

## Model for estimating the prevalence of Atrial Fibrillation

The Public Health Intelligence Unit developed the atrial fibrillation prevalence model to support Doncaster PCT's development of the Quality and Outcomes Framework (QOF). The model estimates prevalence for people of all ages who have atrial fibrillation.

Prevalence rates on atrial fibrillation are available from a variety of places<sup>123</sup>. In the end the below rates<sup>3</sup> were chosen as they produced the best fit to the observed data.

	Prevalence per 1,000 by age and sex						
	0-34	35-44	45-54	55-64	65-74	75-84	85+
Men	0.5	2.5	6.6	18	46.2	90.5	106.2
Women	0.7	2.2	4.4	10.9	33	71.5	109.1

No further adjustments were made.

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1. GMS Contract 2006 2007. This produces age group rates, but doesn't break down for sex.  
2. 20-79 year olds: Go, et al, JAMA, 285, 18, 2001, 2370-2375. 80-89 year olds: Wolf et al, Stroke, 22, 8, 1991, 983-988. Rates for below 20 and above 89 would have to be assumed.  
3. <http://www.statistics.gov.uk/StatBase/xsdataset.asp?More=Y&vlnk=2428&All=Y&B2.x=51&B2.y=11>