

Table 1: Summary of Surveys Included in Meta-Analysis: China, Taiwan, Hong Kong													Eastern Asia	
Country	Study (survey year*)	Region	Subregion	Population and sampling method	Sex	Sample (n)	HBsAg positive (%)	95% lower CI	95% upper CI	RE weight (%)	FE weight (%)	Reference	Access No	Ref No
China	Beasley, 1974-1976	Taiwan	throughout Taiwan	Beasley 1974-1976, preschool children attending well-baby clinic throughout Taiwan; study to measure the incidence of HBV in young children; males (793)	males	793	8.3%	6.40%	10.24%	0.28%	0.02%	Beasley, R. P., L. Y. Hwang, et al. (1982). "Incidence of hepatitis B virus infections in preschool children in Taiwan." J Infect Dis 146(2): 198-204.	7108271	50
China	Beaseley, 1976-1978	southern Mainland provinces	migrants to Taiwan from southern Mainland provinces (14,036)	Beaseley 1976-1978, male government employees from southern Mainland provinces; routine medical exams provided by govt; volunteered to have HBV test; males (14,036)	males	14,036	17.7%	17.07%	18.33%	0.29%	0.20%	Beasley, R. P., C. C. Lin, et al. (1982). "Geographic distribution of HBsAg carriers in China." Hepatology 2(5): 553-6.	6288542	48
China	Beasley, 1976-1978	northern Mainland provinces	migrants to Taiwan from northern Mainland provinces (8,649)	Beasley 1976-1978, male government employees migrants to Taiwan from northern Mainland provinces; routine medical exams provided by govt; volunteered to have HBV test (8,649)	males	8,649	11.2%	10.54%	11.86%	0.29%	0.18%	Beasley, R. P., C. C. Lin, et al. (1982). "Geographic distribution of HBsAg carriers in China." Hepatology 2(5): 553-6.	6288542	48
China	Tu, 1979	Shanghai	Chongming Island (Shanghai?)	Tu 1979, all males >40 yo in four communes were invited to participate; Shanghai; 98% of eligible took part; male (12,222)	males	12,222	16.1%	15.45%	16.75%	0.29%	0.18%	Tu, J. T., R. N. Gao, et al. (1985). "Hepatitis B virus and primary liver cancer on Chongming Island, People's Republic of China." Natl Cancer Inst Monogr 69: 213-5.	3834335	40
China	Chiou, 1981-1982	Taiwan	southern Taiwan	Chiou 1981-1982, general population; collected sera from persons in 20 cities, towns and villages in southern third of Taiwan; male (1,580)	males	1,580	22.3%	20.25%	24.35%	0.28%	0.02%	Chiou, S. S., H. Obata, et al. (1984). "Hepatitis viruses in southern Taiwan--mass survey of 2985 inhabitants." Gastroenterol Jpn 19(4): 344-50.	6092191	44
China	Tong, 1982	migrants to LA	migrants to LA	Tong 1982, Chinese immigrants to Los Angeles; healthy FB Chinese participating in health fair in Los Angeles Chinatown; males (90)	males	90	17.0%	9.24%	24.76%	0.18%	0.00%	Tong, M. J., M. Yu, et al. (1984). "Hepatitis B virus markers in the foreign-born Chinese population of Los Angeles, California." J Infect Dis 149(3): 475.	6715904	49
China	Chen, 1983	Taiwan	0	Chen 1983, general population; 100 people randomly selected from two communes in each of 69 counties males (1,006)	males	1,056	20.0%	17.59%	22.41%	0.28%	0.01%	Chen J, Campbell TC, Li J, Peto, R. (1991) Diet, life-style and mortality in China: A study of the characteristics of 65 Chinese counties. Oxford Univeristy Press, Oxford, UK, Conell Univeristy Press, Ithaca, NY, Oxford University Press (Oxford UK), People's Publishing House, Beijing PRC. 894 pp.	NPM	18.00
China	Chen, 1983	Mainland	81 rural villages	Chen 1983, rural population in 65 counties throughout China; two rural villages in each county selected; select 25 each apparently healthy men and women (1,556)	males	1,556	15.3%	13.51%	17.09%	0.28%	0.02%	Chen, Z., A. Keech, et al. (1993). "Prolonged infection with hepatitis B virus and association between low blood cholesterol concentration and liver cancer." BMJ 306(6882): 890-4.	8490412	71
China	Chen, 1983-1985	Taiwan	12 Townships (Nankang, Nantzu, Tayuan, Tounan, Chunan, Kuanhsi; Hsinpu, Hengshan, Yuanshan, Chutien, Checheng)	Chen 1983-1985, all male residents ≥30 yo in 12 Townships and precincts were invited to participate; 13,737 participated; no response rate reported; male (9,688)	males	9,688	12.9%	12.23%	13.57%	0.29%	0.18%	Chen CJ, Yu, MW, Wang CJ, Huang HY, and Lin WC (1993) Multiple risk factors of hepatocellular carcinoma: a cohort study of 13,737 male adults in Taiwan. J Gastroentrol Hepatol 8 (S1):S83-87	NPM	226

China	Liu, 1984-1987	Hebei Province		Liu 1984-1987, general population Hebei Province; randomly selected population from four provinces; no info in English; males (539)	males	539	9.8%	7.32%	12.34%	0.28%	0.01%	Liu CB, Xu ZY, Cao HL, Sun YD, Chen DB, Jing Q, et al. (1991) Seroepidemiology of HBV infection in four provinces in China. <i>Chin J Virol (Chin) 7 Suppl: 8-14</i>	NPM	228
China	Liu, 1984-1987	Heilongjiang Province		Liu 1984-1987, general population Heilongjiang Province; randomly selected population from four provinces; no info in English; males (1,212)	males	1,212	10.3%	8.59%	12.01%	0.29%	0.03%	Liu CB, Xu ZY, Cao HL, Sun YD, Chen DB, Jing Q, et al. (1991) Seroepidemiology of HBV infection in four provinces in China. <i>Chin J Virol (Chin) 7 Suppl: 8-14</i>	NPM	228
China	Liu, 1984-1987	Henan Province		Liu 1984-1987, general population Henan Province; randomly selected population from four provinces; no info in English; males (2,265)	males	2,265	11.6%	10.28%	12.92%	0.29%	0.04%	Liu CB, Xu ZY, Cao HL, Sun YD, Chen DB, Jing Q, et al. (1991) Seroepidemiology of HBV infection in four provinces in China. <i>Chin J Virol (Chin) 7 Suppl: 8-14</i>	NPM	228
China	Liu, 1984-1987	Hunan Province	Xiangau City	Liu 1984-1987, general population Xiangau City, Hunan Province; randomly selected population from four provinces; no info in English; males (1,276)	males	1,276	13.5%	11.62%	15.38%	0.28%	0.02%	Liu CB, Xu ZY, Cao HL, Sun YD, Chen DB, Jing Q, et al. (1991) Seroepidemiology of HBV infection in four provinces in China. <i>Chin J Virol (Chin) 7 Suppl: 8-14</i>	NPM	228
China	Yu, 1984	Jiangsu province	Quidong county	Yu 1984, participants in seleneium trial Quidong; no selection described; male (105)	males	105	16.2%	9.15%	23.25%	0.20%	0.00%	Yu, S. Y., W. G. Li, et al. (1989). "Chemoprevention trial of human hepatitis with selenium supplementation in China." <i>Biol Trace Elem Res 20(1-2): 15-22.</i>	2484394	23
China	Yu, 1984-1986	Taiwan	Taiwan	Yu 1984-1986, all males >30 yo w/o cancer from 6 Townships invited to participate in prospective study of early detection of cancer; males (8,436)	males	8,436	13.0%	12.28%	13.72%	0.29%	0.15%	Yu, M. W., H. H. Hsieh, et al. (1995). "Vegetable consumption, serum retinol level, and risk of hepatocellular carcinoma." <i>Cancer Res 55(6): 1301-5.</i>	7882326	60
China	Chen, 1985-1987	Taiwan	Taipei	Chen 1985-1987, healthy community residents selected from an eligible roster, Taipei; males (200)	males	200	20.0%	14.46%	25.54%	0.23%	0.00%	Chen, C. J., K. Y. Liang, et al. (1991). "Effects of hepatitis B virus, alcohol drinking, cigarette smoking and familial tendency on hepatocellular carcinoma." <i>Hepatology 13(3): 398-406.</i>	1847891	11
China	Comfort, 1985	Hong Kong		Comfort 1985, hospital patients; random sample of new patients attending Reception Unit of Prince Philip Dental Hospital, Hong Kong; male (122)	males	122	14.8%	8.50%	21.10%	0.21%	0.00%	Comfort, M. B. and P. C. Wu (1989). "The reliability of personal and family medical histories in the identification of hepatitis B carriers." <i>Oral Surg Oral Med Oral Pathol 67(5): 531-4.</i>	2717151	25
China	Seiji, 1985	Anhui Province	Hefei	Seiji 1985, apparently healthy workers in large factories Hefei, Anhui province; no info on selection, eligibility, or participation rate; males (230)	males	230	6.5%	3.33%	9.71%	0.27%	0.01%	Seiji, K., O. Inoue, et al. (1987). "Prevalence of serological hepatitis B markers in a working population in Hefei, China." <i>Asia Pac J Public Health 1(4): 28-33.</i>	3452415	37
China	Qian, 1986-1989	Shanghai		Qian 1986-1989, controls w/o cancer from Shanghai Cohort Study; all men age 45-64 yo living in four small geographically defined areas of Shanghai invited; 18,244 took part; controls for HCC cases were randomly selected from the cohort (267)	males	267	11.6%	7.76%	15.44%	0.26%	0.01%	Qian, G. S., R. K. Ross, et al. (1994). "A follow-up study of urinary markers of aflatoxin exposure and liver cancer risk in Shanghai, People's Republic of China." <i>Cancer Epidemiol Biomarkers Prev 3(1): 3-10.</i>	8118382	63
China	Ross, 1986-1989	Shanghai		Ross 1986-1989, controls w/o cancer rom Shanghai Cohort Study; all men age 45-64 yo living in four small geographically defined areas of Shanghai invited; ; 18,244 took part; controls for HCC cases were randomly selected from the cohort (140)	males	140	10.7%	5.58%	15.82%	0.23%	0.00%	Ross, R. K., J. M. Yuan, et al. (1992). "Urinary aflatoxin biomarkers and risk of hepatocellular carcinoma." <i>Lancet 339(8799): 943-6.</i>	1348796	1

China	Yang, 1986-1989	Taiwan	central Taiwan area	Yang 1986-1989, college students; routine health screening for all new students; males (599)	males	599	17.8%	14.74%	20.86%	0.27%	0.01%	Yang, B. S., K. H. Chen, et al. (1993). "Hepatitis B virus surface antigen as an interpretation factor for serum biochemical tests in young adults." Proc Natl Sci Coun Repub China B 17(4): 152-8.	8171166	66
China	Yuan, 1986-1989	Shanghai		Yuan 1986-1989, subset of Shanghai Cohort Study; 18,244 middle-aged men who had been followed for an average of 5.3 year; from 4 small geographically defined areas of Shanghai; males (410)	males	410	11.9%	8.77%	15.03%	0.27%	0.01%	Yuan, J. M., R. K. Ross, et al. (1995). "A cohort study of serum testosterone and hepatocellular carcinoma in Shanghai, China." Int J Cancer 63(4): 491-3.	7591255	56
China	Yuan, 1986-2001	Shanghai		Yuan 1986-2001, controls without HCC; subset of Shanghai Cohort Study; ontrols without cancer from the cohort were matched to HCC pts by age, sex, date of blood collection, and neighborhood of residence; males (1,087)	males	1,087	9.6%	7.85%	11.35%	0.28%	0.03%	Yuan, J. M., Y. T. Gao, et al. (2006). "Prediagnostic level of serum retinol in relation to reduced risk of hepatocellular carcinoma." J Natl Cancer Inst 98(7): 482-90.	16595784	151
China	Yeh, 1987	Guangxi	Fusui or Wuming counties	Yeh 1987, controls for HCC; random subsample of larger cohort of 2,072 men being followed in a longitudinal study of HCC incidence Guanxi; males (304)	males	304	22.4%	17.71%	27.09%	0.24%	0.00%	Yeh, F. S., M. C. Yu, et al. (1989). "Hepatitis B virus, aflatoxins, and hepatocellular carcinoma in southern Guangxi, China." Cancer Res 49(9): 2506-9.	2539905	24
China	Seiji, 1988-1989	Beijing	Beijing	Seiji 1988-1989, apparently healthy workers in large factories Beijing; no info on selection, eligibility, or participation rate; majority in 20s and 30s males (421)	males	421	4.5%	2.53%	6.49%	0.28%	0.02%	Seiji, K., O. Inoue, et al. (1991). "Prevalence of hepatitis B virus infection markers among factory workers in Beijing, China." Asia Pac J Public Health 5(4): 345-9.	1844225	10
China	Ko, 1989*	Taiwan	Lo-Chi, rural area in south Taiwan	Ko 1989*, parents of children tested in an earlier "community-based" survey; males (337)	males	337	18.4%	14.26%	22.54%	0.25%	0.00%	Ko, Y. C., Y. Y. Yen, et al. (1989). "Female to male transmission of hepatitis B virus between Chinese spouses." J Med Virol 27(2): 142-4.	2921601	28
China	Seiji, 1988-1989	Jiangsu province	Wuxi	Seiji 1989, apparently healthy workers in large factories Wuxi, Jiangsu province; no info on selection, eligibility, or participation rate; majority in 20s and 30s; males (161)	males	161	13.0%	7.81%	18.19%	0.23%	0.00%	Seiji, K., O. Inoue, et al. (1991). "Prevalence of hepatitis B virus infection markers among factory workers in Beijing, China." Asia Pac J Public Health 5(4): 345-9.	1844225	10
China	Seiji, 1988-1989	Shanghai,		Seiji 1989, apparently healthy workers in large factories Shanghai, no info on selection, eligibility, or participation rate; majority in 20s and 30s; males (169)	males	169	9.5%	5.06%	13.88%	0.25%	0.00%	Seiji, K., O. Inoue, et al. (1991). "Prevalence of hepatitis B virus infection markers among factory workers in Beijing, China." Asia Pac J Public Health 5(4): 345-9.	1844225	10
China	Tsen, 1989	Taiwan	Chung-Cheng district, Taipei City	Tsen 1989, children <13 yo five years after vaccination program started, Chung-Cheng, Taipei City; children attending wellbaby clinics, kindergarten and schools; study to assess effects of vaccination program; males (619)	males	619	5.7%	3.83%	7.47%	0.28%	0.02%	Tsen, Y. J., M. H. Chang, et al. (1991). "Seroprevalence of hepatitis B virus infection in children in Taipei, 1989: five years after a mass hepatitis B vaccination program." J Med Virol 34(2): 96-9.	1832440	9
China	Ko, 1990*	Taiwan	Chi-Yi	Ko 1990*, tattooed military recruits undergoing mandatory medical exam; Chi-Yi; males (180)	males	180	25.5%	19.13%	31.87%	0.21%	0.00%	Ko, Y. C., S. J. Lan, et al. (1990). "An increased risk of hepatitis B virus infection from tattooing in Taiwan." Gaoxiong Yi Xue Ke Xue Za Zhi 6(5): 237-43.	2362302	21
China	Ko, 1990*	Taiwan	Chi-Yi	Ko 1990*, non-tattooed military recruits undergoing mandatory medical exam; Chi-Yi; males (90)	males	90	23.3%	14.57%	32.03%	0.17%	0.00%	Ko, Y. C., S. J. Lan, et al. (1990). "An increased risk of hepatitis B virus infection from tattooing in Taiwan." Gaoxiong Yi Xue Ke Xue Za Zhi 6(5): 237-43.	2362302	21

China	Seiji, 1988-1989	Shaanxi province	Xian	Seiji 1990, apparently healthy workers in large factories Xian, Shaanxi province; no info on selection, eligibility, or participation rate; majority in 20s and 30s; males (236)	males	236	8.9%	5.27%	12.53%	0.26%	0.01%	Seiji, K., O. Inoue, et al. (1991). "Prevalence of hepatitis B virus infection markers among factory workers in Beijing, China." <i>Asia Pac J Public Health</i> 5(4): 345-9.	1844225	10
China	Chen, 1991-1992	Taiwan	Penghu Islets	Chen 1991-1992, general population; community-based two-stage screening survey; Penghu Islands; males (4,691)	males	4,691	21.7%	20.52%	22.88%	0.29%	0.06%	Chen, C. J., L. Y. Wang, et al. (1996). "Elevated aflatoxin exposure and increased risk of hepatocellular carcinoma." <i>Hepatology</i> 24(1): 38-42.	8707279	73
China	Chen, 1991-1992	Taiwan	seven townships (northern, central, southern, and remote islets)	Chen 1991-1992, all residents of seven townships (northern, central, southern, and remote islets invited for cancer screening; male (11,973)	males	11,973	20.4%	19.68%	21.12%	0.29%	0.15%	Chen, C. J., H. I. Yang, et al. (2006). "Risk of hepatocellular carcinoma across a biological gradient of serum hepatitis B virus DNA level." <i>JAMA</i> 295(1): 65-73.	16391218	149
China	Lin, 1991-1999	Taiwan	Hualien	Lin 1991-1999, high school freshman in Hualien; annual surveys of HBsAg carried out in freshmen at two largest high schools; >90% of freshman class tested each year; males (4,471)	males	4,471	14.8%	13.76%	15.84%	0.29%	0.07%	Lin, H. H., S. S. Lin, et al. (2002). "Trend of hepatitis B virus infection in freshmen classes at two high schools in Hualien, Taiwan from 1991 to 1999." <i>J Med Virol</i> 67(4): 472-6.	12115991	120
China	Lu, 1991*	Taiwan	southwest townships (Peimen, Hsuechia, Putia, Ichu)	Lu 1991*, residents of endemic area of chronic arsenicism; southwest townships: Peimen, Hsuechia, Putia, Ichu; males (231)	males	231	21.2%	15.93%	26.47%	0.23%	0.00%	Lu, J. N. and C. J. Chen (1991). "Prevalence of hepatitis B surface antigen carrier status among residents in the endemic area of chronic arsenicism in Taiwan." <i>Anticancer Res</i> 11(1): 229-33.	2018356	16
China	Lu, 1991-1993	Taiwan	Paisha and Tzukuan	Lu 1991-1993, all residents of two villages age 30-65 invited; 23% participates; Paisha and Tzukuan; males (700)	males	700	25.2%	21.98%	28.42%	0.27%	0.01%	Lu, S. N., P. Y. Chue, et al. (1997). "Different viral aetiology of hepatocellular carcinoma between two hepatitis B and C endemic townships in Taiwan." <i>J Gastroenterol Hepatol</i> 12(7): 547-50.	9257249	83
China	Tao, 1991	Beijing		Tao 1991, "normal subjects in Beijing"; no info on sampling, eligibility criteria, or participation rate; males (258)	males	258	1.9%	0.26%	3.62%	0.29%	0.03%	Tao, Q. M., Y. Wang, et al. (1991). "Seroepidemiology of HCV and HBV infection in northern China." <i>Gastroenterol Jpn</i> 26 Suppl 3: 156-8.	1909257	13
China	Evans, 1992-1993	Jiangsu Province	Haimen City	Evans 1992-1993, general population; subjects enrolled from 1008 villages in 35 townships of Haimen City; 8-year follow-up of a prospective cohort study; male (58,454)	males	58,454	15.0%	14.71%	15.29%	0.29%	0.93%	Evans, A. A., G. Chen, et al. (2002). "Eight-year follow-up of the 90,000-person Haimen City cohort: I. Hepatocellular carcinoma mortality, risk factors, and gender differences." <i>Cancer Epidemiol Biomarkers Prev</i> 11(4): 369-76.	11927497	118
China	Marshall, 1992	Hong Kong	Hong Kong	Marshall 1992, all students at University of Hong Kong were invited to participate in screening and vaccination male (1,450)	males	1,450	4.5%	3.42%	5.54%	0.29%	0.07%	Marshall, I. B. (1995). "Screening and vaccination for hepatitis B in Hong Kong University students." <i>J Am Coll Health</i> 44(2): 59-62.	7593994	57
China	Xia, 1992	145 sites in 30 provinces		Xia, 1992, general population National Survey; community based using multistage cluster sampling; 145 disease-surveillance sites in 30 provinces males (19,683)	males	29,683	11.3%	10.97%	11.69%	0.29%	0.60%	Guo-Liang Xia, a, Chong-Bai Liua, Hui-Lin Caoa, Sheng-Li Bia, Mei-Yun Zhana, Chong-Ao Sub, Jun-Hua Nanc and Xiao-Qui Q (1996) Prevalence of hepatitis B and C virus infections in the general Chinese population. Results from a nationwide cross-sectional seroepidemiologic study of hepatitis A, B, C, D, and E virus infections in China, 1992. <i>International Hepatology Communications</i> 5(1): 62-73	NPM	227

China	Zhuo, 1992	Guangxi Province		Zhuo 1992, general population; one-time survey of hepatitis was included in the National Disease Surveillance System Guangxi Province; male (654)	males	654	24.0%	20.73%	27.27%	0.27%	0.01%	Zhuo, J., G. Tao, et al. (2000). "The relationship of hepatitis B virus infection between adults and their children in Guangxi Province, China." <i>J Hepatol</i> 33(4): 628-31.	11059868	104
China	Hatch, 1993*	Taiwan	8 areas of Taiwan	Hatch 1993*, general population from 8 areas of Taiwan with a 2-fold range in prevalence of HBV carriers; randomly selected from population rosters; male (112)	males	112	22.3%	14.59%	30.01%	0.19%	0.00%	Hatch, M. C., C. J. Chen, et al. (1993). "Urinary aflatoxin levels, hepatitis-B virus infection and hepatocellular carcinoma in Taiwan." <i>Int J Cancer</i> 54(6): 931-4.	8392983	69
China	Wu, 1994	Taiwan		Wu 1994, coke oven and by-product workers male (213)	males	213	20.7%	15.26%	26.14%	0.23%	0.00%	Wu, M. T., K. T. Kelsey, et al. (1997). "Elevated serum liver enzymes in coke oven and by-product workers." <i>J Occup Environ Med</i> 39(6): 527-33.	9211210	81
China	Wu, 1994	Taiwan		Wu 1994, controls for coke workers (administrative) (131)	males	131	16.0%	9.72%	22.28%	0.21%	0.00%	Wu, M. T., K. T. Kelsey, et al. (1997). "Elevated serum liver enzymes in coke oven and by-product workers." <i>J Occup Environ Med</i> 39(6): 527-33.	9211210	81
China	Chen, 1995	Taiwan	Matzu	Chen 1995, general population of Matzu; all invited; 69% participated males only (759)	males	759	29.6%	26.35%	32.85%	0.27%	0.01%	Chen, S. Y., T. Y. Liu, et al. (1997). "Seroprevalences of hepatitis B and C viruses and Helicobacter pylori infection in a small, isolated population at high risk of gastric and liver cancer." <i>Int J Cancer</i> 71(5): 776-9.	9180145	78
China	Chen, 1995	Taiwan	Matzu	Chen 1995, general population recruited from a two-stage survey to investigate risk factors for intestinal metaplasia Matzu; ; all residents >30 yo participated; about half selected for the current study; male (169)	males	169	29.0%	22.16%	35.84%	0.20%	0.00%	Chen, S. Y., C. J. Chen, et al. (2000). "Associations of plasma aflatoxin B1-albumin adduct level with plasma selenium level and genetic polymorphisms of glutathione S-transferase M1 and T1." <i>Nutr Cancer</i> 38(2): 179-85.	11525595	111
China	Cheng, 1995-1999	Hong Kong		Cheng 1995-1999, consecutive cohort of Chinese patients with type 2 diabetes routinely assessed for risk factors male (1,169)	males	1,169	12.3%	10.42%	14.18%	0.28%	0.02%	Cheng, A. Y., A. P. Kong, et al. (2006). "Chronic hepatitis B viral infection independently predicts renal outcome in type 2 diabetic patients." <i>Diabetologia</i> 49(8): 1777-84.	16736132	155
China	Hsieh, 1995-1997	Taiwan	Taipei	Hsieh 1995-1997, vinyl chloride and PVC workers Taipei; employed in five polyvinyl chloride (PVC) or four vinyl chloride monomer (VCM) manufacturing factories; male (568)	males	568	17.3%	14.19%	20.41%	0.27%	0.01%	Hsieh, H. I., J. D. Wang, et al. (2003). "Synergistic effect of hepatitis virus infection and occupational exposures to vinyl chloride monomer and ethylene dichloride on serum aminotransferase activity." <i>Occup Environ Med</i> 60(10): 774-8.	14504367	135
China	Litch, 1995-1997	Tibetan	refugees from Tibet to India	Litch 1995-1997, Tibetan refugees to India; endoscopy pts, pregnant women, blood donors (214)	males	124	25.0%	17.38%	32.62%	0.19%	0.00%	Litch, J. A., J. R. Shackleton, et al. (1998). "Prevalence of hepatitis B infection among Tibetan refugees in northern India." <i>Trop Doct</i> 28(4): 229-30.	9803847	91
China	Maskai, 1995	Shanghai		Maskai 1995, steel workers; workers employed at a large manufacturing plant who had routine health check-ups; Shanghai; males (690)	males	690	21.4%	18.34%	24.46%	0.27%	0.01%	Masaki, M., K. I. Nakamura, et al. (2001). "The Effects of the Hepatitis B Virus and Occupational and Lifestyle Factors on Liver Function Among Workers in Shanghai." <i>Asian Pac J Cancer Prev</i> 2(3): 207-213.	12718633	131

