

Supplemental Material

Manuscript title: Seasonality in human enteric diseases: A Systematic Review

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Supplemental Material, Table 1. Attributes of 86 studies across five enteric diseases selected for review

Study Citation	Location, Years of Study	Study Design, Sample Size	Temporal Scale	Age Range (Yrs)	Peak season noted by the authors											
					J	F	M	A	M	J	J	A	S	O	N	D
(A) CAMPYLOBACTERIOSIS																
USA																
Hopkins and Olmsted 1985	Colorado, 1981-1982	Surveillance, 1185	Monthly	0-≥60									+	+		
Blaser et al. 1982	Denver, 1978-1980	Surveillance, 124	Monthly	0->60								+	+			
Altekruse et al. 1999	US, 1996	Surveillance (FoodNet) ^a	Monthly	0-≥60							+	+	+			
CANADA																
Thompson et al. 1986	Ontario, 1978-1985	Surveillance, 412	Monthly	0->60							+	+	+	+		
Michaud et al. 2004	Quebec, 2000-2001	Prospective Matched Case-Control, 158 (cases), 314 (controls)	Monthly	0->60								+	+	+		
Allard et al. 2010	Montreal, 1990-2006	Surveillance ^a	Weekly	None ^b												
UNITED KINGDOM																
Kendall and Tanner 1982	UK, 1979-1981	Surveillance, 518	Monthly	0->60								+	+	+		
Bradshaw et al. 1980	Chelmsford, 1977-1978	Surveillance, 109	Monthly	0->60								+	+	+	+	
Skirrow 1987	England, 1983-1984	Surveillance, 1873	Monthly	0->60							+	+				
Sopwith et al. 2003	NW England, 1997-1999	Surveillance, 3939	Monthly	0->60							+	+				
Jones et al. 1990	Lancaster, 1988-1989	Surveillance ^a	Monthly								+	+				
Sibbald and Sharp 1985	Scotland, 1978-1982	Surveillance, 7808	Monthly	0->60							+	+				
EUROPE																
Jepsen et al. 2009	Funen, Denmark, 1995-2004	Surveillance, 2984		None ^b												
Lassen and Kapperud 1984	Norway, 1980-1982	Surveillance, 249	Monthly	0->60									+	+		
Denis et al. 2009	Brittany, France, 2003-2004	Surveillance, 177	Monthly	0->60									+	+	+	
Samonis et al. 1997	Crete, Greece, 1992-1994	Surveillance, 169	Monthly	0->15									+	+		+
Studahl and Andersson 2000	Älvsborg, Sweden,1995	Retrospective Matched Case-Control, 101 (cases), 198 (controls)	Monthly	0->60									+	+	+	
Nakari et al. 2010	Finland, 1996-2001	Surveillance, 5650	Monthly	0->60								+	+	+	+	
Karelampi et al. 2007	Helsinki, Finland, 1996, 2002,2003	Surveillance, 307	Monthly	19->60									+	+	+	

Study Citation	Location, Years of Study	Study Design, Sample Size	Temporal Scale	Age Range (Yrs)	Peak season noted by the authors											
					J	F	M	A	M	J	J	A	S	O	N	D
Liesenfield et al. 1993	Germany, 1989-1991	Surveillance, 98	Quarterly,	0->60				+	+	+						
Cabrita et al. 1992	Portugal, 1984-1989	Surveillance, 150	Monthly	0->19	+	+										
OCEANIA																
Brieseman et al. 1985	Christchurch, New Zealand, 1981-1983	Surveillance, 517	Monthly	0->60	+	+									+	+
(B) SALMONELLOSIS																
USA																
Arshad et al. 2007	Michigan, 1995-2001	Surveillance, 6797	Monthly	0-≥60						+	+					
Oloya et al. 2007	Dakota, 2000-2005	Surveillance, 286	Monthly	None ^b						+	+	+				
Altekruse et al. 1999	US, 1996	Surveillance (FoodNet) ^a	Monthly	0-≥60						+	+	+				
Cherubin et al. 1996	New York, 1965-1966	Surveillance, 2200	Monthly	0->60							+	+	+			
Aserkoff et al. 1970	US, 1963-1967	Surveillance, 20,000	Monthly	0->60							+	+	+	+		
Younus et al. 2006	Michigan, 1995-2001	Surveillance, 1296	Monthly	0->60					+	+	+					
CANADA																
Ravel et al. 2010	Ontario 2005-2008	Surveillance (C-EnterNet), 216	Monthly	0-≥60						+	+					
UNITED KINGDOM																
Banatvala et al. 1999	North East Thames, 1993	Surveillance, 1760	Monthly	0->60						+	+	+				
Sharp and Heyman 1976	Scotland, 1967-1974	Surveillance, 194	Monthly	0->60								+	+	+		
Skirrow 1987	England, 1983-1984	Surveillance, 1149	Monthly	0->60							+	+				
EUROPE																
Leisenfield et al. 1993	Germany, 1989-1991	Surveillance, 264	Monthly	0->60							+	+	+			
Samonis et al. 1997	Crete, Greece, 1992-1994	Surveillance, 491	Monthly	0-≥15						+	+	+				
Cabrita et al. 1992	Portugal, 1984-1989	Surveillance, 416	Monthly	0-≥19							+	+	+			
Collard et al. 2008	Belgium, 1970-2005	Surveillance ^a	Monthly								+	+	+			
OCEANIA																
D'Souza et al. 2004	Australia, 1991-2001	Surveillance ^a	Monthly	None ^b	+	+	+									
ASIA																

