

**Supplementary Table 1.** List of studies included in the systematic review after full text screening.

TITLE	REFERENCE	AUTHOR'S NAME	YEAR	STUDY DESIGN	DIAGNOSTIC METHOD
<b>Epidemiology of echinococcosis in the middle east. 3. A. Study of hydatid disease patients from the city of Beirut</b>	<b>The American Journal of Tropical Medicine and Hygiene. 13, 681-5.</b>	<b>K. Abou-Daoud, et al.</b>	<b>1964</b>	<b>Case control</b>	<b>surgery</b>
Prevalence and risk factors for echinococcal infection in a rural area of northern Chile: a household-based cross-sectional study	PLOS Neglected Tropical Diseases. 8, 8, e3090.	G. Acosta-Jamett, et al.	2014	Cross-sectional	serology
Seroprevalence of human cystic echinococcosis and risk factors in animal breeders in rural communities in Denizli, Turkey	The Journal of Infection in Developing Countries. 8, 9, 1188-94.	S. Akalin, et al.	2014	Cross-sectional	serology
<b>HLA class II alleles: susceptibility or resistance to cystic echinococcosis in Yemeni patients</b>	<b>Parasitology Research. 107, 2, 355-61.</b>	<b>A. B. Al-Ghoury, et al.</b>	<b>2010</b>	<b>Case control</b>	<b>not reported</b>
Seroepidemiology of Human Hydatidosis Using AgB-ELISA Test in Arak, Central Iran	Iranian Journal of Public Health. 42, 4, 391-6.	M. Asghari, et al.	2013	Cross-sectional	serology
<b>The evaluation of HLA-DRB1 antigens as susceptibility markers for unilocular cystic echinococcosis in Egyptian patients</b>	<b>Parasitology Research. 92, 6, 473-7.</b>	<b>M. E. Azab, et al.</b>	<b>2004</b>	<b>Case control</b>	<b>surgery, imaging and serology</b>
Seroepidemiology of Human Hydatidosis in Golestan Province, Iran	Iranian J Parasitology. 2, 2, 20-24.	M Baharsefat, et al.	2007	Cross-sectional	serology
An epidemiological survey of cystic echinococcosis among Tibetan school pupils in West China	Annals of Tropical Paediatrics. 21, 3, 235-8.	Y. Bai, et al.	2001	Cross-sectional	serology
<b>Survey on cystic echinococcosis in Tibetans, West China</b>	<b>Acta Tropica. 82, 3, 381-5.</b>	<b>Y. Bai, et al.</b>	<b>2002</b>	<b>Cross-sectional</b>	<b>ultrasound and serology</b>

<b>Echotomographic and serological population-based study of hydatidosis in central Tunisia</b>	<b>Acta Tropica. 49, 2, 149-53.</b>	<b>A. Bchir, et al.</b>	<b>1991</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
<b>A community-based study to examine the epidemiology of human cystic echinococcosis in Rio Negro Province, Argentina</b>	<b>Acta Tropica. 136, 81–88.</b>	<b>G. M. Bingham, et al.</b>	<b>2014</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
<b>Risk factors for Echinococcus granulosus infection: a case-control study</b>	<b>The American Journal of Tropical Medicine and Hygiene. 62, 3, 329-34.</b>	<b>A. Campos-Bueno, et al.</b>	<b>2000</b>	<b>Case control</b>	<b>Surgery, imaging and serology</b>
<b>Risk factors associated with human cystic echinococcosis in Florida, Uruguay: results of a mass screening study using ultrasound and serology</b>	<b>The American Journal of Tropical Medicine and Hygiene. 58, 5, 599-605.</b>	<b>C. Carmona, et al.</b>	<b>1998</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
A sero-epidemiologic study on cystic echinococcosis in midwestern region of Turkey	Saudi Medical Journal. 26, 2, 350-1.	Z. Cetinkaya, et al.	2005	Cross-sectional	serology
<b>Risk factors associated with human cystic echinococcosis in Jordan: results of a case-control study</b>	<b>Annals of Tropical Medicine and Parasitology. 94, 1, 69-75.</b>	<b>P. M. Dowling, et al.</b>	<b>2000</b>	<b>Case control</b>	<b>surgery</b>
Seroprevalence of IgG antibodies against Echinococcus granulosus in the population of the region of Thessaly, Central Greece	PLoS One. 7, 5, e37112.	V. Fotiou, et al.	2012	Cross-sectional	serology
Cystic echinococcosis on the northeast of the provincial Reserve of Pampa de Achala, Córdoba, Argentina	Revista de Medicina Veterinaria. 89, 2, 41-44.	J. C. González Peralta, et al.	2008	Cross-sectional	serology
Seroprevalence of parasitic zoonoses and their relationship with social factors among the Canadian Inuit in Arctic regions	Diagnostic Microbiology and Infectious Disease. 78, 4, 404-10.	S. Goyette, et al.	2014	Cross-sectional	serology
Sonographical and serological survey of human cystic echinococcosis and analysis of risk factors associated with seroconversion in rural	Zoonoses Public Health. 58, 8, 582-8.	M. F. Harandi, et al.	2011	Cross-sectional	serology