China	Chen, 1996-2005	Taiwan	0	Chen 1996-2005, general population born before 1984; series of outreach community-based screening programs for liver diseases have been available to the general population since 1996; public invited by mail, radio, TV, and newspaper ads; males (67,559)	males	67,559	21.0%	20.69%	21.31%	0.29%	0.83%	Chen, C. H., P. M. Yang, et al. (2007). "Estimation of seroprevalence of hepatitis B virus and hepatitis C virus in Taiwan from a large-scale survey of free hepatitis screening participants." <i>J Formos Med Assoc</i> 106(2): 148-55.	17339159	163
China	Fang, 1996	Korean Autonomous Prefecture	Helong County of Yanbian, a Korean Autonomous Prefecture of China	Fang 1996, Korean-Chinese in Yanbian area, Korean Autonomous Prefecture; no info on selection method, eligibility, or participation rate; male (279)	males	279	14.0%	9.93%	18.07%	0.25%	0.00%	Fang, J. N., C. J. Jin, et al. (2001). "A comparative study on serologic profiles of virus hepatitis B." <i>World J Gastroenterol</i> 7(1): 107-10.	11819743	116
China	Fang, 1996	Korean Autonomous Prefecture	Helong County of Yanbian, a Korean Autonomous Prefecture of China	Fang 1996, Han-Chinese in Yanbian area; no info on selection method, eligibility, or participation rate; male (98)	males	98	10.2%	4.21%	16.19%	0.22%	0.00%	Fang, J. N., C. J. Jin, et al. (2001). "A comparative study on serologic profiles of virus hepatitis B." <i>World J Gastroenterol</i> 7(1): 107-10.	11819743	116
China	Lee, 1996-1997	Hong Kong		Lee 1996-1997, adolescents randomly selected from 12 randomly selected secondary schools in four regions of Hong Kong; male (686)	males	686	7.9%	5.88%	9.92%	0.28%	0.02%	Lee, A., F. F. Cheng, et al. (2001). "Sero-epidemiology and risk factors of positive hepatitis B surface antigen amongst Chinese adolescents." <i>Asia Pac J Public Health</i> 13(1): 30-5.	12109258	119
China	Wang, 1996	Taiwan	Massago southwest coastal area	Wang 1996, residents of Masago >20 yo; no info on sampling; males (189)	males	189	39.2%	32.24%	46.16%	0.20%	0.00%	Wang, J. H., S. N. Lu, et al. (1999). "A hyperendemic community of hepatitis B virus and hepatitis C virus infection in Taiwan." <i>Trans R Soc Trop Med Hyg</i> 93(3): 253-4.	10492752	100
China	Wang, 1996?-2004	Taiwan	A-Lein Township	Wang 1996?-2004, general population; population-based community-wide screening; A-Lein Township, Taiwan males (2,579)	males	2,579	16.4%	14.97%	17.83%	0.29%	0.04%	Wang, C. S., W. J. Yao, et al. (2009). "The impact of type 2 diabetes on the development of hepatocellular carcinoma in different viral hepatitis statuses." <i>Cancer Epidemiol Biomarkers Prev</i> 18(7): 2054-60.	19549812	197
China	Yuan, 1996	Shanghai		Yuan 1996, age-matched controls for HCC pts selected from the cancer-free members of the cohort; Shanghai; males (660)	males	660	9.5%	7.26%	11.74%	0.28%	0.02%	Yuan, J. M., S. Govindarajan, et al. (2000). "Prospective evaluation of infection with hepatitis G virus in relation to hepatocellular carcinoma in Shanghai, China." <i>J Infect Dis</i> 182(5): 1300-3.	11023453	103
China	Zhang, 1996	Jiangsu province		Zhang 1996, newly enrolled university students Jiangsu Province; undergraduates studying for professional qualifications enrolling in Autumn 1996; university not named; no participation rate; males (1,727)	males	1,727	8.9%	7.58%	10.26%	0.29%	0.04%	Zhang, S. and Y. Chen (1998). "HBV serum marker detection and relative factor analysis of 2925 new students." <i>Public Health</i> 112(4): 257-9.	9724950	88
China	Wang, 1997-1998	Taiwan	A-Lien Township, Taiwan	Wang 1997-1998, general population; everyone who came to the A-Lien Community Health Center was screened for HBV; male (638)	males	638	12.1%	9.57%	14.63%	0.28%	0.01%	Wang, C. S., S. T. Wang, et al. (2003). "Community-based study of hepatitis C virus infection and type 2 diabetes: an association affected by age and hepatitis severity status." <i>Am J Epidemiol</i> 158(12): 1154-60.	14652300	139
China	Shen, 1999	Shanghai		Shen 1999, administrative officers; annual physical exams; Renji and Central Hospitals, Shanghai; male (2,583)	males	2,583	7.3%	6.30%	8.30%	0.29%	0.08%	Shen, L., J. G. Fan, et al. (2003). "Prevalence of nonalcoholic fatty liver among administrative officers in Shanghai: an epidemiological survey." <i>World J Gastroenterol</i> 9(5): 1106-10.	12717867	129

China	Chen, 2000-2003	Taiwan	central	Chen 2000-2003, university students at Chung Shan Medical University; presemester health checkup for all first-year students male (2,145)	males	2,145	8.0%	6.85%	9.15%	0.29%	0.06%	Chen, C. C., C. H. Yen, et al. (2007). "Epidemiology of hepatitis B virus infection among young adults in Taiwan, China after public vaccination program." <i>Chin Med J (Engl)</i> 120(13): 1155-8.	17637244	172
China	Lee, 2000-2005	Taiwan		Lee 2000-2005, morbidly obese males who had undergone bariatric surgery (111)	males	111	26.1%	17.93%	34.27%	0.18%	0.00%	Lee, W. J., W. Wang, et al. (2008). "Clinical characteristics and outcome of morbidly obese bariatric patients with concurrent hepatitis B viral infection." <i>Obes Surg</i> 18(5): 589-94.	18330660	186
China	Lin, 2000-2001	Taiwan	Hualien	Lin 2000-2001, annual survey of >90% of freshman class; Hualien; males (1,021)	males	1,021	5.6%	4.16%	6.98%	0.29%	0.04%	Lin, H. H., L. Y. Wang, et al. (2003). "Decline of hepatitis B carrier rate in vaccinated and unvaccinated subjects: sixteen years after newborn vaccination program in Taiwan." <i>J Med Virol</i> 69(4): 471-4.	12601753	125
China	Shen, 2000	Taiwan		Shen 2000, general population; annual health assessment for all members of 4 private nationwide MJ Health Screening Centers; Shanghai; male (38,807)	males	38,807	18.9%	18.51%	19.29%	0.29%	0.51%	Shen, Y. H., W. S. Yang, et al. (2005). "Bright liver and alanine aminotransferase are associated with metabolic syndrome in adults." <i>Obes Res</i> 13(7): 1238-45.	16076994	147
China	Su, 2000	Taiwan		Su 2000, university freshmen born 1976-1985; compulsory health screening exam at Fu-Jen Catholic University males (12,244)	males	12,244	7.9%	7.42%	8.38%	0.29%	0.34%	Su, F. H., H. Y. Huang, et al. (2007). "Forecasting the declining rate of chronic hepatitis-B carrier status at a Taiwanese university: twenty years after implementation of an universal HBV vaccination program in Taiwan." <i>Chang Gung Med J</i> 30(6): 521-8.	18350735	187
China	Tsay, 2000-2004	Taiwan	Taoyuan	Tsay 2000-2004, general population; persons who received a paid general checkup in Chang Gung Memorial Hospital, Taipei; male (24,523)	males	24,523	17.8%	17.32%	18.28%	0.29%	0.34%	Tsay, P. K., D. I. Tai, et al. (2009). "Impact of gender, viral transmission and aging in the prevalence of hepatitis B surface antigen." <i>Chang Gung Med J</i> 32(2): 155-64.	19403005	199
China	Zhang, 2000	Henan Province	Linxian, a rural community in Henan Province	Zhang 2000, general population; Linxian Nutritional Intervention Trial to prevent GI cancers; volunteers from adults 40-69 yrs from 4 Linxian communes, Henan Province; male (200)	males	200	5.0%	1.98%	8.02%	0.27%	0.01%	Zhang, M., X. D. Sun, et al. (2005). "Hepatitis C virus infection, Linxian, China." <i>Emerg Infect Dis</i> 11(1): 17-21.	15705317	145
China	Chao, 2001	migrants to SF Bay area		Chao 2001, immigrants from China to San Francisco; free screening program and educational seminars; recruited via public service ads in two Chinese-language newspapers; male (235)	males	235	18.0%	13.09%	22.91%	0.24%	0.00%	Chao, S. D., E. T. Chang, et al. (2009). "The Jade Ribbon Campaign: a model program for community outreach and education to prevent liver cancer in Asian Americans." <i>J Immigr Minor Health</i> 11(4): 281-90.	17990118	180
China	Huang, 2001-2002	Taiwan	remote areas; Hualien and Hsinchu	Huang 2001-2002, vaccinated school children in remote areas; Hualien and Hsinchu; all children from 15 kindergartens, 28 elementary schools, 2 junior highs were solicited; male (1,218)	males	1,218	4.9%	3.69%	6.11%	0.29%	0.05%	Huang, M. L., W. L. Liao, et al. (2007). "HBV serological markers of vaccinated children in remote areas of Taiwan: emphasis on factors contributing to vaccine failure." <i>Vaccine</i> 25(34): 6326-33.	17629600	171
China	Zhao, 2001*	Tibet	Tibet; villages in the east and west	Zhao 2001*, residents of four isolated villages in the east and west regions; ; no info on sampling, eligibility, or participation rate; males (160)	males	160	18.1%	12.13%	24.07%	0.22%	0.00%	Zhao, S. M., H. C. Li, et al. (2001). "High Prevalence of HBV in Tibet, China." <i>Asian Pac J Cancer Prev</i> 2(4): 299-304.	12718622	130

China	Wang, 2002-2004	Taiwan	Hualien County (one of poorest areas)	Wang 2002-2004, high school students born before universal vaccination program Hualien County; efficacy of universal hepatitis B vaccination program (UHBVP) in socio-economically disadvantaged area; males (63)	males	63	6.4%	0.36%	12.44%	0.22%	0.00%	Wang, L. Y., C. T. Hu, et al. (2006). "Geographic and ethnic variations of long-term efficacy and immunogenicity of hepatitis B vaccination in Hualien, a HBV hyperendemic area." <i>Vaccine</i> 24(20): 4427-32.	16574284	150
China	Wang, 2002-2004	Taiwan	Hualien County (one of poorest areas)	Wang 2002-2004, high school students born after universal vaccination program Hualien County; efficacy of universal hepatitis B vaccination program (UHBVP) in socio-economically disadvantaged area; males (1,221)	males	1,221	1.6%	0.90%	2.30%	0.29%	0.16%	Wang, L. Y., C. T. Hu, et al. (2006). "Geographic and ethnic variations of long-term efficacy and immunogenicity of hepatitis B vaccination in Hualien, a HBV hyperendemic area." <i>Vaccine</i> 24(20): 4427-32.	16574284	150
China	Yang, 2002-2003	Taiwan	Taipei	Yang 2002-2003, healthy adults, employees of two companies undergoing annual physical exam; Taipei males (385)	males	385	16.4%	12.70%	20.10%	0.26%	0.01%	Yang, K. C., M. F. Chen, et al. (2007). "Hepatitis B virus seropositivity is not associated with increased risk of carotid atherosclerosis in Taiwanese." <i>Atherosclerosis</i> 195(2): 392-7.	17134707	157
China	Hu, 2003	southeast		Hu 2003, coke oven workers in SE China; >90% participation rate among workers at these plants; some refused to participate "for medical reasons"; excluded 3 persons with hepatitis; males (705)	males	705	14.5%	11.90%	17.10%	0.28%	0.01%	Hu, Y., B. Chen, et al. "Occupational coke oven emissions exposure and risk of abnormal liver function: modifications of body mass index and hepatitis virus infection." <i>Occup Environ Med</i> 67(3): 159-65.	19773278	207
China	Hu, 2003	southeast		Hu 2003, workers at wire mesh plant in SE China; >90% participation rate among workers at these plants; some refused to participate "for medical reasons"; excluded 3 persons with hepatitis (247)	males	247	14.6%	10.20%	19.00%	0.25%	0.00%	Hu, Y., B. Chen, et al. "Occupational coke oven emissions exposure and risk of abnormal liver function: modifications of body mass index and hepatitis virus infection." <i>Occup Environ Med</i> 67(3): 159-65.	19773278	207
China	Luo, 2003-2004	Zhejiang Province	Hangzhou	Luo 2003-2004, general population; attending general health examination at university hospital, Hangzhou, Zhejiang Province; pts with diabetes, HTN, hyperlipidemia excluded; >70% university educated; male (4,898)	males	4,898	13.3%	12.35%	14.25%	0.29%	0.09%	Luo, B., Y. Wang, et al. (2007). "Association of metabolic syndrome and hepatitis B infection in a Chinese population." <i>Clin Chim Acta</i> 380(1-2): 238-40.	17316590	162
China	Wong, 2003*	Taiwan?		Wong 2003*, chemical workers; no info on sampling, eligibility, or participation rate; males (205)	males	205	18.0%	12.74%	23.26%	0.23%	0.00%	Wong, R. H., C. Y. Yeh, et al. (2003). "Association of hepatitis virus infection, alcohol consumption and plasma vitamin A levels with urinary 8-hydroxydeoxyguanosine in chemical workers." <i>Mutat Res</i> 535(2): 181-6.	12581536	123
China	Zhao, 2003-2006	Guangzhou southern		Zhao 2003-2006, retrospective study of serological tested performed at Sun Yat-sen University Hospital as part of annual health examinations from communities and companies; Guangzhou; males (48,380)	males	48,380	12.6%	12.30%	12.90%	0.29%	0.89%	Zhao, J., M. Qiu, et al. (2009). "Low prevalence of hepatitis B virus infection in patients with systemic lupus erythematosus in southern China." <i>Rheumatol Int</i> .	19826817	209
China	Lai, 2004-2005	Taiwan		Lai 2004-2005, general population; received periodic health exams at one medical center; no selection or response rates; males (285)	males	285	22.1%	17.28%	26.92%	0.24%	0.00%	Lai, S. W., W. L. Chang, et al. (2007). "Viral hepatitis among male amphetamine-inhaling abusers." <i>Intern Med J</i> 37(7): 472-7.	17445007	165
China	Lee, 2004	Taiwan	Kaohsiung	Lee 2004, adults in agricultural county in southern Taiwan; community study of participants in Taiwan National Health Insurance program; Kaohsiung males (17,168)	males	17,168	11.9%	11.42%	12.38%	0.29%	0.33%	Lee, J. J., M. Y. Lin, et al. "Association of Hepatitis C and B Virus Infection With CKD in an Endemic Area in Taiwan: A Cross-sectional Study." <i>Am J Kidney Dis</i> .	20400217	220

China	Su, 2005	Taiwan	Yuan Ze University, Taoyuan, Taiwan (north)	Su 2005, university students born before 1984; 97% of students entering Yuan Ze University in 2005, Taoyuan; males (495)	males	495	8.3%	5.85%	10.71%	0.28%	0.01%	Su, F. H., J. D. Chen, et al. (2007). "Seroprevalence of Hepatitis-B infection amongst Taiwanese university students 18 years following the commencement of a national Hepatitis-B vaccination program." <i>J Med Virol</i> 79(2): 138-43.	17177303	158
China	Su, 2005	Taiwan	Yuan Ze University, Taoyuan, Taiwan (north)	Su 2005, university students born after 6/1986; 97% of students entering Yuan Ze University in 2005, Taoyuan; males (706)	males	706	1.7%	0.75%	2.65%	0.29%	0.09%	Su, F. H., J. D. Chen, et al. (2007). "Seroprevalence of Hepatitis-B infection amongst Taiwanese university students 18 years following the commencement of a national Hepatitis-B vaccination program." <i>J Med Virol</i> 79(2): 138-43.	17177303	158
China	Cotler, 2006-2007	migrants to Chicago		Cotler 2006-2007, Chinese immigrants in Chicago; retrospective review of records of pts presenting for general med care to an urban Chinatown medicine practice; males (1,085)	males	1,085	12.6%	10.63%	14.57%	0.28%	0.02%	Cotler, S. J., M. K. Dharmija, et al. (2009). "Hepatitis B seroprevalence and disease characteristics in an urban Chinatown community." <i>Clin Gastroenterol Hepatol</i> 7(7): 776-80.	19344787	178
China	Liang, 2006	31 provinces		Liang 2006; national hepatitis; persons "living in 160 disease surveillance points in 31 provinces selected by Chinese CDC to be representative of the population of China; 50% of sample <15 yo; males (38,895)	males	38,895	8.6%	8.32%	8.88%	0.29%	1.01%	Liang, X., S. Bi, et al. (2009). "Epidemiological serosurvey of hepatitis B in China--declining HBV prevalence due to hepatitis B vaccination." <i>Vaccine</i> 27(47): 6550-7.	19729084	206
China	Tsai, 2006-2007	Taiwan	Taichung; 3rd largest city	Tsai 2006-2007, healthy non-obese adults in Taichung, the 3rd largest city; recruited from the health examination center of a regional hospital; purpose of the health check-up program is to promote public health through the early detection of disease; males (1,008)	males	1,008	16.5%	14.21%	18.79%	0.28%	0.01%	Tsai, C. H. (2009). "Metabolic syndrome in non-obese Taiwanese: new definition of metabolically obese, normal-weight individual." <i>Chin Med J (Engl)</i> 122(21): 2534-9.	19951566	212
China	Dai, 2007	Wuhan		Dai 2007, workers in a cold steel-rolling mill exposed to pollution from the mill; selected at random (2007)	males	596	7.2%	5.12%	9.28%	0.28%	0.02%	Dai, H., L. Chu, et al. (2009). "Prevalence of and risk factors for fatty liver disease in a professional population of Wuhan, China." <i>Public Health</i> 123(8): 545-8.	19674763	203
China	Dai, 2007	Wuhan	Wuhan	Dai 2007, workers in a cold steel-rolling mill NOT exposed to pollution from the mill; selected at random in the vicinity of the mill; mainly worked in the service industry (2007)	males	578	10.4%	7.91%	12.89%	0.28%	0.01%	Dai, H., L. Chu, et al. (2009). "Prevalence of and risk factors for fatty liver disease in a professional population of Wuhan, China." <i>Public Health</i> 123(8): 545-8.	19674763	203
China	Lam, 2007-2008	Hong Kong		Lam 2007-2008, male partners of women undergoing IVF; retrospective cohort study of couples undergoing IVF (287)	males	287	11.1%	7.47%	14.73%	0.26%	0.01%	Lam, P. M., S. H. Suen, et al. "Hepatitis B infection and outcomes of in vitro fertilization and embryo transfer treatment." <i>Fertil Steril</i> 93(2): 480-5.	19324342	198
China	Shi, 2007*	Taiwan	Taiwan, northern	Shi 2007*, young military recruits induction physical exams; males (1,897)	males	1,897	9.2%	7.90%	10.50%	0.29%	0.05%	Shi, M. D., S. Y. Lee, et al. (2007). "Increased risk of viral hepatitis in Taiwanese male conscriptees with tattoos." <i>Mil Med</i> 172(5): 539-40.	17521106	168
China	Wang, 2008*	Taiwan	Taipei	Wang 2008*, general population; HCV-negative patients attending a health examination center, Taipei, males (243)	males	243	12.3%	8.17%	16.43%	0.25%	0.00%	Wang, C. C., C. S. Hsu, et al. (2008). "Association of chronic hepatitis B virus infection with insulin resistance and hepatic steatosis." <i>J Gastroenterol Hepatol</i> 23(5): 779-82.	18028349	181
China	Beasley, 1977	Taiwan	throughout Taiwan	Beasley 1974-1976, preschool children attending well-baby clinic throughout Taiwan; females (717)	females	717	7.3%	5.35%	9.15%	0.28%	0.02%	Beasley, R. P., L. Y. Hwang, et al. (1982). "Incidence of hepatitis B virus infections in preschool children in Taiwan." <i>J Infect Dis</i> 146(2): 198-204.	7108271	50
China	Beasley, 1977	Taiwan	throughout Taiwan	Beasley 1977, mothers attending the wellbaby clinics at National Taiwan; study to measure the incidence of HBV in young children (218)	females	218	16.1%	11.22%	20.98%	0.24%	0.00%	Beasley, R. P., L. Y. Hwang, et al. (1982). "Incidence of hepatitis B virus infections in preschool children in Taiwan." <i>J Infect Dis</i> 146(2): 198-204.	7108271	50

China	Chiou, 1981-1982	Taiwan	southern Taiwan	Chiou 1981-1982, general population; collected sera from persons in 20 cities, towns and villages in southern third of Taiwan; no info on sampling, eligibility, or participation rate; female (1,405)	females	1,405	13.6%	11.81%	15.39%	0.28%	0.02%	Chiou, S. S., H. Obata, et al. (1984). "Hepatitis viruses in southern Taiwan--mass survey of 2985 inhabitants." <i>Gastroenterol Jpn</i> 19(4): 344-50.	6092191	44
China	Lo, 1981-1983	Taiwan	Taipei	Lo 1981-1983, pregnant women visiting obstetric clinic Taipei (5,595)	females	5,595	15.3%	14.36%	16.24%	0.29%	0.09%	Lo, K. J., Y. T. Tsai, et al. (1985). "Combined passive and active immunization for interruption of perinatal transmission of hepatitis B virus in Taiwan." <i>Hepatogastroenterology</i> 32(2): 65-8.	3159639	32
China	Chen, 1982-1983	Taiwan	Taipei	Chen 1982-1983, pregnant women screened in the antenatal clinic of a university teaching hospital Taipei (1,762)	females	1,762	8.3%	7.05%	9.63%	0.29%	0.05%	Chen, W. H., C. S. Yin, et al. (1998). "Neonatal gastric aspirates as a predictor of perinatal hepatitis B virus infections." <i>Int J Gynaecol Obstet</i> 60(1): 15-21.	9506409	85
China	Tong, 1982	migrants to LA		Tong 1982, Chinese immigrants to Los Angeles screened at health fair females (153)	females	153	12.0%	6.85%	17.15%	0.23%	0.00%	Tong, M. J., M. Yu, et al. (1984). "Hepatitis B virus markers in the foreign-born Chinese population of Los Angeles, California." <i>J Infect Dis</i> 149(3): 475.	6715904	49
China	Chen, 1983	Taiwan		Chen 1983, general population; 100 people randomly selected from two communes in each of 69 counties females (1,006)	females	1,056	17.0%	14.73%	19.27%	0.28%	0.02%	Chen J, Campbell TC, Li J, Peto, R. (1991) Diet, life-style and mortality in China: A study of the characteristics of 65 Chinese counties. Oxford University Press, Oxford, UK, Cornell University Press, Ithaca, NY, Oxford University Press (Oxford UK), People's Publishing House, Beijing PRC, 894 pp.	NPM	18
China	Fwu, 1983-2000	Taiwan		Fwu 1983-2000, pregnant women all women from population-based National Hepatitis B Vaccination Registry tested for HBsAg (1,782,401)	females	1,782,401	16.3%	16.22%	16.32%	0.29%	26.61%	Fwu, C. W., Y. C. Chien, et al. (2009). "Hepatitis B virus infection and hepatocellular carcinoma among parous Taiwanese women: nationwide cohort study." <i>J Natl Cancer Inst</i> 101(14): 1019-27.	19535774	200
China	Sun, 1983-1984	Jiangsu Province	rural area of Quidong County across Yangtze River from Shanghai	Sun 1983-1984, new mothers; participants in vaccination study; all newborns in 8 communes were vaccinated and entered into protocol; others in the vaccination group were selected by lottery by health representatives from the commune (1,180)	females	1,180	14.2%	12.21%	16.19%	0.28%	0.02%	Sun, T. T., Y. R. Chu, et al. (1986). "A pilot study on universal immunization of newborn infants in an area of hepatitis B virus and primary hepatocellular carcinoma prevalence with a low dose of hepatitis B vaccine." <i>J Cell Physiol Suppl</i> 4: 83-90.	3018008	31
China	Chen, 1984-1985	Taiwan		Chen 1984-1985, pregnant women; 78% of 450,585 pregnant women were screened in the first 15 mo period of mass vaccination program (352,721)	females	352,721	18.0%	17.87%	18.13%	0.29%	4.86%	Chen, D. S., N. H. Hsu, et al. (1987). "A mass vaccination program in Taiwan against hepatitis B virus infection in infants of hepatitis B surface antigen-carrier mothers." <i>JAMA</i> 257(19): 2597-603.	3573257	38
China	Klontz, 1984-1985	migrants to Oakland, CA	Chinese women in Oakland, CA	Klontz 1984-1985, pregnant women Chinese immigrants to Oakland; chart review; study cohort selected by using country of birth of mother from birth certificates of all infants born at Highland Hosp 1984-85 (53)	females	53	19.0%	8.44%	29.56%	0.14%	0.00%	Klontz, K. C. (1987). "A program to provide hepatitis B immunoprophylaxis to infants born to HBsAg-positive Asian and Pacific Island women." <i>West J Med</i> 146(2): 195-9.	3825119	281
China	Liu, 1984-1987	Hebei Province		Liu 1984-1987, general population Hebei Province; randomly selected population from four provinces; no info in English; females (576)	females	576	9.2%	6.84%	11.56%	0.28%	0.01%	Liu CB, Xu ZY, Cao HL, Sun YD, Chen DB, Jing Q, et al. (1991) Seroepidemiology of HBV infection in four provinces in China. <i>Chin J Virol (Chin)</i> 7 Suppl: 8-14	NPM	228

China	Liu, 1984-1987	Heilongjiang Province		Liu 1984-1987, general population Heilongjiang Province; randomly selected population from four provinces; no info in English; females (1,212)	females	1,212	8.6%	7.00%	10.16%	0.29%	0.03%	Liu CB, Xu ZY, Cao HL, Sun YD, Chen DB, Jing Q, et al. (1991) Seroepidemiology of HBV infection in four provinces in China. <i>Chin J Virol (Chin) 7 Suppl: 8-14</i>	NPM	228
China	Liu, 1984-1987	Henan Province		Liu 1984-1987, general population Henan Province; randomly selected population from four provinces; no info in English; females (2,300)	females	2,300	7.2%	6.16%	8.28%	0.29%	0.07%	Liu CB, Xu ZY, Cao HL, Sun YD, Chen DB, Jing Q, et al. (1991) Seroepidemiology of HBV infection in four provinces in China. <i>Chin J Virol (Chin) 7 Suppl: 8-14</i>	NPM	228
China	Liu, 1984-1987	Hunan Province	Xiangau City	Liu 1984-1987, general population Xiangau City, Hunan Province; randomly selected population from four provinces; no info in English; females (1,104)	females	1,104	12.8%	10.83%	14.77%	0.28%	0.02%	Liu CB, Xu ZY, Cao HL, Sun YD, Chen DB, Jing Q, et al. (1991) Seroepidemiology of HBV infection in four provinces in China. <i>Chin J Virol (Chin) 7 Suppl: 8-14</i>	NPM	228
China	Wong, 1984-1990	Taiwan	nationwide	Wong 1984-1990, pregnant women; pregnant women attending antenatal clinics invited to receive screening (1,542,238)	females	1,542,238	16.5%	16.44%	16.56%	0.29%	22.77%	Wong, W. C. and K. K. Tsang (1994). "A mass hepatitis B vaccination programme in Taiwan: its preparation, results and reasons for uncompleted vaccinations." <i>Vaccine 12(3): 229-34.</i>	8165855	65
China	Yu, 1984	Jiangsu province	Quidong county	Yu 1984, participants in seleneium trial Quidong;selection not described; female (97)	females	97	11.3%	5.00%	17.60%	0.21%	0.00%	Yu, S. Y., W. G. Li, et al. (1989). "Chemoprevention trial of human hepatitis with selenium supplementation in China." <i>Biol Trace Elem Res 20(1-2): 15-22.</i>	2484394	23
China	Comfort, 1985	Hong Kong		Comfort 1985, hospital patients; random sample of new patients attending Reception Unit of Prince Philip Dental Hospital, Hong Kong; female (178)	females	178	6.7%	3.06%	10.42%	0.26%	0.01%	Comfort, M. B. and P. C. Wu (1989). "The reliability of personal and family medical histories in the identification of hepatitis B carriers." <i>Oral Surg Oral Med Oral Pathol 67(5): 531-4.</i>	2717151	25
China	Lin, 1985	Taiwan	Taipei	Lin 1985, pregnant women; all parturients encountered in National Taiwan University Hospital Taipei (2,263)	females	2,263	13.2%	11.81%	14.59%	0.29%	0.04%	Lin, H. H., H. Y. Hsu, et al. (1994). "Age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>Asia Oceania J Obstet Gynaecol 20(2): 141-5.</i>	8092958	62
China	Seiji, 1985	Anhui Province	Hefei	Seiji 1985, apparently healthy workers in large factories Hefei, Anhui province; no info on selection, eligibility, or participation rate; majority in 20s and 30s females (273)	females	273	7.0%	3.94%	9.98%	0.27%	0.01%	Seiji, K., O. Inoue, et al. (1987). "Prevalence of serological hepatitis B markers in a working population in Hefei, China." <i>Asia Pac J Public Health 1(4): 28-33</i>	3452415	37
China	Stevens, 1985*	migrants to New York, San Francisco, LA		Stevens 1985*, pregnant women immigrants to New York, San Francisco, LA ; screened during pregnancy as part of a vaccination study (7,162)	females	7,162	11.4%	10.66%	12.14%	0.29%	0.14%	Stevens, C. E., P. T. Toy, et al. (1985). "Perinatal hepatitis B virus transmission in the United States. Prevention by passive-active immunization." <i>JAMA 253(12): 1740-5.</i>	3974052	41
China	Lin, 1986	Taiwan	Taipei	Lin 1986, pregnant women; all parturients encountered in National Taiwan University Hospital Taipei (1,951)	females	1,951	12.7%	11.22%	14.18%	0.29%	0.04%	Lin, H. H., H. Y. Hsu, et al. (1994). "Age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>Asia Oceania J Obstet Gynaecol 20(2): 141-5.</i>	8092958	62
China	Yang, 1986-1989	Taiwan	central Taiwan area	Yang 1986-1989, college students; routine health screening for all new students; female (1,558)	females	1,558	13.9%	12.18%	15.62%	0.29%	0.03%	Yang, B. S., K. H. Chen, et al. (1993). "Hepatitis B virus surface antigen as an interpretation factor for serum biochemical tests in young adults." <i>Proc Natl Sci Counc Repub China B 17(4): 152-8.</i>	8171166	66

