

Table 2.3. Studies of HTLV-1 and ATLL incidence modelling

Reference, study location and period	Characteristics of cases	Characteristics of population	Detection method	Exposure categories	No. of exposed cases	Findings	Adjusted potential confounders	Comments
Murphy et al. (1989) Jamaica, 1985–1986	47 cases of ATLL diagnosed in 2.5 years at University Hospital of West Indies	Survey of food service employees in 1985 ~1% of population; seroprevalence for 0–9 year olds in 1985 based on 600 children consecutively seen in paediatric well baby clinic at University Hospital of West Indies		Estimated incident rates of ATLL by gender among HTLV-1 carriers based on age-specific seroprevalence	47 cases	Higher rates among male carriers >30 yrs at dx, relative risk for males v. females is 2.0 (1.1–3.9)	Age	
				Estimated incident rates of ATLL based on assumed infection <20 years	47 cases	Cumulative risk in males=4.0% and females=4.2%	Age	