

Table 42: Summary of Surveys Included in Meta-Analysis: Cuba

Caribbean

Country	Study, survey year(s)*	Region	Population and sampling method	Sex	HBsAg Sample positive (n)	HBsAg (%)	lower CI	upper CI	RE weight (%)	FE weight (%)	Reference	Access No	Ref No.
Cuba	Jonas, 1985	migrants to US	Pregnant migrants from Cuba; sera obtained from women presenting to OB service of a large municipal hospital in Dade Co FLA(606)	females	550	0.4%	-0.13%	0.93%	18.05%	6.27%	Jonas, M. M., E. R. Schiff, et al. (1987). "Failure of Centers for Disease Control criteria to identify hepatitis B infection in a large municipal obstetrical population." <i>Ann Intern Med</i> 107(3): 335-7.	3039886	989
Cuba	Entzel, 1999-2000	refugees to Miami-Dade County	Cuban child refugees <7 yo in Florida; retrospective chart review of legally documented child refugees arriving 1999-2000; screened by Miami-Dade health department Refugee Health Assessment Center (244)	both	244	0.4%	-0.39%	1.21%	9.67%	2.72%	Entzel, P. P., L. E. Fleming, et al. (2003). "The health status of newly arrived refugee children in Miami-Dade County, Florida." <i>Am J Public Health</i> 93(2): 286-8.	12554586	992
Cuba	Rein, 2006-2008	migrants to US	Refugees arriving in the US 2006-2008; information from states with an active refugee health coordinator (18,021)	both	18,021	1.0%	0.85%	1.15%	46.47%	82.74%	Rein DB, Lesesne SB, O'Fallon A, Weinbaum CM (2009) Prevalence of hepatitis B surface antigen among refugees entering the United States between 2006 and 2008. <i>Hepatology</i> . 2010 Feb;51(2):431-4	19902482	993
Cuba	Rodriguez, 1995	Havana	Healthy adult population of Havana; healthy adults belonging to the health area of the polyclinic "Cristobal Labra" Lis municipality in Havana; no selection info (1,418)	both	1,418	1.1%	0.53%	1.59%	17.80%	6.15%	Rodriguez Lay, L. A., M. Diaz Gonzalez, et al. (1999). "[Infection/immunity by hepatitis B virus in an adult population of Havana City, Cuba 1995]." <i>Rev Cubana Med Trop</i> 51(3): 206-7.	10887591	990
Cuba	Rodriguez, 1997*	Havana	High performance athletes at a sports complex in Havana; ; no info on selection (467)	both	467	1.1%	0.14%	2.00%	7.49%	2.01%	Rodriguez Lay, L. L., B. Diaz Mendiondo, et al. (1997). "[Infection by hepatitis B and C viruses in high-performance athletes]." <i>Rev Cubana Med Trop</i> 49(3): 222-4.	9685992	991
Cuba	Rodriguez, 1997*	Havana	Workers at a sports complex in Havana; no info on selection (467)	both	71	2.8%	-1.03%	6.65%	0.51%	0.12%	Entzel, P. P., L. E. Fleming, et al. (2003). "The health status of newly arrived refugee children in Miami-Dade County, Florida." <i>Am J Public Health</i> 93(2): 286-8.	12554586	992
				total studies	6	20,771			100.00%	100.00%			
				males	0								
				females	1								
				both	5								

* indicates publication year; survey year not reported

Table 43: Summary of Surveys Included in Meta-Analysis: Dominican Republic Caribbean