China	Lin, 1987	Taiwan	Taipei	Lin 1987, pregnant women; all parturients encountered in National Taiwan University Hospital Taipei (1,826)	females	1,826	11.4%	9.94%	12.86%	0.29%	0.04%	Lin, H. H., H. Y. Hsu, et al. (1994). "Age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>Asia Oceania J Obstet Gynaecol</i> 20(2): 141-5.	8092958	62
China	Lin, 1988	Taiwan	Taipei	Lin 1988, pregnant women; all parturients encountered in National Taiwan University Hospital Taipei (2,104)	females	2,104	11.7%	10.33%	13.07%	0.29%	0.04%	Lin, H. H., H. Y. Hsu, et al. (1994). "Age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>Asia Oceania J Obstet Gynaecol</i> 20(2): 141-5.	8092958	62
China	Seiji, 1988-1989	Beijing		Seiji 1988-1989, apparently healthy workers in large factories Beijing; no info on selection, eligibility, or participation rate; majority in 20s and 30s; females (547)	females	547	3.1%	1.66%	4.56%	0.29%	0.04%	Seiji, K., O. Inoue, et al. (1991). "Prevalence of hepatitis B virus infection markers among factory workers in Beijing, China." <i>Asia Pac J Public Health</i> 5(4): 345-9.	1844225	10
China	Ko, 1989*	Taiwan	Lo-Chi, rural area in south Taiwan	Ko 1989*, parents of children tested in an earlier "community-based" survey; female (337)	females	337	18.4%	14.26%	22.54%	0.25%	0.00%	Ko, Y. C., Y. Y. Yen, et al. (1989). "Female to male transmission of hepatitis B virus between Chinese spouses." <i>J Med Virol</i> 27(2): 142-4.	2921601	28
China	Lin, 1989	Taiwan	Taipei	Lin 1989, pregnant women; all parturients encountered in National Taiwan University Hospital Taipei (1,747)	females	1,747	12.9%	11.33%	14.47%	0.29%	0.03%	Lin, H. H., H. Y. Hsu, et al. (1994). "Age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>Asia Oceania J Obstet Gynaecol</i> 20(2): 141-5.	8092958	62
China	Seiji, 1988-1989	Jiangsu province	Wuxi, Jiangsu province	Seiji 1989, apparently healthy workers in large factories Wuxi, Jiangsu province; no info on selection, eligibility, or participation rate; majority in 20s and 30s; females (129)	females	129	4.7%	1.02%	8.28%	0.26%	0.01%	Seiji, K., O. Inoue, et al. (1991). "Prevalence of hepatitis B virus infection markers among factory workers in Beijing, China." <i>Asia Pac J Public Health</i> 5(4): 345-9.	1844225	10
China	Seiji, 1988-1989	Shanghai,		Seiji 1989, apparently healthy workers in large factories Shanghai; no info on selection, eligibility, or participation rate; majority in 20s and 30s; females (121)	females	121	5.8%	1.63%	9.95%	0.25%	0.00%	Seiji, K., O. Inoue, et al. (1991). "Prevalence of hepatitis B virus infection markers among factory workers in Beijing, China." <i>Asia Pac J Public Health</i> 5(4): 345-9.	1844225	10
China	Tsen, 1989	Taiwan	Chung-Cheng district, Taipei City	Tsen 1989, children <13 yo five years after vaccination program started, Chung-Cheng, Taipei City; children attending wellbaby clinics, kindergarten and schools; study to assess effects of vaccination program; females (515)	females	515	3.7%	2.07%	5.33%	0.29%	0.03%	Tsen, Y. J., M. H. Chang, et al. (1991). "Seroprevalence of hepatitis B virus infection in children in Taipei, 1989: five years after a mass hepatitis B vaccination program." <i>J Med Virol</i> 34(2): 96-9.	1832440	9
China	Lin, 1990	Taiwan	Taipei	Lin 1990, pregnant women; all parturients encountered in National Taiwan University Hospital Taipei (1,923)	females	1,923	14.2%	12.64%	15.76%	0.29%	0.03%	Lin, H. H., H. Y. Hsu, et al. (1994). "Age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>Asia Oceania J Obstet Gynaecol</i> 20(2): 141-5.	8092958	62
China	Seiji, 1990	Shaanxi province	Xian, Shaanxi province	Seiji 1990, apparently healthy workers in large factories Xian, Shaanxi province; no info on selection, eligibility, or participation rate; majority in 20s and 30s; females (193)	females	193	6.2%	2.81%	9.63%	0.26%	0.01%	Seiji, K., O. Inoue, et al. (1991). "Prevalence of hepatitis B virus infection markers among factory workers in Beijing, China." <i>Asia Pac J Public Health</i> 5(4): 345-9.	1844225	10
China	Chen, 1991-1992	Taiwan	Penghu Islets	Chen 1991-1992, general population; community-based two-stage screening survey; Penghu Islands; females (1,796)	females	1,796	16.3%	14.59%	18.01%	0.29%	0.03%	Chen, C. J., L. Y. Wang, et al. (1996). "Elevated aflatoxin exposure and increased risk of hepatocellular carcinoma." <i>Hepatology</i> 24(1): 38-42.	8707279	73

China	Chen, 1991-1992	Taiwan	seven townships (northern, central, southern, and remote islets)	Chen 1991-1992, all residents of seven townships (northern, central, southern, and remote islets invited for cancer screening; female (11,847)	females	11,847	14.4%	13.77%	15.03%	0.29%	0.20%	Chen, C. J., H. I. Yang, et al. (2006). "Risk of hepatocellular carcinoma across a biological gradient of serum hepatitis B virus DNA level." <i>JAMA</i> 295(1): 65-73.	16391218	149
China	Lin, 1991	Taiwan	Taipei	Lin 1991, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (1,914)	females	1,914	11.3%	9.88%	12.72%	0.29%	0.04%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124
China	Lin, 1991-1999	Taiwan	Hualien	Lin 1991-1999, high school freshman in Hualien; annual surveys of HBsAg carried out in freshmen at two largest high schools; >90% of freshman class tested each year; females (3,798)	females	3,798	8.9%	7.99%	9.81%	0.29%	0.10%	Lin, H. H., S. S. Lin, et al. (2002). "Trend of hepatitis B virus infection in freshmen classes at two high schools in Hualien, Taiwan from 1991 to 1999." <i>J Med Virol</i> 67(4): 472-6.	12115991	120
China	Lu, 1991*	Taiwan	southwest townships (Peimen, Hsuechia, Putia, Ichu)	Lu 1991*, residents of endemic are of chronic arsenicism; southwest townships (Peimen, Hsuechia, Putia, Ichu); females (272)	females	272	19.5%	14.79%	24.21%	0.24%	0.00%	Lu, J. N. and C. J. Chen (1991). "Prevalence of hepatitis B surface antigen carrier status among residents in the endemic area of chronic arsenicism in Taiwan." <i>Anticancer Res</i> 11(1): 229-33.	2018356	16
China	Lu, 1991-1993	Taiwan	Paisha and Tzukuan	Lu 1991-1993, all residents of two villages age 30-65 invited; 23% participates; Paisha and Tzukuan; females (909)	females	909	18.6%	16.07%	21.13%	0.28%	0.01%	Lu, S. N., P. Y. Chue, et al. (1997). "Different viral aetiology of hepatocellular carcinoma between two hepatitis B and C endemic townships in Taiwan." <i>J Gastroenterol Hepatol</i> 12(7): 547-50.	9257249	83
China	Tao, 1991	Beijing		Tao 1991, "normal subjects in Beijing"; no info on sampling, eligibility criteria, or participation rate; females (180)	females	180	3.3%	0.71%	5.95%	0.27%	0.01%	Tao, Q. M., Y. Wang, et al. (1991). "Seroepidemiology of HCV and HBV infection in northern China." <i>Gastroenterol Jpn</i> 26 Suppl 3: 156-8.	1909257	13
China	Evans, 1992-1993	Jiangsu Province	Haimen City	Evans 1992-1993, general population; subjects enrolled from 1008 villages in 35 townships of Haimen City; 8-year follow-up of a prospective cohort study; female (25,340)	females	25,340	10.7%	10.32%	11.08%	0.29%	0.54%	Evans, A. A., G. Chen, et al. (2002). "Eight-year follow-up of the 90,000-person Haimen City cohort: I. Hepatocellular carcinoma mortality, risk factors, and gender differences." <i>Cancer Epidemiol Biomarkers Prev</i> 11(4): 369-76.	11927497	118
China	Lin, 1992	Taiwan	Taipei	Lin 1992, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (2,283)	females	2,283	11.9%	10.57%	13.23%	0.29%	0.04%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124
China	Marshall, 1992	Hong Kong		Marshall 1992, all students at University of Hong Kong were invited to participate in screening and vaccination female (2,119)	females	2,119	3.0%	2.25%	3.69%	0.29%	0.15%	Marshall, I. B. (1995). "Screening and vaccination for hepatitis B in Hong Kong University students." <i>J Am Coll Health</i> 44(2): 59-62.	7593994	57
China	Xia, 1992	145 sites in 30 provinces		Xia 1992, general population; community based using multistage cluster sampling; 145 disease-surveillance sites in 30 provinces; female (32,019)	females	32,019	8.2%	7.93%	8.53%	0.29%	0.86%	Guo-Liang Xia, a, Chong-Bai Liua, Hui-Lin Caoa, Sheng-Li Bia, Mei-Yun Zhana, Chong-Ao Sub, Jun-Hua Nanc and Xiao-Quy Q (1996) Prevalence of hepatitis B and C virus infections in the general Chinese population. Results from a nationwide cross-sectional seroepidemiologic study of hepatitis A, B, C, D, and E virus infections in China, 1992. <i>International Hepatology Communications</i> 5(1): 62-73	NPM	227

China	Zhuo, 1992	Guangxi Province		Zhuo 1992, general population; one-time survey of hepatitis was included in the National Disease Surveillance System Guangxi Province; female (1,024)	females	1,024	14.0%	11.87%	16.13%	0.28%	0.02%	Zhuo, J., G. Tao, et al. (2000). "The relationship of hepatitis B virus infection between adults and their children in Guangxi Province, China." <i>J Hepatol</i> 33(4): 628-31.	11059868	104
China	Euler, 1990-1993	migrants	4 urban areas (Hartford and New Haven Co CT; DeKalb and Fulton Co GA; Wayne Co MI; Dallas Co TX	Euler 1990-1993, Chinese immigrant pregnant women in 4 areas of US; multicenter, retrospective chart review (314)	females	314	10.4%	7.01%	13.77%	0.26%	0.01%	Euler GL, Wooten KG, Baughman AL, Williams WW. (2003) Hepatitis B surface antigen prevalence among pregnant women in urban areas: implications for testing, reporting, and preventing perinatal transmission. <i>Pediatrics</i> . 2003 May; 111(5 Part 2):1192-7	12728137	230
China	Hatch, 1993*	Taiwan	8 areas of Taiwan	Hatch 1993*, general population from 8 areas of Taiwan with a 2-fold range in prevalence of HBV carriers; randomly selected from population rosters; female (134)	females	134	18.7%	12.10%	25.30%	0.21%	0.00%	Hatch, M. C., C. J. Chen, et al. (1993). "Urinary aflatoxin levels, hepatitis-B virus infection and hepatocellular carcinoma in Taiwan." <i>Int J Cancer</i> 54(6): 931-4.	8392983	69
China	Lin, 1993	Taiwan	Taipei	Lin 1993, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (2,701)	females	2,701	11.3%	10.11%	12.49%	0.29%	0.05%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124
China	Lin, 1994	Taiwan	Taipei	Lin 1994, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (3,183)	females	3,183	10.1%	9.05%	11.15%	0.29%	0.07%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124
China	Chen, 1995	Taiwan	Matzu Taiwan?	Chen 1995, general population recruited from a two-stage survey to investigate risk factors for intestinal metaplasia Matzu; female (169)	females	135	22.2%	15.19%	29.21%	0.20%	0.00%	Chen, S. Y., C. J. Chen, et al. (2000). "Associations of plasma aflatoxin B1-albumin adduct level with plasma selenium level and genetic polymorphisms of glutathione S-transferase M1 and T1." <i>Nutr Cancer</i> 38(2): 179-85.	11525595	111
China	Cheng, 1995-1999	Hong Kong		Cheng 1995-1999, consecutive cohort of Chinese patients with type 2 diabetes routinely assessed for risk factors female (1,669)	females	1,669	8.5%	7.17%	9.85%	0.29%	0.04%	Cheng, A. Y., A. P. Kong, et al. (2006). "Chronic hepatitis B viral infection independently predicts renal outcome in type 2 diabetic patients." <i>Diabetologia</i> 49(8): 1777-84.	16736132	155
China	Lin, 1995	Taiwan	Taipei	Lin 1995, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (3,078)	females	3,078	12.2%	11.04%	13.36%	0.29%	0.06%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124
China	Litch, 1995-1997	Tibet	refugees from Tibet to India	Litch 1995, Tibetan refugees to India female; 158 upper endoscopy patients; 31 blood donors; 25 pregnant women (214)	females	90	15.6%	8.10%	23.10%	0.19%	0.00%	Litch, J. A., J. R. Shackleton, et al. (1998). "Prevalence of hepatitis B infection among Tibetan refugees in northern India." <i>Trop Doct</i> 28(4): 229-30.	9803847	91
China	Chen, 1996-2005	Taiwan		Chen 1996-2005, general population born before 1984; series of outreach community-based screening programs for liver diseases have been available to the general population since 1996; public invited by mail, radio, TV, and newspaper ads; females (84,600)	females	84,600	14.0%	13.77%	14.23%	0.29%	1.43%	Chen, C. H., P. M. Yang, et al. (2007). "Estimation of seroprevalence of hepatitis B virus and hepatitis C virus in Taiwan from a large-scale survey of free hepatitis screening participants." <i>J Formos Med Assoc</i> 106(2): 148-55.	17339159	163

China	Fang, 1996	Korean Autonomous Prefecture of China	Helong County of Yanbian	Fang 1996, Korean-Chinese in Yanbian area, Korean Autonomous Prefecture; no info on selection method, eligibility, or participation rate; female (262)	females	262	8.8%	5.37%	12.23%	0.26%	0.01%	Fang, J. N., C. J. Jin, et al. (2001). "A comparative study on serologic profiles of virus hepatitis B." <i>World J Gastroenterol</i> 7(1): 107-10.	11819743	116
China	Fang, 1996	Korean Autonomous Prefecture of China	Helong County of Yanbian	Fang 1996, Han-Chinese in Yanbian area; no info on selection method, eligibility, or participation rate; female (163)	females	163	7.4%	3.38%	11.42%	0.25%	0.00%	Fang, J. N., C. J. Jin, et al. (2001). "A comparative study on serologic profiles of virus hepatitis B." <i>World J Gastroenterol</i> 7(1): 107-10.	11819743	116
China	Kwan, 1996,	Hong Kong		Kwan 1996, pregnant women; all women who attended antenatal clinics at Maternal and Child Health Centres in Hong Kong (2,480)	females	2,480	10.0%	8.82%	11.18%	0.29%	0.06%	Kwan, L. C., Y. Y. Ho, et al. (1997). "The declining HBsAg carriage rate in pregnant women in Hong Kong." <i>Epidemiol Infect</i> 119(2): 281-3.	9363029	84
China	Lee, 1996-1997	Hong Kong		Lee 1996-1997, adolescents randomly selected from 12 randomly selected secondary schools in four regions of Hong Kong; female (894)	females	894	4.1%	2.80%	5.40%	0.29%	0.05%	Lee, A., F. F. Cheng, et al. (2001). "Sero-epidemiology and risk factors of positive hepatitis B surface antigen amongst Chinese adolescents." <i>Asia Pac J Public Health</i> 13(1): 30-5.	12109258	119
China	Lin, 1996	Taiwan	Taipei	Lin 1996, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (3,924)	females	3,924	10.1%	9.16%	11.04%	0.29%	0.09%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124
China	Lin, 1996-2005	Taiwan	Pingtong	Lin 1996-2005, pregnant women receiving routine antenatal care at Fooyin University Hospital Pingtung (1996-2005)	females	10,327	15.5%	14.80%	16.20%	0.29%	0.16%	Lin, C. C., H. S. Hsieh, et al. (2008). "Hepatitis B virus infection among pregnant women in Taiwan: comparison between women born in Taiwan and other southeast countries." <i>BMC Public Health</i> 8: 49.	18254978	185
China	Shimbo, 1996	Shandong province		Shimbo 1996, general urban population female, Shandong Province; urban group (50) was teaching staff at Shandong Medical Univeristy in Janin; rural group (50) was in a farming village (50)	females	50	10.0%	1.68%	18.32%	0.18%	0.00%	Shimbo, S., Z. W. Zhang, et al. (1997). "Urban-rural comparison of HBV and HCV infection prevalence among adult women in Shandong Province, China." <i>Southeast Asian J Trop Med Public Health</i> 28(3): 500-6.	9561599	87
China	Shimbo, 1996	Shandong province		Shimbo 1996, general rural population female, Shandong Province; urban group (50) was teaching staff at Shandong Medical Univeristy in Janin; rural group (50) was in a farming village (50)	females	50	6.0%	-0.58%	12.58%	0.21%	0.00%	Shimbo, S., Z. W. Zhang, et al. (1997). "Urban-rural comparison of HBV and HCV infection prevalence among adult women in Shandong Province, China." <i>Southeast Asian J Trop Med Public Health</i> 28(3): 500-6.	9561599	87
China	Wang, 1996	Taiwan	Massago southwest coastal area	Wang 1996, residents of Masago >20 yo; no info on sampling; females (270)	females	270	29.7%	24.25%	35.15%	0.23%	0.00%	Wang, J. H., S. N. Lu, et al. (1999). "A hyperendemic community of hepatitis B virus and hepatitis C virus infection in Taiwan." <i>Trans R Soc Trop Med Hyg</i> 93(3): 253-4.	10492752	100
China	Wang, 1996?-2004	Taiwan	A-Lein Township, Taiwan	Wang 1996?-2004, general population; population-based community-wide screening; A-Lein Township, Taiwan females (3,350)	females	3,350	12.1%	11.00%	13.20%	0.29%	0.06%	Wang, C. S., W. J. Yao, et al. (2009). "The impact of type 2 diabetes on the development of hepatocellular carcinoma in different viral hepatitis statuses." <i>Cancer Epidemiol Biomarkers Prev</i> 18(7): 2054-60.	19549812	197
China	Zhang, 1996	Jiangsu Province		Zhang 1996, newly enrolled university students Jiangsu Province; undergraduates studying for professional qualifications enrolling in Autumn 1996; university not named; females (1,198)	females	1,198	7.7%	6.17%	9.19%	0.29%	0.03%	Zhang, S. and Y. Chen (1998). "HBV serum marker detection and relative factor analysis of 2925 new students." <i>Public Health</i> 112(4): 257-9.	9724950	88

China	Lin, 1997	Taiwan	Taipei	Lin 1997, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (4,053)	females	4,053	12.2%	11.19%	13.21%	0.29%	0.08%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124
China	Qu, 1997-1999	six cities in eastern half of China	(Changchun (Jilin Province; Jinan (Shandong Province); Nanning (Guanxi Province); Xi'an (Shaanxi Province))	Qu 1997-1999, female urban population in six cities in eastern China; sera collected while subjects participated in nutritional surveys; females (295)	females	295	8.1%	5.01%	11.25%	0.27%	0.01%	Qu, J. B., Z. W. Zhang, et al. (2000). "Urban-rural comparison of HBV and HCV infection prevalence in eastern China." <i>Biomed Environ Sci</i> 13(4): 243-53.	11351857	109
China	Qu, 1997-1999	Jilin, Shandong, Shaanxi Provinces		Qu 1997-1999, female rural population in rural areas Jilin, Shandong, Shaanxi Provinces; ; sera collected while subjects participated in nutritional surveys; females (494)	females	494	8.0%	5.61%	10.39%	0.28%	0.01%	Qu, J. B., Z. W. Zhang, et al. (2000). "Urban-rural comparison of HBV and HCV infection prevalence in eastern China." <i>Biomed Environ Sci</i> 13(4): 243-53.	11351857	109
China	Shimbo, 1997	Shaanxi	city of Xian = Changan	Shimbo 1997, healthy urban women; city of Xian, Shaanxi Province; no info on selection, eligibility, or participation rate; females (1997)	females	50	2.0%	-1.88%	5.88%	0.26%	0.01%	Shimbo, S., Z. W. Zhang, et al. (1998). "Prevalence of hepatitis B and C infection markers among adult women in urban and rural areas in Shaanxi Province, China." <i>Southeast Asian J Trop Med Public Health</i> 29(2): 263-8.	9886109	95
China	Shimbo, 1997	Shaanxi Province	villages	Shimbo 1997, healthy women from farming villages; no info on selection, eligibility, or participation rate; Shaanxi Province (100)	females	100	8.1%	2.75%	13.45%	0.23%	0.00%	Shimbo, S., Z. W. Zhang, et al. (1998). "Prevalence of hepatitis B and C infection markers among adult women in urban and rural areas in Shaanxi Province, China." <i>Southeast Asian J Trop Med Public Health</i> 29(2): 263-8.	9886109	95
China	To, 1997-2000	Hong Kong	0	To 1997-2000, pregnant women; retrospective chart review of all deliveries >24 weeks in a regional obstetric unit (13,946)	females	13,946	9.7%	9.22%	10.20%	0.29%	0.32%	To, W. W., W. Cheung, et al. (2003). "Hepatitis B surface antigen carrier status and its correlation to gestational hypertension." <i>Aust N Z J Obstet Gynaecol</i> 43(2): 119-22.	14712966	140
China	Wang, 1997-1998	Taiwan	A-Lien Township, Taiwan	Wang 1997-1998, general population; everyone who came to the A-Lien Community Health Center was screened for HBV; female (1,106)	females	1,106	10.7%	8.88%	12.52%	0.28%	0.02%	Wang, C. S., S. T. Wang, et al. (2003). "Community-based study of hepatitis C virus infection and type 2 diabetes: an association affected by age and hepatitis severity status." <i>Am J Epidemiol</i> 158(12): 1154-60.	14652300	139
China	Lin, 1998	Taiwan	Taipei	Lin 1998, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (3,108)	females	3,108	11.7%	10.57%	12.83%	0.29%	0.06%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124
China	Suen, 1998	Hong Kong	0	Suen 1998, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (2,874)	females	2,874	10.1%	9.00%	11.20%	0.29%	0.06%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat</i> 17(5): 372-8.	19780946	208

China	Sun, 1998-2007	Hangzhou	Hangzhou	Sun 1998-2007, pregnant women whose infants were admitted to NICU, Hangzhou (8,1497)	females	8,149	3.9%	3.48%	4.32%	0.29%	0.44%	Sun, G., D. Tang, et al. (2009). "Increasing prevalence of hypospadias associated with various perinatal risk factors in chinese newborns." <i>Urology</i> 73(6): 1241-5.	19371929	195
China	Clift, 1999	Tibet	Tibet; villages of Shigatse Municipality, Shigatse Prefecture	Clift 1999, women of childbearing age; Tibet; villages of Shigatse Municipality, Shigatse Prefecture; selected using a modification of second stage of cluster sampling (80)	females	80	20.0%	11.23%	28.77%	0.17%	0.00%	Clift, A., C. Morgan, et al. (2004). "Alarming levels of hepatitis B virus detected among rural Tibetans." <i>Trop Doct</i> 34(3): 156-7.	15267045	141
China	Lin, 1999	Taiwan	Taipei	Lin 1999, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (3,413)	females	3,413	12.6%	11.49%	13.71%	0.29%	0.06%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124
China	Shen, 1999	Shanghai		Shen 1999, administrative officers; annual physical exams; Renji and Central Hospitals, Shanghai; female (1,426)	females	1,426	4.8%	3.69%	5.91%	0.29%	0.06%	Shen, L., J. G. Fan, et al. (2003). "Prevalence of nonalcoholic fatty liver among administrative officers in Shanghai: an epidemiological survey." <i>World J Gastroenterol</i> 9(5): 1106-10.	12717867	129
China	Suen, 1999	Hong Kong		Suen 1999, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (5,601)	females	5,601	10.0%	9.21%	10.79%	0.29%	0.13%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat</i> 17(5): 372-8.	19780946	208
China	Zhang, 1999	Jilin Province	Changchun area, Jilin Province (NE China)	Zhang 1999, urban population female, Changchun area, Jilin Province; non-smoking, non-drinking volunteers; staff of public health institution; exclude for blood transfusion (50)	females	50	9.0%	1.07%	16.93%	0.18%	0.00%	Zhang, Z. W., S. Shimbo, et al. (2000). "Hepatitis B and C virus infection among adult women in Jilin Province, China: an urban-rural comparison in prevalence of infection markers." <i>Southeast Asian J Trop Med Public Health</i> 31(3): 530-6.	11289015	108
China	Zhang, 1999	Jilin Province	Changchun area, Jilin Province (NE China)	Zhang 1999, rural population female, Changchun area, Jilin Province; farmers; non-smoking, non-drinking volunteers (50)	females	50	12.0%	2.99%	21.01%	0.16%	0.00%	Zhang, Z. W., S. Shimbo, et al. (2000). "Hepatitis B and C virus infection among adult women in Jilin Province, China: an urban-rural comparison in prevalence of infection markers." <i>Southeast Asian J Trop Med Public Health</i> 31(3): 530-6.	11289015	108
China	Chen, 2000-2001	Taiwan		Chen 2000-2001, female adolescent non-aboriginals; systematic sampling using class seat numbers (237)	females	237	5.9%	2.90%	8.90%	0.27%	0.01%	Chen, M. Y., K. James, et al. (2004). "Health issues of aboriginal female adolescents in Taiwan." <i>J Adv Nurs</i> 47(4): 401-7.	15271159	142
China	Chen, 2000-2003	Taiwan	central	Chen 2000-2003, university students at Chung Shan Medical University; presemester health checkup for all first-year students female (2,430)	females	2,430	5.4%	4.50%	6.30%	0.29%	0.10%	Chen, C. C., C. H. Yen, et al. (2007). "Epidemiology of hepatitis B virus infection among young adults in Taiwan, China after public vaccination program." <i>Chin Med J (Engl)</i> 120(13): 1155-8.	17637244	172
China	Lee, 2000-2005	Taiwan		Lee 2000-2005, morbidly obese females who had undergone bariatric surgery (481)	females	481	17.0%	13.64%	20.36%	0.26%	0.01%	Lee, W. J., W. Wang, et al. (2008). "Clinical characteristics and outcome of morbidly obese bariatric patients with concurrent hepatitis B viral infection." <i>Obes Surg</i> 18(5): 589-94.	18330660	186
China	Lin, 2000	Taiwan	Taipei	Lin 2000, pregnant women all parturient women at Natl Taiwan University Hosp Taipei (3,605)	females	3,605	12.0%	10.94%	13.06%	0.29%	0.07%	Lin, H. H., J. H. Kao, et al. (2003). "Secular trend of age-specific prevalence of hepatitis B surface and e antigenemia in pregnant women in Taiwan." <i>J Med Virol</i> 69(4): 466-70.	12601752	124

