

Supplemental Table 23. The incidence and prevalence of cerebrovascular disease in the multiple sclerosis population as compared to controls

Study (year)	MS, n	Controls, n (matched)	Source of controls	Cerebrovascular Disease in MS	Cerebrovascular Disease in controls	Comparison of MS: Controls
<i>Incidence</i>						
Christiansen ⁵ (2010)	13,963	66,407 (yes: sex, age)	DNRP general population	At 1 year Stroke 38/13,963 = 0.27% Ischemic stroke 17/13,963 = 0.12% At 2-30yrs follow-up Stroke 360/13,963 = 2.58% Ischemic stroke 153/13,963 = 1.09%	At 1 year Stroke 49/66,407 = 0.074% Ischemic stroke 17/66,407 = 0.026% At 2-30yrs follow-up Stroke 2,269/66,407 = 3.42% Ischemic stroke 1,067/66,407 = 1.61%	Stroke: 1 year 1.96 (1.42–2.71) 2-30 years 1.23 (1.10–1.38) Ischemic Stroke: 1 year 1.91 (1.18–3.10) 2-30 years 1.11 (0.94–1.32)
Jadidi ²⁸ (2013)	7,664	66,215 (yes: sex, age)	Total Population Register of Sweden	194/7,664 = 2.53%	728/66,214 = 1.10%	Adjusted IRR 1.72 (1.47–2.01)
<i>Prevalence</i>						
Allen ⁷ (2008)	9,949	19,898 (yes: age, gender, race/ethnicity, and insurance)	Hospitalizations from SPARCS database of non-MS patients	Ischemic stroke 140/9,949 = 1.41% Hemorrhagic stroke 38/9,949 = 0.38%	Ischemic stroke 199/18,898 = 1.00% Hemorrhagic stroke 69/18,898 = 0.35%	Ischemic stroke OR 1.66 (1.33–2.09) Hemorrhagic stroke OR 1.14 (0.76–1.71)
Fleming ¹¹ (1994)	5384	5384 (yes: sex, age)	Medicare Population without history of MS	1.86%	2.58%	Statistically significant difference

						using χ^2 (P < 0.05)
Kang ⁸ (2010)	898	4490 (yes: sex, age, monthly income, level of urbanization in community)	Randomly selected patients from the NHIRD	56/898 = 6.2%	73/4,490 = 1.6%	OR 3.7 (2.9-4.1)
Khan ⁹ (2007)	62	62 (no)	Caregivers of MS participants	1/62 = 1.61%	0/62 = 0%	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	7.0%	4.2%	P<0.001

OR: Odds Ratio, IRR: Incidence Rate Ratio, SPARCS: New York Department of Health Statewide Planning and Research Cooperative System, DNRP: Danish National Registry of Patients, NHIRD: National Health Insurance Research Database, BRFSS: Behavioral Risk Factor Surveillance System.