

Annexe 2

Summary tables of infections related to water and environmental sanitation (excluding vector-borne infections)

CONTROLLING AND PREVENTING DISEASE

Table A2.1: Faecal-oral infections

Infection	Occurrence			Measures of control							
	Africa	Asia	Central and/or S. America	Improving water quality	Improving water availability	Improving handwashing	Improving sanitation	Improving food hygiene	Control of domestic animals	Control of domestic flies	Additional measures
Faecal-oral diseases	✓	✓	p	+++	+++	++	++	p	p	p	
Diarrhoeal diseases	✓	✓	p	+++	+++	++	++	p	p		
Campylobacter enteritis	✓	✓	✓	+++	+++	++	++	++	-		
Bacterial enteritis*	✓	✓	p	+++	+++	+	++	-	-		
Salmonellosis	✓	✓	✓	+++	+++	++	++	n.s.	-		
Yersiniosis	✓	✓	✓	+++	+++	+	++	n.s.	-		
Bacillary dysentery	✓	✓	-	+++	+++	++	++	-	n.s.		
Cholera	✓	✓	-	+++	+++	+++	++	-	n.s. ^(a)		care in handling, and burial, of the dead

+++ : very effective; ++ : effective; + : some effect; - : no, or not effective ;
 - : no, or not effective

^(a): where contaminated wastes are present

*caused by *E.coli*

Table A2.1: Faecal-oral infections (continued)

Infection	Occurrence			Measures of control							
	Africa	Asia	Central and/or S. America	Improving water quality		Improving handwashing	Improving sanitation	Improving food hygiene	Control of domestic animals	Control of domestic flies	Additional measures
				Animal reservoir	Improving water availability						
Rotaviral enteritis	✓	✓	✓	?	?	?	?	-	?	-	?
Epidemic viral gastroenteropathy	✓	✓	✓	n.s.	n.s.?	+	+	-	-	-	-
Amoebiasis	✓	✓	✓	n.s.	++	++	+	-	n.s.	-	-
Giardiasis	✓	✓	✓	++	++	+	+	-	-	-	-
Cryptosporidiosis	✓	✓	✓	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	-	-
Balantidiasis	✓	✓	✓	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	-	-
(para-) typhoid fever	✓	✓	✓	+++	+++	++	++	-	n.s.	n.s.	control of food handlers
Hepatitis A and E	✓	✓	✓	n.s.	n.s.?	+	+	-	-	-	-
Polioyelitis	✓	✓	✓	-	n.s.?	n.s.	+	-	-	-	immunisation: +++

+++ : very effective; ++ : effective; + : some effect; n.s.: extent of effectiveness is not specified; ? : uncertain - : no, or not effective

Table A2.1: Faecal-oral infections (continued)

Infection	Occurrence			Measures of control									
	Africa	Asia	Central and/or S. America	Animal reservoir	Improving water quality	Improving water availability	Improving handwashing	Improving sanitation	Improving food hygiene	Control of domestic animals	Control of domestic flies	Additional measures	
Hymenolepiasis	✓	✓	✓	n.s.	+	+	+	?	n.s. ^(a)	-	-		
Pinworm infection	✓	✓	✓	-	+	+	n.s.	-	-	-	-	hygiene of bedding and clothes	
Hydatid disease	✓	✓	✓ ^(b)	-	++	++	n.s. ^(b)	n.s.	n.s. ^(b)	-	-		
Cysticercosis	✓	✓	✓	-	++	++	n.s.	n.s.	n.s.	-	-		

+++ : very effective; ++ : effective; + : some effect; n.s.: extent of effectiveness is not specified; - : no, or not effective

^(a): possibly mice

^(b): dogs

Table A2.2: Water-based helminths (schistosomiasis and water-based helminths with 2 intermediate hosts)

Infection	Occurrence			Measures of control						
	Africa	Asia	Central and/or S. America	Animal reservoir	Reducing water contact	Improving sanitation	Improving food preparation	Control of freshwater snails	Mass treatment	Additional measures
Schistosomiasis	✓	✓	✓ ^(a)	+++	+	-	n.s.	-	n.s.	
Fasciolopsiasis	-	✓	✓	-	(b) +	+++	-	n.s. ^(b)	-	
Fascioliasis	✓	✓	✓	-	n.s. ^(c)	n.s.	n.s.	n.s.	-	
Clonorchiasis/Opisthorchiasis	-	✓	✓	-	+	+++	-	n.s.	-	
Diphyllobothriasis	✓	✓	✓	-	+	+++	-	-	n.s.	
Paragonimiasis	✓	✓	✓	-	+	+++	n.s.	n.s.	-	care in disposal of sputum

+++ : very effective; ++ : effective; + : some effect; - : no effect; n.s.: extent of effectiveness is not specified; - : no, or not effective

^(a): for *S.japonicum*

^(b): pigs

^(c): domestic animals

Table A2.3: Soil-transmitted helminths

Infection	Occurrence			Measures of control								
	Africa	Asia	Central and/or S. America	Animal reservoir	Improving water availability	Improving handwashing	Improving sanitation	Improving food hygiene	Wearing closed shoes	Mass treatment	Additional measures	
Hookworm disease	✓	✓	✓	-	-	++	+	++	++	++	+	+
Strongyloidiasis	✓	✓	✓	-	-	++	-	++	+	-	-	-
Roundworm infection	✓	✓	✓	-	++	++	+	-	++	++	+	+
Trichuriasis	✓	✓	✓	-	+	+	+	-	-	-	n.s.	-

+++ : very effective; ++ : effective; + : some effect; n.s.: extent of effectiveness is not specified; - : no, or not effective

Table A2.4: Beek and pork tapeworm

Infection	Occurrence			Measures of control		
	Africa	Asia	Central and/or S. America	Animal reservoir	Improving sanitation	Improving food hygiene
Beef tapeworm	✓	✓	-	+++	+++	+
Pork tapeworm	✓	✓	-	+++	+++	+
						Measures against cysticercosis can be found under faecal-oral infections
						Additional measures
						Meat inspection

Table A2.5: Leptospirosis and guinea-worm infection

Infection	Occurrence			Measures of control		
	Africa	Asia	Central and/or S. America	Animal reservoir	Improving water quality at source	Reducing water contact
Leptospirosis	✓	✓	✓	-	+++	++
Guinea-worm infection	✓	(e)	-	+++	n.s.	-
						control of rodents
						control of <i>Cyclops</i> spp.
						Improving food hygiene
						Control of domestic animals
						Additional measures

+++ : very effective; ++ : effective; + : some effect; n.s.: extent of effectiveness is not specified; - : no, or not effective

(e): in Yemen

Table A2.6: Infections transmitted through direct contact

Infection	Occurrence			Measures of control						
	Africa	Asia	Central and/or S. America	Animal reservoir	Improving water availability	Improving handwashing and clothes hygiene of body	Care in dealing with domestic animals	Control of domestic flies	Treatment of cases	Additional measures
Conjunctivitis	✓	✓	–	+++	n.s.	n.s.	–	n.s.	n.s.	n.s.
Trachoma	✓	✓	–	++	n.s.	n.s.	–	n.s.	n.s.	
Yaws	✓	✓	–	++	–	n.s.	–	n.s.	n.s.	
Leprosy	✓	✓	–	p	–	p	–	–	n.s.	
Scabies	✓	✓	–	+++	–	n.s.	–	–	n.s.	
Tinea	✓	✓	✓	++	–	n.s.	n.s.	–	n.s.	

+++ : very effective; ++ : effective; + : some effect; n.s. : extent of effectiveness is not specified; p : possibly effective - : no, or not effective