Country	Study, survey year(s)*	Region	Population and sampling method	Sex	HBsAg				RE weight (%)	FE weight (%)	Reference	Access No	Ref No.
					Sample positive (n)	(%)	lower CI	upper CI					
Dominican Republic	Friedman, 1984-1985	migrants to US	Pregnant immigrant women; consecutively numbered charts of women who registered between June 1984 and July 1985 at Columbia Presbyterian Medical Center, NYC	females	237	4.6%	1.96%	7.32%	11.96%	12.63%	Friedman, S. M., L. P. DeSilva, et al. (1988). "Hepatitis B screening in a New York City obstetrics service." Am J Public Health 78(3): 308-10.	3341502	996
Dominican Republic	Jonas, 1985	migrants to US	Pregnant migrants from Dominican Republic presenting to OB service of a large municipal hospital in Dade Co FLA	females	76	5.3%	0.26%	10.34%	10.92%	3.57%	Jonas, M. M., E. R. Schiff, et al. (1987). "Failure of Centers for Disease Control criteria to identify hepatitis B infection in a large municipal obstetrical population." Ann Intern Med 107(3): 335-7.	3039886	994
Dominican Republic	Koenig, 1984-1986		Pregnant women; "prepartal women; no selection described	females	90	11.1%	4.61%	17.59%	10.11%	2.15%	Koenig RE (1987) HIV infection in the Dominican Republic. JAMA 258(1):47-48	NPM	997
Dominican Republic	Gonzalez, 1994-1995	rural villages Los Dajaos	Young females residing in rural villages Los Dajaos; no selection described	females	212	9.0%	5.15%	12.85%	11.50%	6.11%	Gonzalez A, Rosario L, Del Barrio JL, Gil A. (1997) Hepatitis B in developing countries: prevalence of anto-HBc and HBsAg in rural area of Dominican Republic. Pediatrka 17:45-48	NPM	998
Dominican Republic	Koenig, 1984-1986		School children; no selection described	both	190	26.3%	20.04%	32.56%	10.25%	2.31%	Koenig RE (1987) HIV infection in the Dominican Republic. JAMA 258(1):47-48	NPM	997
Dominican Republic	Koenig, 1984-1986		Rural inhabitants; no selection described	both	190	11.1%	6.63%	15.57%	11.21%	4.54%	Koenig RE (1987) HIV infection in the Dominican Republic. JAMA 258(1):47-48	NPM	997
Dominican Republic	Gonzalez, 1986	rural El Aguacate Arriba, Moca	Rural population El Aguacate Arriba; apparently healthy persons, no selection in abstract	both	90	3.3%	-0.39%	6.99%	11.57%	6.65%	Gonzalez EG, Caridad Rivas L, Peña Gerardo T, Cid Almonte B; Peña Drullard M, Minaya I (1991) Prevalencia del antígeno de superficie del virus de la hepatitis B (HBs Ag) / Prevalence of hepatitis B surface antigen (HBs Ag). Rev Med Dom 52(3):5-10	NPM	999
Dominican Republic	Mendoza, 1987*	Santo Domingo	Children <15 yo taken at random from the outpatient clinic of Clinica Infantil Robert Ried Cabral	both	186	27.9%	21.45%	34.35%	10.14%	2.18%	Mendoza, H (1987) Prevalencia de la infección por virus de la hepatitis B en niños menores de 15 años. Arch Dom Pedo 23(3): 5-8	NPM	1000
Dominican Republic	Silveira, 1996	Santo Domingo	General population Santo Domingo; population recruited from 3 health care centers where attendees were from lower socioeconomic background; includes women at antenatal visits; no description of selection or response rate	both	473	1.9%	0.67%	3.13%	12.33%	59.85%	Silveira, T. R., J. C. da Fonseca, et al. (1999). "Hepatitis B seroprevalence in Latin America." Rev Panam Salud Publica 6(6): 378-83.	10659668	995
					total studies	9	1,744		100.00%	100.00%			
					males	0							
					females	4							
					both	5							

