

**Supplemental Table 12. Studies reporting the incidence of cardiac valvular disease in multiple sclerosis**

Study (Year)	Region/ Sub- Region	Source/ Populatio n	Prevalence Day/Period	Diagnostic Criteria: MS/ Established By	Diagnostic Criteria: Valvular Disease/ Established By	Crude Overall Prevalence (95%CI)	Age- Standardized Overall Incidence /100,000 (95%CI)	Crude Incidence/100,000 (95%CI)		Standardized Incidence (95%CI)/100,000		Quality Score
								Males	Females	Males	Females	
Christiansen <sup>5</sup> (2010)	Denmark	DNRP, incident (hospitaliz ed) MS	1977-2006	ICD-10, ICD-8 prior to 1993	DNRP codes (NR)	At 2-30 follow- up 0.7%	NR	NR	NR	NR	NR	6/8

NR: Not Reported, DNRP: Danish National Registry of Patients