China	Lin, 2000-2001	Taiwan	Hualien	Lin 2000-2001, annual survey of >90% of freshman class; Hualien; females (1,021)	females	1,021	2.5%	1.50%	3.40%	0.29%	0.09%	Lin, H. H., L. Y. Wang, et al. (2003). "Decline of hepatitis B carrier rate in vaccinated and unvaccinated subjects: sixteen years after newborn vaccination program in Taiwan." J Med Virol 69(4): 471-4.	12601753	125
China	Lu, 2000-2007	Taiwan	central and northern	Lu 2000-2007, 15 yo entering junior college each year 2000-2007; successive birth cohorts entering public college in central Taiwan and private university in northern Taiwan; wide variety of students quite representative of adolescents females (1,589)	females	1,589	1.3%	0.74%	1.86%	0.29%	0.25%	Lu, J. J., C. C. Cheng, et al. (2009). "Hepatitis B immunity in adolescents and necessity for boost vaccination: 23 years after nationwide hepatitis B virus vaccination program in Taiwan." Vaccine 27(47): 6613-8.	19698812	205
China	Lu, 2000-2007	Taiwan	central and northern	Lu 2000-2007, 18 yo entering university each year 2000-2007, successive birth cohorts entering public college in central Taiwan and private university in northern Taiwan; wide variety of students quite representative of adolescents females (753)	females	753	5.2%	3.61%	6.79%	0.29%	0.03%	Lu, J. J., C. C. Cheng, et al. (2009). "Hepatitis B immunity in adolescents and necessity for boost vaccination: 23 years after nationwide hepatitis B virus vaccination program in Taiwan." Vaccine 27(47): 6613-8.	19698812	205
China	Shen, 2000	Taiwan		Shen 2000, general population; annual health assessment for all members of 4 private nationwide MJ Health Screening Centers; Shanghai females (41,045)	females	41,045	13.2%	12.87%	13.53%	0.29%	0.73%	Shen, Y. H., W. S. Yang, et al. (2005). "Bright liver and alanine aminotransferase are associated with metabolic syndrome in adults." Obes Res 13(7): 1238-45.	16076994	147
China	Su, 2000	Taiwan		Su 2000, university freshmen born 1976-1985; compulsory health screening exam at Fu-Jen Catholic University; females (16,519)	females	16,519	5.6%	5.25%	5.95%	0.29%	0.64%	Su, F. H., H. Y. Huang, et al. (2007). "Forecasting the declining rate of chronic hepatitis-B carrier status at a Taiwanese university: twenty years after implementation of an universal HBV vaccination program in Taiwan." Chang Gung Med J 30(6): 521-8.	18350735	187
China	Suen, 2000	Hong Kong		Suen 2000, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (5,892)	females	5,892	10.2%	9.43%	10.97%	0.29%	0.13%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." J Viral Hepat 17(5): 372-8.	19780946	208
China	Tsay, 2000-2004	Taiwan	Taipei	Tsay 2000-2004, general population; persons who received a paid general checkup in Chang Gung Memorial Hospital, Taipei; female (20,512)	females	20,512	13.2%	12.74%	13.66%	0.29%	0.36%	Tsay, P. K., D. I. Tai, et al. (2009). "Impact of gender, viral transmission and aging in the prevalence of hepatitis B surface antigen." Chang Gung Med J 32(2): 155-64.	19403005	199
China	Zhang, 2000	Henan Province	Linxian, a rural community	Zhang 2000, general population; volunteers from adults 40-69 yrs from 4 Linxian communes, Henan Province; Linxian Nutritional Intervention Trial; female (300)	females	300	7.3%	4.36%	10.24%	0.27%	0.01%	Zhang, M., X. D. Sun, et al. (2005). "Hepatitis C virus infection, Linxian, China." Emerg Infect Dis 11(1): 17-21.	15705317	145
China	Chao, 2001	migrants to SF Bay area		Chao 2001, immigrants from China to San Francisco; free screening program and educational seminars; recruited via public service ads in two Chinese-language newspapers; female (241)	females	241	7.0%	3.78%	10.22%	0.27%	0.01%	Chao, S. D., E. T. Chang, et al. (2009). "The Jade Ribbon Campaign: a model program for community outreach and education to prevent liver cancer in Asian Americans." J Immigr Minor Health 11(4): 281-90.	17990118	180
China	Huang, 2001-2002	Taiwan	remote areas; Hualien and Hsinchu	Huang 2001-2002, vaccinated school children in remote areas; Hualien and Hsinchu; all children from 15 kindergartens, 28 elementary schools, 2 junior highs were solicited; 88%; female (1,233)	females	1,233	2.9%	1.96%	3.84%	0.29%	0.09%	Huang, M. L., W. L. Liao, et al. (2007). "HBV serological markers of vaccinated children in remote areas of Taiwan: emphasis on factors contributing to vaccine failure." Vaccine 25(34): 6326-33.	17629600	171

China	Suen, 2001	Hong Kong		Suen 2001, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (5,463)	females	5,463	10.1%	9.30%	10.90%	0.29%	0.12%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat</i> 17(5): 372-8.	19780946	208
China	Zhao, 2001*	Tibet	villages in the east and west	Zhao 2001*, residents of four isolated villages in the east and west regions; ; no info on sampling, eligibility, or participation rate; females (102)	females	102	20.6%	12.75%	28.45%	0.18%	0.00%	Zhao, S. M., H. C. Li, et al. (2001). "High Prevalence of HBV in Tibet, China." <i>Asian Pac J Cancer Prev</i> 2(4): 299-304.	12718622	130
China	Lao, 2002*	Hong Kong		Lao 2002*, pregnant women; retrospective cohort study of consecutive women attending antenatal clinic at government hospital (767)	females	767	9.1%	7.09%	11.17%	0.28%	0.02%	Lao, T. T., K. Y. Tse, et al. (2003). "HBsAg carrier status and the association between gestational diabetes with increased serum ferritin concentration in Chinese women." <i>Diabetes Care</i> 26(11): 3011-6.	14578232	137
China	Suen, 2002	Hong Kong		Suen 2002, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (5,544)	females	5,544	10.2%	9.40%	11.00%	0.29%	0.12%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat</i> 17(5): 372-8.	19780946	208
China	Wang, 2002-2004	Taiwan	Hualien County (one of poorest areas)	Wang 2002-2004, high school students born before universal vaccination program Hualien County; efficacy of universal hepatitis B vaccination program (UHBVP) in socio-economically disadvantaged area; females (185)	females	185	10.3%	5.92%	14.68%	0.25%	0.00%	Wang, L. Y., C. T. Hu, et al. (2006). "Geographic and ethnic variations of long-term efficacy and immunogenicity of hepatitis B vaccination in Hualien, a HBV hyperendemic area." <i>Vaccine</i> 24(20): 4427-32.	16574284	150
China	Wang, 2002-2004	Taiwan	Hualien County (one of poorest areas)	Wang 2002-2004, high school students born after universal vaccination program Hualien County; efficacy of universal hepatitis B vaccination program (UHBVP) in socio-economically disadvantaged area; females (1,370)	females	1,370	2.0%	1.26%	2.74%	0.29%	0.14%	Wang, L. Y., C. T. Hu, et al. (2006). "Geographic and ethnic variations of long-term efficacy and immunogenicity of hepatitis B vaccination in Hualien, a HBV hyperendemic area." <i>Vaccine</i> 24(20): 4427-32.	16574284	150
China	Yang, 2002-2003	Taiwan	Taipei	Yang 2002-2003, healthy adults, employees of two companies undergoing annual physical exam; Taipei females (123)	females	123	19.5%	12.50%	26.50%	0.20%	0.00%	Yang, K. C., M. F. Chen, et al. (2007). "Hepatitis B virus seropositivity is not associated with increased risk of carotid atherosclerosis in Taiwanese." <i>Atherosclerosis</i> 195(2): 392-7.	17134707	157
China	Zhang, 2002-2004	Jiangsu		Zhang 2002-2004, urban pregnant women; routine antenatal testing, 6 cities and 8 counties in Jiangsu province (1,984)	females	1,984	5.8%	4.73%	6.77%	0.29%	0.07%	Zhang, S., R. T. Li, et al. "Seroprevalence of hepatitis B surface antigen among pregnant women in Jiangsu, China, 17 years after introduction of hepatitis B vaccine." <i>Int J Gynaecol Obstet</i> 109(3): 194-7.	20152977	218
China	Zhang, 2002-2004	Jiangsu		Zhang 2002-2004, rural pregnant women; routine antenatal testing, 6 cities and 8 counties in Jaingsu province (1,984)	females	4,414	7.1%	6.34%	7.86%	0.29%	0.14%	Zhang, S., R. T. Li, et al. "Seroprevalence of hepatitis B surface antigen among pregnant women in Jiangsu, China, 17 years after introduction of hepatitis B vaccine." <i>Int J Gynaecol Obstet</i> 109(3): 194-7.	20152977	218
China	Luo, 2003-2004	Zhejiang Province	Hangzhou	Luo 2003-2004, general population; attending general health examination at university hospital, Hangzhou, Zhejiang Province; female (2,539)	females	2,539	8.2%	7.13%	9.27%	0.29%	0.07%	Luo, B., Y. Wang, et al. (2007). "Association of metabolic syndrome and hepatitis B infection in a Chinese population." <i>Clin Chim Acta</i> 380(1-2): 238-40.	17316590	162
China	Suen, 2003	Hong Kong		Suen 2003, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (4,849)	females	4,849	9.7%	8.87%	10.53%	0.29%	0.11%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat</i> 17(5): 372-8.	19780946	208

China	Zhao, 2003-2006	Guangzhou southern		Zhao 2003-2006, retrospective study of serological tested performed at Sun Yat-sen University Hospital as part of annual health examinations from communities and companies, Guangzhou; females (35,450)	females	35,450	8.2%	7.94%	8.52%	0.29%	0.95%	Zhao, J., M. Qiu, et al. (2009). "Low prevalence of hepatitis B virus infection in patients with systemic lupus erythematosus in southern China." <i>Rheumatol Int.</i>	19826817	209
China	Lee, 2004	Taiwan	Kaohsiung	Lee 2004, adults in agricultural county in southern Taiwan; community study of participants in Taiwan National Health Insurance program; Kaohsiung females (37,798)	females	37,798	10.2%	9.89%	10.51%	0.29%	0.84%	Lee, J. J., M. Y. Lin, et al. "Association of Hepatitis C and B Virus Infection With CKD in an Endemic Area in Taiwan: A Cross-sectional Study." <i>Am J Kidney Dis.</i>	20400217	220
China	Liu, 2004-2006	Mainland China	migrants to Taiwan from Mainland China	Liu 2004-2006, pregnant women from Mainland China living in Taiwan; review of all women giving birth in Hsin-Chu Taiwan (616)	females	616	11.0%	8.53%	13.47%	0.28%	0.01%	Liu, C. Y., N. T. Chang, et al. (2007). "Seroprevalence of HBV in immigrant pregnant women and coverage of HBIG vaccine for neonates born to chronically infected immigrant mothers in Hsin-Chu County, Taiwan." <i>Vaccine 25(44): 7706-10.</i>	17767981	177
China	Liu, 2004-2006	Taiwan	Hsin-hu county	Liu 2004-2006, immigrant pregnant women non-Aboriginal Taiwanese; review of all women giving birth in Hsin-Chu Taiwan (13,368)	females	13,368	11.5%	10.96%	12.04%	0.29%	0.27%	Liu, C. Y., N. T. Chang, et al. (2007). "Seroprevalence of HBV in immigrant pregnant women and coverage of HBIG vaccine for neonates born to chronically infected immigrant mothers in Hsin-Chu County, Taiwan." <i>Vaccine 25(44): 7706-10.</i>	17767981	177
China	Suen, 2004	Hong Kong		Suen 2004, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (5,399)	females	5,399	10.3%	9.49%	11.11%	0.29%	0.12%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat 17(5): 372-8.</i>	19780946	208
China	Su, 2005	Taiwan	Yuan Ze University, Taoyuan (north)	Su 2005, university students born before 6/1984; 97% of students entering Yuan Ze University in 2005, Taoyuan; females (258)	females	258	4.3%	1.80%	6.72%	0.28%	0.01%	Su, F. H., J. D. Chen, et al. (2007). "Seroprevalence of Hepatitis-B infection amongst Taiwanese university students 18 years following the commencement of a national Hepatitis-B vaccination program." <i>J Med Virol 79(2): 138-43.</i>	17177303	158
China	Su, 2005	Taiwan	Yuan Ze University, Taoyuan (north)	Su 2005, university students born after 6/1986; 97% of students entering Yuan Ze University in 2005, Taoyuan; females (500)	females	500	1.8%	0.63%	2.97%	0.29%	0.06%	Su, F. H., J. D. Chen, et al. (2007). "Seroprevalence of Hepatitis-B infection amongst Taiwanese university students 18 years following the commencement of a national Hepatitis-B vaccination program." <i>J Med Virol 79(2): 138-43.</i>	17177303	158
China	Suen, 2005,	Hong Kong		Suen 2005, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (6,202)	females	6,202	10.4%	9.64%	11.16%	0.29%	0.14%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat 17(5): 372-8.</i>	19780946	208
China	Cotler, 2006-2007	migrants to Chicago		Cotler 2006-2007, Chinese immigrants in Chicago; retrospective review of records of pts presenting for general med care to an urban Chinatown medicine practice; females (1,927)	females	1,927	10.3%	8.94%	11.66%	0.29%	0.04%	Cotler, S. J., M. K. Dhamija, et al. (2009). "Hepatitis B seroprevalence and disease characteristics in an urban Chinatown community." <i>Clin Gastroenterol Hepatol 7(7): 776-80.</i>	19344787	178
China	Liang, 2006	31 provinces		Liang 2006; national hepatitis survey; persons "living in 160 disease surveillance points in 31 provinces selected by Chinese CDC to be representative of the population of China; 50% of sample <15 yo; females (42,880)	females	42,880	5.7%	5.48%	5.92%	0.29%	1.62%	Liang, X., S. Bi, et al. (2009). "Epidemiological serosurvey of hepatitis B in China—declining HBV prevalence due to hepatitis B vaccination." <i>Vaccine 27(47): 6550-7.</i>	19729084	206

China	Suen, 2006	Hong Kong		Suen 2006, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (6,792)	females	6,792	9.6%	8.90%	10.30%	0.29%	0.16%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat</i> 17(5): 372-8.	19780946	208
China	Tsai, 2006-2007	Taiwan	Taichung; 3rd largest city	Tsai 2006-2007, healthy non-obese adults in Taichung, the 3rd largest city females (651)	females	651	10.6%	8.24%	12.96%	0.28%	0.01%	Tsai, C. H. (2009). "Metabolic syndrome in non-obese Taiwanese: new definition of metabolically obese, normal-weight individual." <i>Chin Med J (Engl)</i> 122(21): 2534-9.	19951566	212
China	Lam, 2007-2008	Hong Kong		Lam 2007-2008, women undergoing IVF; retrospective cohort study of couples undergoing IVF (287)	females	287	10.1%	6.61%	13.59%	0.26%	0.01%	Lam, P. M., S. H. Suen, et al. "Hepatitis B infection and outcomes of in vitro fertilization and embryo transfer treatment." <i>Fertil Steril</i> 93(2): 480-5.	19324342	198
China	Siu, 2007*	Hong Kong		Siu 2007*, women with CIN; recruited from OBGYN clinic; "pts with known hepatitis B status were excluded; Hong Kong (242)	females	242	24.1%	18.71%	29.49%	0.23%	0.00%	Siu, S. S., T. H. Cheung, et al. (2007). "Patients with malignant or pre-malignant cervical lesion have increased risk of becoming hepatitis B carrier." <i>J Exp Clin Cancer Res</i> 26(1): 77-81.	17550135	170
China	Siu, 2007*	Hong Kong		Siu 2007*, women without CIN; recruited from OBGYN clinic; pts with known hepatitis B status were excluded; Hong Kong (311)	females	311	10.6%	7.18%	14.02%	0.26%	0.01%	Siu, S. S., T. H. Cheung, et al. (2007). "Patients with malignant or pre-malignant cervical lesion have increased risk of becoming hepatitis B carrier." <i>J Exp Clin Cancer Res</i> 26(1): 77-81.	17550135	170
China	Suen, 2007	Hong Kong		Suen 2007, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (5,969)	females	5,969	9.8%	9.05%	10.55%	0.29%	0.14%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat</i> 17(5): 372-8.	19780946	208
China	Suen, 2008	Hong Kong		Suen 2008, pregnant women Hong Kong; retrospective study of consecutive pregnant women delivered from July 1998 to June 2008; public maternity unit of a tertiary referral hospital (2,987)	females	2,987	10.4%	9.31%	11.49%	0.29%	0.07%	Suen, S. S., T. T. Lao, et al. "Implications of the relationship between maternal age and parity with hepatitis B carrier status in a high endemicity area." <i>J Viral Hepat</i> 17(5): 372-8.	19780946	208
China	Wang, 2008*	Taiwan	Taipei	Wang 2008*, general population; HCV-negative patients attending a health examination center, Taipei, females (264)	females	264	7.6%	4.39%	10.77%	0.27%	0.01%	Wang, C. C., C. S. Hsu, et al. (2008). "Association of chronic hepatitis B virus infection with insulin resistance and hepatic steatosis." <i>J Gastroenterol Hepatol</i> 23(5): 779-82.	18028349	181
China	Lu, 2009*	Zhejiang Province	Huzhou, Zhejiang	Lu 2009*, pregnant women Huzhou, Zhejiang; no selection in abstract (1,262)	females	1,262	2.6%	1.73%	3.49%	0.29%	0.10%	Lu, H. F., W. J. Jin, et al. (2009). "[Pregnant women hepatitis B markers investigation and analysis of intrauterine infection]." <i>Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi</i> 23(3): 235-7.	20104789	217
China	Lam, 1977-1980	Hong Kong		Lam 1977-1980, controls for primary hepatic cancer; admitted to orthopedic ward for trauma; no further info (107)	both	107	18.0%	10.72%	25.28%	0.19%	0.00%	Lam, K. C., J. C. Ho, et al. (1982). "Spontaneous regression of hepatocellular carcinoma: a case study." <i>Cancer</i> 50(2): 332-6.	6282440	47
China	Lu, 1997	Taiwan	Tzukung Township southern Taiwan	Lu 1997, general population age >45 yrs; Tzukung Township southern Taiwan (2,909)	both	2,909	12.6%	11.39%	13.81%	0.29%	0.05%	Lu, S. N., T. M. Chen, et al. (2003). "Molecular epidemiological and clinical aspects of hepatitis D virus in a unique triple hepatitis viruses (B, C, D) endemic community in Taiwan." <i>J Med Virol</i> 70(1): 74-80.	12629646	126

China	Lu, 1978-1979	Taiwan	Taipei	Lu 1978-1979, restaurant workers, Taipei; no selection in abstract (2,006)	both	2,006	19.3%	17.57%	21.03%	0.29%	0.03%	Lu, C. F., S. Y. Lin, et al. (1980). "[Prevalence of hepatitis virus infections in restaurant workers in Taipei (author's transl)]." <i>Zhonghua Min Guo Wei Sheng Wu Ji Mian Yi Xue Za Zhi</i> 13(2): 167-73.	6256133	46
China	Qu, 1979	29 provinces	29 provinces	Qu 1979, general population sampled from 209 counties and cities in 29 provinces, municipalities, and autonomous regions (277,186)	both	277,186	8.8%	8.69%	8.91%	0.29%	7.03%	Qu ZY (1986) An epidemiological study on the distribution of HBsAg and anti-HBs in China. <i>Chinese J Virol</i> 6: S20-40	NPM	224
China	Chien, 1980*	Taiwan	Taipei	Chien 1980*, controls for HCC patients; pts seen at the outpatient clinic Tawian Veterans General Hospital for annual physical exam, Taipei (100)	both	100	12.0%	5.63%	18.37%	0.21%	0.00%	Chien, M. C., M. J. Tong, et al. (1981). "Hepatitis B viral markers in patients with primary hepatocellular carcinoma in Taiwan." <i>J Natl Cancer Inst</i> 66(3): 475-9.	6162990	45
China	Hu, 1980	urban Shanghai and rural counties Baoshang		Hu 1980, general population; schools and factories in urban district of Shanghai and rural counties, Baoshang; population groups "were not strictly randomized"; "schools and factories selected to represent the respective populations as far as possible." (365)	both	365	6.9%	4.30%	9.50%	0.28%	0.01%	Hu, M. D., D. Schenzle, et al. (1984). "Epidemiology of hepatitis A and B in the Shanghai area: prevalence of serum markers." <i>Am J Epidemiol</i> 120(3): 404-13.	6089547	43
China	Lam, 1980*	Hong Kong		Lam 1980*, children ≤ 10 yrs trauma patients at Orthopaedic and Paediatric Unit of Queen Mary Hospital; no clinical evidence of liver disease, previous history of transfusion with blood or blood products and no major surgery in the past (450)	both	450	6.7%	4.39%	9.01%	0.28%	0.01%	Lam, K. C., P. Yuen, et al. (1980). "HBV markers in Chinese in Hong Kong." <i>Ann Acad Med Singapore</i> 9(2): 149-51.	7425525	51
China	Yeh, 1982	Guangxi		Yeh 1982, controls for HCC patients; from subsequent clinic attendees whose present illness was not hepatitis or liver disease; Guanxi (50)	both	50	22.0%	10.52%	33.48%	0.13%	0.00%	Yeh, F. S., C. C. Mo, et al. (1985). "A serological case-control study of primary hepatocellular carcinoma in Guangxi, China." <i>Cancer Res</i> 45(2): 872-3.	2981615	30
China	Campbell, 1983	nationwide; 65 counties	65 counties	Campbell 1983, general population; multistage sampling; 65 counties; study to encompass the full nationwide range of mortality rates for 7 common cancers (6,500)	both	6,500	15.5%	14.62%	16.38%	0.29%	0.10%	Campbell, T. C., J. S. Chen, et al. (1990). "Nonassociation of aflatoxin with primary liver cancer in a cross-sectional ecological survey in the People's Republic of China." <i>Cancer Res</i> 50(21): 6882-93.	2208157	19
China	Song, 1983-1985	migrants to South Africa	migrants to South Africa	Song 1983-1985, immigrants from Guangdong to South Africa; recruited via Chinese newspaper (210)	both	210	10.5%	6.35%	14.65%	0.25%	0.00%	Song, E., M. C. Kew, et al. (1988). "Epidemiology of hepatitis B virus infection in South African Chinese." <i>Am J Epidemiol</i> 128(4): 828-38.	3421246	36
China	Hsu, 1984,	Taiwan	Chung-Cheng district, Taipei City	Hsu 1984, children and adolescents before vaccination program Cung-Cheng district Taipei City (1,200)	both	1,200	10.0%	8.30%	11.70%	0.29%	0.03%	Hsu, H. Y., M. H. Chang, et al. (1986). "Baseline seroepidemiology of hepatitis B virus infection in children in Taipei, 1984: a study just before mass hepatitis B vaccination program in Taiwan." <i>J Med Virol</i> 18(4): 301-7.	2940332	29
China	Kao, 1999-2000	Taiwan	Taishi Township, central southern west coast	Kao 1999-2000, teens born 1984-1986, Taishi township (440)	both	440	11.4%	8.43%	14.37%	0.27%	0.01%	Kao, J. T., J. H. Wang, et al. (2008). "Changing aetiology of liver dysfunction in the new generation of a hepatitis B and C-endemic area: cross-sectional studies on adolescents born in the first 10 years after universal hepatitis B vaccination." <i>Liver Int</i> 28(9): 1298-304.	18662273	191
China	Roggendorf, 1984-1986	Hubei Province	Wuhan area	Roggendorf 1984-1986, general population; samples taken for a nutritional study; no info on sampling, eligibility, or participations rate (698)	both	698	22.4%	19.31%	25.49%	0.27%	0.01%	Roggendorf, M., K. Mai, et al. (1987). "Prevalence of hepatitis delta virus infection in different provinces of China." <i>Prog Clin Biol Res</i> 234: 487-91.	3628420	39