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communities of Kerman, Iran

<b>TAP1 and TAP2 gene polymorphisms in childhood cystic echinococcosis</b>	<b>Parasitology International. 59, 2, 283-5.</b>	<b>N. Kiper, et al.</b>	<b>2010</b>	<b>Case control</b>	<b>imaging and serology</b>
<b>A case-control study of the risk factors for cystic echinococcosis among the children of Rio Negro province, Argentina</b>	<b>Annals of Tropical Medicine and Public Health. 96, 1, 43-52.</b>	<b>E. J. Larrieu, et al.</b>	<b>2002</b>	<b>Case control</b>	<b>ultrasound</b>
<b>Identification of risk factors for cystic echinococcosis in a peri-urban population of Peru</b>	<b>Transactions of the Royal Society of Tropical Medicine and Hygiene. 102, 1, 75-8.</b>	<b>P. L. Moro, et al.</b>	<b>2008</b>	<b>Case control</b>	<b>surgery</b>
<b>A province-based study using sampling method to investigate the prevalence of cystic echinococcosis among primary school children in Manisa, Turkey</b>	<b>Acta Tropica. 103, 2, 116-22</b>	<b>U. Z. Ok, et al.</b>	<b>2007</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
The seroprevalences of cystic echinococcosis, and the associated risk factors, in rural-agricultural, bedouin and semi-bedouin communities in Jordan	Annals of Tropical Medicine and Public Health. 97, 5, 511-20.	A. M. Qaqish, et al.	2003	Cross-sectional	serology
Human cystic echinococcosis in nomads of south-west Islamic Republic of Iran	Eastern Mediterranean Health Journal. 13, 1, 41-8.	A. Rafiei, et al.	2007	Cross-sectional	serology
Echinococcosis on the Tibetan Plateau: prevalence and risk factors for cystic and alveolar echinococcosis in Tibetan populations in Qinghai Province, China	Parasitology. 127 Suppl, S109-20.	P. M. Schantz, et al.	2003	Cross-sectional	X-ray or ultrasound plus serology
<b>An extensive ultrasound and serologic study to investigate the prevalence of human cystic echinococcosis in northern Libya</b>	<b>The American Journal of Tropical Medicine and Hygiene. 60, 3, 462-8.</b>	<b>M. A. Shambesh, et al.</b>	<b>1999</b>	<b>Cross-sectional</b>	<b>ultrasound and serology</b>

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Human hydatidosis : an under discussed occupational zoonosis in India	Helminthologia. Vol. 50, No. 2, pp. 87-90.	B. B. R. S. Singh et al.	2013	Cross-sectional	serology
<b>Cystic echinococcosis in Mundari tribe-members of South Sudan</b>	<b>Pathogen Global Health. 107, 6, 293-8.</b>	<b>B. T. Stewart, et al.</b>	<b>2013</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
<b>Echinococcosis in Tibetan populations, western Sichuan Province, China</b>	<b>Emerging Infectious Diseases journal. 11, 12, 1866-73.</b>	<b>L. Tiaoying, et al.</b>	<b>2005</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
<b>Human cystic echinococcosis in Kyrgystan: an epidemiological study</b>	<b>Acta Tropica. 85, 1, 51-61</b>	<b>P. R. Torgerson, et al.</b>	<b>2003</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
Investigation of risk factors for development of human hydatidosis among households raising livestock in Tibetan areas of western Sichuan province	Chinese journal of parasitology & parasitic disease. 19, 2, 93-6.	Q. Wang, et al.	2001	Cross-sectional	serology
<b>Cystic echinococcosis in semi-nomadic pastoral communities in north-west China</b>	<b>Transactions of the Royal Society of Tropical Medicine and Hygiene. 95, 2, 153-8.</b>	<b>Y. H. Wang, et al.</b>	<b>2001</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
<b>Human cystic echinococcosis in two Mongolian communities in Hobukesar (China) and Bulgan (Mongolia)</b>	<b>Transactions of the Royal Society of Tropical Medicine and Hygiene. 99, 9, 692-8.</b>	<b>Y. Wang, et al.</b>	<b>2005</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
<b>Community surveys and risk factor analysis of human alveolar and cystic echinococcosis in Ningxia Hui Autonomous Region, China</b>	<b>Bulletin of the World Health Organization. 84:714-721.</b>	<b>Y. R. Yang, et al.</b>	<b>2006</b>	<b>Cross-sectional</b>	<b>ultrasound and serology</b>
<b>Cystic and alveolar echinococcosis: an epidemiological survey in a Tibetan population in southeast Qinghai, China</b>	<b>Japanese journal of infectious diseases. 61, 242-246.</b>	<b>S. H. Yu, et al.</b>	<b>2008</b>	<b>Cross-sectional</b>	<b>ultrasound</b>
The serological study of cystic echinococcosis and assessment of surgical cases during 5 years (2007-2011) in Khorram Abad, Iran	Nigerian Journal of Clinical Practice. 16, 2, 221-5.	M. Zibaei, et al.	2013	Cross-sectional	serology

In **bold**, studies used for meta-analysis