

# National Enteric Disease Surveillance: *Shigella* Annual Report, 2010

## Appendices

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### Recommended Citation:

Centers for Disease Control and Prevention (CDC). National *Shigella* Surveillance Annual Report — Appendices, 2010. Atlanta, Georgia: US Department of Health and Human Services, CDC, 2013.

**Appendix 1.** Laboratory-confirmed *Shigella* infections reported to CDC by species, age group and sex, 2010

Serogroup	Age Group	Sex			Total
		Female	Male	Unknown	
All <i>Shigella</i>	< 1 Year	75	87	11	173
	1 to 4 Years	1307	1346	105	2758
	5 to 9 Years	1105	1047	71	2223
	10 to 19 Years	443	371	29	843
	20 to 29 Years	551	325	28	904
	30 to 39 Years	389	268	21	678
	40 to 49 Years	209	277	26	512
	50 to 59 Years	206	169	13	388
	60 to 69 Years	102	108	8	218
	70 to 79 Years	53	42	4	99
	80+ Years	33	22	1	56
	Unknown Age	49	32	29	110
	<b>Total</b>		<b>4522</b>	<b>4094</b>	<b>346</b>
<i>S. boydii</i>	< 1 Year	1			1
	1 to 4 Years	7	5	1	13
	5 to 9 Years	3	2		5
	10 to 19 Years	9	7		16
	20 to 29 Years	5	4		9
	30 to 39 Years	2	2		4
	40 to 49 Years	5	4		9
	50 to 59 Years	2	3		5
	60 to 69 Years	1	2		3
	70 to 79 Years	2	2		4
	80+ Years	2			2
	Unknown Age	1	1		2
	<b>Total</b>		<b>40</b>	<b>32</b>	<b>1</b>
<i>S. dysenteriae</i>	1 to 4 Years	3	3	1	7
	5 to 9 Years	3	2		5
	10 to 19 Years	1	2		3
	20 to 29 Years	2	2		4
	30 to 39 Years	2	1		3
	40 to 49 Years		1		1
	50 to 59 Years	1	3	1	5
	60 to 69 Years	2	1		3
	70 to 79 Years	2			2
	80+ Years	1			1
	<b>Total</b>		<b>17</b>	<b>15</b>	<b>2</b>

**Appendix 1.** Laboratory-confirmed *Shigella* infections reported to CDC by species, age group and sex, 2010

Serogroup	Age Group	Sex			Total
		Female	Male	Unknown	
<i>S. flexneri</i>	< 1 Year	7	15	1	23
	1 to 4 Years	93	92	6	191
	5 to 9 Years	58	63	2	123
	10 to 19 Years	30	35	2	67
	20 to 29 Years	52	130	2	184
	30 to 39 Years	32	97	3	132
	40 to 49 Years	23	110	5	138
	50 to 59 Years	28	56		84
	60 to 69 Years	12	29		41
	70 to 79 Years	8	7	1	16
	80+ Years	2	2	1	5
	Unknown Age	11	7	4	22
	<b>Total</b>		<b>356</b>	<b>643</b>	<b>27</b>
<i>S. sonnei</i>	< 1 Year	59	63	9	131
	1 to 4 Years	1106	1158	93	2357
	5 to 9 Years	963	901	63	1927
	10 to 19 Years	371	295	24	690
	20 to 29 Years	447	164	23	634
	30 to 39 Years	326	152	16	494
	40 to 49 Years	166	136	20	322
	50 to 59 Years	164	92	10	266
	60 to 69 Years	78	58	7	143
	70 to 79 Years	30	27	1	58
	80+ Years	19	13		32
	Unknown Age	32	19	17	68
	<b>Total</b>		<b>3761</b>	<b>3078</b>	<b>283</b>
Unknown	< 1 Year	8	9	1	18
	1 to 4 Years	98	88	4	190
	5 to 9 Years	78	79	6	163
	10 to 19 Years	32	32	3	67
	20 to 29 Years	45	25	3	73
	30 to 39 Years	27	16	2	45
	40 to 49 Years	15	26	1	42
	50 to 59 Years	11	15	2	28
	60 to 69 Years	9	18	1	28
	70 to 79 Years	11	6	2	19
	80+ Years	9	7		16
	Unknown Age	5	5	8	18
	<b>Total</b>		<b>348</b>	<b>326</b>	<b>33</b>

