

Table 2.10. Cohort studies of HIV and invasive cervical cancer

Reference, location.	Cohort description	Detection method	No. of cases	Relative risk (95% CI)	Adjustment for potential confounders	Comments
Franceschi et al., (1998), Italy	6067 persons with AIDS	Probabilistic linkage with cancer registry data		15.5 (4.0–40.1)	SIR adjusted for age	
Goedert et al., (1998), USA	98 336 people registered with AIDS, 7 regions	Probabilistic linkage with cancer registry data	19	2.9 (0.7–16.0)	SIR adjusted for age	From 4 to 27 months post AIDS
Serraino (1999), Italy	2141 HIV-positive women and 811 HIV-negative women;	Clinical follow-up	10	12.8 (6.6–22.4)	SIR adjusted for age	SIR highest in IDU (16.7) than in heterosexuals (6.7)
Frisch et al., (2000) USA	309 365 people registered with AIDS, 1978–1996, 11 regions	Probabilistic linkage with cancer registry data.	355	5.4 (3.9–7.2)	Age and race	From 5 years before to 5 years after AIDS
Frisch et al., (2001) USA.	People registered with AIDS, 1978–1996, 11 regions	Probabilistic linkage with cancer registry data.	46	5.2 (3.8–6.9)	SIR adjusted for age	From 4 to 27 months after AIDS.
Allardice et al., (2003) Scotland	People registered with HIV or AIDS, 1981–1996, national.	Probabilistic linkage with cancer registry data	1	1.7 (0.0–9.3)	SIR adjusted for age	From HIV diagnosis to end 1996.
Dal Maso et al., (2003), Italy.	People registered with AIDS, 1985–1998, 19 regions.	Probabilistic linkage with cancer registry data.	18	21.8 (12.9–34.6)	SIR adjusted for age	From 6 months before AIDS to 3.5 years after
Clifford et al., (2005), Switzerland	7304 people with an HIV or AIDS diagnosis, 7 hospitals 1985–2002.	Probabilistic linkage with cancer registry data	6	8.0 (2.9–17.4)	SIR adjusted for age, area, period	3 months after study entry to 1996–2002. The risk was higher in IDU (10.9) than in heterosexual women (5.2); it was not associated with CD4 count at entry.
Newnham et al., (2005), England.	33 190 people registered with HIV, 1985–2001, Thames region.	Probabilistic linkage with cancer registry data	2	1.0 (0.1–3.7)	SIR adjusted for age	From HIV diagnosis to end 2001.
Engels et al., (2006), USA.	375 933 adults registered with AIDS, 1980–2002, 11 regions	Probabilistic linkage with cancer registry data	84	4.2 (2.9–5.8), 1990–1995; 5.3 (3.6–7.6), 1996–2002	SIR adjusted for age, race, year, and region.	From 4 to 27 months post AIDS No risk variations over time
Mbulaiteye et al., (2006), Uganda.	12 607 People registered with TASO, 1988–2002.	Probabilistic linkage with cancer registry data	137	4.6 (3.8–5.4)	SIR adjusted for age and year	From 4 to 60 months after registration with TASO

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Galceran et al., (2007), Spain	1659 adults registered with AIDS, 1981–1999	Probabilistic linkage with cancer registry data	10	33.99 (16.19–62.75)	SIR adjusted for age and province	From 60 months before to 60 months after AIDS. SIR highest in IDU (SIR=55.2).
Grulich et al., (2007a), 6 countries	444 172 people with HIV or AIDS, 1980–2002	Probabilistic linkage with cancer registry data	104	5.82 (2.98–11.3)	Meta-SIR, adjusted for age	Meta-analysis.
Serraino et al. (2007), Italy	8074 people with HIV in France (DMI-2; 6072) and Italy (ISS; 2002)	Cancer diagnoses during follow up.	22	14.6 (9.1–22.0)	Age	SIR was similar in HAART users and non-users.
Engels et al., (2008), USA	57 350 people registered with HIV, 1991–2002	Probabilistic linkage with cancer registry data (Colorado, Florida, NJ)	28	2.9 (1.9–4.2)	SIR adjusted for age, year, region.	4–60 months after HIV registration
Patel et al., (2008), USA	54 780 people with HIV in the US (HOPS/ASD study)	Clinical diagnosis of cancer, compared to SEER rates	Not available	10.1 (6.5–15.7), 2000–2003	Directly standardized RR, adjusted for age, and race	From HIV diagnosis to death or end of study (2003).
Dal Maso et al., (2009), Italy	4891 women with AIDS	Probabilistic linkage with cancer registry data	39	41.5 (28.–59.3) in ≥ 1997 ; 51.0 (23.1–97.3) in ≤ 1996	SIR adjusted for age, area period	SIR were similar in IDU and heterosexual women