

TABLE 3. Number of reported foodborne disease outbreaks and outbreak-associated illnesses, by etiology (confirmed and suspected) and place where food was eaten\* ---United States, 2009-2010

Etiology	Outbreaks and Illnesses Attributed to a Single Consumption Location																				
	Banquet Facility (food prepared and served on-site)		Camp		Caterer (food prepared off-site from where server)		Child day care center		Church, temple, religious location		Fair, festival, other temp or mobile services		Total Outbreaks and illnesses attributed to a single consumption location		Total Outbreaks and illnesses attributed to multiple consumption locations		Total Outbreaks and illnesses attributed to a consumption location not known or reported		Total outbreaks and illnesses		
	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	
<b>Bacterial</b>																					
<i>Salmonella</i> <sup>§</sup>	5	223	3	209	3	42	1	25	8	126	7	127	155	2973	20	2669	68	1447	243	7089	
<i>Clostridium perfringens</i>	3	154	1	54	4	462	0	0	1	135	0	0	47	1863	3	99	7	1263	57	3225	
<i>Escherichia coli</i> , Shiga toxin-producing¶	0	0	1	2	0	0	1	3	0	0	1	6	42	449	7	80	11	122	60	651	
<i>Campylobacter</i> **	1	68	0	0	0	0	0	0	0	0	0	0	33	445	1	17	6	138	40	600	
<i>Bacillus</i> <sup>§§</sup>	2	35	0	0	0	0	0	0	0	0	0	0	22	394	2	23	1	10	25	427	
<i>Staphylococcus enterotoxin</i> ††	1	67	0	0	0	0	0	0	2	39	0	0	18	213	0	0	1	39	19	252	
<i>Shigella</i> <sup>§§§</sup>	0	0	0	0	0	0	0	0	0	0	0	0	6	154	2	354	0	0	8	508	
<i>Clostridium botulinum</i>	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	1	2	3	6	
Other bacterial	0	0	0	0	0	0	0	0	0	0	0	0	1	167	0	0	1	7	2	174	
<i>Listeria</i> <sup>¶¶</sup>	0	0	0	0	0	0	0	0	0	0	0	0	8	39	0	0	1	10	9	49	
<i>Vibrio parahaemolyticus</i>	0	0	0	0	0	0	0	0	0	0	0	0	6	30	0	0	1	3	7	33	
<i>Vibrio</i> other	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	1	4	
<i>Enterococcus faecalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	13	0	0	0	0	1	13	
<i>Escherichia coli</i> , Enteropathogenic	0	0	0	0	0	0	0	0	0	0	0	0	1	7	0	0	0	0	1	7	
<i>Escherichia coli</i> , Enterotoxigenic	1	19	0	0	0	0	0	0	0	0	0	0	1	19	1	58	1	8	3	85	
<i>Brucella</i> sp	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	1	4	
<b>Bacterial Total</b>	<b>13</b>	<b>566</b>	<b>5</b>	<b>265</b>	<b>7</b>	<b>504</b>	<b>2</b>	<b>28</b>	<b>11</b>	<b>300</b>	<b>8</b>	<b>133</b>	<b>345</b>	<b>6778</b>	<b>36</b>	<b>3300</b>	<b>99</b>	<b>3049</b>	<b>480</b>	<b>13127</b>	
