

TABLE 2. Number of reported foodborne disease outbreaks and outbreak-associated illnesses, by etiology* (confirmed and suspected) and food commodity ---United States, 2009-2010

Etiology	Outbreaks (Illnesses)														Outbreaks (Illnesses) Attributed to a Single Commodity	Outbreaks (Illnesses) Attributed to Food Vehicle Containing > 1 Commodity	Outbreaks (Illnesses) Attributed to Unknown Commodity	Total Outbreaks (Illnesses)						
	Plants																							
	Produce																							
	Vegetables																							
	Grains-Beans	Oils-Sugars	Fruits-Nuts	Fungi	Leafy	Root	Sprout	Vine-stalk																
Chemical and toxin																								
Scombroid toxin / Histamine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	(55)	4	(13)	2	(8)	18	(76)		
Ciguatoxin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	(49)	0	0	3	(12)	15	(61)		
Other chemical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(2)	1	(6)	1	(3)	3	(11)		
Mycotoxins	0	0	0	0	0	1	(6)	0	0	0	0	0	0	0	1	(6)	1	(2)	0	0	2	(8)		
Paralytic shellfish poison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(3)	0	0	0	0	1	(3)		
Pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	(42)	0	0	2	(42)		
Plant/herbal toxins	0	0	0	0	0	1	(6)	0	0	0	0	0	0	0	1	(6)	0	0	0	0	1	(6)		
Other natural toxins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(2)	0	0	0	0	1	(2)		
Chemical and toxin total	0	0	0	0	0	2	(12)	0	0	0	0	0	0	0	29	(123)	8	(63)	6	(23)	43	(209)		
Parasitic																								
<i>Cyclospora</i>	0	0	0	0	1	(8)	0	0	0	0	0	0	0	0	1	(8)	0	0	0	0	1	(8)		
<i>Giardia lamblia</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	(5)	1	(5)		
Parasitic Total	0	0	0	0	1	(8)	0	0	0	0	0	0	0	0	1	(8)	0	0	1	(5)	2	(13)		
Bacterial total	9	(290)	0	0	8	(213)	0	0	8	(267)	2	(50)	8	(493)	9	(449)	178	(6199)	110	(3183)	192	(3745)	480	(13127)
Viral total	1	(8)	1	(30)	9	(250)	1	(10)	11	(263)	1	(31)	0	0	2	(13)	41	(783)	136	(3256)	320	(5786)	497	(9825)
Known Etiology***	10	(298)	1	(30)	18	(471)	3	(22)	19	(530)	3	(81)	8	(493)	11	(462)	249	(7113)	254	(6502)	519	(9559)	1022	(23174)
Unknown Etiology†††	4	(41)	0	0	0	0	0	2	(55)	3	(77)	1	(4)	1	(5)	41	(815)	74	(982)	360	(3657)	475	(5454)	
Multiple Etiologies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	(264)	8	(232)	13	(320)	30	(816)		
Total	14	(339)	1	(30)	18	(471)	3	(22)	21	(585)	6	(158)	9	(497)	12	(467)	299	(8192)	336	(7716)	892	(13536)	1527	(29444)

* If at least one etiology was laboratory-confirmed, the outbreak was considered to have a confirmed etiology. If no etiology was lab-confirmed, but an etiology was reported based on clinical or epidemiologic features, the outbreak was considered to have a suspected etiology.

§ *Salmonella* serotypes causing more than five outbreaks are Enteritidis (76 outbreaks), Newport (29), Typhimurium (27), Heidelberg (15), Montevideo (9), Javiana (8), Oranienburg (7), Saintpaul (6) and Infantis (6).

¶ STEC O111 (1 confirmed outbreak), STEC O121:H19 (1 confirmed outbreak), O145 (1 confirmed outbreak), STEC O157:H7 (53 confirmed outbreaks), O26 (1 confirmed outbreak), O26:H11 (1 confirmed outbreak)

** *Campylobacter jejuni* (31 confirmed outbreaks, 4 suspected outbreaks), *Campylobacter* unknown (3 confirmed outbreaks, 2 suspected outbreaks)

§§ *Bacillus cereus* (12 confirmed outbreaks, 12 suspected outbreaks), *Bacillus* unknown (1 suspected outbreak)

†† *Staphylococcus aureus* (9 confirmed outbreaks, 10 suspected outbreaks)

§§§ *Shigella sonnei* (8 confirmed outbreaks)

¶¶ *Listeria monocytogenes* (9 confirmed outbreaks)

*** The denominator for the total etiology percentages is the Known Etiology total. The denominator for the Known Etiology, Unknown Etiology, and Multiple Etiologies percentages is the Total.

††† An etiologic agent was not confirmed or suspected based on clinical, laboratory, or epidemiologic information.

§§§§ Due to rounding, numbers may not add up to the etiology category total or the known etiology total.