Study Citation	Location, Years of Study	Study Design, Sample Size	Temporal Scale	Age Range (Yrs)	Peak season noted by the authors											
					J	F	M	A	M	J	J	A	S	O	N	D
Cho et al. 2006	Republic of Korea, 2003	Surveillance, 376	Monthly	0->60						+	+	+	+			
Cho et al. 2008	Republic of Korea, 2004-2006	Surveillance, 957	Monthly	0->60							+	+	+			
Toyofuku 2008	Japan, 1998-2004	Surveillance ^a	Monthly	None ^b							+	+	+			
(C) VTEC																
USA																
Altekruse et al. 1999	US, 1996	Surveillance ^a	Monthly	0≥60									+	+	+	
CANADA																
Pai et al. 1988	Alberta, 1984-1986	Surveillance, 166	Monthly	0->60									+	+	+	
Waters et al. 1994	Alberta, 1987-1991	Surveillance, 1450	Monthly	0->60								+	+	+		
Michel et al. 1999	Ontario, 1990-1995	Surveillance, 3001	Monthly	None ^b								+				
UNITED KINGDOM																
Thomas et al. 1996	England and Wales, 1992-1994	Surveillance, 1468	Monthly	0->60									+	+	+	
Willshaw et al. 2001	England and Wales, 1995-1998	Surveillance, 3429	Monthly	0->60									+	+	+	
Chapman et al. 1989	Sheffield, England, 1986-1987	Prospective Matched Case-Control, 36 (cases), 229 (controls)	Monthly	4->60									+	+		
Money et al. 2010	England, Wales, Scotland, 2000-2006	Surveillance, 9507	Monthly	None ^b									+	+	+	
MacDonald et al. 1996	Grampian Region, Scotland, 1988-1990	Surveillance, 95	Monthly	0->60								+	+	+	+	
Waters et al. 1994	Scotland, 1987-1991	Surveillance, 505	Monthly	0->60									+	+	+	
Carroll et al. 2005	Ireland, 2002-2004	Surveillance, 207	Monthly										+	+	+	
EUROPE																
Eklund et al. 2005	Finland, 1998-2002	Surveillance, 124	Monthly	None ^b									+	+	+	
Kistemann et al. 2004	Sweden, 1995-1999	Surveillance, 525	Monthly	0->60											+	+