<b>Chemical and toxin</b>																					
Scombroid toxin / Histamine	0	0	0	0	0	0	0	0	0	0	0	0	12	53	0	0	6	23	18	76	
Ciguatera	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	3	11	0	0	0	0	3	11	
Mycotoxins	0	0	0	0	0	0	0	0	0	0	0	0	2	8	0	0	0	0	2	8	
Paralytic shellfish poison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	3	
Pesticides	0	0	0	0	0	0	0	0	0	0	0	0	2	42	0	0	0	0	2	42	
Plant/Herbal toxins	0	0	0	0	0	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	1	2	0	0	0	0	1	2	
<b>Chemical and toxin Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>171</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>38</b>	<b>43</b>	<b>209</b>	
<b>Parasitic</b>																					
<i>Cyclospora</i>	0	0	0	0	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	1	5	0	0	0	0	1	5	
<b>Parasitic Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>13</b>	
<b>Viral</b>																					
Norovirus	37	1214	4	167	4	132	0	0	13	452	0	0	381	7571	26	953	84	1213	491	9737	
Hepatitis A	0	0	0	0	0	0	0	0	0	0	0	0	4	47	0	0	0	0	4	47	
Rotavirus	0	0	0	0	0	0	0	0	0	0	0	0	1	28	0	0	0	0	1	28	
Other viral	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13	1	13	
<b>Viral Total</b>	<b>37</b>	<b>1214</b>	<b>4</b>	<b>167</b>	<b>4</b>	<b>132</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>452</b>	<b>0</b>	<b>0</b>	<b>386</b>	<b>7646</b>	<b>26</b>	<b>953</b>	<b>85</b>	<b>1226</b>	<b>497</b>	<b>9825</b>	
<b>Known Etiology***</b>	<b>50</b>	<b>1780</b>	<b>9</b>	<b>432</b>	<b>11</b>	<b>636</b>	<b>2</b>	<b>28</b>	<b>24</b>	<b>752</b>	<b>8</b>	<b>133</b>	<b>766</b>	<b>14608</b>	<b>62</b>	<b>4253</b>	<b>194</b>	<b>4313</b>	<b>1022</b>	<b>23174</b>	
<b>Unknown Etiology**</b>	<b>23</b>	<b>673</b>	<b>2</b>	<b>57</b>	<b>4</b>	<b>101</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>62</b>	<b>3</b>	<b>28</b>	<b>310</b>	<b>3442</b>	<b>22</b>	<b>449</b>	<b>143</b>	<b>1563</b>	<b>475</b>	<b>5454</b>	
<b>Multiple Etiologies</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>59</b>	<b>23</b>	<b>681</b>	<b>4</b>	<b>86</b>	<b>3</b>	<b>49</b>	<b>30</b>	<b>816</b>	
<b>Total</b>	<b>73</b>	<b>2453</b>	<b>12</b>	<b>494</b>	<b>17</b>	<b>773</b>	<b>2</b>	<b>28</b>	<b>28</b>	<b>814</b>	<b>12</b>	<b>220</b>	<b>1099</b>	<b>18731</b>	<b>88</b>	<b>4788</b>	<b>340</b>	<b>5925</b>	<b>1527</b>	<b>29444</b>	

