Appendix 4: Assumption used in the calculation of the DALYs

The calculation of the DALYs uses the methodology described in [1]. These are crude estimates based on a scenario that a person will live for 20 years with the infection.

The following assumptions were used to estimate the DALY saved per HIV infection prevented:

Item	Assumed value	Source/ note
Age at death	45	[2] Low side estimate
Life expectancy at age of death	25	[2] Life expectancy at age of death assumed = life expectancy at birth
Discount rate	0.03	[1]
Age weight	0.04	[1]
Disability weight (HIV)	0.233	[2]
Duration of disability (HIV)	2 years	Assumption based on knowledge of disease progression [3]
Disability weight (AIDS)	0.505	[2]
Duration of disability (AIDS)	18 years	Assumption based on knowledge of disease progression [3]
Age at onset	25	Assumption

1. Fox-Rushby J, Hanson K: **Calculating and presenting disability adjusted life years (DALYs) in cost-effectiveness analysis**. *Health Policy and Planning* 2001, **16**:326-331.
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