* indicates publication year; survey year not reported

Table 44: Summary of Surveys Included in Meta-Analysis: Jamaica Caribbean

Country	Study, survey year(s)*	Region	Population and sampling method	Sex	HBsAg			RE weight (%)	FE weight (%)	Reference	Access No	Ref No.	
					Sample positive (n)	lower CI	upper CI						
Jamaica	King, 1991	Kingston	Pregnant women; routine antenatal testing at University Hospital of the West Indies; Kingston	females	513	0.2%	-0.19%	0.59%	30.15%	84.68%	King, S. D., R. Y. Dodd, et al. (1995). "Prevalence of antibodies to hepatitis C virus and other markers in Jamaica." <i>West Indian Med J</i> 44(2): 55-7.	7545339	1011
Jamaica	Dowe, 1998*	Kingston	Pregnant women; consecutive pts attending antenatal clinic at Univ Hosp of the West Indies, Kingston; represent 10% of the annual admissions	females	200	0.5%	-0.48%	1.48%	29.42%	13.25%	Barton, E. N., S. D. King, et al. (1998). "The seroprevalence of hepatitis and retroviral infection in Jamaican haemodialysis patients." <i>West Indian Med J</i> 47(3): 105-7.	9861862	1012
Jamaica	Barton, 2001*	Kingston and St Andrew region	Young children attending basic and preschools; no selection in abstract	both	525	12.0%	9.22%	14.78%	24.45%	1.64%	Barton MA, Samms Vaughn ME, King SD, Trotman H (2001) Hepatitis B carrier state in young Jamaican children. <i>West Indian Med J</i> 50(Suppl 5):12	NPM	1013
Jamaica	Barton, 1998*	Kingston	Controls for dialysis patients; persons who had not had dialysis, transfusions, or surgery; University Hospital of the West Indies and Kingston General Hospital	both	63	5.0%	-0.38%	10.38%	15.97%	0.44%	Barton, E. N., S. D. King, et al. (1998). "The seroprevalence of hepatitis and retroviral infection in Jamaican haemodialysis patients." <i>West Indian Med J</i> 47(3): 105-7.	9861862	1014
				total studies	4	1,301			100.00%	100.00%			
				males	0								
				females	2								
				both	2								