\* 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) 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.

TABLE 3. Number of reported foodborne disease outbreaks and outbreak-associated illnesses, by etiology (confirmed and suspected) and place where food was eaten\* ---United States, 2009-2010

Etiology	Outbreaks and Illnesses Attributed to a Single Consumption Location																				
	Grocery store		Hospital		Nursing home, assisted living facility, home care		Other		Picnic		Prison, jail		Total Outbreaks and Illnesses attributed to a single consumption location		Total Outbreaks and Illnesses attributed to multiple consumption locations		attributed to a consumption location not known or reported		Total outbreaks and illnesses		
	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	
<b>Bacterial</b>																					
<i>Salmonella</i> §	0	0	0	0	3	54	7	123	6	99	1	184	155	2973	20	2669	68	1447	243	7089	
<i>Clostridium perfringens</i>	0	0	0	0	0	0	2	47	1	18	4	427	47	1863	3	99	7	1263	57	3225	
<i>Escherichia coli</i> , Shiga toxin-producing¶	1	3	0	0	0	0	1	7	1	3	0	0	42	449	7	80	11	122	60	651	
<i>Campylobacter</i> **	0	0	0	0	0	0	4	28	0	0	1	19	33	445	1	17	6	138	40	600	
<i>Bacillus</i> §§	0	0	0	0	0	0	0	0	0	0	2	112	22	394	2	23	1	10	25	427	
<i>Staphylococcus enterotoxin#</i>	0	0	0	0	0	0	1	21	0	0	0	0	18	213	0	0	1	39	19	252	
<i>Shigella</i> §§§	0	0	0	0	0	0	0	0	0	0	0	0	6	154	2	354	0	0	8	508	
<i>Clostridium botulinum</i>	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	1	2	3	6	
Other bacterial	0	0	0	0	0	0	0	0	0	0	1	167	1	167	0	0	1	7	2	174	
<i>Listeria</i> ¶¶	0	0	1	4	0	0	0	0	0	0	0	0	8	39	0	0	1	10	9	49	
<i>Vibrio parahaemolyticus</i>	0	0	0	0	0	0	0	0	0	0	0	0	6	30	0	0	1	3	7	33	
<i>Vibrio</i> other	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	1	4	
<i>Enterococcus faecalis</i>	0	0	0	0	0	0	1	13	0	0	0	0	1	13	0	0	0	0	1	13	
<i>Escherichia coli</i> , Enteropathogenic	0	0	0	0	0	0	0	0	0	0	0	0	1	7	0	0	0	0	1	7	
<i>Escherichia coli</i> , Enterotoxigenic	0	0	0	0	0	0	0	0	0	0	0	0	1	19	1	58	1	8	3	85	
<i>Brucella</i> sp	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	1	4	
<b>Bacterial Total</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>3</b>	<b>54</b>	<b>16</b>	<b>239</b>	<b>8</b>	<b>120</b>	<b>9</b>	<b>909</b>	<b>345</b>	<b>6778</b>	<b>36</b>	<b>3300</b>	<b>99</b>	<b>3049</b>	<b>480</b>	<b>13127</b>	
<b>Chemical and toxin</b>																					
Scombrotoxin / Histamine	0	0	0	0	0	0	0	0	0	0	1	13	12	53	0	0	6	23	18	76	
Ciguatera	0	0	0	0	0	0	1	2	0	0	1	2	12	49	0	0	3	12	15	61	
Other chemical	0	0	0	0	0	0	0	0	0	0	0	0	3	11	0	0	0	0	3	11	
Mycotoxins	0	0	0	0	0	0	1	2	0	0	0	0	2	8	0	0	0	0	2	8	
Paralytic shellfish poison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	3	
Pesticides	0	0	0	0	0	0	0	0	0	0	0	0	2	42	0	0	0	0	2	42	
Plant/Herbal toxins	0	0	0	0	0	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	1	2	0	0	0	0	1	2	
<b>Chemical and toxin Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>15</b>	<b>33</b>	<b>171</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>38</b>	<b>43</b>	<b>209</b>	
<b>Parasitic</b>																					
<i>Cyclospora</i>	0	0	0	0	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	1	5	0	0	0	0	1	5	
<b>Parasitic Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>13</b>	
<b>Viral</b>																					
Norovirus	0	0	0	0	4	137	21	739	4	80	1	23	381	7571	26	953	84	1213	491	9737	
Hepatitis A	0	0	0	0	0	0	0	0	0	0	0	0	4	47	0	0	0	0	4	47	
Rotavirus	0	0	0	0	0	0	0	0	0	0	0	0	1	28	0	0	0	0	1	28	
Other viral	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13	1	13	
<b>Viral Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>137</b>	<b>21</b>	<b>739</b>	<b>4</b>	<b>80</b>	<b>1</b>	<b>23</b>	<b>386</b>	<b>7646</b>	<b>26</b>	<b>953</b>	<b>85</b>	<b>1226</b>	<b>497</b>	<b>9825</b>	
<b>Known Etiology***</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>191</b>	<b>39</b>	<b>982</b>	<b>12</b>	<b>200</b>	<b>12</b>	<b>947</b>	<b>766</b>	<b>14608</b>	<b>62</b>	<b>4253</b>	<b>194</b>	<b>4313</b>	<b>1022</b>	<b>23174</b>	
<b>Unknown Etiology***</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>35</b>	<b>16</b>	<b>205</b>	<b>4</b>	<b>59</b>	<b>4</b>	<b>228</b>	<b>310</b>	<b>3442</b>	<b>22</b>	<b>449</b>	<b>143</b>	<b>1563</b>	<b>475</b>	<b>5454</b>	
<b>Multiple Etiologies</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>103</b>	<b>23</b>	<b>681</b>	<b>4</b>	<b>86</b>	<b>3</b>	<b>49</b>	<b>30</b>	<b>816</b>	
<b>Total</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>226</b>	<b>56</b>	<b>1196</b>	<b>16</b>	<b>259</b>	<b>19</b>	<b>1278</b>	<b>1099</b>	<b>18731</b>	<b>88</b>	<b>4788</b>	<b>340</b>	<b>5925</b>	<b>1527</b>	<b>29444</b>	