China	Zhu, 1984-2000	Beijing		Zhu 1984-2000, children with HAV; retrospective analysis of children <14 yo treated for HAV (1,629)	both	1,629	8.8%	7.42%	10.18%	0.29%	0.04%	Zhu, S. S., H. F. Zhang, et al. (2003). "[Clinical features of hepatitis A in 1,629 children]." <i>Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi</i> 17(1): 91-3.	12870030	133
China	Chung, 1985	Taiwan	southern	Chung 1985, five ethnic groups; subjects from Taiwanese, Hakka, Mainland Chinese, aboriginal Paiwanese, and aboriginal Rukaiese; 30 individuals from each of 8 age groups 5-69 yrs; no selection described (1,200)	both	1,200	17.6%	15.45%	19.75%	0.28%	0.02%	Chung, D. C., Y. C. Ko, et al. (1988). "Seroepidemiological studies on hepatitis B and D viruses infection among five ethnic groups in southern Taiwan." <i>J Med Virol</i> 26(4): 411-8.	3209993	33
China	Li, 1985	Guangxi	Longan County	Li 1985, unvaccinated children; mostly Zhuang minorities; cross-sectional survey on HBV infection of children (3,645)	both	3,645	14.0%	12.87%	15.13%	0.29%	0.06%	Li, H., R. C. Li, et al. (1999). "Long-term effectiveness of infancy low-dose hepatitis B vaccine immunization in Zhuang minority area in China." <i>World J Gastroenterol</i> 5(2): 122-124.	11819408	115
China	Lin, 1985-1986	Taiwan		Lin 1985-1986, hospital patients controls for HCC; selected from the orthopedic (>80% with fractures) and ophthalmic (>85% cataracts or glaucoma) wards of the Chang-Gung Memorial Hospital and Kaohsiung Medical College Hospital (302)	both	302	18.9%	14.48%	23.32%	0.25%	0.00%	Lin, T. M., C. J. Chen, et al. (1991). "Hepatitis B virus e antigen and primary hepatocellular carcinoma." <i>Anticancer Res</i> 11(6): 2063-5.	1663719	7
China	Lu, 1985	Taiwan	Taipei	Lu 1985, control patients for HCC patients; age and sex-matched controls for HCC patients; hospitalized with non-hepatic dz; selected from orthopedic and ophthalmic wards of CGMH and KMCH (207)	both	207	21.0%	15.45%	26.55%	0.23%	0.00%	Lu, S. N., T. M. Lin, et al. (1988). "A case-control study of primary hepatocellular carcinoma in Taiwan." <i>Cancer</i> 62(9): 2051-5.	2844388	27
China	Hu, 1986	Guangxi Province		Hu 1986, residents of Guangxi; national survey; five provinces in this paper; no selection in abstract (1979-1980)	both	495	15.4%	12.22%	18.58%	0.27%	0.01%	Hu ZH, Qu ZY, Jing Q, Ding ZR, Bai ZY, Cao LZ, et al (1986) The overall infection rate of HBV in Chinese general population by sampling investigation. <i>Chin J Microbiol Immunol (Chin)</i> 6 Suppl: 72-79	NPM	225
China	Hu, 1986	Heilongjiang Province		Hu 1986, residents of Heilongjiang national survey; five provinces in this paper (1979-1980)	both	1,140	8.1%	6.52%	9.68%	0.29%	0.03%	Hu ZH, Qu ZY, Jing Q, Ding ZR, Bai ZY, Cao LZ, et al (1986) The overall infection rate of HBV in Chinese general population by sampling investigation. <i>Chin J Microbiol Immunol (Chin)</i> 6 Suppl: 72-79	NPM	225
China	Hu, 1986	Henan Province		Hu 1986, residents of Henan; national survey; five provinces in this paper; no selection described (1979-1980)	both	496	10.9%	8.16%	13.64%	0.27%	0.01%	Hu ZH, Qu ZY, Jing Q, Ding ZR, Bai ZY, Cao LZ, et al (1986) The overall infection rate of HBV in Chinese general population by sampling investigation. <i>Chin J Microbiol Immunol (Chin)</i> 6 Suppl: 72-79	NPM	225
China	Hu, 1986	Jiangxi, Province	0	Hu 1986, residents of Jiangxi; national survey; five provinces in this paper; no selection in abstract (1979-1980)	both	320	14.4%	10.55%	18.25%	0.26%	0.01%	Hu ZH, Qu ZY, Jing Q, Ding ZR, Bai ZY, Cao LZ, et al (1986) The overall infection rate of HBV in Chinese general population by sampling investigation. <i>Chin J Microbiol Immunol (Chin)</i> 6 Suppl: 72-79	NPM	225
China	Hu, 1986	Shanxi Province	0	Hu 1986, residents of Shanxi; national survey; five provinces in this paper; no selection in abstract (1979-1980)	both	524	7.4%	5.19%	9.69%	0.28%	0.02%	Hu ZH, Qu ZY, Jing Q, Ding ZR, Bai ZY, Cao LZ, et al (1986) The overall infection rate of HBV in Chinese general population by sampling investigation. <i>Chin J Microbiol Immunol (Chin)</i> 6 Suppl: 72-79	NPM	225

China	Luo, 1986	Hainan Province		Luo 1986, rural population, remote mountain areas, Hainan province; >90% of population of these villages south China (1,995)	both	1,995	11.6%	10.19%	13.01%	0.29%	0.04%	Luo, K. X., R. Zhou, et al. (1991). "Hepatitis B virus DNA in sera of virus carriers positive exclusively for antibodies to the hepatitis B core antigen." <i>J Med Virol</i> 35(1): 55-9.	1940884	14
China	She, 1986	Hubei Province	Huangshi City	She 1986, department store employees; no info of sampling, eligibility, or participation rate (316)	both	316	9.2%	6.01%	12.39%	0.27%	0.01%	She, S. L., L. Y. Shi, et al. (1988). "A seroepidemiologic study of hepatitis B virus infection among barbers in Huangshi City, Hubei, China." <i>Microbiol Immunol</i> 32(2): 229-33.	3374409	35
China	Wang, 1986	Taiwan	Taiwan	Wang 1986, synthetic leather workers, all 204 workers at factory were invited; 76% (183) took par (183)	both	183	24.1%	17.90%	30.30%	0.21%	0.00%	Wang, J. D., M. Y. Lai, et al. (1991). "Dimethylformamide-induced liver damage among synthetic leather workers." <i>Arch Environ Health</i> 46(3): 161-6.	2039271	17
China	Yao, 1986	Guangzhou Province	0	Yao 1986, residents of Guangzhou Province; no selection available; no selection described in the review that presented these data; original article not available (3,576)	both	3,576	15.0%	13.83%	16.17%	0.29%	0.06%	Yao JL, Zhang XC, Lu WL (1988) Reasonable selection of vaccinees in hepatitis vaccination programme. <i>Acad J Sun Yat-Sen University of Medical Sciences</i> 9:54-58	NPM	232
China	Yu, 1986-1987	Taiwan	Taipei, Taiwan	Yu 1986-1987, controls for HCC; healthy community residents selected from household registration offices (127)	both	127	16.5%	10.04%	22.96%	0.21%	0.00%	Yu, M. W., S. L. You, et al. (1991). "Association between hepatitis C virus antibodies and hepatocellular carcinoma in Taiwan." <i>Cancer Res</i> 51(20): 5621-5.	1655259	6
China	Seiji, 1987	Jinxi	Jinxi (border between Jiangsu Province and Shanghai)	Seiji 1987, apparently healthy workers in large factories, Jinxi (border between Jiangsu Province and Shanghai) (66)	both	66	7.6%	1.19%	13.97%	0.21%	0.00%	Seiji, K., O. Inoue, et al. (1991). "Prevalence of hepatitis B virus infection markers among factory workers in Beijing, China." <i>Asia Pac J Public Health</i> 5(4): 345-9.	1844225	10
China	Chiu, 1988	Taiwan	Keelung	Chiu 1988, elementary and junior high school children, Keelung; large scale seroepidemiologic study; selection not described (20,816)	both	20,816	19.0%	18.47%	19.53%	0.29%	0.28%	Chiu, C. H., C. S. Chang, et al. (1991). "[Changing seroepidemiology pattern of hepatitis B virus infection among elementary and junior high school children in Keelung, Taiwan, 1988]." <i>J Formos Med Assoc</i> 90(3): 279-87.	1677404	8
China	Hsueh, 1988-1989	Taiwan	Homei, Fuhsin, Hsinming of Putai Township	Hsueh 1988-1989, residents in Taiwanese villages in which chronic arseniasis is hyperendemic; recruited from population registry (1,081)	both	1,081	26.2%	23.58%	28.82%	0.27%	0.01%	Hsueh, Y. M., G. S. Cheng, et al. (1995). "Multiple risk factors associated with arsenic-induced skin cancer: effects of chronic liver disease and malnutritional status." <i>Br J Cancer</i> 71(1): 109-14.	7819025	59
China	Peng, 1988*	Taiwan	0	Peng 1988*, employees of the Taiwan Nuclear Power station; routine exams (198)	both	205	15.6%	10.63%	20.57%	0.24%	0.00%	Peng, H. W., T. S. Su, et al. (1988). "Assessment of HBV persistent infection in an adult population in Taiwan." <i>J Med Virol</i> 24(4): 405-12.	3367138	34
China	Yao, 1988	Guangzhou Province	0	Yao 1988, residents of Guangzhou Province; no selection available; no selection described in the review that presented these data; original article not available (7,192)	both	7,192	14.5%	13.69%	15.31%	0.29%	0.12%	Yao JL, Zhang XC, Lu WL (1988) Reasonable selection of vaccinees in hepatitis vaccination programme. <i>Acad J Sun Yat-Sen University of Medical Sciences</i> 9:54-58	NPM	232
China	Du, 1989-1995	Taiwan	0	Du 1989-1995, vinyl chloride workers; current and former workers from 4 polyvinyl chloride (PVC) manufacturing factories (2,224)	both	2,224	19.3%	17.66%	20.94%	0.29%	0.03%	Du, C. L. and J. D. Wang (1998). "Increased morbidity odds ratio of primary liver cancer and cirrhosis of the liver among vinyl chloride monomer workers." <i>Occup Environ Med</i> 55(8): 528-32.	9849539	93

China	Du, 1989-1995	Taiwan	0	Du 1989-1995, motorcycle factory workers; controls for PVC workers; no selection (698)	both	698	16.9%	14.12%	19.68%	0.27%	0.01%	Du, C. L. and J. D. Wang (1998). "Increased morbidity odds ratio of primary liver cancer and cirrhosis of the liver among vinyl chloride monomer workers." <i>Occup Environ Med</i> 55(8): 528-32.	9849539	93
China	Du, 1989-1995	Taiwan	0	Du 1989-1995, optical equipment manufacturing workers; current and former workers from 4 polyvinyl chloride (PVC) manufacturing factories; no selection described (238)	both	238	14.3%	9.85%	18.75%	0.25%	0.00%	Du, C. L. and J. D. Wang (1998). "Increased morbidity odds ratio of primary liver cancer and cirrhosis of the liver among vinyl chloride monomer workers." <i>Occup Environ Med</i> 55(8): 528-32.	9849539	93
China	Hsu, 1989	Taiwan	Taiwan, all regions	Hsu 1989, 6 yo school children born 1982-1983 before vaccination program; proportional random sampling throughout country (1,500)	both	1,500	10.5%	8.95%	12.05%	0.29%	0.03%	Hsu, H. M., C. F. Lu, et al. (1999). "Seroepidemiologic survey for hepatitis B virus infection in Taiwan: the effect of hepatitis B mass immunization." <i>J Infect Dis</i> 179(2): 367-70.	9878020	94
China	Lin, 1989*	Taiwan	Lo-Chi, rural area in south	Lin 1989*, monozygotic and dizygotic twins; names and addresses of all same-sex twins were collected from schools, Taipei (782)	both	782	19.6%	16.82%	22.38%	0.27%	0.01%	Lin, T. M., C. J. Chen, et al. (1989). "Hepatitis B virus markers in Chinese twins." <i>Anticancer Res</i> 9(3): 737-41.	2764519	26
China	Lin, 1989*	Taiwan	Lo-Chi, rural area in south	Lin 1989*, singleton controls for twins selected from schools in Taipei City; no eligibility or participation rate (750)	both	750	20.8%	17.90%	23.70%	0.27%	0.01%	Lin, T. M., C. J. Chen, et al. (1989). "Hepatitis B virus markers in Chinese twins." <i>Anticancer Res</i> 9(3): 737-41.	2764519	26
China	Lu, 1989	Taiwan	Haumei, Hsinmin, and Fushin villages of Chiayi County, southwest Taiwan	Lu 1989, general population; health survey carried out in villages of SW coast; 43% participation (874)	both	874	26.1%	23.19%	29.01%	0.27%	0.01%	Lu, S. N., W. Y. Chang, et al. (1990). "Risk factors for gallstones among Chinese in Taiwan. A community sonographic survey." <i>J Clin Gastroenterol</i> 12(5): 542-6.	2229997	20
China	Luo, 1989	Canton Province	0	Luo 1989, rural population; >90% of population of these villages south China; Canton province (294)	both	294	25.9%	20.89%	30.91%	0.24%	0.00%	Luo, K. X., R. Zhou, et al. (1991). "Hepatitis B virus DNA in sera of virus carriers positive exclusively for antibodies to the hepatitis B core antigen." <i>J Med Virol</i> 35(1): 55-9.	1940884	14
China	Wiest, 1989	Jiangxi Province	Jishan island	Wiest 1989, villagers (>90%) Jishan island, Jiangxi Province; 91% of villagers aged >1 yo were examined and stool samples taken for S japonicum; samples selected at random for HBsAg testing (156)	both	156	11.0%	6.09%	15.91%	0.24%	0.00%	Wiest, P. M., G. Wu, et al. (1992). "Morbidity due to schistosomiasis japonica in the People's Republic of China." <i>Trans R Soc Trop Med Hyg</i> 86(1): 47-50.	1566304	5
China	Huang, 1990*	Shanghai	Shanghai	Huang 1990*, preschool children; all children in 5 kindergartens, Shanghai (520)	both	520	8.1%	5.74%	10.42%	0.28%	0.01%	Huang, M. J. (1990). "[An epidemiological study on prevalence and risk factors of hepatitis B virus (HBV) infection in preschool children]." <i>Zhonghua Liu Xing Bing Xue Za Zhi</i> 11(3): 129-32.	2390775	22
China	Tsai, 1990-1992	Taiwan	0	Tsai 1990-1992, hospital controls for HCC; hospitalized patients with no biochemical or clinical features of liver disease (102)	both	102	16.6%	9.38%	23.82%	0.19%	0.00%	Tsai, J. F., W. Y. Chang, et al. (1994). "Hepatitis B and C virus infection as risk factors for liver cirrhosis and cirrhotic hepatocellular carcinoma: a case-control study." <i>Liver</i> 14(2): 98-102.	7515142	53
China	Tsai, 1990-1992	Taiwan	0	Tsai 1990-1992, healthy community controls for HCC; no clinical evidence of LD; all had normal ALT levels (60)	both	60	18.0%	8.28%	27.72%	0.15%	0.00%	Tsai, J. F., J. E. Jeng, et al. (1994). "Antibodies to hepatitis E virus among Chinese patients with acute hepatitis in Taiwan." <i>J Med Virol</i> 43(4): 341-4.	7525864	54

China	Tsai, 1990-1992	Taiwan	Taipei	Tsai 1990-1992, healthy community controls for HCC; age and sex-matched controls for HCC patients (204)	both	204	19.6%	14.15%	25.05%	0.23%	0.00%	Tsai, J. F., W. Y. Chang, et al. (1994). "Effects of hepatitis C and B viruses infection on the development of hepatocellular carcinoma." <i>J Med Virol</i> 44(1): 92-5.	7528262	55
China	Tsai, 1990-1992	Taiwan	0	Tsai 1990-1992, community controls for hepatitis patients; randomly recruited from a community around the hospital during the same period; no clinical features of liver disease and normal transaminase level (250)	both	250	18.0%	13.24%	22.76%	0.24%	0.00%	Tsai, J. F., J. E. Jeng, et al. (1996). "Independent and additive effect modification of hepatitis C and B viruses infection on the development of chronic hepatitis." <i>J Hepatol</i> 24(3): 271-6.	8778192	74
China	Xiao, 1983-1986	Hunan province	0	Xiao 1983-1986, "normal population, no selection (3,089)	both	3,089	17.9%	16.52%	19.22%	0.29%	0.04%	Xiao, Y. J. (1990). "[Seroepidemiological study of HBV infection in Hunan area]." <i>Zhonghua Liu Xing Bing Xue Za Zhi</i> 11(3): 133-7.	2390776	1382
China	Yao, 1990	Guangzhou Province	0	Yao 1990, residents of Guangzhou Province; no selection available; no selection described in the review that presented these data; original article not available (1,207)	both	1,207	14.7%	12.70%	16.70%	0.28%	0.02%	Yao JL, Zhang XC, Lu WL (1988) Reasonable selection of vaccinees in hepatitis vaccination programme. <i>Acad J Sun Yat-Sen University of Medical Sciences</i> 9:54-58	NPM	232
China	Hsu, 1991	Taiwan	all regions	Hsu 1991, 6 yo school children born 1984-1985 when vaccination program covered only infants of carrier moms; proportional random sampling throughout country(1,500)	both	1,500	6.3%	5.07%	7.53%	0.29%	0.05%	Hsu, H. M., C. F. Lu, et al. (1999). "Seroepidemiologic survey for hepatitis B virus infection in Taiwan: the effect of hepatitis B mass immunization." <i>J Infect Dis</i> 179(2): 367-70.	9878020	94
China	Ko, 1991*	Taiwan	Jai-Dong, southern Taiwan	Ko 1991*, children and teens with or w/o gluteal fibrotic contracture, Jai-Dong, southern Taiwan; no selection method eligibility, or participation rate reported (124)	both	124	24.2%	16.66%	31.74%	0.19%	0.00%	Ko, Y. C., D. C. Chung, et al. (1991). "Intramuscular-injection-associated gluteal fibrotic contracture and hepatitis B virus infection among school children." <i>Gaoxiong Yi Xue Ke Xue Za Zhi</i> 7(7): 358-62	1875457	12
China	McGlynn, 1991-1992	Jiangsu Province	villages in Haimen City,	McGlynn 1991-1992, healthy residents of Haimen City; members of an ongoing cohort study of HCC (116)	both	116	13.8%	7.52%	20.08%	0.21%	0.00%	McGlynn, K. A., E. A. Rosvold, et al. (1995). "Susceptibility to hepatocellular carcinoma is associated with genetic variation in the enzymatic detoxification of aflatoxin B1." <i>Proc Natl Acad Sci U S A</i> 92(6): 2384-7.	7892276	61
China	Miller, 1991-1996	Chinese adoptees		Miller Chinese 1991-1996, Chinese adoptees to US; placed by a single Massachusetts adoption agency (242)	both	242	3.7%	1.32%	6.08%	0.28%	0.01%	Miller, L. C. and N. W. Hendrie (2000). "Health of children adopted from China." <i>Pediatrics</i> 105(6): E76.	10835089	101
China	Miller, 1991-1998	Chinese adoptees to US		Miller 1991-1998, Chinese adoptees to MA; evaluated at Floating Hospital international adoption clinic; self-referred by family or pediatrician (164)	both	164	9.0%	4.62%	13.38%	0.25%	0.00%	Miller, L. C. and N. W. Hendrie (2000). "Health of children adopted from China." <i>Pediatrics</i> 105(6): E76.	10835089	101
China	Pao, 1991*	Taiwan	Taipei	Pao 1991*, healthy outpatients randomly selected from outpatient clinics of Chang Gung Memorial Hospital, Taipei for reason unrelated to LD (926)	both	926	24.6%	21.83%	27.37%	0.27%	0.01%	Pao, C. C., D. S. Yao, et al. (1991). "Serum hepatitis B virus DNA in hepatitis B virus seropositive and seronegative patients with normal liver function." <i>Am J Clin Pathol</i> 95(4): 591-6.	2014786	15
China	Tsai, 1991-1992	Taiwan	Taipei	Tsai 1991-1992, healthy community controls for HCC pts; no liver lesions or abnl LFT, Taipei (150)	both	150	18.7%	12.46%	24.94%	0.21%	0.00%	Tsai, J. F., J. E. Jeng, et al. (1994). "Hepatitis B and C virus infection as risk factors for hepatocellular carcinoma in Chinese: a case-control study." <i>Int J Cancer</i> 56(5): 619-21.	8314335	67

China	Tsai, 1991-1993	Taiwan	0	Tsai 1991-1993, healthy controls for HCC patients; entered the hospital for physical check-up (361)	both	361	20.7%	16.52%	24.88%	0.25%	0.00%	Tsai, J. F., J. E. Jeng, et al. (1996). "Additive effect modification of hepatitis B surface antigen and e antigen on the development of hepatocellular carcinoma." <i>Br J Cancer</i> 73(12): 1498-502.	8664119	72
China	Wang, 1991	Taiwan	island-wide survey	Wang 1991, adolescents; stratified random sampling to select 20 townships and precincts(875)	both	875	18.9%	16.31%	21.49%	0.28%	0.01%	Wang, L. Y., Y. W. Cheng, et al. (1993). "Secular trend and geographical variation in hepatitis A infection and hepatitis B carrier rate among adolescents in Taiwan: an island-wide survey." <i>J Med Virol</i> 39(1): 1-5.	8423454	70
China	Chen, 1992-1993	Taiwan	Taipei	Chen 1992-1993, factory workers from six paint-manufacturing factories; 78% participated (368)	both	368	13.0%	9.56%	16.44%	0.26%	0.01%	Chen, J. D., J. D. Wang, et al. (1997). "Effects of occupational and nonoccupational factors on liver function tests in workers exposed to solvent mixtures." <i>Arch Environ Health</i> 52(4): 270-4.	9210726	80
China	Fen, 1992	Shanxi	Xiyang	Fen 1992, general population, no selection in abstract Xiyang, Shanxi Province; in Chinese (471)	both	471	10.2%	7.46%	12.92%	0.27%	0.01%	Fen, L. (1992). "[Serological study about the infection of hepatitis B in Xiyang County, Shanxi Province]." <i>Zhonghua Liu Xing Bing Xue Za Zhi</i> 13(2): 68-71.	1394386	4
China	Li, 1992	Hunan Province	Dongting Lake region	Li 1992, persons not infected with S japonicum randomly selected from village, Dongting Lake region, Hunan Province (497)	both	497	16.1%	12.87%	19.33%	0.27%	0.01%	Li, Y., D. B. Yu, et al. (1997). "Infections with hepatitis B virus in three villages endemic for schistosomiasis japonica in the Dongting Lake region of China." <i>Ann Trop Med Parasitol</i> 91(3): 323-7.	9229025	82
China	Li, 1992-1998	Fujian province	0	Li 1992-1998, general population; multistage random cluster sampling; "standardized prevalence rates" (3,809)	both	3,809	17.3%	16.05%	18.45%	0.29%	0.05%	Li, L., J. He, et al. (1998). "[Epidemiologic features of viral hepatitis in Fujian]." <i>Zhonghua Liu Xing Bing Xue Za Zhi</i> 19(2): 89-92.	10322717	98
China	Luo, 1992*	Guangdong Province	Guangzhou	Luo 1992*, general population; no selection in abstract Guangzhou, Guangdong Province; in Chinese (440)	both	440	5.0%	2.96%	7.04%	0.28%	0.02%	Luo, K. (1992). "[Asymptomatic hepatitis B virus infection among the elderly]." <i>Zhonghua Liu Xing Bing Xue Za Zhi</i> 13(2): 65-7.	1394385	3
China	Mott, 1992	Anhui Province	Dongdian township	Mott 1992, general population; community survey; Dongdian township, Anhui Province; 661 of total population of 2158 participated; random sample of 93 was selected from all samples for HBsAg testing (93)	both	93	35.5%	25.77%	45.23%	0.15%	0.00%	Mott, K. E., M. G. Chen, et al. (1992). "Liver ultrasound findings in a low prevalence area of S. japonicum in China: comparison with history, physical examination, parasitological and serological results." <i>Acta Trop</i> 51(1): 65-84.	1351356	2
China	Yao, 1992	Guangzhou Province	0	Yao 1992, residents of Guangzhou Province; no selection described in the review that presented these data; original article not available (4,328)	both	4,328	16.7%	15.59%	17.81%	0.29%	0.06%	Yao JL, Zhang XC, Lu WL (1988) Reasonable selection of vaccinees in hepatitis vaccination programme. <i>Acad J Sun Yat-Sen University of Medical Sciences</i> 9:54-58	NPM	232
China	Ye, 1992-1995	Hunan Province	Dongting Lake region	Ye 1992-1995, S japonicum negative controls identified in house-to-house survey; not ill (93)	both	93	12.9%	6.09%	19.71%	0.20%	0.00%	Ye, X. P., Y. L. Fu, et al. (1998). "Absence of relationship between Schistosoma japonicum and hepatitis B virus infection in the Dongting lake region, China." <i>Epidemiol Infect</i> 121(1): 193-5.	9747772	89

China	Chien, 1993*	Taiwan	Taipei	Chien 1993*, controls for HCC patients; no selection in abstract, Taipei (108)	both	108	15.7%	8.84%	22.56%	0.20%	0.00%	Chien, R. N., I. S. Sheen, et al. (1993). "Low prevalences of HBV and HCV infection in patients with primary biliary cirrhosis in Taiwan: a case control study." <i>J Gastroenterol Hepatol</i> 8(6): 574-6.	7506585	52
China	Hsu, 1993	Taiwan	Taiwan, all regions	Hsu 1993, 6 yo school children born 1985-1986 when vaccination program covered all infants; proportional random sampling throughout country (1,500)	both	1,500	1.7%	1.05%	2.35%	0.29%	0.18%	Hsu, H. M., C. F. Lu, et al. (1999). "Seroepidemiologic survey for hepatitis B virus infection in Taiwan: the effect of hepatitis B mass immunization." <i>J Infect Dis</i> 179(2): 367-70.	9878020	94
China	Sheu, 1993*	Taiwan	Taiwan, northern	Sheu 1993*, subjects worker at petroleum company; taken randomly from annual medical exam blood samples, northern Taiwan (1,500)	both	1,500	20.5%	18.46%	22.54%	0.28%	0.02%	Sheu, J. C., J. T. Wang, et al. (1993). "Prevalence of hepatitis C viral infection in a community in Taiwan. Detection by synthetic peptide-based assay and polymerase chain reaction." <i>J Hepatol</i> 17(2): 192-8.	8383160	68
China	Wang, 1993*	Hebei province	0	Wang 1993*, village population Hebei Province; no selection in abstract, in Chinese (586)	both	586	3.8%	2.21%	5.29%	0.29%	0.03%	Wang, A. (1993). "[An epidemiologic study on the etiology of primary hepatocellular carcinoma in Shaanxi]." <i>Zhonghua Liu Xing Bing Xue Za Zhi</i> 14(4): 208-11.	8143319	64
China	Chen, 1994	Taiwan	Chung-Cheng district, Taipei City	Chen 1994, children <13 yo ten years after vaccination program started Chung-Cheng, Taipei City; 85% received 3 or more doses of HBV vaccine (1,515)	both	1,515	1.3%	0.73%	1.87%	0.29%	0.24%	Chen, H. L., M. H. Chang, et al. (1996). "Seroepidemiology of hepatitis B virus infection in children: Ten years of mass vaccination in Taiwan." <i>JAMA</i> 276(11): 906-8.	8782640	75
China	Yao, 1994	Guangzhou Province	0	Yao 1994, residents of Guangzhou Province; no selection available; no selection described in the review that presented these data; original article not available (2,459)	both	2,459	14.9%	13.49%	16.31%	0.29%	0.04%	Yao JL, Zhang XC, Lu WL (1988) Reasonable selection of vaccinees in hepatitis vaccination programme. <i>Acad J Sun Yat-Sen University of Medical Sciences</i> 9:54-58	NPM	232
China	Zhang, 1994-1995	Henan province	0	Zhang 1994-1995, control patients w/o liver disease randomly selected from patients who were admitted to the same hospital; Henan Province (115)	both	115	5.2%	1.14%	9.26%	0.25%	0.00%	Zhang, J. Y., M. Dai, et al. (1998). "A case-control study of hepatitis B and C virus infection as risk factors for hepatocellular carcinoma in Henan, China." <i>Int J Epidemiol</i> 27(4): 574-8.	9758109	90
China	Chen, 1995-1996	Taiwan	Taipei	Chen 1995-1996, healthy subjects getting physical checkup at Veterans General Hospital-Taipei (3,647)	both	3,647	11.9%	10.85%	12.95%	0.29%	0.07%	Chen, C. Y., C. L. Lu, et al. (1998). "Age is one of the risk factors in developing gallstone disease in Taiwan." <i>Age Ageing</i> 27(4): 437-41.	9883999	96
China	Du, 1995*	Taiwan	0	Du 1995*, factory workers from 4 polyvinyl chloride (PVC) manufacturing factories; no info on sampling (244)	both	244	19.4%	14.44%	24.36%	0.24%	0.00%	Du, C. L., M. L. Kuo, et al. (1995). "Changes in lymphocyte single strand breakage and liver function of workers exposed to vinyl chloride monomer." <i>Toxicol Lett</i> 77(1-3): 379-85.	7618165	58
China	Jacobson, 1995	Jiangsu Province?	Daxin Township, Qidong county,	Jacobson 1995, general population; healthy subgroup of people screened for participation in a chemoprevention trial with oltipraz, Daxin township, Qidong county, Jiangsu Province (1,006)	both	1,006	8.8%	7.09%	10.59%	0.28%	0.03%	Jacobson LP, Zhang BC, Zhu YR, et al. (1997) Oltipraz chemoprevention trial in Qidong, People's Republic of China: study design and clinical outcomes. <i>Cancer Epidemiol Biomarkers Prev</i> . 1997 Apr;6(4):257-65	9107431	231
China	Wang, 1995	Taiwan,	Alien , Kaohsiung County, southern	Wang 1995, persons > 65 yo who came for free medical exam; Alien , Kaohsiung County, southern Taiwan (282)	both	282	8.2%	5.00%	11.40%	0.27%	0.01%	Wang, C. S., T. T. Chang, et al. (1998). "Differing characteristics of hepatitis B and C risk factors among elders in a rural area in Taiwan." <i>J Gerontol A Biol Sci Med Sci</i> 53(2): M107-11.	9520916	86

