

Supplementary Table

Supplementary Table. Prevalence of HTLV-1 in pregnant women, parturient, women at reproductive age and babies.

Supplementary Material

Reference	Place	Sample	Tests	Prevalence
Europe				
Taylor et al., 2005	Europe	234,078 pregnant women	ELISA; PCR	
		Belgium 5,000		0.08%
		France 10,398		0.10%
		Germany 58,747		0.01%
		Italy 6,000		0.03%
		Portugal 7,557		0.01%
		Spain 20,366		0.06%
		UK 126,010		0.05%
Ades et al., 2000	England	126,010 babies	PA; WB	0.05%
Nightingale et al., 1993	England (Birmingham)	3,522 pregnant women	PA; ELISA; IF; RIA; WB	0.14%
Trevino et al., 2011	Spain (Foreign women)	3,337 pregnant women	ELISA; WB or PCR	0.20%
Ramos et al., 2011	Spain (Immigrant women)	1,436 pregnant women	ELISA (pool); ELISA and WB	0.07%
Trevino et al., 2009	Spain	20,518 pregnant women (18,266 natives)	ELISA; WB and PCR	0.01%
Machuca et al., 2000	Spain	20,366 pregnant women	ELISA; WB; PCR	0.01%
Poljak et al., 1998	Slovenia	10,369 pregnant women	PA; WB	0.01%
South America				
Berini et al., 2013	Argentina (Different locations)	2,403 pregnant women	ELISA/ WB and nested-PCR	0.25%
Trenchi et al., 2007	Argentina (Cordoba)	3143 pregnant women	PA; IF and WB	0.19%
Guerra et al., 2018	Brazil (Pará)	324 pregnant adolescents	ELISA; PCR	0.60%
Mata et al., 2018	Brazil (Amapá)	216 pregnant , 72 breastfeeding women	ELISA; ELISA; WB	0.00%
Medeiros et al., 2018	Brazil (Paraná)	643 high risk pregnant women	CMIA; PCR	0.30%
Moura et al., 2015	Brazil (Alagoas)	54813 pregnant women	ELISA; WB	0.20%
Monteiro et al., 2014	Brazil (Rio de Janeiro)	1,204 pregnant women	CMIA; WB	0.66%
Boa Sorte et al., 2014	Brazil (Bahia)	692 pregnant women	ELISA	0.14%
Mello et al., 2014	Brazil (Bahia)	2,766 pregnant women	ELISA; WB and PCR	1.05%
Sequeira et al., 2012	Brazil (Pará)	13,382 pregnant women	ELISA; WB	0.30%
Souza et al., 2011	Brazil (Maranhão)	2,044 pregnant women	ELISA; WB and PCR	0.30%
Machado Filho et al., 2010	Brazil (Amazonas)	674 pregnant women	ELISA; PCR	0%
Ydy et al., 2009	Brazil (Mato Grosso)	2,965 puerperas	ELISA (2x); WB	0.24%
Lima & Viana, 2009	Brazil (Espírito Santo)	534 postpartum and pregnant women	ELISA	1.30%
		332 postpartum		1.70%
		202 prenanant women		0.60%
Dal Fabro et al., 2008	Brazil (Mato Grosso do Sul)	116,689 pregnant women	ELISA; WB and PCR	0.10%
Magalhães et al., 2008	Brazil (Bahia)	408 pregnant women	ELISA; WB; PCR	0.98%
Pimenta et al., 2008	Brazil (Paraíba)	1,033 nursing mothers	ELISA; PCR	0.19%
Figueiró-Filho et al., 2007	Brazil (Mato Grosso do Sul)	32,512 pregnant women	ELISA; PCR	0.10%
Oliveira et al., 2006	Brazil (Goiás)	15,485 pregnant women	ELISA; PCR	0.10%
Neto et al., 2004	Brazil (São Paulo)	913 pregnant women	ELISA; WB	0.10%
Bittencourt et al., 2001	Brazil (Bahia)	6,754 pregnant women	ELISA; WB; PCR	0.84%
Broutet et al., 1996	Brazil (Ceará)	814 pregnant women	ELISA; WB	0.12%
Santos et al., 1995	Brazil (Bahia)	1,024 pregnant women	ELISA; WB	0.88%