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§ *Salmonella* serotypes causing more than five outbreaks are Enteritidis (76 outbreaks), Newport (29), Typhimurium (27), Heidelberg (15), Montevideo (9), Javiana (8) 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)

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TABLE 3. Number of reported foodborne disease outbreaks and outbreak-associated illnesses, by etiology (confirmed and suspected) and place where food was eaten\* --United States, 2009-2010

Etiology	Outbreaks and Illnesses Attributed to a Single Consumption Location																					
	Private Home		Restaurant - "Fast-food" (drive up service or pay a		Restaurant - other or unknown type		Restaurant - Sit-down dining		School		Workplace cafeteria		Workplace, not cafeteria		Total Outbreaks and Illnesses attributed to a single consumption location		Total Outbreaks and Illnesses attributed to multiple consumption locations		Total Outbreaks and Illnesses attributed to a consumption location not known or reported		Total outbreaks and illnesses	
	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses	Outbreaks	Illnesses
<b>Bacterial</b>																						
<i>Salmonella</i> <sup>§</sup>	48	780	6	131	2	30	47	686	4	97	0	0	4	37	155	2973	20	2669	68	1447	243	7089
<i>Clostridium perfringens</i>	6	88	0	0	0	0	15	223	1	23	1	13	8	219	47	1863	3	99	7	1263	57	3225
<i>Escherichia coli</i> , Shiga toxin-producing¶	24	298	3	41	0	0	8	26	0	0	1	60	0	0	42	449	7	80	11	122	60	651
<i>Campylobacter</i> **	15	264	0	0	2	16	7	31	1	5	0	0	2	14	33	445	1	17	6	138	40	600
<i>Bacillus</i> <sup>§§</sup>	2	7	0	0	0	0	12	75	2	147	0	0	2	18	22	394	2	23	1	10	25	427
<i>Staphylococcus enterotoxin††</i>	5	39	0	0	1	10	8	37	0	0	0	0	0	0	18	213	0	0	1	39	19	252
<i>Shigella</i> <sup>§§§</sup>	1	13	1	2	0	0	4	139	0	0	0	0	0	0	6	154	2	354	0	0	8	508
<i>Clostridium botulinum</i>	2	4	0	0	0	0	0	0	0	0	0	0	0	0	2	4	0	0	1	2	3	6
Other bacterial	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	167	0	0	1	7	2	174
<i>Listeria</i> <sup>¶¶</sup>	7	35	0	0	0	0	0	0	0	0	0	0	0	0	8	39	0	0	1	10	9	49
<i>Vibrio parahaemolyticus</i>	0	0	0	0	0	0	6	30	0	0	0	0	0	0	6	30	0	0	1	3	7	33
<i>Vibrio</i> other	1	4	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	1	4
<i>Enterococcus faecalis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13	0	0	0	0	1	13
<i>Escherichia coli</i> , Enteropathogenic	0	0	0	0	0	0	1	7	0	0	0	0	0	0	1	7	0	0	0	0	1	7
<i>Escherichia coli</i> , Enterotoxigenic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19	1	58	1	8	3	85
<i>Brucella</i> sp	1	4	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0	1	4