Study Citation	Location, Years of Study	Study Design, Sample Size	Temporal Scale	Age Range (Yrs)	Peak season noted by the authors											
					J	F	M	A	M	J	J	A	S	O	N	D
(D) CRYPTOSPORIDIOSIS																
USA																
Naumova et al. 2000	Massachusetts, 1993-1996	Surveillance, 230	Daily	0->60									+	+	+	
Dietz et al. 2000a	7 States, 1997-1998	Surveillance (FoodNet), 1023	Monthly	0->60								+	+	+	+	
Dietz et al. 2000b	47 States, 1995-1998	Surveillance, 11612	Monthly	0->60								+	+	+	+	
Roy et al. 2004	7 States, 1999-2001	Retrospective Matched Case-Control, 282 (cases) 490 (controls)	Monthly	0->60							+	+	+	+		
Amin 2002	48 States, 2000	Surveillance, 121	Monthly	0->60			+								+	
CANADA																
Pintar et al. 2009	Ontario, 2005-2007	Case Control,36 (cases) 803 (controls)	Monthly	0≥60								+	+	+		
Majowicz et al. 2001	Ontario, 1996-1997	Surveillance, 451	Quarterly	0≥60								+	+	+		
Laupland and Church 2005	Calgary, 1999-2002	Surveillance, 173	Monthly	0->60	no seasonality noted											
Mann et al. 1986	Manitoba, 1983-1984	Surveillance, 39	Monthly	0->60									+	+		
UNITED KINGDOM																
Callaghan et al. 2009	West Ireland, 2004-2007	Surveillance, 569	Monthly	None ^b			+	+	+							
Garvey and McKeown 2009	Ireland, 2004-2006	Surveillance, 1363	Monthly	0->60				+	+	+						
Zintl et al. 2009	Ireland, 2000-2007	Surveillance, 199	Monthly	0->60			+	+	+							
Sopwith et al. 2005	North West England, 1996-2000	Surveillance, 3711	Weekly	0≥45				+	+	+						
Chalmers et al. 2009	England and Wales, 2000-2003	Surveillance, 7829	Monthly	0->60									+	+	+	
Pollock et al. 2009	Scotland, 2005-2007	Surveillance, 560	Monthly	0->60									+	+	+	
EUROPE																
Derouin et al. 2010	France, 2006-2009	Surveillance (Anofel), 407	Monthly	0->60									+	+	+	
Wielinga et al. 2008	Netherlands, 2003-2005	Surveillance, 91	Monthly	0->60										+	+	

Study Citation	Location, Years of Study	Study Design, Sample Size	Temporal Scale	Age Range (Yrs)	Peak season noted by the authors												
					J	F	M	A	M	J	J	A	S	O	N	D	
OCEANIA																	
Snel et al. 2009	New Zealand, 1997-2006	Surveillance, 8212	Monthly	0->60										+	+	+	
(E) GIARDIASIS																	
USA																	
Dennis et al. 1993	New Hampshire, 1984	Retrospective Case-Control, 273 (cases), 375 (controls)	Monthly	0≥55									+	+	+	+	
Birkhead and Vogt 1989	Vermont, 1983-1986	Surveillance, 1211	Monthly	0->60									+	+	+	+	
Naumova et al. 2000	Massachusetts, 1993-1996	Surveillance, 4508	Monthly	0->60									+	+	+	+	
Wright et al. 1977	Colorado, 1972-1973	Retrospective Matched Case-Control, 256 (cases), 256 (controls)	Monthly	0≥60									+				
Addiss et al. 1992	Wisconsin, 1981-1988	Surveillance, 9836	Monthly	0->60									+	+	+		
Navin et al. 1985	Nevada, 1982-1983	Retrospective Matched Case-Control, 45 (cases), 45 (controls)	Bi-weekly	0->60											+	+	
CANADA																	
Laupland and Church 2005	Calgary, 1999-2002	Surveillance, 552	Monthly	0->60									+	+	+	+	
Odoi et al. 2003	Ontario, 1990-1998	Surveillance, 17031	Monthly	0≥60									+	+	+		
Greig et al. 2001	Ontario, 1990-1998	Surveillance, 25289	Monthly	0≥60									+	+	+		
UNITED KINGDOM																	
Flanagan 1992	Scotland, 1983-1989	Surveillance ^a	Monthly	0->60									+	+	+		
Breathnach et al. 2010	South West London, 1999-2005	Surveillance, 819	Monthly	0->60											+	+	+
Gray et al. 1994	Avon and Somerset, 1992-1993	Matched Case- Control, 74 (cases), 108 (controls)	Monthly	0->60									+	+	+	+	
OCEANIA																	
Kettlewell et al. 1998	Tasmania, 1995-1997	Surveillance, 456	Monthly	0->60	no seasonality noted												
Snel et al. 2009	New Zealand , 1997-2006	Surveillance, 16471	Monthly	0->60			+	+	+								
Hoque et al. 2002	Auckland, New Zealand, 1996-2000	Surveillance, 2510	Monthly	0->60		+	+										

^a Total sample size not provided in the article

^b Age range of study population not provided in the article

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