Carles et al., 2004	French Guyana	1,716 pregnant women	ELISA; WB	4.40%
Tortevoye et al., 2000	French Guyana	3,834 pregnant women	ELISA; WB	3.80%
Tuppin et al., 1995	French Guyana			
Alarcon et al., 2006	Peru (Lima)	12,436 pregnant women	ELISA (pool); ELISA and WB	1.70%
Sanchez-Palacios et al., 2003	Peru (Huanta, El Carmen, Lima)	568 healthy women reproductive age	ELISA (2x); IF, WB and PCR	2.50%
	Pery (Huanta)			1.30%
	Peru (El Carmen)			3.80%
	Peru (Lima)			3.80%
Zurita et al., 1997	Peru	211 pregnant women	ELISA; WB	2.30%
		276 females (15-49y)		5%
Central America				
Wiktor et al., 1993	Jamaica	2329 pregnant women	ELISA, WB	3.50%
Maloney et al., 2006	Jamaica	9,226 pregnant women	ELISA; WB	3.80%
Maloney et al., 2003	Jamaica	9430 pregnant women	ELISA; WB	3.70%
Denis et al., 1988	Martinique	716 pregnant women	IF; ELISA; WB	2.34%
Mansuy et al., 1999	Martinique	467 pregnant women	ELISA; WB	1.93%
Tortevoye et al., 2005	Haiti	287 pregnant women	ELISA; WB	4.20%
Allain et al., 1992	Haiti	500 pregnant women	ELISA; WB or RIPA	2.20%
North America				
Cohen et al., 2010	United States of America	1,091 Potential human milk donors	Non specified screening test	0.55%
Africa				
Denis et al., 1988	Sub-Saharan Africa	814 (Ivory Coast); 63 (Mali); 61 (Niger); 281 (Senegal); 565 (Togo)	IF; ELISA; WB	1.34%
Collenberg et al., 2006	Burkina Faso	492 pregnant women	ELISA; WB	1%
Tuppin et al., 1996	Congo	2,070 pregnant women	ELISA; WB	0.70%
Apea-Kubi et al., 2006	Ghana (Accra)	517 pregnant women	PA	2.70%
Armah et al., 2006	Ghana (Accra)	960 preegnant women	PA, WB	2.10%
Moukandja et al., 2017	Gabon (Franceville)	973 pregnant women	ELISA	2.88%
Vardier et al., 1989	Côte d'Ivoire	513 pregnant women	IF; WB	1.90%
Etenna et al., 2008	Gabon	907 pregnant women	ELISA; WB and PCR	2.10%
	Gabon (Franceville)			5%
	Gabon (Libreville)			1%
	Gabon (Port Gentil)			1.20%
	Gabon (Lambaréné)			2.10%
	Gabon (Oyem)			0%
Mistro et al.,	Gambia	909 mothers	ELISA, WB	1%
Andersson et al., 1997	Guinea Bissau	1,231 pregnant women	ELISA; WB	2.30%
Udeze et al., 2018	Nigeria	276 pregnant women	ELISA	1.10%
Opaleye et al., 2015	Nigeria (Osogbo)	182 pregnant women	ELISA	24.20%
Olaleye et al., 1995	Nigeria	364 pregant women	ELISA, WB	5.50%
Fox et al., 2016	Malawi	418 mothers	ELISA; WB, if indeterminate PCR	2.60%
		534 children		2.20%
Forbi et al., 2007	Nigeria (South Western)	120 pregnant women	ELISA	16.70%

