

Table 1a: Search methodology including databases used, search terms used and results

Search Number	Search Term	Number Found
MEDLINE		
1	Drown* (no limits)	4803
2	Drown* with limits of English language, human, 1980-2014	2904
3	River* (no limits)	37555
4	Stream* (no limits)	33389
5	Creek* (no limits)	1947
6	Fresh water (no limits)	27018
7	Combined 2-6 OR	92345
8	Combined 7 AND 2	195
SCOPUS		
	TITLE-ABS-KEY (drown*) AND PUBYEAR > 1979 AND PUBYEAR < 2015 AND (TITLE-ABS-KEY (river*) OR TITLE-ABS-KEY (stream*) OR TITLE-ABS-KEY (creek*) OR TITLE-ABS-KEY (fresh water)) AND (LIMIT-TO (DOCTYPE, "ar") OR LIMIT-TO (DOCTYPE, "cp") OR LIMIT-TO (DOCTYPE, "re")) AND (LIMIT-TO(SUBJAREA, "MEDI") OR LIMIT-TO (SUBJAREA, "SOCI") OR LIMIT-TO (SUBJAREA, "NURS") OR LIMIT-TO (SUBJAREA, "PHAR") OR LIMIT-TO (SUBJAREA, "HEAL") OR LIMIT-TO (SUBJAREA, "MULT") OR LIMIT-TO(SUBJAREA, "PSYC"))	376
PSYCHINFO		
	Drown* and river* OR steam* OR creek* OR fresh water (no limits)	1784
	Drown* and river* OR steam* OR creek* OR fresh water (limited to Peer reviewed and 1 January 1980 to 31 December 2014)	1111
	Drown* and river* OR steam* OR creek* OR fresh water (limited to Peer reviewed and 1 January 1980 to 31 December 2014 and human and English language)	942
	OR Drown* AND (river* OR stream* OR creek* OR fresh water)	14
SCIENCEDIRECT		
	pub-date > 1979 and pub-date < 2015 and DROWN* and (RIVER* OR CREEK* OR STREAM* OR FRESH WATER) AND LIMIT-TO(topics, "child, patient, drowning, cardiac arrest, usa, climate change ,post mortem, south china, north atlantic, cpr, emergency medicine, estuary, salt marsh") AND LIMIT-TO(cids, "271258,271105,272873,272201,271781,272396,272456,271861,273471,273323,271742,271759","Forensic Science International, Resuscitation, Annals of Emergency Medicine, Legal Medicine, Marine Geology, Estuarine, Coastal and Shelf Science, The American Journal of Emergency Medicine, Quaternary Science Reviews, Encyclopedia of Forensic and Legal Medicine, Pediatric Clinics of North America, Ecological Engineering, Global and Planetary Change").	159
SPORTSDISCUSS		
	Drown* (TX All Text) AND river* OR stream* OR creek* (TX All Text) limits to (1 Jan 1980 to 31 Dec 2014). Language English. Search modes – BooleanPhrase	50
COCHRANE.ORG		
	The term river was entered which produced 4 papers, of which 1 was deemed relevant	1
SAFETY LIT		
	Textword + synonyms searched using terms Drown* and river* OR creek* OR stream*(limits 1980 to 2014, All publication types, limited to English language)	100

Table S1b: List of References Deemed Relevant to Study Design of Systematic Literature Review (N=29)