**Appendix 2.** Laboratory-confirmed *Shigella* infections reported to CDC by species and reporting jurisdiction, 2010

Serotype	States																
	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS
<i>boydii</i> 1				1													
<i>boydii</i> 12					1												
<i>boydii</i> 19						1											
<i>boydii</i> 2				7	3												
<i>boydii</i> 4				3		1											
<i>boydii</i> unspecified						4	2						2				
<i>dysenteriae</i> 12					1												
<i>dysenteriae</i> 2				2	1												
<i>dysenteriae</i> 3162-96														1			
<i>dysenteriae</i> unspecified										1	1						
<i>flexneri</i> 1 unspecified					1	10	5					6					
<i>flexneri</i> 1a				5							1						
<i>flexneri</i> 1b				25			1				8					1	
<i>flexneri</i> 2 unspecified		5				13	8					16					
<i>flexneri</i> 2a				13	3						50						
<i>flexneri</i> 2b				2							2						
<i>flexneri</i> 3 unspecified		1				3	7				1	14					
<i>flexneri</i> 3a				16	2						4						
<i>flexneri</i> 3b				9							2						
<i>flexneri</i> 4 unspecified		4				1	1					3					
<i>flexneri</i> 4a				8							31						
<i>flexneri</i> 4c											1						
<i>flexneri</i> 5a					2												
<i>flexneri</i> 6		1		4			3				9						
<i>flexneri</i> 88-893				4	2												
<i>flexneri</i> unspecified			5			2		14	6	2	2		6	4		2	4
<i>flexneri</i> variant x				2													
<i>flexneri</i> variant y				2							1						
<i>sonnei</i>	2	210	53	326	41	57	40	10	32	6	545	22	31	8		7	132
Unknown		1	5		1	3	3	1	1		15			1	279		
<b>Total</b>	<b>2</b>	<b>222</b>	<b>63</b>	<b>429</b>	<b>58</b>	<b>95</b>	<b>70</b>	<b>25</b>	<b>39</b>	<b>9</b>	<b>673</b>	<b>61</b>	<b>39</b>	<b>14</b>	<b>279</b>	<b>10</b>	<b>136</b>

**Appendix 2.** Laboratory-confirmed *Shigella* infections reported to CDC by species  
and reporting jurisdiction, 2010

Serotype	States															
	KY	LA	MA	MD	ME	MI	MN	MO	MS	MT	NC	NE	NH	NJ	NM	NV
<i>boydii</i> 1			1											1		
<i>boydii</i> 10			1													
<i>boydii</i> 12								1								
<i>boydii</i> 14				1		1					1					
<i>boydii</i> 16														2		
<i>boydii</i> 2			3								2					
<i>boydii</i> 20														1		
<i>boydii</i> 4			1												1	
<i>boydii</i> 8			1													
<i>boydii</i> unspecified						2				1	1			1	1	
<i>dysenteriae</i> 12											1					
<i>dysenteriae</i> 2							1				1					
<i>dysenteriae</i> 3							1									
<i>dysenteriae</i> unspecified				1			2									
<i>flexneri</i> 1 unspecified						1		1	3				2	6	2	
<i>flexneri</i> 1a			2			1	1									
<i>flexneri</i> 1b			10			4	2				1				1	2
<i>flexneri</i> 2 unspecified		4			1			4						23		
<i>flexneri</i> 2a		2	26			6	4				6					3
<i>flexneri</i> 2b						3										
<i>flexneri</i> 3 unspecified				5										8	1	
<i>flexneri</i> 3a			10			2	3				2				1	
<i>flexneri</i> 3b			3			2					2				1	
<i>flexneri</i> 4 unspecified		2				22					1			8	1	
<i>flexneri</i> 4a			3			4	1				2					
<i>flexneri</i> 4b											1					
<i>flexneri</i> 5 unspecified				2												
<i>flexneri</i> 6			1			5								3		
<i>flexneri</i> 88-893			1													
<i>flexneri</i> unspecified	1			18	1	1	3		1	4		3	1	4	10	
<i>flexneri</i> variant x			1											2		
<i>flexneri</i> variant y			1			3					2				2	1
<i>sonnei</i>	40	109	106	54	6	178	45	1025	17	1	56	21	6	359	175	24
Unknown				1	6	1	2	45				7		8	8	
<b>Total</b>	<b>41</b>	<b>117</b>	<b>171</b>	<b>82</b>	<b>14</b>	<b>236</b>	<b>65</b>	<b>1076</b>	<b>21</b>	<b>6</b>	<b>79</b>	<b>31</b>	<b>9</b>	<b>426</b>	<b>204</b>	<b>30</b>

