (yes: sex, age)	Total Population Register of Sweden	MI 211/7,664 = 2.75%	MI 880/66,214 = 1.33%	IRR 1.85 (1.50-2.16)
Marrie[57] (2013)	2,366	(yes: sex, age, region)	Manitoba Health Population Registry	Age standardized incidence: 0.75% (0.34–1.17)	Age standardized incidence: 0.44% (0.29–0.58)	IRR 1.24 (0.97-1.59)
Prevalence						
Allen[7] (2008)	9,949	19,898 (no)	Hospitalization from SPARCS database of non-MS patients	IHD 355/9,949 = 3.57% MI 142/9,949 = 1.43%	IHD 1,422/18,898 = 7.15% MI 403/18,898 = 2.03%	OR IHD 0.58 (0.51–0.66) MI 0.78 (0.64–0.96)
Christiansen[5] (2010)	13,963	66,407 (yes: sex, age)	DNRP general population	1 year 30/13,963 = 2.15% 2-30 years follow-up 299/13,963 = 2.14%	1 year 78/66,407 = 0.12% 2-30 years follow-up 2,082/66,407 = 3.14%	IRR 1 year 1.84 (1.28–2.65) 2-30 years: 1.10 (0.97–1.24)
Fleming[11]	5384	5384 (yes: sex, age)	Medicare Population without history of	0.70%	2.22%	Statistically significant

(1994)			MS			difference using X^2 (P < 0.05)
Jadidi[28] (2013)	7,664	66,215 (yes: sex, age)	Total Population Register of Sweden	211/7,664 = 2.75%	880/66,215 = 1.33%	IRR 1.85 (1.5–2.16)
Kang[8] (2010)	898	4,490 (yes: sex, age, monthly income, level of urbanization in community)	Randomly matched patients from the NHIRD	7/898 = 0.78%	9/4,490 = 0.20%	NA
Khan[9] (2007)	62	62 (no)	Caregivers of MS participants	2/62 = 3.23%	1/62 = 1.61%	NR
LaVela[10] (2012)	1,142	31,500 (no)	Historical data from respondents to 2003 BRFSS: General Veteran U.S. Population with no history of MS	120/ 1,142 = 10.5%	3,622/31,500 = 11.5%	P<0.001
Lindegard[32] (1985)	351	159,200 (yes: sex, age)	General Hospital in-patient hospitalization within the city of Gothenburg, Sweden	MI Young males 5.7% Older males 12.7% Young females 0.0% Older females 7.4%	NR	Young males MS patients 6 times more likely than controls (P<0.001) Older males NA Young females NA Older females MS patients 4 times more likely than controls (P<0.001)
Marrie[57] (2013)	2,366	11,786 (yes: sex, age, region)	Manitoba Health Population Registry	IHD Age standardized prevalence:	IHD Age standardized prevalence	NR

				6.77% (5.48–8.07)	6.11% (5.56–6.66)	
Sheu[44] (2013)	326	1580 (yes: sex, age, index year)	LHID 2000 Database of Taiwan	31/316= 9.8%	87/1580= 5.5%	P=0.004

NR: Not Reported, IHD: Ischemic Heart Disease, MI: Myocardial Infraction, OR: Odds Ratio, N/A: No Association, SPARCS: New York Department of Health Statewide Planning and Research Cooperate System, DNRP: Danish National Registry of Patients, NHIRD: National Health Insurance Research Database, LHID 2000 Database: Taiwan Longitudinal Health Insurance Database, BRFSS: Behavioral Risk Factor Surveillance System