

Table 2.6. Case-control studies of HIV and non-Hodgkin lymphoma

Reference, study location and period	Characteristics of cases	Characteristics of controls	Detection method	Exposure categories	No. of exposed cases	Relative risk (95% CI)	Adjusted potential confounders	Comments
Armenian et al., (1996), USA	84 homosexual men with NHL in MACS	527 homosexual men in MACS without NHL						No association of sexual and drug using behaviour with NHL risk
Fong et al., (2000), Canada	29 AIDS NHL	58 HIV+ controls, matched for duration of AIDS		Receipt of acyclovir		7% of cases but 47% of controls received long term high dose acyclovir		Acyclovir significantly protective
Grulich et al., (2000), Australia	AIDS-NHL, diagnosed at Sydney hospitals, 1981–1997	HIV or AIDS, matched for CD4 count			219 cases	Longer duration of immune deficiency and lower CD4 count 1 year prior related	CD4, time	B cell activation as measured by immunoglobulins associated with risk.
Grulich & Law, (2001), Australia	AIDS-NHL, diagnosed at Sydney hospitals, 1981–1997	HIV or AIDS, matched for CD4 count			219 cases	5.5% of cases and controls used high dose acyclovir use		Ganciclovir use non significantly greater in controls
Newton et al., 2001, Uganda	Cancers at 4 main hospitals in Kampala	Cancers not caused by infection, other hospitalised patients	Histo verification 86%		13/21 adults 10/33 children with BL	6.2 (1.9–19.9) 7.5 (2.8–20.1)	Age, sex, numbers of sexual partners (in adults)	
Bonnet et al., (2006a), France	52 HIV+ NHL, 1996-2003	HIV+, no NHL, matched for CD4			52	0.37 (0.16–0.87) for >= 6 months of HAART	CD4 cell count, calendar period, sex, follow up duration	Nested in Aquitaine cohort.
Mutalima et al., (2008), Malawi	148 children with Burkitt lymphoma	104 children admitted with other conditions	75% histo verified	HIV, malaria	HIV 6% of cases, 2% of controls	12.4 (1.3–116)	Age, sex, location	Also relationship with EBV, malarial infection
Stein et al., (2008), South Africa	Cancers at 3 referral hospitals in Jo'burg and Soweto	Cancers thought not to be HIV related, and cardiovasc disease	>90% histo verified		44.4% of 223	6.1 (4.4–8.4) BL 103 (13–798)	Age, sex, year diagnosis, level of education, number of sexual partners	