**Appendix 2.** Laboratory-confirmed *Shigella* infections reported to CDC by species and reporting jurisdiction, 2010

Serotype	States															
	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV
<i>boydii</i> 2					1									2		
<i>boydii</i> 4					1											
<i>boydii</i> unspecified	6	3		1						8	2					
<i>dysenteriae</i> 12														1		
<i>dysenteriae</i> 3														1		
<i>dysenteriae</i> 7					1											
<i>dysenteriae</i> unspecified	6			1						9						1
<i>flexneri</i> 1 unspecified	3		1		1		2								3	
<i>flexneri</i> 1a														3		
<i>flexneri</i> 1b							1							5		
<i>flexneri</i> 2 unspecified			3		19										4	
<i>flexneri</i> 2a	5													7		
<i>flexneri</i> 2b														3		
<i>flexneri</i> 3 unspecified			2		4										3	
<i>flexneri</i> 3b														4		
<i>flexneri</i> 4 unspecified			2		4									1		
<i>flexneri</i> 4a	1															
<i>flexneri</i> 6					4									1	1	
<i>flexneri</i> unspecified	100	18		20	1	2	8	5	8	79	11	37	1		3	1
<i>flexneri</i> variant y					5									3		
<i>sonnei</i>	232	133	108	30	574	13	40	3	167	1824	34	76		62	44	38
Unknown	11	1		1		1	1		7	263	29					5
<b>Total</b>	<b>364</b>	<b>155</b>	<b>116</b>	<b>53</b>	<b>615</b>	<b>16</b>	<b>52</b>	<b>8</b>	<b>182</b>	<b>2183</b>	<b>76</b>	<b>113</b>	<b>1</b>	<b>93</b>	<b>58</b>	<b>45</b>

**Appendix 3.** Laboratory-confirmed *Shigella* infections reported to CDC by species, serotype and year, 2000–2010

Species	Serotype	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total
<i>S. boydii</i>	<i>boydii 1</i>	13	11	7	10	10	8	9	3	11	5	3	90
	<i>boydii 2</i>	38	26	22	29	20	11	15	14	14	15	18	222
	<i>boydii 3</i>	2	3										5
	<i>boydii 4</i>	15	4	10	9	15	4	3	1	16	7	7	91
	<i>boydii 5</i>	7	2		1	3			2		1		16
	<i>boydii 6</i>	4	1	2									7
	<i>boydii 8</i>	2	2		2	2	1	1	3	1	1	1	16
	<i>boydii 9</i>		1								3		4
	<i>boydii 10</i>		1	2	2	3	2	1		1	2	1	15
	<i>boydii 11</i>	2									1		3
	<i>boydii 12</i>	2	6	2	1	1		2	2	3	1	2	22
	<i>boydii 14</i>	5	3	1	1	3	3	6	7		5	3	37
	<i>boydii 15</i>	2	4		1		2						9
	<i>boydii 16</i>											2	2
	<i>boydii 18</i>			1				2		1	1		5
	<i>boydii 19</i>										2	1	3
	<i>boydii 20</i>					1	1	2		1	3	3	1
<i>boydii unspecified</i>	88	62	57	91	111	91	75	28	32	20	34	689	
	<b>Subtotal</b>	<b>180</b>	<b>126</b>	<b>104</b>	<b>148</b>	<b>169</b>	<b>124</b>	<b>114</b>	<b>61</b>	<b>82</b>	<b>67</b>	<b>73</b>	<b>1248</b>
<i>S. dysenteriae</i>	<i>dysenteriae 1</i>	9	1	1	5	4	3	2	3	1			29
	<i>dysenteriae 2</i>	5	8	5	10	4	5	4	4	7	8	5	65
	<i>dysenteriae 3</i>	3	4	1	2	4	4	2	3	1	1	2	27
	<i>dysenteriae 4</i>	3		5	2	1	4	3	1	4	6		29
	<i>dysenteriae 5</i>			1									1
	<i>dysenteriae 6</i>						1				1		2
	<i>dysenteriae 7</i>							1				1	2
	<i>dysenteriae 8</i>			2							1		3
	<i>dysenteriae 9</i>	1	3	3	1						2		10
	<i>dysenteriae 10</i>	1		2									3
	<i>dysenteriae 12</i>					2	1	2		1	1	3	10
	<i>dysenteriae 13</i>							1			1		2
	<i>dysenteriae 14</i>				1								1
	<i>dysenteriae unspecified</i>	35	32	23	22	22	34	31	12	16	18	22	267
	<i>dysenteriae 3162-96</i>						1			2		1	4
		<b>Subtotal</b>	<b>57</b>	<b>48</b>	<b>43</b>	<b>43</b>	<b>37</b>	<b>53</b>	<b>46</b>	<b>23</b>	<b>32</b>	<b>39</b>	<b>34</b>