* indicates publication year; survey year not reported

Table 45: Summary of Surveys Included in Meta-Analysis: Haiti Caribbean

Country	Study, survey year(s)*	Region	Population and sampling method	Sex	HBsAg				RE weight (%)	FE weight (%)	Reference	Access No	Ref No.
					Sample positive (n)	(%)	lower CI	upper CI					
Haiti	State of Florida, 1981*	migrants to US	Haitian migrants to Belle Glade FL; no selection described; males	males	107	15.9%	8.97%	22.83%	1.47%	0.19%	Florida State Department of Health and Rehabilitative Services (1981) Hepatitis B in Haitian refugees. Epigram 3:1	NPM	1006
Haiti	Lange, 1981	migrants to US	Haitian migrants to US; male boat persons detained by US Immigration and Naturalization Service during 2Q 1981; males	males	171	12.3%	7.38%	17.22%	2.70%	0.38%	Lange WR, Cone EJ, and Jaffe JH (1988) Study of Haitian Boat people shows prevalence of HBV and HIV markers. Public Health Reports 103(1):98-99	NPM	1007
Haiti	Malison, 1982	migrants to US	Pregnant Haitian migrants; attending antenatal clinic in Immokalee, FL, a small migrant farmer workers community; CDC unpublished data	females	77	7.0%	1.30%	12.70%	2.09%	0.28%	Malison, M. D., M. A. Kane, et al. (1985). "A seroprevalence survey of hepatitis B markers among Haitians in a southwest Florida farming community." Am J Public Health 75(9): 1094-5.	4025664	1004
Haiti	Delage, 1982-1984	migrants to Montreal	Pregnant women migrants to Montreal; routine prenatal serology testing at 9 hospitals)	females	543	3.3%	1.80%	4.80%	11.68%	4.04%	Delage, G., S. Montplaisir, et al. (1986). "Prevalence of hepatitis B virus infection in pregnant women in the Montreal area." CMAJ 134(8): 897-901.	3955483	1003
Haiti	Malson, 1985	migrants to US	Haitian women in Florida; volunteers from community with >80% Haitian population; ; all unvaccinated; no response	females	51	4.0%	-1.38%	9.38%	2.32%	0.32%	Malison, M. D., M. A. Kane, et al. (1985). "A seroprevalence survey of hepatitis B markers among Haitians in a southwest Florida farming community." Am J Public Health 75(9): 1094-5.	4025664	1004
Haiti	Jonas, 1985	migrants to US	Pregnant migrants from Haiti; women presenting to OB service of a large municipal hospital in Dade Co FLA	females	606	3.8%	2.28%	5.32%	11.58%	3.94%	Jonas, M. M., E. R. Schiff, et al. (1987). "Failure of Centers for Disease Control criteria to identify hepatitis B infection in a large municipal obstetrical population." Ann Intern Med 107(3): 335-7.	3039886	1002
Haiti	Centres GHESKIO, 1996	17 clinics	Pregnant women presenting for the first time to 17 antenatal clinics	females	2,491	5.1%	4.23%	5.95%	15.16%	12.24%	Centres GHESKIO and CDC (2004) [STUDY OF SERO MONITORING BY METHOD SENTINEL OF THE PREVALENCE OF THE HIV, SYPHILIS, HEPATITIS B AND HEPATITIS C IN THE EXPECTANT MOTHERS IN HAITI 2003/2004]. Ministere de la Sante Publique et de la Population; Insitutu Haitian de L'Enfance, Port-au-Prince, Haiti, July 2004	NPM	1008
Haiti	Centres GHESKIO, 2003-2004	17 clinics	Pregnant women presenting for the first time to 17 antenatal clinics	females	6,779	4.7%	4.23%	5.25%	16.78%	35.65%	Centres GHESKIO and CDC (2004) [STUDY OF SERO MONITORING BY METHOD SENTINEL OF THE PREVALENCE OF THE HIV, SYPHILIS, HEPATITIS B AND HEPATITIS C IN THE EXPECTANT MOTHERS IN HAITI 2003/2004]. Ministere de la Sante Publique et de la Population; Insitutu Haitian de L'Enfance, Port-au-Prince, Haiti, July 2004	NPM	1008
Haiti	Andernach, 2006	19 clinics throughout Haiti	Pregnant women; part of a national survey to evaluate prevalences of HIV, hepatitis, and syphilis among pregnant women at their first antenatal visit	females	7,174	5.0%	4.50%	5.50%	16.79%	35.86%	Andernach, I. E., C. Nolte, et al. (2009). "Slave trade and hepatitis B virus genotypes and subgenotypes in Haiti and Africa." Emerg Infect Dis 15(8): 1222-8	19751583	1005
Haiti	Rosenblum, 1990*	migrants to US	Haitians in Belle Glade Florida; randomly samples from census register; (73%) agreed to participate	both	117	4.3%	0.61%	7.93%	4.34%	0.68%	Rosenblum, L. S., S. C. Hadler, et al. (1990). "Heterosexual transmission of hepatitis B virus in Belle Glade, Florida. Belle Glade Study Group." J Infect Dis 161(3): 407-11.	2313121	1009

Haiti	Rein, 2006-2008	migrants to US	Refugees arriving in the US 2006-2008; information from states with an active refugee health coordinator	both	659	2.6%	1.38%	3.82%	13.26%	6.18%	Rein, D. B., S. B. Lesesne, et al. "Prevalence of hepatitis B surface antigen among refugees entering the United States between 2006 and 2008." <i>Hepatology</i> 51(2): 431-4.	19902482	1010
Haiti	Schill, 1988	rural	Rural population Haiti; randomly selected without exclusions from pts consulting at maternity and dispensary	both	116	13.0%	6.88%	19.12%	1.84%	0.24%	Schill, P. H., B. Bruneau, et al. (1989). "[Seroprevalence of anti-HIV antibodies in a rural Haitian population]." <i>Bull Soc Pathol Exot Filiales</i> 82(3): 308-15.	2766441	1001
				total studies	12	18,891			100.00%	100.00%			
				males	2								
				females	7								
				both	3								