	Reference	Reference number in text
1	Ahmed MK, Rahman M, van Ginneken J. Epidemiology of child deaths due to drowning in Matlab, Bangladesh. International Journal of Epidemiology 1999; 28 (2):306-11.	51
2	Brenner RA, Trumble AC, Smith GS, et al. Where Children Drown, United States, 1995. Pediatrics 2001; 108 (1):85-89.	34
3	Byard RW, Lipsett J. Drowning deaths in toddlers and preambulatory children in South Australia. American Journal of Forensic Medicine & Pathology 1999; 20 (4):328-32.	35
4	Cass D, Ross F, Grattan-Smith T. Child drownings: a changing pattern. Medical Journal of Australia 1991; 154 (3):163-5.	36
5	Cass DT, Ross F, Lam LT. Childhood drowning in New South Wales 1990-1995: a population-based study. Medical Journal of Australia 1996; 165 (11-12):610-2.	37
6	Davis S, Ledman J, Kilgore J. Drownings of children and youth in a desert state. Western Journal of Medicine 1985; 143 (2):196-201.	30
7	Dietz PE, Baker SP. Drowning: Epidemiology and prevention. Am J Public Health 1974; 64 (4):303-12.	38
8	Fang Y, Dai L, Jaung MS, et al. Child drowning deaths in Xiamen city and suburbs, People's Republic of China, 2001-5. Injury Prevention 2007; 13 :339-43.	39
9	Fife D, Scipio S, Crane GL. Fatal and nonfatal immersion injuries among New Jersey residents. American Journal of Preventive Medicine 1991; 7 (4):189-93.	40
10	Franklin RC, Mitchell RJ, Driscoll TR, et al. Non-work-related farm fatalities in Australia, 1989-1992. J Agric Saf Health 2001; 7 (4):229-39.	41
11	Franklin RC, Scarr JP, Pearn JH. Reducing drowning deaths: the continued challenge of immersion fatalities in Australia. Medical Journal of Australia 2010; 192 (3):123-6.	4
12	Howland J, Mangione T, Hingson R, et al. A pilot survey of aquatic activities and related consumption of alcohol, with implications for drowning. Public Health Reports 1990; 105 (4):415-9.	52
13	Iqbal A, Shirin T, Ahmed T, et al. Childhood mortality due to drowning in rural Matlab of Bangladesh: magnitude of the problem and proposed solutions. J Health Popul Nutr 2007; 25 (3):370-6.	42
14	Kauffman RB. The drowning trap: on the Potomac River most people drown well below flood levels. Trends 1992; 29 (1):39-47.	53
15	Kemp A, Sibert JR. Drowning and near drowning in children in the United Kingdom: lessons for prevention. BMJ 1992; 304 (6835):1143-6.	62
16	Kiakalayeh AD, Mohammadi R, Ekman DS, et al. Unintentional drowning in northern Iran: a population-based study. Accid Anal Prev 2008; 40 (6):1977-81	43
17	Lunetta P, Smith GS, Penttilä A, et al. Unintentional drowning in Finland 1970-2000: a population-based study. International Journal of Epidemiology 2004; 33 (5):1053-63.	44
18	Moran K. Jumping to (fatal) conclusions? An analysis of video film on a social networking web site of recreational jumping from height into water. Int J Inj Contr Saf Promot 2014; 21 (1):47-53.	66

19	Nakahara S, Ichikawa M, Wakai S. Drowning deaths among Japanese children aged 1-4 years: different trends due ot different risk reductions. <i>Injury Prevention</i> 2004; 10 (2):125-26.	67
20	Newman LM, Diekema DS, Shubkin CD, et al. Pediatric wilderness recreational deaths in western Washington State. <i>Annals of Emergency Medicine</i> 1998; 32 (6):687-92.	45
21	Nixon J, Pearn J, Wilkey I, et al. Fifteen years of child drowning- A 1967-1981 analysis of all fatal cases from the Brisbane drowning study and an 11 year study of consecutive near-drowning cases. <i>Accident Analysis and Prevention</i> 1986; 18 (3):199-203.	5
22	O'Hare D, Chalmers D, Arnold NA, et al. Mortality and morbidity in white water rafting in New Zealand. <i>Inj Control Saf Promot</i> 2002; 9 (3):193-8.	46
23	Patetta MJ, Biddinger PW. Characteristics of drowning deaths in North Carolina. <i>Public Health Reports</i> 1988; 103 (4):406-11.	47
24	Rahman A, Mashreky SR, Chowdhury SM, et al. Analysis of the childhood fatal drowning situation in Bangladesh: exploring prevention measures for low income countries. <i>Injury Prevention</i> 2009; 15 (2):75-79.	15
25	Riley MD, Larson A, Langford J. Drowning fatalities of children in Tasmania: differences from national data. <i>Aust N Z J Public Health</i> 1996; 20 (5):547-9.	48
26	Sorey WH, Cassidy LD, Crout J, et al. River tree rope swing injuries. <i>Southern Medical Journal</i> 2008; 101 (7):699-702.	54
27	Tan RMK. The epidemiology and prevention of drowning in Singapore. <i>Singapore Medical Journal</i> 2004; 45 (7):324-9.	49
28	Wentworth P, Croal AE, Jentz LA, et al. Water-related deaths in Brant County 1969-1992: A review of fifty-seven cases. <i>J CAN SOC FORENSIC SCI</i> 1993; 26 (1):1-18.	50
29	Wintemute GJ, Anton A, Andrada E, et al. Compliance with an ordinance requiring the use of personal flotation devices by children in public waterways. <i>West J Emerg Med</i> 2013; 14 (2):200-03.	65