**Appendix 3.** Laboratory-confirmed *Shigella* infections reported to CDC by species, serotype and year, 2000–2010

Species	Serotype	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total
<i>S. flexneri</i>	<i>flexneri 1 unspecified</i>	145	136	110	100	98	88	102	95	100	62	47	1083
	<i>flexneri 1a</i>	5	11	9	6	1	3	12	13	18	13	13	104
	<i>flexneri 1b</i>	13	19	26	33	27	34	38	55	43	75	61	424
	<i>flexneri 2 unspecified</i>	293	226	183	186	185	109	152	100	174	134	100	1842
	<i>flexneri 2a</i>	100	147	103	95	89	88	107	125	120	176	125	1275
	<i>flexneri 2b</i>	33	17	14	17	10	17	22	24	14	14	14	192
	<i>flexneri 3 unspecified</i>	96	95	70	113	112	53	67	48	63	54	49	820
	<i>flexneri 3a</i>	55	34	51	79	53	31	38	33	17	53	40	484
	<i>flexneri 3b</i>	12	12	16	12	13	17	7	14	13	21	23	160
	<i>flexneri 4 unspecified</i>	72	67	74	61	69	50	54	45	65	60	50	667
	<i>flexneri 4a</i>	35	55	53	49	53	47	37	51	46	55	50	531
	<i>flexneri 4b</i>			5	6		1	5	1		2	1	21
	<i>flexneri 4c</i>				1				1	2	1	1	6
	<i>flexneri 5 unspecified</i>	23	17	9	10	3	2	2	2	3	11	2	84
	<i>flexneri 5a</i>				1	2	1			2	1	2	9
	<i>flexneri 6</i>	68	71	59	58	42	28	61	30	45	25	32	519
	<i>flexneri unspecified</i>	853	738	755	892	814	838	746	344	358	275	388	7001
	<i>flexneri variant x</i>	2	2	4	6	5	1	3	6		7	5	41
	<i>flexneri variant y</i>	16	21	8	15	26	26	22	32	16	35	20	237
<i>flexneri 88-893</i>				5	1	1	1	4	4	3	7	26	
	<b>Subtotal</b>	<b>1821</b>	<b>1668</b>	<b>1549</b>	<b>1745</b>	<b>1603</b>	<b>1435</b>	<b>1476</b>	<b>1023</b>	<b>1103</b>	<b>1077</b>	<b>1026</b>	<b>15526</b>
<i>S. sonnei</i>	<i>sonnei</i>	10803	8193	11201	10621	6433	7809	7471	8519	11273	8175	7122	97620
	<b>Subtotal</b>	<b>10803</b>	<b>8193</b>	<b>11201</b>	<b>10621</b>	<b>6433</b>	<b>7809</b>	<b>7471</b>	<b>8519</b>	<b>11273</b>	<b>8175</b>	<b>7122</b>	<b>97620</b>
Unknown	Unknown	639	564	2171	3394	1101	1082	1228	1370	2315	815	707	15386
	<b>Subtotal</b>	<b>639</b>	<b>564</b>	<b>2171</b>	<b>3394</b>	<b>1101</b>	<b>1082</b>	<b>1228</b>	<b>1370</b>	<b>2315</b>	<b>815</b>	<b>707</b>	<b>15386</b>
<b>Total</b>		<b>13500</b>	<b>10599</b>	<b>15068</b>	<b>15951</b>	<b>9343</b>	<b>10503</b>	<b>10335</b>	<b>10996</b>	<b>14805</b>	<b>10173</b>	<b>8962</b>	<b>130235</b>

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