China	Luo, 1996	Taiwan	0	Luo 1996, DMF-exposed workers randomly selected from a resin synthesis factory; 38% of total participated (176)	both	176	19.3%	13.47%	25.13%	0.22%	0.00%	Luo, J. C., H. W. Kuo, et al. (2001). "Abnormal liver function associated with occupational exposure to dimethylformamide and hepatitis B virus." <i>J Occup Environ Med</i> 43(5): 474-82.	11382183	110
China	Tsai, 1996-1997	Taiwan	Taiwan' Kaohsiung	Tsai 1996-1997, healthy community controls for HCC; entered the Kaohsiung Medical University Hospital for physical check-ups; Kaohsiung (263)	both	263	22.1%	17.09%	27.11%	0.24%	0.00%	Tsai, J. F., L. Y. Chuang, et al. (2001). "Betel quid chewing as a risk factor for hepatocellular carcinoma: a case-control study." <i>Br J Cancer</i> 84(5): 709-13.	11237396	105
China	Tsai, 1996-1997	Taiwan	Taiwan' Kaohsiung	Tsai 1996-1997, healthy community controls for cirrhotics; entered the Kaohsiung Medical University Hospital for physical check-ups; Kaohsiung (210)	both	210	18.6%	13.34%	23.86%	0.23%	0.00%	Tsai, J. F., J. E. Jeng, et al. (2003). "Habitual betel quid chewing as a risk factor for cirrhosis: a case-control study." <i>Medicine (Baltimore)</i> 82(5): 365-72.	14530785	136
China	Wu, 1996*	Hubei	Huangshi	Wu 1996*, steel workers at Daye Steel Company, Huangshi, Hubei Province; no selection described (211)	both	211	13.7%	9.09%	18.39%	0.24%	0.00%	Wu, T. C., R. M. Tanguay, et al. (1996). "Presence of antibodies to heat stress proteins and its possible significance in workers exposed to high temperature and carbon monoxide." <i>Biomed Environ Sci</i> 9(4): 370-9.	8988805	76
China	Du, 1997-2007	Jiangsu province	Nanjing	Du 1997-2007; manual workers 18-59 yrs; study based on ongoing annual health examination data from a company with 7 factories in Nanking; national regulation requires employers to conduct annual health exams on all employees (7,445)	both	7,445	6.5%	5.97%	7.09%	0.29%	0.25%	Du, X., B. Zhu, et al. (2009). "U-shape association between white blood cell count and the risk of diabetes in young Chinese adults." <i>Diabet Med</i> 26(10): 955-60.	19900225	211
China	Hsing, 1997-2001	Shanghai	0	Hsing 1997-2001, general population; healthy subjects w/o a hx cancer randomly selected from resident registry, Shanghai (762)	both	762	7.3%	5.45%	9.15%	0.28%	0.02%	Hsing, A. W., M. Zhang, et al. (2008). "Hepatitis B and C virus infection and the risk of biliary tract cancer: a population-based study in China." <i>Int J Cancer</i> 122(8): 1849-53.	18076042	182
China	Lu, 1997	Taiwan	Yunlin County; five townships in central Taiwan	Lu 1997, general population Yunlin County; invited for preventive health exam; five townships in central Taiwan: Taishi, Suhu, Kouhu, Sweilin, Yuenchang(708)	both	708	14.9%	12.28%	17.52%	0.27%	0.01%	Lu, S. N., J. H. Wang, et al. (2002). "Predicting the prevalence of antibody to hepatitis C virus (HCV) in a community by the prevalence of elevated levels of alanine aminotransferase: a method to identify areas endemic for HCV." <i>Am J Trop Med Hyg</i> 67(2): 145-50.	12389938	121
China	Lu, 1997*	Taiwan	Taipei	Lu 1997*, healthy controls for patients with SLE no selection described Taipei (NA)	both	692	14.7%	12.06%	17.34%	0.27%	0.01%	Lu, C. L., S. T. Tsai, et al. (1997). "Hepatitis B infection and changes in interferon-alpha and -gamma production in patients with systemic lupus erythematosus in Taiwan." <i>J Gastroenterol Hepatol</i> 12(4): 272-6.	9195365	79
China	Saiman, 1997-1998	migrants to US		Saiman 1997-1998, Chinese adoptees to US; retrospective medical record review of internationally adopted children examined at outpatient international adoption practice, Mineola, NY (243)	both	243	3.3%	1.05%	5.55%	0.28%	0.02%	Saiman, L., J. Aronson, et al. (2001). "Prevalence of infectious diseases among internationally adopted children." <i>Pediatrics</i> 108(3): 608-12.	11533325	112
China	Shao, 1997-1998	Taiwan	Taipei and Tainan	Shao 1997-1998, hospital patients; all patients are routinely tested on admission; Taipei and Tainan (1,805)	both	1,805	16.7%	14.98%	18.42%	0.29%	0.03%	Shao, J., L. Guo, et al. (2002). "Estimation of the risk of bloodborne pathogens to health care workers after a needlestick injury in Taiwan." <i>Am J Infect Control</i> 30(1): 15-20.	11852411	117
China	Yu, 1997*	Jiangsu Province	Qidong county	Yu 1997*, general population; no info on sampling YY Township, Qidong county, Jiangsu Province (13,875)	both	13,875	11.0%	10.46%	11.50%	0.29%	0.29%	Yu, S. Y., Y. J. Zhu, et al. (1997). "Protective role of selenium against hepatitis B virus and primary liver cancer in Qidong." <i>Biol Trace Elem Res</i> 56(1): 117-24.	9152515	77

China	Yu, 1997*	Jiangsu province	Qidong county	Yu 1997*, general population no info on sampling; SN Township, Qidong county, Jiangsu Province (7,157)	both	7,157	14.8%	13.96%	15.60%	0.29%	0.12%	Yu, S. Y., Y. J. Zhu, et al. (1997). "Protective role of selenium against hepatitis B virus and primary liver cancer in Qidong." <i>Biol Trace Elem Res</i> 56(1): 117-24.	9152515	77
China	Yu, 1997*	four areas of China (not specified)	0	Yu 1997*, controls for HCC; no selection in abstract; in Chinese four areas of China not specified (359)	both	359	23.4%	19.02%	27.78%	0.25%	0.00%	Yu, S. Z., X. L. Zi, et al. (1997). "[The relationship between viral hepatitis and primary liver cancer in four areas of China]." <i>Zhonghua Liu Xing Bing Xue Za Zhi</i> 18(4): 214-6.	9812521	92
China	Cao, 1998*	mainland	H city, inshore Yangtze River region	Cao 1998*, controls for HCC pts; no sampling method described; H city, inshore Yangtze River region; ; no sampling method described (NA)	both	114	20.2%	12.83%	27.57%	0.19%	0.00%	Cao, K., M. Mizokami, et al. (1998). "GB virus C/hepatitis G virus infection among patients with hepatocellular carcinoma in the inshore area of the Yangtze River, China." <i>J Gastroenterol Hepatol</i> 13(12): 1241-8.	9918433	97
China	Chen, 1998-2000	Zhejiang Province	Hangzhou	Chen 1998-2000, hospital pts "non-hepatic"; Hangzhou, Zhejiang Province (8,089)	both	8,089	10.1%	9.44%	10.76%	0.29%	0.18%	Chen, Y. and W. Wu (2002). "Determination of low level HBsAg in serum by microparticle enzyme immunoassay." <i>Hepatobiliary Pancreat Dis Int</i> 1(2): 262-4.	14612280	138
China	Ding, 2008	Jingsu Province	Taixing City	Ding 208, population-based controls for HCC patients; doctors of the local public health center randomly selected one control for each case using the list of residents, Taixing City, Jingsu Province (208)	both	208	22.2%	16.55%	27.85%	0.22%	0.00%	Ding, J., S. Li, et al. (2008). "Alcohol dehydrogenase-2 and aldehyde dehydrogenase-2 genotypes, alcohol drinking and the risk of primary hepatocellular carcinoma in a Chinese population." <i>Asian Pac J Cancer Prev</i> 9(1): 31-5.	18439068	189
China	Ling, 1998*	Henan Province	Zhoukou Area	Ling 1998*, rural population; all registered residents in the village of Zhoukou Area (541)	both	541	12.6%	9.80%	15.40%	0.27%	0.01%	Ling, B. H., H. Zhuang, et al. (1998). "A cross-sectional study on HGV infection in a rural population." <i>World J Gastroenterol</i> 4(6): 489-492.	11819351	114
China	Ni, 1999	Taiwan	Chung-Cheng District, Taipei City	Ni 1999, children <15 yrs recruited through poster ads and clinics at Natl Taiwan University Hosp and from cschools; Chung-Cheng District, Taipei (1,357)	both	1,357	0.7%	0.26%	1.14%	0.29%	0.40%	Ni, Y. H., M. H. Chang, et al. (2001). "Hepatitis B virus infection in children and adolescents in a hyperendemic area: 15 years after mass hepatitis B vaccination." <i>Ann Intern Med</i> 135(9): 796-800.	11694104	113
China	Chen, 1999*	Taiwan	0	Chen 1999*, general population ≥60 yo who received a paid physical checkup at Veteran's General Hospital, Taipei (1,441)	both	1,441	8.6%	7.15%	10.05%	0.29%	0.04%	Chen, C. Y., C. L. Lu, et al. (1999). "The risk factors for gallstone disease among senior citizens: an Oriental study." <i>Hepatogastroenterology</i> 46(27): 1607-12.	10430304	99
China	Clift, 1999	Tibet	villages of Shigatse Municipality, Shigatse Prefecture	Clift 1999, villagers in 8 rural farming villages; two-stage randomized sample Shigatse Municipality, Tibet(1999)	both	324	21.6%	17.12%	26.08%	0.25%	0.00%	Clift, A., C. Morgan, et al. (2004). "Alarming levels of hepatitis B virus detected among rural Tibetans." <i>Trop Doct</i> 34(3): 156-7.	15267045	141
China	Kent, 1999	migrants to Canada	Canada	Kent 1999, Chinese immigrants to Canada; illegal Chinese immigrants on boats intercepted by Canadian immigration (600)	both	600	34.0%	30.21%	37.79%	0.26%	0.01%	Kent H, Chinese migrants: a healthy lot, MDs find. <i>CMAJ</i> 162(2):256	NPM	223
China	Lai, 1999-2002	Taiwan	Keelung	Lai 1999-2002, general population; participated in Keelung Community-Based Integrated Screening program, Keelung; about 25% of total population; initial recruit for Pap smears (hence F>M) (51,202)	both	51,202	12.8%	12.51%	13.09%	0.29%	0.93%	Lai, M. S., M. S. Hsieh, et al. (2006). "Type 2 diabetes and hepatocellular carcinoma: A cohort study in high prevalence area of hepatitis virus infection." <i>Hepatology</i> 43(6): 1295-302.	16729295	154

China	Lu, 1999-2003	Taiwan	Taishi Township, Yunlin County, south	Lu 1999-2003, middle school students born 1984-1990 Chung-Cheng District, Taipei; recruited 99% of students in the only junior middle school in the area in 1999, 2000, and 2003; students represent cohorts participating in first 7 years of national HBV vaccination program (1,454)	both	1,454	7.0%	5.71%	8.33%	0.29%	0.05%	Lu, S. N., C. H. Chen, et al. (2006). "Hepatitis B virus infection in adolescents in a rural township--15 years subsequent to mass hepatitis B vaccination in Taiwan." <i>Vaccine</i> 24(6): 759-65.	16159687	148
China	Ooi, 1999-2002	migrants to MA		Ooi 1999-1002, immigrants from China and Hong Kong; retrospectively analyzed data from pts born in developing countries returning to country of origin for visit (51)	both	51	7.7%	0.38%	15.02%	0.19%	0.00%	Ooi, W. W., A. Gallagher, et al. (2006). "Immunity to hepatitis A and hepatitis B in Indian and Chinese immigrants seen in a travel clinic in Massachusetts, United States." <i>J Travel Med</i> 13(4): 212-8.	16884403	156
China	Wu, 1999-2002	Taiwan	Keelung	Wu 1999-2002, general population Keelung screening; KCIS Cohort; subjects who participated in the Keelung Community-Based Integrated Screening program between 1999 and 2002; about 25% of total population; initial recruit for Pap smears (hence F>M) (61,845)	both	61,845	13.3%	13.03%	13.57%	0.29%	1.09%	Wu, G. H., B. J. Boucher, et al. (2009). "Impact of chewing betel-nut (Areca catechu) on liver cirrhosis and hepatocellular carcinoma: a population-based study from an area with a high prevalence of hepatitis B and C infections." <i>Public Health Nutr</i> 12(1): 129-35.	18410705	188
China	Chen, 2000-2002	Taiwan	Taipei	Chen 2000-2002, healthy controls randomly selected healthy adults who received physical exam at Veterans General Hospital, Taipei (193)	both	193	7.3%	3.63%	10.97%	0.26%	0.01%	Chen, T. L., C. C. Chan, et al. (2003). "Clinical characteristics and endoscopic findings associated with Blastocystis hominis in healthy adults." <i>Am J Trop Med Hyg</i> 69(2): 213-6.	13677378	134
China	Cheng, 2000*	Taiwan	Jaing-Jun village in south	Cheng 2000*, general population; villagers invited to take part; Jaing-Jun village in south Taiwan (594)	both	594	19.5%	16.31%	22.69%	0.27%	0.01%	Cheng, P. N., T. T. Chang, et al. (2000). "GB virus-C/hepatitis G virus infection in a hepatitis C virus endemic village: prevalence in residents with low educational attainment and frequent recovery in females." <i>Liver</i> 20(3): 222-7.	10902972	102
China	Dai, 2000*	Taiwan	Masago	Dai 2000*, general population of Masago enrolled; no info on sampling, eligibility, or participation rates (200)	both	200	28.0%	21.78%	34.22%	0.21%	0.00%	Dai, C. Y., M. L. Yu, et al. (2000). "The epidemiology of TT virus (TTV) infection in a hepatitis C and B virus hyperendemic area of southern Taiwan." <i>Kaohsiung J Med Sci</i> 16(10): 500-9.	11272796	107
China	Ho, 2000-2003	Taiwan	Tainan	Ho 2000-2003, healthy controls recruited consecutively from health check-up program at National Chen Kung University Hospital, Tainan (289)	both	289	15.6%	11.42%	19.78%	0.25%	0.00%	Ho, S. Y., Y. J. Wang, et al. (2004). "Increased risk of developing hepatocellular carcinoma associated with carriage of the TNF2 allele of the -308 tumor necrosis factor-alpha promoter gene." <i>Cancer Causes Control</i> 15(7): 657-63.	15280623	143
China	Lin, 2000-2003	Taiwan	Taipei	Lin 2000-2003, general population; patients who underwent a paid checkup at Chang Gung Memorial Hospital, Taipei (34,172)	both	34,172	15.2%	14.82%	15.58%	0.29%	0.54%	Lin, W. R., D. Y. Lin, et al. (2008). "Prevalence of and risk factors for gallbladder polyps detected by ultrasonography among healthy Chinese: analysis of 34 669 cases." <i>J Gastroenterol Hepatol</i> 23(6): 965-9.	17725602	175
China	Lu, 2000-2007	Taiwan	central and northern	Lu 2000-2007, 18 yo entering university 2005; successive birth cohorts entering public college in central Taiwan and private university in northern Taiwan; wide variety of students quite representative of adolescents (1,851)	both	1,851	1.3%	0.78%	1.82%	0.29%	0.29%	Lu, J. J., C. C. Cheng, et al. (2009). "Hepatitis B immunity in adolescents and necessity for boost vaccination: 23 years after nationwide hepatitis B virus vaccination program in Taiwan." <i>Vaccine</i> 27(47): 6613-8.	19698812	205

China	Xu, 2000-2005	Guangdong Province	Guangzhou and surrounding area	Xu 2000-2005, cancer-free controls; healthy checkup examinees without cancer history; healthy checkup examinees without cancer history; no selection described; Guangzhou, Guangdong Province (504)	both	504	16.1%	12.89%	19.31%	0.27%	0.01%	Xu, T., Y. Zhu, et al. (2008). "A functional polymorphism in the miR-146a gene is associated with the risk for hepatocellular carcinoma." <i>Carcinogenesis</i> 29(11): 2126-31.	18711148	192
China	Kao, 1999-2000	Taiwan	Taishi Township, central southern west coast	Kao 2001-2006, middle school students born 1986-1994; Taishi Township, central southern west coast; cross-sectional screenings of junior middle school students (1,348)	both	1,348	4.6%	3.48%	5.72%	0.29%	0.06%	Kao, J. T., J. H. Wang, et al. (2008). "Changing aetiology of liver dysfunction in the new generation of a hepatitis B and C-endemic area: cross-sectional studies on adolescents born in the first 10 years after universal hepatitis B vaccination." <i>Liver Int</i> 28(9): 1298-304.	18662273	191
China	Lin, 2001-2006	migrants to San Francisco, San Jose, Cupertino, Sunnyvale, Milbrae, Milpitas		Lin 2001-2006, Chinese-born persons in SF Bay area; free HBV screening program; recruited thru Chinese and English as in newspapers, radio, TV; screening at community events (fairs, cultural festivals), and clinics held at community-based orgs (1,016)	both	1,016	11.1%	9.17%	13.03%	0.28%	0.02%	Lin, S. Y., E. T. Chang, et al. (2007). "Why we should routinely screen Asian American adults for hepatitis B: a cross-sectional study of Asians in California." <i>Hepatology</i> 46(4): 1034-40.	17654490	173
China	Shuler, 2001-2004	migrants to US	Georgia	Shuler 2001-2004, foreign-born Chinese living in Georgia US; identified by linking vital records data to the state Refugee Health program; invited to participate (61)	both	61	9.8%	2.37%	17.31%	0.19%	0.00%	Shuler, C. M., A. E. Fiore, et al. (2009). "Reduction in hepatitis B virus seroprevalence among U.S.-born children of foreign-born Asian parents -- benefit of universal infant hepatitis B vaccination." <i>Vaccine</i> 27(43): 5942-7.	19679217	204
China	Yu, 2001*	Taiwan	Masago, Taiwan	Yu 2001*, general population; no info on sampling, eligibility, or participation rate; Masago, Taiwan (200)	both	200	28.0%	21.78%	34.22%	0.21%	0.00%	Yu, M. L., W. L. Chuang, et al. (2001). "The serological and molecular epidemiology of GB virus C/hepatitis G virus infection in a hepatitis C and B endemic area." <i>J Infect</i> 42(1): 61-6.	11243756	106
China	Chen, 2002-2003	Taiwan	Taipei	Chen 2002-2003, non-diabetic patients came for medical check-ups at the Family Medicine Department (905)	both	905	12.4%	10.25%	14.55%	0.28%	0.02%	Chen, H. F., C. Y. Li, et al. (2006). "Seroprevalence of hepatitis B and C in type 2 diabetic patients." <i>J Chin Med Assoc</i> 69(4): 146-52.	16689194	152
China	Dai, 2002*	Taiwan	Masago community	Dai 2002*, general population; no info on sampling; Masago, Taiwan (NA)	both	100	27.0%	18.30%	35.70%	0.17%	0.00%	Dai, C. Y., M. L. Yu, et al. (2002). "Clinical characteristics and distribution of genotypes of TT virus infection in a hepatitis C virus-hyperendemic township of a hepatitis B virus-endemic country (Taiwan)." <i>J Gastroenterol Hepatol</i> 17(11): 1192-7.	12453279	122
China	Dai, 2002-2005	Taiwan	Kaohsiung (major metropolitan area in southern Taiwan)	Dai 2002-2005, general population; randomly selected from computerized database of eligible population; Kaohsiung (11,239)	both	11,239	13.7%	13.06%	14.34%	0.29%	0.19%	Dai, C. Y., W. L. Chuang, et al. (2008). "Associations between hepatitis C viremia and low serum triglyceride and cholesterol levels: a community-based study." <i>J Hepatol</i> 49(1): 9-16.	18486265	190
China	Huang, 2002-2004	Taiwan	Kaohsiung City (major metropolitan area in southern Taiwan)	Huang 2002-2004, general population; multipurpose health survey of four suburban areas; randomly selected from database; Kaohsiung City (9,934)	both	9,934	13.1%	12.44%	13.76%	0.29%	0.18%	Huang, J. F., C. Y. Dai, et al. (2007). "Hepatitis C viremia increases the association with type 2 diabetes mellitus in a hepatitis B and C endemic area: an epidemiological link with virological implication." <i>Am J Gastroenterol</i> 102(6): 1237-43.	17531012	169

China	Li, 2002-2003	Hubei Province	0	Li 2002-2003, controls for IDUs; no selection described; Hubei Province (199)	both	199	1.0%	-0.39%	2.35%	0.29%	0.04%	Li, J. R., R. Y. Gong, et al. (2007). "Study on the blood-borne virus co-infection and T lymphocyte subset among intravenous drug users." <i>World J Gastroenterol</i> 13(16): 2357-62.	17511038	167
China	Shrestha, 2002*	Tibet	migrants to Katmandu, Nepal	Shrestha 2002*, Tibetans in three resettlement camps in Nepal; "collections were done at community centres and the people gathered were informed of the purpose of the study (375)	both	375	16.3%	12.56%	20.04%	0.26%	0.01%	Shrestha, S. M., N. Takeda, et al. (2002). "High prevalence of hepatitis B virus infection amongst Tibetans in Nepal." <i>Trop Gastroenterol</i> 23(2): 63-5.	12632970	127
China	Wang, 2002*	Shandong Province	Zaozhuang City	Wang 2002*, general population selected by multistage and stratified cluster sampling; Zaozhuang City, Shandong Province (963)	both	963	7.1%	5.46%	8.70%	0.29%	0.03%	Wang, X., D. Ding, et al. (2002). "[Epidemiological feature of hepatitis B in Zaozhuang City, Shandong Province]." <i>Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi</i> 16(3): 267-9.	12665937	128
China	Chang, 2003-2004	Taiwan	Taipei	Chang 2003-2004, university freshmen; routine school entry medical exam; Taipei (7,592)	both	7,592	3.0%	2.62%	3.38%	0.29%	0.53%	Chang, H. C., C. J. Yen, et al. (2007). "Seroprevalence of hepatitis B viral markers among freshmen--20 years after mass hepatitis B vaccination program in Taiwan." <i>J Formos Med Assoc</i> 106(7): 513-9.	17660140	174
China	Chen, 2003	Taiwan	Taipei	Chen 2003, consecutive type 2 diabetic patients attending outpatient endocrinology clinics; Taipei (820)	both	820	13.5%	11.16%	15.84%	0.28%	0.01%	Chen, H. F., C. Y. Li, et al. (2006). "Seroprevalence of hepatitis B and C in type 2 diabetic patients." <i>J Chin Med Assoc</i> 69(4): 146-52.	16689194	152
China	Liew, 2003-2005	Taiwan	Taipei	Liew 2003-2005, obese people undergoing laparoscopic gastric bypass or gastric banding, Taipei (160)	both	160	16.3%	10.58%	22.02%	0.22%	0.00%	Liew, P. L., W. J. Lee, et al. (2006). "Hepatic histopathology of morbid obesity: concurrence of other forms of chronic liver disease." <i>Obes Surg</i> 16(12): 1584-93.	17217634	161
China	Yang, 2003*	Beijing	0	Yang 2003*, type II diabetes patients, no sampling info; Beijing (160)	both	160	4.4%	1.20%	7.54%	0.27%	0.01%	Yang, S. Q., H. S. Chen, et al. (2003). "[Relationship between chronic hepatitis C and type II diabetes mellitus]." <i>Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi</i> 17(1): 46-9.	12870018	132
China	Yang, 2003*	Beijing	0	Yang 2003*, healthy adults, no sampling info; Beijing (223)	both	223	5.4%	2.42%	8.34%	0.27%	0.01%	Yang, S. Q., H. S. Chen, et al. (2003). "[Relationship between chronic hepatitis C and type II diabetes mellitus]." <i>Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi</i> 17(1): 46-9.	12870018	132
China	Chao, 2004	migrants to US		Chao 2004, Chinese immigrants to California; screening program-Jade Ribbon Campaign (1,311)	both	1,311	11.5%	9.77%	13.23%	0.29%	0.03%	Chao S, Le PV, Prapong W, et al. High prevalence of chronic hepatitis B (HBV) infection in adult Chinese Americans living in California. <i>Hepatology AASLD 2004, abstract 1271</i>	NPM	222
China	Guane, 2004*	migrants to US		Guane 2004*, Chinese immigrants to large US cities; screening programs in Chicago, Boston, New York, Philadelphia, other	both	5,341	10.4%	9.58%	11.22%	0.29%	0.12%	Guane, R, Siu P, Lam K, et Al. (2004) Prevalence of HBV and risk of HBV acquisition in hepatitis B screening programs in large metropolitan cities in the United States. <i>Hepatology AASLD 2004, abstract 1269</i>	NA	289
China	Kurexijiang, 2004	Xinjiang Autonomous Region	Khotan Area	Kurexijiang 2004, Uighurs; no info on sampling, eligibility, or participation rate; in Chinese; Khotan Area, Xinjiang Autonomous Region (2,022)	both	2,022	1.5%	0.95%	2.01%	0.29%	0.28%	Kurexijiang, T., W. Hamulati, et al. (2004). "[Epidemiological survey of HBsAg carriers in the Uighur and Han populations in the Khotan Area of Xinjiang autonomous region]." <i>Di Yi Jun Yi Da Xue Xue Bao</i> 24(11): 1287-8.	15567781	144