* indicates publication year; survey year not reported

Table 46: Summary of Surveys Included in Meta-Analysis: Trinidad and Tobago Caribbean

Country	Study, survey year(s)*	Region	Population and sampling method	Sex	HBsAg			RE weight (%)	FE weight (%)	Reference	Access No	Ref No.	
					Sample positive (n)	lower CI	upper CI						
Trinidad and Tobago	Cruz, 2000	national	Blood donors 2000; national data made available for 1996 to 2003 for all countries by Ministries of Health; info submitted to PAHO	both	14,882	0.8%	0.68%	0.98%	48.15%	39.25%	Cruz, J. R., M. D. Perez-Rosales, et al. (2005). "Safety of blood supply in the Caribbean countries: role of screening blood donors for markers of hepatitis B and C viruses." J Clin Virol 34 Suppl 2: S75-80.	16461244	1015
Trinidad and Tobago	Cruz, 2002	national	Blood donors 2002; national data made available for 1996 to 2003 for all countries by Ministries of Health; info submitted to PAHO	both	16,687	0.6%	0.48%	0.72%	51.85%	60.75%	Cruz, J. R., M. D. Perez-Rosales, et al. (2005). "Safety of blood supply in the Caribbean countries: role of screening blood donors for markers of hepatitis B and C viruses." J Clin Virol 34 Suppl 2: S75-80.	16461244	1015
				total studies	2	31,569			100.00%	100.00%			
				males	0								
				females	0								
				both	2								

* indicates publication year; survey year not reported

Table 47: Summary of Surveys Included in Meta-Analysis: Barbados

Caribbean

Country	Study, survey year(s)*	Region	Population and sampling method	Sex	HBsAg		lower CI	upper CI	RE weight (%)	FE weight (%)	Reference	Access No	Ref No.
					Sample positive (n)	(%)							
Barbados	Mazzur, 1977	national	Blood donors; samples submitted to Red Cross Latin American Hepatitis B Workshop, 1977	both	500	1.4%	0.37%	2.43%	5.74%	1.88%	Mazzur, S., N. Nath, et al. (1980). "[Distribution of hepatitis virus (HBV) markers in blood donors of 13 countries of the Western hemisphere: proceedings of the Red Cross Latin American Workshop on Hepatitis B]." <i>Bol Oficina Sanit Panam</i> 89(3): 239-48.	6449950	1017
Barbados	Cruz, 1996	national	Blood donors 1996; national data made available for 1996 to 2003 for all countries by Ministries of Health; info submitted to PAHO)	both	2,902	0.4%	0.17%	0.63%	43.85%	37.77%	Cruz, J. R., M. D. Perez-Rosales, et al. (2005). "Safety of blood supply in the Caribbean countries: role of screening blood donors for markers of hepatitis B and C viruses." <i>J Clin Virol</i> 34 Suppl 2: S75-80.	16461244	1015
Barbados	Cruz, 2002	national	Blood donors 2002; national data made available for 1996 to 2003 for all countries by Ministries of Health; info submitted to PAHO	both	3,481	0.3%	0.12%	0.48%	50.40%	60.35%	Cruz, J. R., M. D. Perez-Rosales, et al. (2005). "Safety of blood supply in the Caribbean countries: role of screening blood donors for markers of hepatitis B and C viruses." <i>J Clin Virol</i> 34 Suppl 2: S75-80.	16461244	1015
				total studies	3	6,883			100.00%	100.00%			
				males	0								
				females	0								
				both	3								

* indicates publication year; survey year not reported