Supplementary Material

Ramos et al., 2011	Ethiopia (Southern)	556 pregnant women	CMIA	0%
Goubau et al., 1993	South Africa and Zaire (Basankusu and Gemena)	428 pregnant women South Africa	ELISA; IF; WB and dot blot	0.20%
		74 pregnant women (Basankusu; Zaire)		14.80%
Delaporte et al., 1995	Zaire	340 pregnant women (Gemena; Zaire)		2.60%
Olaleye et al., 1999	Nigeria (South-Western)	1,166 pregnant women	ELISA; WB	3.70%
		460 mothers	ELISA; ELISA	4.30%
Asia				
Ramalingam et al., 2001	India (Vellore)	201 pregnant women	PA; PCR	0%
Hamed et al.,	Iran (Northeast)	407 parturient	ELISA; PCR	1.50%
Kusuhara et al., 1987	Japan	311 mothers	ELISA; IF	20.90%
Hino et al., 1985	Japan (Nagasaki)	5015 pregnant women	IF	3.70%
Tsuji et al., 1990	Japan (Nagasaki)	18,320 pregnant women	PA / IF	3.90%
Ando et al., 1993	Japan	4,659 pregnant women	IF	6.10%
Maehama, 2004	Japan (Okinawa)	17,207 pregnant women	ELISA or PA; WB or IF	3.90%
Kashiwagi et al., 2004	Japan (Okinawa)	3,837 pregnant women	PA; ELISA; WB	5.6% (1989-1992)
				3.7% (1997-2000)
Goto et al., 1997B	Japan (Kanto)	2,683 pregnant women	PA; WB	0.60%
Nakano et al., 1984	Japan (Okinawa)	1,269 pregnant women	IF	6.70%
Saji et al., 1989	Japan (Osaka)	2,192 pregnant women	ELISA; WB	1.00%
Ando et al., 1987	Japan (Okinawa)	2,232 pregnant women	IF	6.80%
Kinoshita et al., 1987	Japan (Nagasaki)	5,015 pregnant women	IF	3.70%
Yamada et al., 2014	Japan (Okkaido)	33,617 pregnant women	PA or CMIA; WB	0.10%
Suzuki et al., 2014	Japan (National)	707,711 pregnant women	ELISA or PA; WB or PCR	0.14%

PA: Particle agglutination; ELISA: enzyme-linked immunosorbent assay; WB: Western Blot; IF: Immunofluorescence; PCR: Polymerase chain reaction; CMIA: chemiluminescence microparticle immunoassay; RIA: Radioimmunoassay; RIPA: radioimmunoprecipitation

(Alarcón et al., 2006; Allain et al., 1992; Andersson et al., 1997; Ando et al., 1987, 1993; Apea-Kubi et al., 2006; Armah et al., 2006; Berini et al., 2013; Bittencourt et al., 2001; Boa-Sorte et al., 2014; Broutet et al., 1996; Carles et al., 2004; Cohen et al., 2010; Collenberg et al., 2006; Dal Fabbro et al., 2008; Del Mistro et al., 1994; Delaporte et al., 1995; Denis et al., 1988; dos Santos et al.; Etenna et al., 2008; Figueiró-Filho et al., 2007; Forbi and Odetunde; Fox et al., 2016; Goto et al., 1997; Goubau et al., 1993; Guerra et al., 2018; Hamed et al., 2012; Hino et al., 1985; Kashiwagi et al., 2004; Kinoshita et al., 1987; Kusuhara et al., 1987; Lima and Viana, 2009; Machado Filho et al., 2010; Machuca et al., 2000; Maehama, 2004; Magalhães et al., 2008; Maloney et al., 2003, 2006; Mansuy et al., 1999; Mata et al., 2018; Medeiros et al., 2018; Mello et al., 2014; Monteiro et al., 2014; Moura et al., 2015; Nightingale et al., 1993; Olaleye et al., 1995, 1999; Olbrich Neto and Meira; Oliveira and Avelino, 2006; Opaleye et al., 2016; Pegha Moukandja et al., 2017; Pimenta et al., 2008; Poljak et al., 1998; Ramalingam et al., 2001; Ramos et al., 2011; Saji et al., 1989; Sanchez-Palacios et al., 2003; Sequeira et al., 2012; Souza et al., 2012; Suzuki et al., 2014; Taylor et al., 2005; Tortevoe et al., 2000, 2005; Trenchi et al., 2007; Treviño et al., 2009, 2011; Tsuji et al., 1990; Tuppin et al., 1995, 1996; Udeze et al., 2018; Verdier et al., 1989; Wiktor SZ, Pate EJ, Murphy EL, Palker TJ, Champegnie E, Ramlal A, Cranston B, Hanchard B et al., 1993; Yamada et al., 2014; Ydy et al., 2009; Zurita et al., 1997)

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