

TABLE 1: Characteristics of included studies

Author	Country	Type of Study	Type of IBD*	Outcome	Population age	Year dataset	n	Specific Group
Souza 2002	Brazil	Registry	UC/CD	Incidence Case-fatality rate Hospitalization	>18	1980 to 1999	252	Hospital-based
Santana 2007	Brazil	Cross-sectional	CD	Hospitalization	>18	2006	65	Hospital-based
Victoria 2009	Brazil	Registry	IBD	Incidence Prevalence	15 to 74	1986 to 2005	115/ 533508	Hospital-based
Cornelio 2009	Brazil	Cross-sectional	CD	Adherence to treatment	18 to 65	2006 to 2007	100	Hospital-based
Cohen 2010	Brazil	Cross-sectional	UC/CD	Patients reported outcomes	18 to 60	NR	50	City-based

Oliveira 2010	Brazil	Registry	UC/CD	Hospitalization/Length of stay	NR	1998 to 2005	363	Hospital- based
Machado da Souza 2011	Brazil	Cross- sectional	UC/CD	Treatment patterns Patients reported outcomes	27 to 52	2006-2007	103	Pharmacy registry
Silva da Souza 2013	Brazil	RCT	CD	Hospitalization/Length of stay	18 to 65	2003 to 2007	72	Hospital- based
Campos 2013	Brazil	Case series	UC/CD	Case-fatality rate	NR	1984 to 2007	1607	Hospital- based
Vidigal 2014	Brazil	RCT	CD	Comparative Effectiveness	18 to 65	NR	72	Hospital- based
Parente 2015	Brazil	Registry	UC/CD	Incidence Prevalence	>18	1988 to 2012 1988 to 2007	252	Hospital- based

Freitas 2015	Brazil	Cross-sectional	UC/CD	Patients reported outcomes	31 to 59	NR	147	Hospital-based
Baños 2010	Colombia	Registry	UC/CD	Case-fatality rate Hospitalization	2 to 77	2001 to 2009	202	Hospital-based
Meyer 2015	Chile	Registry	UC/CD	Treatment patterns	16 to 86	1976 to 2013	356	Hospital-based
Figueroa 2005	Chile	Registry	UC/CD	Treatment patterns	14 to 78	1990 to 2009	282	Hospital-based
Buenavida 2011	Uruguay	Registry	UC/CD	Incidence	>14	2007 to 2008	34/64 5695	Multicenter
Yamamoto 2009	Mexico	Registry	UC	Treatment patterns	All ages	1987 to 2006	848	Hospital-based
De la Cruz 2011	Mexico	Registry	IBD	Treatment patterns	All ages	1990 to 2008	85	Hospital-based
Bosques-Padilla 2011	Mexico	Registry	UC	Treatment patterns	All ages	2004 to 2008	104	Hospital-based

Appleyard 2004	Puerto Rico	Cross-sectional	IBD	Incidence Prevalence	13 to 85	1996 - 2000 2004	202	Nationwide
Melendez 2011	Puerto Rico	Registry	UC/CD	Treatment patterns	All ages	1995 to 2007	507	Nationwide
Vendrell 2013	Puerto Rico	Registry	IBD	Prevalence	NR	2002 to 2005	477/1 2477 92	Health Insurance Records
Fragoso Arbelo 2002	Cuba	Cross Sectional	UC/CD	Case-fatality rate	6 month to 19 years	NR	88	Multicenter
Edwards 2008	Barbados	Registry	UC/CD	Incidence Prevalence	All ages	1980 to 2005	168	Hospital- based
Sonnenberg 2007	Argentina Chile Mexico	Registry	UC/CD	Mortality rate	All ages	1991 to 2004	NR	Nationwide

*IBD: includes CD, UC and non-specified IBD

NR: not reported

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TABLE 2: Risk of bias of included studies by type of study**Risk of bias of included randomized controlled trials**

Risk of bias								
Author	Masking	Blindness of researchers	Blindness of participants	Conflict of interest	Randomization	Other risks	Incomplete Report of data	Selective Report
De Souza 2013	Low	Low	Low	Unclear	Low	Low	Unclear	Unclear
Vidigal 2014	High	High	High	High	Unclear	High	Low	Low

Risk of bias of included case series, surveillance/registry and cross-sectional studies

