

**Table 2.16. Cohort studies of HIV and other cancers**

Reference, location, name of study	Cohort description	Detection method	No. of cases/deaths	Relative risk (95% CI)	Adjustment for potential confounders	Comments
<b>Head and Neck cancer</b>						
Allardice et al., (2003), Scotland	People registered with HIV or AIDS, 1981–1996, national.	Probabilistic linkage with cancer registry data	1	1.6 (0.04–8.8)	Age, sex, year	
Clifford et al., (2005), Switzerland	7304 people with an HIV or AIDS diagnosis, 7 hospitals, 1985–2002.	Probabilistic linkage with cancer registry data.	11	4.1 (2.1–7.4)	SIR adjusted for age and sex	3 months after study entry to 1996–2002. Lip, mouth and pharynx (C00–C14). All cases with known data (only 3) occurred in smokers.
Newnham et al., (2005), England.	33 190 people registered with HIV, 1985–2001, Thames region.	Probabilistic linkage with cancer registry data	6	1.1 (0.4–2.3)	SIR adjusted for age and sex	From HIV diagnosis to end 2001. Oral (C01–C10, C14)
Engels et al., (2006), USA.	375 933 adults registered with AIDS, 1980–2002, 11 regions	Probabilistic linkage with cancer registry data	100	1980–89: 1.2 (0.5–2.3) 1990–95: 2.4 (1.8–3.1) 1996–02: 2.1 (1.4–3.0)	SIR adjusted for age, sex, race, year, and region.	From 4 to 27 months post AIDS Oral cavity and pharynx (?includes lip?)
Hessol et al., (2007), USA	14 210 adults with AIDS registered in 1990–2000 (San Francisco). Cancer 1985–2002.	Probabilistic linkage with cancer registry data	37	2.6 (1.9–3.6)	SIR adjusted for age, sex and race	From 5 years pre-AIDS. Oral cavity and pharynx
<b>Head and Neck cancer (contd)</b>						
Serraino et al., (2007), Italy	8074 people with HIV in France (DMI-2; 6072) and Italy (ISS; 2002)	Cancer diagnoses during follow up.	10	1.2 (0.6–2.1)	Age and sex	From HIV cohort entry. C00-C14
Engels et al., (2008), USA	57 350 people registered with HIV, 1991–2005. Oral cavity and pharynx	Probabilistic linkage with cancer registry data (Colorado, Florida, NJ)	26	1.7 (1.1–2.5)	SIR adjusted for sex, age, year, region.	4–60 months after HIV registration No change post 1996.
Long et al., (2008), USA	2566 patients with HIV in Baltimore (Johns Hopkins cohort), 1996–2005.	Matching with cancer registry.	14	5.1(2.8–8.6)	SIR adjusted for age, race, sex, and year.	“Head and neck”

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Patel et al., (2008), USA	54 780 people with HIV in the US (HOPS/ASD study)	Clinical diagnosis of cancer, compared to SEER rates	52	2.6 (1.9–3.4)	Directly standardised RR, adjusted for age, race and sex	Oropharyngeal (ICD 9 140-149, 161) From HIV diagnosis to death or end of study (2003). No sig change in incidence with time.
<b>Oral cavity and pharynx (C01-C10, C14; does not include lip or nasopharynx)</b>						
Goedert et al., (1998), USA	98 336 people registered with AIDS, 7 regions	Probabilistic linkage with cancer registry data	30	1.3 (CI not presented)	SIR adjusted for age and sex	From AIDS diagnosis to 27 months post AIDS
Grulich (1999), Australia	People registered with AIDS, NSW, 1984–1995	Probabilistic linkage with cancer registry data.	1	7.6 (0.19–42)	SIR adjusted for age and sex	Oropharynx. From 5 years before AIDS to death.
Biggar et al., (2004), US	8828 people aged 60+ registered with AIDS 1981–1996, USA	Probabilistic linkage with cancer registry data	19	1.3 (0.8–2.1)	SIR adjusted for age, sex and race	“Oropharynx”. From 60 months before to 27 months after AIDS
Grulich et al. (2007a), 6 countries	444 172 people with HIV or AIDS, 1980–2002	Probabilistic linkage with cancer registry data	238	2.32 (1.65–3.25)	Meta-SIR, adjusted for age and sex	Meta-analysis.
<b>Tongue (C01-02)</b>						
Grulich (1999), Australia	People registered with AIDS, NSW, 1984–1995	Probabilistic linkage with cancer registry data.	2	8.29 (1.00–29.9)	SIR adjusted for age and sex	From 5 years before AIDS to death.
Frisch et al., (2001), USA.	People registered with AIDS, 1980–1996, 11 regions	Probabilistic linkage with cancer registry data.	54	2.8 (2.1–3.6)	SIR adjusted for age and sex	From 5 years before to 27 months after AIDS.
Grulich et al., (2002), Australia.	People registered with HIV or AIDS, 1985–1999, national .	Probabilistic linkage with cancer registry data.	2	1.66 (0.20–5.99)	SIR adjusted for age and sex	From HIV diagnosis, or 5 years prior AIDS, to death
<b>Mouth (C03-06)</b>						
Frisch et al., (2001), USA.	People registered with AIDS, 1980–1996, 11 regions	Probabilistic linkage with cancer registry data.	74	3.1 (2.4–3.9)	SIR adjusted for age and sex	From 5 years before to 27 months after AIDS.
<b>Salivary gland (C07-08)</b>						
Frisch et al., (2001), USA.	People registered with AIDS, 1980–1996, 11 regions	Probabilistic linkage with cancer registry data.	21	2.5 (1.5–3.8)	SIR adjusted for age and sex	From 5 years before to 27 months after AIDS.
Grulich et al., (2002), Australia.	People registered with HIV or AIDS, 1985–1999, national.	Probabilistic linkage with cancer registry data.	2	3.88 (0.47–14.0)	SIR adjusted for age and sex	From HIV diagnosis, or 5 years prior AIDS, to death

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<b>Penis</b>						
Frisch et al., (2000) Grulich et al., (2007a), 6 countries	444 172 people with HIV or AIDS, 1980–2002	Probabilistic linkage with cancer registry data.	21	3.7 (2.0–6.2) 4.42 (2.77–7.07)	Meta-SIR, adjusted for age	Meta-analysis
<b>Vulva/Vagina</b>						
Frisch et al., (2006) Grulich et al., (2007a), 6 countries	444 172 people with HIV or AIDS, 1980–2002	Probabilistic linkage with cancer registry data.	21	5.8 (3.0–10.2) 6.45 (4.07–10.2)	Meta-SIR, adjusted for age	Meta-analysis
<b>Tonsil</b>						
Frisch et al. (2001)			29	2.6 (1.8–3.8) in men		