China	Kurexijiang, 2004	Xinjiang Autonomous region	Khotan Area	Kurexijiang 2004, Han-Chinese; no info on sampling, eligibility, or participation rate, in Chinese; Khotan Area, Xinjiang Autonomous Region (2,022)	both	2,022	6.1%	5.05%	7.13%	0.29%	0.07%	Kurexijiang, T., W. Hamulati, et al. (2004). "[Epidemiological survey of HBsAg carriers in the Uighur and Han populations in the Khotan Area of Xinjiang autonomous region]." <i>Di Yi Jun Yi Da Xue Xue Bao</i> 24(11): 1287-8.	15567781	144
China	Lai, 2004-2005	Taiwan	Pin-Jen township of Taoyuan county	Lai 2004-2005, residents >30 yo in Pin-Jen Taoyuan county; participated in Li-Shin Out-Reaching Neighboring Screening (LIONS) project in 2004-2005; goal is esarly detection of diabetes, HTN, and hyperlipidemia (5,007)	both	4,998	11.8%	10.91%	12.69%	0.29%	0.10%	Lai, H. W., H. Y. Hsiung, et al. (2009). "Ethnic-specific prevalence of hepatitis B/C virus infection in Pin-Jen, Taiwan." <i>Ethn Dis</i> 19(4): 384-9.	20073137	215
China	Lin, 2004-2005	Taiwan	Taipei	Lin 2004-2005, general populaiton; retrospective review of persons attending Shin Kong Wu Ho-Su Memorial Hospital for routine exams, Taipei (5,406)	both	5,406	15.1%	14.15%	16.05%	0.29%	0.09%	Lin, Y. C., S. T. Hsiao, et al. (2007). "Sonographic fatty liver and hepatitis B virus carrier status: synergistic effect on liver damage in Taiwanese adults." <i>World J Gastroenterol</i> 13(12): 1805-10.	17465470	166
China	Ni, 2004	Taiwan	Taipei City	Ni 2004, persons <20 yo born AFTER launch of universal vaccination program, Taipei; recruited from schools, institutes, or work-places through routine health checks, poster ads, HC staff invitations (17,637)	both	17,637	1.3%	1.10%	1.42%	0.29%	2.88%	Ni, Y. H., L. M. Huang, et al. (2007). "Two decades of universal hepatitis B vaccination in taiwan: impact and implication for future strategies." <i>Gastroenterology</i> 132(4): 1287-93.	17433322	164
China	Ni, 2004	Taiwan	Taipei City	Ni 2004, persons <20 yo born BEFORE launch of universal vaccination program, Taipei; recruited from schools, institutes, or work-places through routine health checks, poster ads, HC staff invitations (1,142)	both	1,142	10.9%	9.09%	12.71%	0.28%	0.02%	Ni, Y. H., L. M. Huang, et al. (2007). "Two decades of universal hepatitis B vaccination in taiwan: impact and implication for future strategies." <i>Gastroenterology</i> 132(4): 1287-93.	17433322	164
China	Shiao, 2004-2006	Taiwan	0	Shiao 2004-2006, source patients in HCW needle sticks; ; 16% of 420 hospitals in Taiwan responded to survey(583)	both	583	12.5%	9.82%	15.18%	0.27%	0.01%	Shiao, J. S., M. S. Lin, et al. (2008). "National incidence of percutaneous injury in Taiwan healthcare workers." <i>Res Nurs Health</i> 31(2): 172-9.	18196578	184
China	Sun, 2004-2007	Taiwan	0	Sun 2004-2007, controls for HIV-positive; chart review; HIV-neg who sought health check-up at same hospitals (2,594)	both	2,594	13.2%	11.90%	14.50%	0.29%	0.05%	Sun, H. Y., W. C. Ko, et al. (2009). "Seroprevalence of chronic hepatitis B virus infection among taiwanese human immunodeficiency virus type 1-positive persons in the era of nationwide hepatitis B vaccination." <i>Am J Gastroenterol</i> 104(4): 877-84.	19259078	194
China	Tsai, 2004	Taiwan	Tainan County, southern	Tsai 2004, general population recruited inn countywide heath screenings in 502 villages by Tainan County Health Bureau (56,702)	both	56,702	10.9%	10.64%	11.16%	0.29%	1.19%	Tsai, M. C., K. M. Kee, et al. (2007). "Excess mortality of hepatocellular carcinoma and morbidity of liver cirrhosis and hepatitis in HCV-endemic areas in an HBV-endemic country: geographic variations among 502 villages in southern Taiwan." <i>J Gastroenterol Hepatol</i> 22(1): 92-8.	17201888	160
China	Tung, 2004	Taiwan	Tainan County, southern Taiwan	Tung 2004, participants ≥40 yo in a county-wide community health screening Tainan County; all residents ≥40 yrs invited by mail, telephone and mass media to participate at 214 locations (56,265)	both	56,265	10.9%	10.64%	11.16%	0.29%	1.18%	Tung, H. D., J. H. Wang, et al. "Neither diabetes mellitus nor overweight is a risk factor for hepatocellular carcinoma in a dual HBV and HCV endemic area: community cross-sectional and case-control studies." <i>Am J Gastroenterol</i> 105(3): 624-31.	20051944	214
China	CDC, 2005	migrants to NYC		CDC 2005, Chinese immigrants in NYC participated in ongoing hepatitis B screening, evaluation, and treatment program (566)	both	566	21.4%	18.02%	24.78%	0.26%	0.01%	Centers for Disease Control and, P. (2006). "Screening for chronic hepatitis B among Asian/Pacific Islander populations--New York City, 2005." <i>MMWR Morb Mortal Wkly Rep</i> 55(18): 505-9.	16691180	153

China	Hsu, 2005-2006	migrants to Montgomery Co, MD		Hsu 2005-2006, Chinese immigrants Maryland; convenience sample recruited through faith-based and community orgs (241)	both	241	5.4%	2.55%	8.25%	0.27%	0.01%	Hsu, C. E., L. C. Liu, et al. (2007). "Reducing liver cancer disparities: a community-based hepatitis-B prevention program for Asian-American communities." J Natl Med Assoc 99(8): 900-7.	17722668	42
China	Pollack, 2005-2007	Fujian province	migrants to NYC	Pollack 2005-2007, immigrants from Fujian in NYC; participants in free HBV screening and treatment (2005-2007) for persons who were not previously screened (650)	both	650	35.2%	31.53%	38.87%	0.26%	0.01%	Pollack HJ, Sherman A, Tsang T, et al. (2008) An epidemiological study of hepatitis B infection in Fujianese immigrants of New York City. American Public Health Association 136th Annual Meeting, October 2008	NPM	222
China	Su, 2005	Taiwan	Taiwan, northern	Su 2005, university students born 1976-1983; new students entering Fu Jen Catholic University, northern Taiwan; ; 91% completed required medical exam and screening; (2005)	both	1,345	9.5%	7.90%	11.02%	0.29%	0.03%	Su, F. H., J. D. Chen, et al. (2008). "Waning-off effect of serum hepatitis B surface antibody amongst Taiwanese university students: 18 years post-implementation of Taiwan's national hepatitis B vaccination programme." J Viral Hepat 15(1): 14-9.	18088240	183
China	Su, 2005	Taiwan	Taiwan, northern	Su 2005, university students born 1984-1987; new students entering Fu Jen Catholic University, northern Taiwan; ; 91% completed required medical exam and screening; (2005)	both	4,530	1.8%	1.38%	2.14%	0.29%	0.53%	Su, F. H., J. D. Chen, et al. (2008). "Waning-off effect of serum hepatitis B surface antibody amongst Taiwanese university students: 18 years post-implementation of Taiwan's national hepatitis B vaccination programme." J Viral Hepat 15(1): 14-9.	18088240	183
China	Tao, 2005-2008	Beijing	0	Tao 2005-2008, case controls for HCC; healthy controls selected at random from an existing database of healthy individuals at Health Screening Center of Peking Union Medical College Hospital, Beijing (380)	both	380	5.0%	2.81%	7.19%	0.28%	0.02%	Tao, L. Y., X. D. He, et al. "Risk factors for intrahepatic and extrahepatic cholangiocarcinoma: a case-control study in China." Liver Int 30(2): 215-21.	19840244	210
China	Tong, 2005*	Shanghai	0	Tong 2005*, coronary angiography patients; Shanghai (434)	both	434	5.1%	3.03%	7.17%	0.28%	0.02%	Tong, D. Y., X. H. Wang, et al. (2005). "Hepatitis B virus infection and coronary atherosclerosis: results from a population with relatively high prevalence of hepatitis B virus." World J Gastroenterol 11(9): 1292-6.	15761966	146
China	Xu, 2005	Anhui Province	Funan County and Yingzhou District in Fuyang City	Xu, 2005, HIV-negative former blood donors; recruited from Funan County and Yingzhou District in Fuyang City, Anhui Province (59)	both	59	13.6%	4.85%	22.35%	0.17%	0.00%	Xu, J. Q., J. J. Wang, et al. (2006). "Epidemiology, clinical and laboratory characteristics of currently alive HIV-1 infected former blood donors naive to antiretroviral therapy in Anhui Province, China." Chin Med J (Engl) 119(23): 1941-8.	17199937	159
China	Yen, 2005-2006	Taiwan	0	Yen 2005-2006, university students receiving pre-entrance exams at National Taiwan University, Taipei (2005-2006)	both	8,226	2.7%	2.35%	3.05%	0.29%	0.64%	Yen, S. L., T. Y. Chiu, et al. (2008). "Obesity and hepatitis B infection are associated with increased risk of metabolic syndrome in university freshmen." Int J Obes (Lond) 32(3): 474-80.	17955029	179
China	Lee, 2006-2008	migrants to US		Lee 2006-2008, immigrants from China to Michigan; free screening offered at 8 health fairs to Asian Americans; ; 96% of participants were foreign-born (306)	both	306	5.6%	2.99%	8.13%	0.28%	0.01%	Lee, J., A. S. Lok, et al. "Hepatitis B Prevalence Among Asian Americans in Michigan: An Assessment to Guide Future Education and Intervention Strategies." J Community Health.	20300810	219
China	Li, 2006*	migrants to Maryland	Montgomery Co, Maryland	Li 2006*, Chinese-born migrants living in Maryland; free screening and vaccination program (102)	both	102	5.4%	1.01%	9.79%	0.25%	0.00%	Li M (2006) Hepatitis B Project for Maryland. Presented at Asian American National Health Summit, San Jose, 9/15/2006	NPM	234

China	Liu, 2006-2009	Jiangsu province	0	Liu 2006-2009, cancer-free controls; randomly selected from a pool of 30,000 persons who participated in a community-based screening program for non-infectious diseases; Jiangsu Province (861)	both	861	12.6%	10.38%	14.82%	0.28%	0.02%	Liu, L., Y. Xu, et al. "IL12 polymorphisms, HBV infection and risk of hepatocellular carcinoma in a high-risk Chinese population." <i>Int J Cancer</i> .	20521253	221
China	Rein, 2006-2008	migrants from China to US		Rein 2006-2008, refugees arriving in the US 2006-2008; information from states with an active refugee health coordinator (232)	both	232	5.6%	2.64%	8.56%	0.27%	0.01%	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	229
Tibet	Rein, 2006-2008	migrants to US		Rein 2006-2008, refugees arriving in the US 2006-2008; information from states with an active refugee health coordinator (250)	both	149	6.8%	2.76%	10.84%	0.25%	0.00%	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	229
China	Huang, 2007*	Guangxi	Southern Guangxi	Huang 2007*, general population; no sampling info; in Chinese; Southern Guangxi, Guangxi Province (15,701)	both	15,701	17.8%	17.20%	18.40%	0.29%	0.22%	Huang, T. R., J. H. Yu, et al. (2007). "[A cross-sectional study on liver diseases in the rural residents in southern Guangxi, China]." <i>Zhonghua Yu Fang Yi Xue Za Zhi</i> 41 Suppl: 123-6.	17767876	176
China	Li, 2007	Sichuan Province	Chengdu	Li 2007, workers who received medical checkup in West China Hospital of Sichuan University between Jan and Dec 2007; Chengdu Province (9,094)	both	9,094	7.8%	7.23%	8.33%	0.29%	0.26%	Li, H., Y. J. Wang, et al. (2009). "Prevalence and risk factors of fatty liver disease in Chengdu, Southwest China." <i>Hepatobiliary Pancreat Dis Int</i> 8(4): 377-82.	19666406	202
China	Lin, 2007-2008	migrants to San Jose CA	migrants to San Jose CA	Lin 2007-2008, Chinese-born immigrants to San Jose CA screened at free clinic; provided free HBV testing and follow-up to underserved API patients; ; data shown are for persons born in China (69)	both	69	24.6%	14.44%	34.76%	0.15%	0.00%	Lin, S. Y., E. T. Chang, et al. (2009). "Stopping a silent killer in the underserved asian and pacific islander community: a chronic hepatitis B and liver cancer prevention clinic by medical students." <i>Asian Pac J Cancer Prev</i> 10(3): 383-6.	19640178	977
China	Lu, 2007	Sichuan, Qinghai, Ningxia, Gansu, Helongjiang, Beijing city	0	Lu 2007, general population; blood samples obtained randomly from physical exams; normal Chinese subjects selected to be representative of the demographic characteristics as possible; vaccination status not considered; Sichuan, Qinghai, Ningxia, Gansu, Helongjiang, Beijing (8,762)	both	8,762	5.8%	5.35%	6.33%	0.29%	0.32%	Lu, J., Y. Zhou, et al. (2009). "General epidemiological parameters of viral hepatitis A, B, C, and E in six regions of China: a cross-sectional study in 2007." <i>PLoS One</i> 4(12): e8467.	20041146	213
China	Lin, 2008*	Taiwan	Fushin district, northern Taiwan	Lin 2008*, Atayal non-Aboriginal population; "almost all in community" screened; Fushin district, northern Taiwan; ; public health nurses visited every household in the community; "almost all in community" were screened (947)	both	947	20.8%	18.21%	23.39%	0.28%	0.01%	Lin, C. F., T. J. Shiau, et al. (2008). "Prevalence and determinants of biochemical dysfunction of the liver in Atayal Aboriginal community of Taiwan: is betel nut chewing a risk factor?" <i>BMC Gastroenterol</i> 8: 13.	18439308	1383
China	Qian, 2008*	Jiangsu Province	Wuxi	Qian 2008*, general population urban; randomly selected; no description of method in abstract; in Chinese; Wuxi, Jiangsu Province (3,744)	both	3,744	4.5%	3.84%	5.16%	0.29%	0.18%	Qian, Y. H., Y. D. Lin, et al. (2008). "[Study on the prevalence rate and immunity of hepatitis B virus infection among urban adults aged over 20 years in Wuxi, Jiangsu province]." <i>Zhonghua Liu Xing Bing Xue Za Zhi</i> 29(8): 783-6.	19103114	193
China	Du, 2009*	Sichuan Province	8 counties	Du 2009*, residents of 8 counties of Sichuan Province; multi-section random sampling method (3,806)	both	3,806	7.1%	6.24%	7.86%	0.29%	0.12%	Du, F., Q. L. Liu, et al. (2009). "[A seroepidemiologic analysis of hepatitis B in Sichuan province]." <i>Zhonghua Liu Xing Bing Xue Za Zhi</i> 30(2): 139-43.	19565873	201

China	Yin, 2009	Zhejiang Province; Jiangsu Province; Eastern China		Yin 2009, general population multi-stage cluster probability sampling; Zhejiang Province and Jiangsu Province (10,167)	both	10,167	7.8%	7.28%	8.32%	0.29%	0.29%	Yin, J. H., J. Zhao, et al. "HBV genotype C is independently associated with cirrhosis in community-based population." <i>World J Gastroenterol</i> 16(3): 379-83.	20082486	216
China	Zhou, 2009*	Abhui Province	Yangtze River area	Zhou 2009*, general population; stratified cluster sampling, in Chinese; Yangtze River area Anhui Province (2,282)	both	2,282	9.8%	8.58%	11.02%	0.29%	0.05%	Zhou LH, Li XQ, Ye DQ, Zheng YJ, Ge FY, Cai B, Huang F. [A cross-sectional survey on hepatitis B among general population in areas along Yangzi River in Anhui province] <i>Zhonghua Liu Xing Bing Xue Za Zhi.</i> 2009 Feb;30(2):144-6	19565874	196
					total studies	376	5,554,837		100.00%		100.00%			
					males	91								
					females	125								
					both	160								

* indicates publication year; survey year not reported

Table 2: Summary of Surveys Included in Meta-Analysis: Korea												Eastern Asia	
Country	Study (survey year*)	Region	Population and sampling method	Sex	Sample (n)	HBsAg positive (%)	95% lower CI	95% upper CI	RE weight (%)	FE weight (%)	Reference	Access No	Ref No
Korea	Hann, 1976-1978	Seoul and rural area	Hann 1976-78, general pop; healthy members of two churches and a rural village west of Seoul, males (79)	males	79	6.3%	0.96%	11.70%	0.61%	0.00%	Hann, H. W., C. Y. Kim, et al. (1982). "Hepatitis B virus and primary hepatocellular carcinoma: family studies in Korea." <i>Int J Cancer</i> 30(1): 47-51.	6288579	246
Korea	Choi, 1977-1982		Choi 1977-82, hospital controls; patients without liver disease at Severence Hospital, Yonsei University Medical Hospital, males (1,565)	males	1,565	13.6%	11.90%	15.30%	1.18%	0.01%	Choi HJ, Kim YS, Park KS, Lee SI, Moon YM, Kang JK, et al. (1983) Clinical study on distribution of hepatitis B virus markers in Korean population. <i>Korean J Gastroenterol</i> 15:163-167	NA	275
Korea	Lee, 1984	all	Lee 1984, gov employees & dependents getting free biennial health exam from Korean Medical Insurance Corp males (370,285)	males	370,285	5.1%	5.03%	5.17%	1.31%	4.66%	Lee, M. S., D. H. Kim, et al. (1998). "Hepatitis B vaccination and reduced risk of primary liver cancer among male adults: a cohort study in Korea." <i>Int J Epidemiol</i> 27(2): 316-9.	9602416	248
Korea	Yoo, 1984	all	Yoo 1984, general pop; beneficiaries of Korean Medical Insurance Corp; govt employees, teachers and staff, pensioners; none with LD, male (369,742)	males	369,742	4.6%	4.53%	4.67%	1.31%	5.13%	Yoo, K. Y., K. Heon, et al. (1991). "A reconstructed cohort study on the hepatitis B virus infection as a risk factor of liver cancer in Korea." <i>J Korean Med Sci</i> 6(4): 319-24.	1844640	236
Korea	Sung, 1986-1990	all	Sung 1986-1990, govt employees undergoing biennial health exams provided by Korean National Health Insurance males (521,421)	males	521,421	8.2%	8.13%	8.27%	1.31%	4.22%	Sung, J., Y. M. Song, et al. (2007). "Hepatitis B virus seropositivity and the risk of stroke and myocardial infarction." <i>Stroke</i> 38(5): 1436-41.	17379829	262
Korea	Hann, 1988-1990	migrants to PA, NJ, NY, CN, MD, VI, Wash DC	Hann 1988-90, Korean immigrants to Eastern US recruited at Korean churches; males (2,959)	males	2,959	8.0%	7.02%	8.98%	1.26%	0.02%	Hann, H. W., R. S. Hann, et al. (2007). "Hepatitis B virus infection in 6,130 unvaccinated Korean-Americans surveyed between 1988 and 1990." <i>Am J Gastroenterol</i> 102(4): 767-72.	17397407	263
Korea	Oh, 1990*	Kwangju City and Chonnam Province	Oh, 1990*, middle and high school students, Kwangju City and Chonnam Province males (76,817)	males	76,817	6.5%	6.31%	6.65%	1.31%	0.77%	Oh EA, Joung NK (1990) A survey of HBs and anti-HBs positives among primary, middle, and high school students in Kwangju City and Chonnam Province. <i>Korean J Gastroenterol</i> 22:825-830	NA	276
Korea	Jee, 1992-1995	all	Jee 1992-95, general population; govt employees, teachers, and dependents insured through Korea Medical Insurance Corp getting biennial exam, males ≥ 30 yo (478,189)	males	478,189	9.4%	9.32%	9.48%	1.31%	3.42%	Jee, S. H., H. Ohrr, et al. (2004). "Cigarette smoking, alcohol drinking, hepatitis B, and risk for hepatocellular carcinoma in Korea." <i>J Natl Cancer Inst</i> 96(24): 1851-6.	15601641	259
Korea	Kim, 1993	all	Kim 1993, army draftees; selection in Korean; males (65,565)	males	65,565	5.8%	5.62%	5.98%	1.31%	0.73%	Kim RK, Ahn BM, Lee DS, Park YM, Lee YS, Chung KW, Lee WC, Meng KH (2000) Changes in the positives of HBsAg and anti-HCV antibody among army draftees in Korea. <i>Korean J Hepatol</i> 6:474-480	NA	277
Korea	Kim, 1994	all	Kim 1994, army draftees; selection in Korean; males (60,234)	males	60,234	5.2%	5.02%	5.38%	1.31%	0.74%	Kim RK, Ahn BM, Lee DS, Park YM, Lee YS, Chung KW, Lee WC, Meng KH (2000) Changes in the positives of HBsAg and anti-HCV antibody among army draftees in Korea. <i>Korean J Hepatol</i> 6:474-480	NA	277

Korea	Kim, 1995	all	Kim 1995, army draftees; selection in Korean; males (69,890)	males	69,890	4.5%	4.35%	4.65%	1.31%	0.99%	Kim RK, Ahn BM, Lee DS, Park YM, Lee YS, Chung KW, Lee WC, Meng KH (2000) Changes in the positives of HBsAg and anti-HCV antibody among army draftees in Korea. Korean J Hepatol 6:474-480	NA	277
Korea	Park, 1995-1996	Hwasun County	Park 1995-1996, residents of rural Hwasun County, random cluster sampling of registered residents, males (718)	males	718	8.2%	6.21%	10.23%	1.13%	0.01%	Park JW, Kim BC, Park JH, Koh YI, Rhee D (1998) A survey of rates of HbsAG and anti-HBs in a rural area of Korea. Korean J Med 55(2):176-184	NA	274
Korea	Kim, 1996	all	Kim 1996, army draftees; selection in Korean; males (73,141)	males	73,141	4.7%	4.55%	4.85%	1.31%	0.99%	Kim RK, Ahn BM, Lee DS, Park YM, Lee YS, Chung KW, Lee WC, Meng KH (2000) Changes in the positives of HBsAg and anti-HCV antibody among army draftees in Korea. Korean J Hepatol 6:474-480	NA	277
Korea	Kim, 1997	all	Kim 1997, army draftees; selection in Korean; males (76,221)	males	76,221	4.5%	4.35%	4.65%	1.31%	1.08%	Kim RK, Ahn BM, Lee DS, Park YM, Lee YS, Chung KW, Lee WC, Meng KH (2000) Changes in the positives of HBsAg and anti-HCV antibody among army draftees in Korea. Korean J Hepatol 6:474-480	NA	277
Korea	Joshi, 1998	all	Joshi 1998, civil service undergoing biennial health exams provided by Korean National Health Insurance, males (548,530)	males	548,530	6.6%	6.53%	6.67%	1.31%	5.42%	Joshi, S., Y. M. Song, et al. (2008). "Socio-economic status and the risk of liver cancer mortality: a prospective study in Korean men." Public Health 122(11): 1144-51	18793784	266
Korea	Kim, 1998	all	Kim 1998, army draftees; selection in Korean; males (78,296)	males	78,296	4.6%	4.45%	4.75%	1.31%	1.09%	Kim RK, Ahn BM, Lee DS, Park YM, Lee YS, Chung KW, Lee WC, Meng KH (2000) Changes in the positives of HBsAg and anti-HCV antibody among army draftees in Korea. Korean J Hepatol 6:474-480	NA	277
Korea	Lee, 1998	six metropolitan cities and 9 provinces	Lee 1998, general population; 1998 Korean NHANS; stratified multistage probability sampling; "representative sample of the entire nation"; males >20 yo (4,514)	males	4,514	5.1%	4.46%	5.74%	1.29%	0.06%	Lee, D. H., J. H. Kim, et al. (2002). "Epidemiological findings of hepatitis B infection based on 1998 National Health and Nutrition Survey in Korea." J Korean Med Sci 17(4): 457-62.	12172038	255
Korea	Shin, 1998	Seoul	Shin 1998, adult outpatients visiting health care center at Seoul Paik Hospital; no selection described; male (1,149)	males	1,149	4.8%	3.56%	6.02%	1.24%	0.02%	Shin, B. M. and K. W. Jeong (2000). "Distribution of anti-HBs levels in Korean adults." Yonsei Med J 41(1): 40-8.	10731918	247
Korea	Kim, 1999	all	Kim 1999, army draftees; selection in Korean males (74,859)	males	74,859	4.3%	4.15%	4.45%	1.31%	1.11%	Kim RK, Ahn BM, Lee DS, Park YM, Lee YS, Chung KW, Lee WC, Meng KH (2000) Changes in the positives of HBsAg and anti-HCV antibody among army draftees in Korea. Korean J Hepatol 6:474-480	NA	277
Korea	Jeong, 2001	all	Jeong 2001, general population; Korean NHANS; noninstitutionalized civilians; sampling through stratified, multistage probability sampling design male (3,568)	males	3,568	4.7%	4.01%	5.39%	1.29%	0.05%	Jeong S, Yim HW, Bae SH, Lee WC (2008) Changes of Hepatitis B Surface Antigen Seroprevalence in Korea, 1998-2005. Korean J Hepatol 30(1):119-127	NA	278
Korea	Kim, 2002-2006	Cheonan, northwest Chungnam	Kim 2002-6, general pop; retrospective study of adults who had received medical examination at health promotion center in Dankook University Hospital; males (22,936)	males	22,936	4.5%	4.26%	4.80%	1.31%	0.32%	Kim, S. B., W. K. Lee, et al. (2009). "[A study on viral hepatitis markers and abnormal liver function test in adults living in northwest area of Chungnam]." Korean J Gastroenterol 53(6): 355-60.	19556842	271

