

Model for estimating the prevalence of Hypertension¹

The Yorkshire and Humber PHO and Eastern Region Public Health Observatory developed a hypertension prevalence model on behalf of the Association of Public Health Observatories². For more information on the model please see the APHO website link below.

The Public Health Intelligence Unit uses a slightly modified version of the model that does not include an adjustment for ethnicity. The estimated prevalence by age/sex group is based upon a 'general population'

	Prevalence per 1,000 by age and sex						
	16-24	25-34	35-44	45-54	55-64	65-74	75+
Men	63.53	110.36	193.21	341.10	504.04	632.15	638.56
Women	20.72	51.58	115.16	233.87	459.87	634.95	733.85

The prevalence of hypertension in under 16s is assumed to be zero. No further adjustments were made for deprivation or other factors.

1. Systolic blood pressure greater than or equal to 140mmHg and diastolic blood pressure greater than or equal to 90mmHg and/or taking medicine specifically prescribed for high blood pressure.
2. <http://www.apho.org.uk/apho/viewResource.aspx?id=4626>