<b>Bacterial Total</b>	<b>112</b>	<b>1536</b>	<b>10</b>	<b>174</b>	<b>5</b>	<b>56</b>	<b>108</b>	<b>1254</b>	<b>8</b>	<b>272</b>	<b>2</b>	<b>73</b>	<b>16</b>	<b>288</b>	<b>345</b>	<b>6778</b>	<b>36</b>	<b>3300</b>	<b>99</b>	<b>3049</b>	<b>480</b>	<b>13127</b>
<b>Chemical and toxin</b>																						
Scombrotoxin / Histamine	3	9	2	4	0	0	2	6	0	0	1	3	3	18	12	53	0	0	6	23	18	76
Ciguatera	8	37	0	0	0	0	2	8	0	0	0	0	0	0	12	49	0	0	3	12	15	61
Other chemical	1	2	0	0	0	0	1	3	0	0	0	0	1	6	3	11	0	0	0	0	3	11
Mycotoxins	0	0	0	0	0	0	1	6	0	0	0	0	0	0	2	8	0	0	0	0	2	8
Paralytic shellfish poison	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	3
Pesticides	1	3	0	0	0	0	1	39	0	0	0	0	0	0	2	42	0	0	0	0	2	42
Plant/Herbal toxins	1	6	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	1	6
Other natural toxins	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	1	2
<b>Chemical and toxin Total</b>	<b>15</b>	<b>59</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>62</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>24</b>	<b>33</b>	<b>171</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>38</b>	<b>43</b>	<b>209</b>
<b>Parasitic</b>																						
<i>Cyclospora</i>	1	8	0	0	0	0	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	1	5	0	0	0	0	0	0	1	5	0	0	0	0	1	5
<b>Parasitic Total</b>	<b>1</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>13</b>
<b>Viral</b>																						
Norovirus	30	414	23	164	10	151	183	2437	14	789	4	98	29	574	381	7571	26	953	84	1213	491	9737
Hepatitis A	1	5	3	42	0	0	0	0	0	0	0	0	0	0	4	47	0	0	0	0	4	47
Rotavirus	0	0	0	0	0	0	0	0	1	28	0	0	0	0	1	28	0	0	0	0	1	28
Other viral	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	13	1	13
<b>Viral Total</b>	<b>31</b>	<b>419</b>	<b>26</b>	<b>206</b>	<b>10</b>	<b>151</b>	<b>183</b>	<b>2437</b>	<b>15</b>	<b>817</b>	<b>4</b>	<b>98</b>	<b>29</b>	<b>574</b>	<b>386</b>	<b>7646</b>	<b>26</b>	<b>953</b>	<b>85</b>	<b>1226</b>	<b>497</b>	<b>9825</b>
<b>Known Etiology***</b>	159	2022	38	384	15	207	299	3758	23	1089	7	174	49	886	766	14608	62	4253	194	4313	1022	23174
<b>Unknown Etiology**</b>	41	308	17	86	18	109	133	791	11	271	0	0	29	429	310	3442	22	449	143	1563	475	5454
<b>Multiple Etiologies</b>	5	58	1	155	0	0	3	34	3	117	0	0	3	105	23	681	4	86	3	49	30	816
<b>Total</b>	<b>205</b>	<b>2388</b>	<b>56</b>	<b>625</b>	<b>33</b>	<b>316</b>	<b>435</b>	<b>4583</b>	<b>37</b>	<b>1477</b>	<b>7</b>	<b>174</b>	<b>81</b>	<b>1420</b>	<b>1099</b>	<b>18731</b>	<b>88</b>	<b>4788</b>	<b>340</b>	<b>5925</b>	<b>1527</b>	<b>29444</b>

\* 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) 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.