Korea	Lim, 2002	Busan	Lim 2002, university students; contacted students from 3 institutions of higher education and arranged informational meetings; >90% of invited participated; male (536)	males	536	7.7%	5.44%	9.96%	1.09%	0.00%	Lim, M. K., S. Franceschi, et al. (2009). "Sexual activity and hepatitis B and C virus infection among young adults after introduction of a vaccination program in an area of high endemicity." <i>J Epidemiol</i> 19(5): 213-8.	19652445	272
Korea	Shin, 2002-2008	all	Shin 2002-2008, general population; participants in screening program at National Cancers Center males (10,327)	males	10,327	5.1%	4.69%	5.55%	1.30%	0.13%	Shin, A., E. R. Cho, et al. (2009). "Factors associated with awareness of infection status among chronic hepatitis B and C carriers in Korea." <i>Cancer Epidemiol Biomarkers Prev</i> 18(6): 1894-8.	19454614	269
Korea	Jeong, 2005	all	Jeong 2005, general population; Korean NHANES; noninstitutionalized civilians; sampling through stratified, multistage probability sampling design; males (2,826)	males	2,826	4.4%	3.64%	5.16%	1.28%	0.04%	Jeong S, Yim HW, Bae SH, Lee WC (2008) Changes of Hepatitis B Surface Antigen Seroprevalence in Korea, 1998-2005. <i>Korean J Hepatol</i> 30(1):119-127	NA	278
Korea	Song, 2008	Seoul	Song 2008, general population; subjects who visited Health Promotion Center for routine medical check-up male (637)	males	637	4.4%	2.81%	5.99%	1.19%	0.01%	Song, E. Y., Y. M. Yun, et al. (2009). "Prevalence of occult hepatitis B virus infection in a general adult population in Korea." <i>Intervirology</i> 52(2): 57-62.	19401629	268
Korea	Hann, 1976-1978	Seoul and rural area	Hann 1976-1978, general pop; healthy members of two churches and a rural village west of Seoul, females (182)	females	182	4.4%	1.42%	7.38%	0.97%	0.00%	Hann, H. W., C. Y. Kim, et al. (1982). "Hepatitis B virus and primary hepatocellular carcinoma: family studies in Korea." <i>Int J Cancer</i> 30(1): 47-51.	6288579	246
Korea	Choi, 1977-1982		Choi 1977-82, hospital controls; patients without liver disease at Severance Hospital, Yonsei University Medical Hospital female (1,069)	females	1,069	10.4%	8.57%	12.23%	1.16%	0.01%	Choi HJ, Kim YS, Park KS, Lee SI, Moon YM, Kang JK, et al. (1983) Clinical study on distribution of hepatitis B virus markers in Korean population. <i>Korean J Gastroenterol</i> 15:163-167	NA	275
Korea	Chang, 1985-1986	Mokpo, Jollanamdo	Chang 1985-1986, urban pregnant women delivering at St. Columban's Hospital Mokpo, Jollanamdo (1,822)	females	1,822	8.6%	7.33%	9.91%	1.23%	0.01%	Chang, Y. H., G. S. Choi, et al. (1986). "Epidemiologic study of hepatitis B in pregnant Korean women." <i>Korean J Intern Med</i> 1(2): 233-42.	3154620	239
Korea	Chang, 1985-1986	Mokpo, Jollanamdo	Chang 1985-1986, village pregnant women delivering at St. Columban's Hospital Mokpo, Jollanamdo (1,051)	females	1,051	7.7%	6.10%	9.32%	1.19%	0.01%	Chang, Y. H., G. S. Choi, et al. (1986). "Epidemiologic study of hepatitis B in pregnant Korean women." <i>Korean J Intern Med</i> 1(2): 233-42.	3154620	239
Korea	Ryoo, 1985-1986	Mokpo (large port city in SW)	Ryoo 1985-86, pregnant women delivered at St Columbans' Hospital in Mokpo (5,284)	females	5,284	8.5%	7.73%	9.23%	1.28%	0.04%	Ryoo, Y. G., Y. H. Chang, et al. (1987). "Hepatitis B viral markers in pregnant women and newborn infants in Korea." <i>Korean J Intern Med</i> 2(2): 258-68.	3154838	240
Korea	Stevens, 1985*	immigrants to New York, San Francisco, Los Angeles	Stevens 1985*, preg immigrant women screened as part of a vaccination study(1,623)	females	1,623	5.5%	4.39%	6.61%	1.25%	0.02%	Stevens, C. E., P. T. Toy, et al. (1985). "Perinatal hepatitis B virus transmission in the United States. Prevention by passive-active immunization." <i>JAMA</i> 253(12): 1740-5.	3974052	244
Korea	Hann, 1988-1990	migrants to PA, NJ, NY, CN, MD, VI, Wash DC	Hann 1988-90, Korean immigrants to Eastern US recruited at Korean churches; females (3,188)	females	3,171	4.4%	3.69%	5.11%	1.29%	0.05%	Hann, H. W., R. S. Hann, et al. (2007). "Hepatitis B virus infection in 6,130 unvaccinated Korean-Americans surveyed between 1988 and 1990." <i>Am J Gastroenterol</i> 102(4): 767-72.	17397407	263
Korea	Lee, 1989*	Masan	Lee 1989*, female workers in a shoe factory Masan, no selection described (165)	females	165	17.0%	11.27%	22.73%	0.56%	0.00%	Lee, S. H., B. K. Lee, et al. (1989). "Hepatitis B virus infection among women in a shoe factory in Korea." <i>Asia Pac J Public Health</i> 3(2): 145-9.	2803845	238

Korea	Euler, 1990-1993	migrants to 4 urban areas (Hartford and New Haven Co CT; DeKalb and Fulton Co GA; Wayne Co MI; Dallas Co TX	Euler 1990-93, pregnant women from Korea living in US; multicenter, retrospective chart review; study cohort selected from birth certificate files at Office of Vital records (208)	females	208	2.5%	0.35%	4.55%	1.11%	0.01%	Euler GL, Wooten KG, Baughman AL, Williams WW. (2003) Hepatitis B surface antigen prevalence among pregnant women in urban areas: implications for testing, reporting, and preventing perinatal transmission. <i>Pediatrics</i> . 2003 May;111(5 Part 2):1192-7	12728137	375
Korea	Oh, 1990*	Kwangju City and Chonnam Province	Oh, 1990*, middle and high school students, Kwangju City and Chonnam Province; no selection; females (47,808)	females	47,808	4.4%	4.26%	4.62%	1.31%	0.69%	Oh EA, Joung NK (1990) A survey of HBs and abti-HBs positives among primary, middle, and high school students in Kwangju City and Chonnam Province. <i>Korean J Gastroenterol</i> 22:825-830	NA	276
Korea	Jee, 1992-1995	all	Jee 1992-95, general pop; cohort of govt employees, teachers, and dependents; compulsory biennial exam through Korea Medical Insurance Corp females ≥ 30 yo (127,655)	females	127,655	6.5%	6.36%	6.64%	1.31%	1.28%	Jee, S. H., H. Ohrr, et al. (2004). "Cigarette smoking, alcohol drinking, hepatitis B, and risk for hepatocellular carcinoma in Korea." <i>J Natl Cancer Inst</i> 96(24): 1851-6.	15601641	259
Korea	Park, 1995-1996	Hwasun County	Park 1995-1996, residents of rural Hwasun County, random cluster sampling of registered residents, females (1,195)	females	1,195	4.0%	2.90%	5.12%	1.25%	0.02%	Park JW, Kim BC, Park JH, Koh YI, Rheu D (1998) A survey of rates of HbsAG and anti-HBs in a rural area of Korea. <i>Korean J Med</i> 55(2):176-184	NA	274
Korea	Lee, 1998	six metropolitan cities and 9 provinces	Lee 1998, general population; Korean NHANES; noninstitutionalized civilians >20 yo; stratified multistage probability sampling; "representative sample of the entire nation"; females (4,514)	females	5,257	4.1%	3.56%	4.64%	1.30%	0.08%	Lee, D. H., J. H. Kim, et al. (2002). "Epidemiological findings of hepatitis B infection based on 1998 National Health and Nutrition Survey in Korea." <i>J Korean Med Sci</i> 17(4): 457-62.	12172038	255
Korea	Shin, 1998	Seoul	Shin 1998, adult female clinic visitors Seoul; ; no selection described (316)	females	316	3.5%	1.46%	5.50%	1.13%	0.01%	Shin, B. M. and K. W. Jeong (2000). "Distribution of anti-HBs levels in Korean adults." <i>Yonsei Med J</i> 41(1): 40-8.	10731918	247
Korea	Shimbo, 2000	Jeju Island (some studies show high endemicity)	Shimbo 2000, housewives in city and two villages invited to participate; no response rate; females (66)	females	66	5.0%	-0.26%	10.26%	0.62%	0.00%	Shimbo, S., T. Watanabe, et al. (2001). "Prevalence of hepatitis B and C virus infection among women in Jeju Island, Republic of Korea." <i>Southeast Asian J Trop Med Public Health</i> 32(2): 362-8.	11556590	251
Korea	Jeong, 2001	all	Jeong 2001, general population; Korean NHANS; noninstitutionalized civilians; sampling through stratified, multistage probability sampling design; females (4,350)	females	4,350	4.2%	3.60%	4.80%	1.29%	0.07%	Jeong S, Yim HW, Bae SH, Lee WC (2008) Changes of Hepatitis B Surface Antigen Seroprevalence in Korea, 1998-2005. <i>Korean J Hepatol</i> 30(1):119-127	NA	278
Korea	Kang, 2001-2002	Jeju Island (some studies show high endemicity)	Kang 2001-02, pregnant women; retrospective study of all women who delivered; no selection described; Jeju Island (1,030)	females	1,030	6.4%	4.91%	7.89%	1.20%	0.01%	Kang, H. S., B. C. Song, et al. (2004). "[Serologic markers of hepatitis B virus in pregnant women in Jeju Island]." <i>Korean J Hepatol</i> 10(3): 191-6.	15385713	258
Korea	Kang, 2001-2002	Seoul	Kang 2001-2002, women receiving health screening at health promotion center Seoul (7,270)	females	7,270	4.9%	4.40%	5.40%	1.30%	0.10%	Kang, H. S., B. C. Song, et al. (2004). "[Serologic markers of hepatitis B virus in pregnant women in Jeju Island]." <i>Korean J Hepatol</i> 10(3): 191-6.	15385713	258
Korea	Kim, 2002-2006	Cheonan, northwest Chungnam	Kim 2002-6, general population; retrospective study of adults who had received medical examination at health promotion center in Dankook University Hospital; females (17,176)	females	17,176	3.7%	3.42%	3.98%	1.31%	0.29%	Kim, S. B., W. K. Lee, et al. (2009). "[A study on viral hepatitis markers and abnormal liver function test in adults living in northwest area of Chungnam]." <i>Korean J Gastroenterol</i> 53(6): 355-60.	19556842	272

Korea	Lim, 2002	Busan	Lim 2002, university students; contacted students from 3 institutions of higher education and arranged informational meetings; >90% of invited participated; female (853)	females	853	8.3%	6.45%	10.15%	1.15%	0.01%	Lim, M. K., S. Franceschi, et al. (2009). "Sexual activity and hepatitis B and C virus infection among young adults after introduction of a vaccination program in an area of high endemicity." J Epidemiol 19(5): 213-8.	19652445	272
Korea	Shin, 2002-2008	all	Shin 2002-2008, general population; participants in screening program at National Cancers Center females (8,309)	females	8,309	4.5%	4.06%	4.96%	1.30%	0.12%	Shin, A., E. R. Cho, et al. (2009). "Factors associated with awareness of infection status among chronic hepatitis B and C carriers in Korea." Cancer Epidemiol Biomarkers Prev 18(6): 1894-8.	19454614	269
Korea	Seo, 2000-2002	Jeju Island (some studies show high endemicity)	Seo 2000-02, pregnant women; no selection described Jeju Island (1,013)	females	1,013	4.7%	3.40%	6.00%	1.23%	0.01%	Seo, J. H. (2003). "[Hepatitis B surface antigen and antibody positive rates of children and adolescents in Jeju]." Taehan Kan Hakhoe Chi 9(4): 304-14.	14695697	257
Korea	Jeong, 2005	all	Jeong 2005, general population; Korean NHANES; noninstitutionalized civilians; sampling through stratified, multistage probability sampling design; females (3,578)	females	3,578	3.0%	2.44%	3.56%	1.30%	0.07%	Jeong S, Yim HW, Bae SH, Lee WC (2008) Changes of Hepatitis B Surface Antigen Seroprevalence in Korea, 1998-2005. Korean J Hepatol 30(1):119-127	NA	278
Korea	Song, 2008	Seoul	Song 2008, general population; subjects who visited Health Promotion Center of Konkuk University Hospital for routine medical check up in July-Aug 2008; females (454)	females	454	3.5%	1.81%	5.19%	1.18%	0.01%	Song, E. Y., Y. M. Yun, et al. (2009). "Prevalence of occult hepatitis B virus infection in a general adult population in Korea." Intervirology 52(2): 57-62.	19401629	268
Korea	Friede, 1979-1983	adoptees to Washington State	Friede 1979-83, Korean adoptees to US; families with child adopted through WA Assoc of Christian Adoptive Parents; 96% participation rate (433)	both	433	7.0%	4.60%	9.40%	1.07%	0.00%	Friede, A., J. R. Harris, et al. (1988). "Transmission of hepatitis B virus from adopted Asian children to their American families." Am J Public Health 78(1): 26-9.	3337301	241
Korea	Greenblatt, 1985*	adoptees to Ventura CA	Greenblatt 1985*, Korean adoptees to US; children examined at Westlake Community Hospital, Ventura CA; no selection or participation rate reported (140)	both	140	4.3%	0.94%	7.66%	0.90%	0.00%	Greenblatt, M. and E. C. Khoo (1985). "Incidence of hepatitis B carriers among adopted Korean children." N Engl J Med 312(25): 1639.	4000205	245
Korea	Murray, 1985-1986	adoptees to Michigan	Murray 1985-86, Korean adoptees to US; all children cared for by Holt Children's Services, Seoul (884)	both	884	4.5%	3.13%	5.87%	1.22%	0.01%	Murray, D. L., M. Lynch, et al. (1988). "Results of screening adopted Korean children for HBsAg." Am J Public Health 78(7): 855-6.	3381972	242
Korea	Hostetter, 1986-90	adoptees to Minneapolis-St Paul, Minnesota	Hostetter 1986-90, Korean adoptees to US; all children referred to University of Minnesota pediatric clinic by parents (118)	both	118	3.0%	-0.08%	6.08%	0.95%	0.00%	Hostetter, M. K., S. Iverson, et al. (1991). "Medical evaluation of internationally adopted children." N Engl J Med 325(7): 479-85.	1649404	235
Korea	Lange, 1986	adoptees to Maryland, West Virginia, Florida, Louisiana	Lange 1986, Korean adoptees to US; all adoptive Korean children placed by Associated Catholic Charities of Baltimore (360)	both	360	2.8%	1.10%	4.50%	1.18%	0.01%	Lange, W. R. and E. Warnock-Eckhart (1987). "Selected infectious disease risks in international adoptees." Pediatr Infect Dis J 6(5): 447-50.	3601491	243
Korea	Berrington, 1992-1995	all	Berrington 1992-5, civil service workers undergoing biennial health exams provided by Korean National Health Insurance (201,975)	both	201,975	8.0%	7.88%	8.12%	1.31%	1.67%	Berrington de Gonzalez A, Yun JE, Lee SY, Klein AP, Jee SH. (2008) Pancreatic cancer and factors associated with the insulin resistance syndrome in the Korean cancer prevention study. Cancer Epidemiol Biomarkers Prev 17(2):359-64	NA	273

Korea	Jang, 1995	"evenly distributed over the country"	Jang 1995, children 6-19 yrs old; from schools and people assoc with K Natl Health Insurance; samples collected to assess health status of students and general population "national public health task"; Korean Assoc Health; (405,834)	both	405,834	8.2%	8.07%	8.24%	1.31%	3.30%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252
Korea	Jang, 1995	"evenly distributed over the country"	Jang 1995, students and general population ≥20 yo; from schools and people assoc with K Natl Health Insurance (197,901)	both	197,901	8.6%	8.51%	8.75%	1.31%	1.53%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252
Korea	Jang, 1996	"evenly distributed over the country"	Jang 1996, children 6-19 yrs old; from schools and people assoc with K Natl Health Insurance; samples collected to assess health status of students and general population "national public health task"; Korean Assoc Health (415,591)	both	415,591	3.9%	3.87%	3.99%	1.31%	6.70%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252
Korea	Jang, 1996	"evenly distributed over the country"	Jang 1996, students and general population ≥20 yo; from schools and people assoc with K Natl Health Insurance (223,874)	both	223,874	6.4%	6.27%	6.47%	1.31%	2.29%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252
Korea	Shin, 1996*	Pusan Paik	Shin 1996*, healthy community controls for HCC pts; people who visited the Non-Communicable Disease Control center of the same hospital as HCC pts for a routine check-up; age and sex matched to HCC pts, Pusan Paik (203)	both	203	3.5%	0.97%	6.03%	1.04%	0.00%	Shin, H. R., C. U. Lee, et al. (1996). "Hepatitis B and C virus, Clonorchis sinensis for the risk of liver cancer: a case-control study in Pusan, Korea." Int J Epidemiol 25(5): 933-40.	8921477	249
Korea	Shin, 1996*	Pusan Paik	Shin 1996*, hospital controls for HCC pts; selected from same hospital as HCC pts; dx of hospitalized controls was 89% eye disease and 11% ENT; age and sex matched to HCC pts Pusan Paik (203)	both	203	3.5%	0.97%	6.03%	1.04%	0.00%	Shin, H. R., C. U. Lee, et al. (1996). "Hepatitis B and C virus, Clonorchis sinensis for the risk of liver cancer: a case-control study in Pusan, Korea." Int J Epidemiol 25(5): 933-40.	8921477	249
Korea	Jang, 1997	"evenly distributed over the country"	Jang 1997, children 6-19 yrs old; from schools and people assoc with K Natl Health Insurance; samples collected to assess health status of students and general population "national public health task"; Korean Assoc Health (407,921)	both	407,921	2.1%	2.06%	2.15%	1.31%	12.04%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252
Korea	Jang, 1997	"evenly distributed over the country"	Jang 1997, students and general population ≥20 yo; from schools and people assoc with K Natl Health Insurance; samples collected to assess health status of students and general population "national public health task"; Korean Assoc Health (213,555)	both	213,555	5.9%	5.77%	5.97%	1.31%	2.36%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252
Korea	Jang, 1998	"evenly distributed over the country"	Jang 1998, children 6-19 yrs old; from schools and people assoc with K Natl Health Insurance; samples collected to assess health status of students and general population (447,706)	both	447,706	2.6%	2.58%	2.67%	1.31%	10.66%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252
Korea	Jang, 1998	"evenly distributed over the country"	Jang 1998, students and general population ≥20 yo; from schools and people assoc with K Natl Health Insurance; samples collected to assess health status of students and general population "national public health task"; Korean Assoc Health (164,999)	both	164,999	5.4%	5.28%	5.49%	1.31%	1.97%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252
Korea	Jang, 1999	"evenly distributed over the country"	Jang 1999, children 6-19 yrs old; from schools and people assoc with K Natl Health Insurance; samples collected to assess health status of students and general population (440,251)	both	440,251	1.3%	1.30%	1.37%	1.31%	20.31%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252

Korea	Jang, 1999	"evenly distributed over the country"	Jang 1999, students and general population ≥20 yo; from schools and people assoc with K Natl Health Insurance; samples collected to assess health status of students and general population (210,147)	both	210,147	5.4%	5.27%	5.47%	1.31%	2.52%	Jang, M. K., J. Y. Lee, et al. (2001). "Seroepidemiology of HBV infection in South Korea, 1995 through 1999." Korean J Intern Med 16(3): 153-9.	11769573	252
Korea	Ryu, 1999	Sungnam	Ryu 1999, pts with diabetes visiting clinic Sungnam; prospectively enrolled; no selection described (627)	both	627	4.5%	2.88%	6.12%	1.19%	0.01%	Ryu, J. K., S. B. Lee, et al. (2001). "Association of chronic hepatitis C virus infection and diabetes mellitus in Korean patients." Korean J Intern Med 16(1): 18-23.	11417300	250
Korea	Seo, 2000-2002	Jeju Island	Seo 2000-02, children teens; pediatric patients and students; no selection described (4,185)	both	4,185	2.1%	1.67%	2.53%	1.30%	0.12%	Seo, J. H. (2003). "[Hepatitis B surface antigen and antibody positive rates of children and adolescents in Jeju]." Taehan Kan Hakhoe Chi 9(4): 304-14.	14695697	257
Korea	Fang, 2001*	Yangpyung County of Kyonggi Province	Fang 2001*, ethnic Koreans Yangpyung County of Kyonggi Province; 70% farmers; vaccinated persons (32% of total) were excluded; no selection described (556)	both	556	4.1%	2.45%	5.75%	1.18%	0.01%	Fang, J. N., C. J. Jin, et al. (2001). "A comparative study on serologic profiles of virus hepatitis B." World J Gastroenterol 7(1): 107-10.	11819743	253
Korea	Shuler, 2001-2004	immigrants to US	Shuler 2001-2004, foreign-born Koreans living in Georgia US; initially identified by linking vital records data to the stae Refugee Health program of the DHR; mailed invite to eligible families; solicited ate religious festivals, worksites, and health fairs, clinics (122)	both	122	3.3%	0.12%	6.44%	0.94%	0.00%	Shuler, C. M., A. E. Fiore, et al. (2009). "Reduction in hepatitis B virus seroprevalence among U.S.-born children of foreign-born Asian parents -- benefit of universal infant hepatitis B vaccination." Vaccine 27(43): 5942-7.	19679217	373
Korea	Kim, 2002*	Seoul	Kim 2002*, cinic visitors Seoul; isitors to Center for Health Promotion and pts treated at Seoul National University Hospital for fractures; no selection described (444)	both	444	4.7%	2.73%	6.67%	1.14%	0.01%	Kim, J. H., Y. J. Bang, et al. (2002). "Hepatitis B virus infection and B-cell non-Hodgkin's lymphoma in a hepatitis B endemic area: a case-control study." Jpn J Cancer Res 93(5): 471-7.	12036441	254
Korea	Lee, 2002	Gwang-ju	Lee 2002, patients with gingivitis or peridontitis visting a dental clinic, Gwang-ju; all unaware of HBV status or vaccination hx; no selection described. "Many pts refused to participate." (120)	both	120	5.8%	1.62%	9.98%	0.77%	0.00%	Lee, S. A., S. Y. Yoo, et al. (2004). "Detection of hepatitis B virus and Mycobacterium tuberculosis in Korean dental patients." J Microbiol 42(3): 239-42.	15459655	237
Korea	Shin, 2002*	rural area	Shin 2002*, general population >40 yo; volunteers in rural area; subjects made aware of study by local health authorities and village heads; volunteers (approx 700/2299 inhabitants): (700)	both	700	4.4%	2.88%	5.92%	1.20%	0.01%	Shin, H. R., J. Y. Kim, et al. (2002). "Hepatitis B and C virus prevalence in a rural area of South Korea: the role of acupuncture." Br J Cancer 87(3): 314-8.	12177801	256
Korea	Juon, 2004	migrants to Baltimore-Washington metro area	Juon 2004, migrants to Baltimore-Washington; recruited via faith-based and community health programs as part of Hepatitis B Initiative (1,668)	both	1,668	2.0%	1.33%	2.67%	1.29%	0.05%	Juon, H. S., C. Strong, et al. (2008). "Public health model for prevention of liver cancer among Asian Americans." J Community Health 33(4): 199-205.	18363085	265
Korea	Lee, 2004-2007	migrants to Colorado	Lee 2004-07, Korean immigrants to Colorado; volunteers recruited through Korean churches; "77% of Koreans go to church and church is center of the Korean-American community serving social, political, and educational as well as religious functions" (609)	both	609	3.9%	2.36%	5.44%	1.20%	0.01%	Lee H, Levin MJ, Kim F, et al. (2008) Hepatitis B infection among Korean Americans in Colorado: evidence of the need for serological testing and vaccination. Hepatitis Monthly 8(2): 91-96, 2008	NPM	260
Korea	CDC, 2005	migrants to NYC	CDC 2005, Korean immigrants to US; volunteer participants in free HBV screening and treatment for persons who were not previously screened (280)	both	280	4.6%	2.15%	7.05%	1.06%	0.00%	Centers for Disease Control and, P. (2006). "Screening for chronic hepatitis B among Asian/Pacific Islander populations--New York City, 2005." MMWR Morb Mortal Wkly Rep 55(18): 505-9.	16691180	372

Korea	Choi, 2006	Seoul	Choi 2006, adults who visited the Seoul University Hospital, Gangnam Healthcare Center for a general medical exam between Jan and Dec 2006(21,130)	both	21,130	4.6%	4.33%	4.89%	1.31%	0.29%	Choi, S. Y., D. Kim, et al. (2009). "The relation between non-alcoholic fatty liver disease and the risk of coronary heart disease in Koreans." Am J Gastroenterol 104(8): 1953-60.	19491838	270
Korea	Ju, 2006*	Hapcheon	Ju 2006* survivors of atomic bomb , Hapcheon area; health exams provided to registered survivors in Hapcheon area (223)	both	223	2.7%	0.57%	4.83%	1.11%	0.01%	Ju, Y. S., H. J. Jhun, et al. (2006). "Non-cancer diseases of Korean atomic bomb survivors in residence at Hapcheon, Republic of Korea." J Korean Med Sci 21(3): 385-90.	16778377	261
Korea	Ju, 2006*	Hapcheon	Ju 2006*, general population; recruited from participants of Korean National Health and Nutrition Examination Survey (K-NHANES) from same area; Hapcheopn area (372)	both	372	3.5%	1.63%	5.37%	1.15%	0.01%	Ju, Y. S., H. J. Jhun, et al. (2006). "Non-cancer diseases of Korean atomic bomb survivors in residence at Hapcheon, Republic of Korea." J Korean Med Sci 21(3): 385-90.	16778377	261
Korea	Lee, 2006-2008	migrants to US	Lee 2006-2008, Korean immigrants to Michigan; free HBV (hepatitis B virus) screening was offered at 8 health fairs to Asian Americans; 96% of participants were foreign-born (52)	both	52	3.9%	-1.38%	9.08%	0.62%	0.00%	Lee, J., A. S. Lok, et al. (2010) "Hepatitis B Prevalence Among Asian Americans in Michigan: An Assessment to Guide Future Education and Intervention Strategies." J Community Health.	20300810	374
Korea	Roh, 2006	Seoul	Roh 2006, pts with maculopathy participating in Yonsei Eye Study; recruited from pts who came for general medical check-ups; >98% of pts age >40 yo participated (235)	both	235	7.7%	4.29%	11.11%	0.89%	0.00%	Roh, M. I., J. H. Kim, et al. (2008). "Estimated prevalence and risk factor for age-related maculopathy." Yonsei Med J 49(6): 931-41.	19108016	267
Korea	Roh, 2006	Seoul	Roh 2006, pts without maculopathy participating in Yonsei Eye Study; recruited from pts who came for general medical check-ups (9,126)	both	9,126	4.5%	4.07%	4.93%	1.30%	0.13%	Roh, M. I., J. H. Kim, et al. (2008). "Estimated prevalence and risk factor for age-related maculopathy." Yonsei Med J 49(6): 931-41.	19108016	267
Korea	Hsu, 2007*	migrants to Montgomery Co, MD	Hsu 2007*, 18-35 yo migrants; convenience sample recruited through faith-based and community orgs (200)	both	200	4.0%	1.28%	6.72%	1.01%	0.00%	Hsu, C. E., L. C. Liu, et al. (2007). "Reducing liver cancer disparities: a community-based hepatitis-B prevention program for Asian-American communities." J Natl Med Assoc 99(8): 900-7.	17722668	264
				total studies	84	6,528,653		100.00%		100.00%			
				males	25								
				females	24								
				both	35								

* indicates publication year; survey year not reported

Table 3: Summary of Data Supporting CHB Rate Used in Analysis: Japan

Eastern Asia

Meta-analysis not done for Japan. Used CHB rate = 0.63% (range 0.60% to 0.70%)

Country	Study (survey year*)	Region	Population and sampling method	Sex	Sample (n)	HBsAg positive (%)	95% lower CI	95% upper CI	RE weight (%)	FE weight (%)	Reference	Access No	Ref No
Japan	Tanaka, 1995-2000	national	blood donors First-time blood donors age 16-69 yrs visiting local offices of Japanese Red Cross in eight jurisdictions;	both	3,485,648	0.63%	0.62%	0.64%	NA	NA	Tanaka, J, Kumagai, et al. (2004). "Sex- and age-specific carriers of hepatitis B and C viruses in Japan estimated by the prevalence in the 3,485,648 first-time blood donors during 1995-2000." Intervirolog 47(1): 32-40.	15044834	1384