

**S8 Table. Association of MSM and HET with transmission**

**clusters.** The percentages of individuals found to be associated with transmission clusters in MSM and HET in several studies are collated. In the second column, the numbers in parantheses indicate sample sizes examined. Where available, P values and the largest cluster sizes are indicated as other details.

Region (Study period)	Group (n)	Associated with clusters (%)	Other details
Japan (2004 – 11) [1]	MSM (261)	38.3	Clusters are also linked to China.
	HET (103)	8.7	
Austria (2008 – 14) [2]	MSM (122)	57.4	$P < 0.001$
	HET (115)	32.2	
Belgium (2013 – 15) [3]	MSM (698)	57.7	$P < 0.001$ . Cluster size $\geq 3$ . The largest cluster is sized 94, consisting of 68 MSM and 15 HET.
	HET (508)	22.4	
Cyprus (1986 – 2012) [4]	MSM (164)	36.6	Cluster size $\geq 3$ . The two largest clusters are sized 13, having 11 – 12 MSM.
	HET (129)	2.3	
France (1999 – 2014) [5]	MSM (636)	32.1	$P < 0.01$ . Cluster size $\geq 3$ . The largest cluster, sized 41, has 39 MSM and a HET.
	HET (267)	3.8	
Germany (1999 – 2016) [6]	MSM (1, 448)	27.3	
	HET (622)	18.2	
Netherlands (1981 – 2011) [7]	MSM (4, 288)	51.2	Cluster size $\geq 10$ .
	HET (849)	55.8	
Spain (2004 – 14) [8]	MSM (637)	–	8 of 12 clusters sized $\geq 10$ consist only of MSM. The largest cluster has a size of 111, and is composed only of MSM.
	HET (204)	–	
USA (2001 – 15) [9]	MSM (1, 597)	37.4	The largest cluster has a size of 39, and has only MSM.
	HET (953)	28.3	
Canada and 9 European countries (1981 – 2011) [10]	MSM (4, 980)	51.4	The 9 countries are Italy, Greece, Netherlands, Germany, France, UK, Norway, Austria, and Spain. $P < 0.001$ .
	Bisexual men (2, 087)	27.7	

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