Risk of bias				
Author	Conflict of interest	Confounder control	Exposure and outcome measurements	Participant selection
Campos 2013	Low	Low	Low	Moderate
Bosques-Padilla 2013	Unclear	Low	Low	Moderate
Buena vida 2011	Low	Low	Low	Low
De la cruz 2011	Unclear	Low	Low	High
Melendez 2011	Low	Low	Unclear	High
Meyer 2015	Low	Low	Low	Moderate
Monsalve Arango 2010	Unclear	Low	Low	Moderate
Oliveira 2010	Unclear	Low	High	Moderate
Parente 2015	Unclear	Low	Low	Low
Vendrell 2013	Unclear	Low	High	Low
Edwards 2008	Unclear	Low	Low	Moderate
Figuroa 2005	Unclear	Low	Low	Moderate
Sonnenberg 2007	Unclear	Low	High	High
Souza 2002	Unclear	Low	Unclear	Low
Victoria 2009	Unclear	Low	Low	Moderate
Yamamoto-Furusho 2009	Low	Low	High	Moderate
Cohen 2010	Unclear	Low	Low	High
Freitas 2015	Low	Low	Low	Moderate
Souza 2011	Unclear	Low	Low	Moderate

Appleyard 2004	Unclear	Low	Moderate	Moderate
Cornelio 2009	Unclear	Low	Low	Moderate
Fragoso Arbelo 2002	Unclear	High	Low	Moderate
Santana 2007	Unclear	Low	Low	Moderate

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TABLE 3: Main results of studies reporting incidence of inflammatory bowel disease in Latin-America

Author/year	Country	Age Range (Mean)	Dataset year	Incidence/100000 inhabitants		
				UC	CD	Non-specified IBD
Parente 2015	Brazil	>18	1988 to 2012	0.08 (1988) ^a	1.53 (2007) ^a	
Victoria 2009	Brazil	15 to 74 (37.95)	1986 -1990	0.74	0.24	-
			1991-1995	3.86	0.68	-
			1996-2000	6.76	1.48	0.42
			2001-2005	4.48	3.50	1.75
Souza 2002	Brazil	>18	1980-1984	2.0 ^c	1.5	Not reported
			1985-1989	2.8 ^c	3.0	
			1990-1994	2.5 ^c	2.4	
			1995-1999	2.2 ^c	3.5	
Buenavida 2011	Uruguay	>14	2007 to 2008	2.25	0.39	Not reported
Appleyard 2004	Puerto Rico	13-85 (39)	1996	1.96	0.49	0.61
			2000	3.32	1.96	2.46
Edwards 2008	Barbados	Not reported	1980-1984	1.30	0.28	Not reported
			1985-1990	1.92	0.64	
			1991-1994	2.30	1.30	
			1995-2000	2.34	0.71	

2000-2004	1.58	0.61
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a: data for any type IBD, c: Retocolitis,

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TABLE 4: Main results of studies including prevalence of inflammatory bowel disease in Latin-America

Author/year	Country	Age Range (Mean)	Dataset year	Prevalence/100000 inhabitants		
				UC	CD	Non-specified IBD
Parente 2015	Brazil	>18	2012	12.8 ^a		
Victoria 2009	Brazil	15-74 (37.95)	1986 - 1990	0.99	0.24	-
			1991-1995	4.77	0.90	-
			1996-2000	11.20	2.32	0.42
			2001-2005	14.81	5.65	2.14
			2002	21.72	11.43	33,23
Vendrell 2013	Puerto Rico	Not specifically reported	2003	20.46	11.96	32.42
			2004	24.33	12.93	37.36
			2005	23.32	14.90	38.22
			2004	12.53	5.89	6.39
Appleyard 2004	Puerto Rico	13-85 (39)	1996-2000	12.53	5.89	6.39
Edwards 2008	Barbados	>18	2004	44.3	16.7	Not reported

a: data for any type IBD

TABLE 5: Main results of studies including mortality of inflammatory bowel disease in Latin America

Author/year	Country	Population	Age Range	Dataset year	Annual mortality rate per million inhabitants	
					UC	CD
Sonnenberg 2007	Argentina	Nationwide	All ages	1991– 2004	0.67	0.29
	Chile			1991– 2003	1.02	0.40
	Mexico			1991– 2004	0.60	0.23

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TABLE 6: Main results of studies including case fatality rate of inflammatory bowel disease in Latin America

Author/year	Country	Population	Age Range (Mean)	Dataset year	Case fatality rate	
					UC	CD
Souza 2002	Brazil	University	20-50	1988-	9/73 [#]	11/102
		Hospital		1999	(12,2%)	(10.8%)
Campos 2013	Brazil	Tertiary care hospital.	Not reported	1984-2007	13/804 (1.6%)	13/804 (1.6%)
Baños 2010	Colombia	Pablo Tobon	2-77	2001-	5/202	6/202
		Uribe Hospital	(38.46)	2009	(2.4%)	(3.0%)
Fragoso Arbelo 2002	Cuba	Centers of pediatric gastroenterology	3 months–19 years	1982-2002	3/73 (4.1%)	1/15 (6.1%)

Rectocolitis

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