

Annual Summary

2005

Shigella



Department of Health and Human Services
Centers for Disease Control and Prevention
Coordinating Center for Infectious Diseases
National Center for Zoonotic, Vector-Borne and Enteric Diseases
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TABLE 1**Laboratory confirmed *Shigella* isolates reported to the CDC by Species in 2005**

Rank	Species	Reported	Percent
1	<i>S. sonnei</i>	7795	74.4
2	<i>S. flexneri</i>	1430	13.6
3	<i>S. boydii</i>	124	1.2
4	<i>S. dysenteriae</i>	53	0.5
	Sub Total	9402	89.7
	Unknown	1082	10.3
	Sub Total	1082	10.3
	Total	10484	100

TABLE 2**Laboratory confirmed *Shigella* isolates reported to the CDC by Serotype in 2005**

Rank	Serotype	Reported	Percent
1	<i>S. sonnei</i>	7795	74.4
2	<i>S. flexneri</i> unspecified	838	8.0
3	<i>S. flexneri</i> 2 unspecified	108	1.0
4	<i>S. boydii</i> unspecified	91	0.9
5	<i>S. flexneri</i> 2a	88	0.8
6	<i>S. flexneri</i> 1 unspecified	86	0.8
7	<i>S. flexneri</i> 3 unspecified	51	0.5
8	<i>S. flexneri</i> 4 unspecified	50	0.5
9	<i>S. flexneri</i> 4a	47	0.5
10	<i>S. dysenteriae</i> unspecified	34	0.3
11	<i>S. flexneri</i> 1b	34	0.3
12	<i>S. flexneri</i> 3a	31	0.3
13	<i>S. flexneri</i> 6	28	0.3
14	<i>S. flexneri</i> variant y	26	0.3
15	<i>S. flexneri</i> 2b	17	0.2
16	<i>S. flexneri</i> 3b	17	0.2
17	<i>S. boydii</i> 2	11	0.1
18	<i>S. boydii</i> 1	8	0.1
19	<i>S. dysenteriae</i> 2	5	0.1
20	<i>S. boydii</i> 4	4	0.0
21	<i>S. dysenteriae</i> 3	4	0.0
22	<i>S. dysenteriae</i> 4	4	0.0
23	<i>S. boydii</i> 14	3	0.0
24	<i>S. dysenteriae</i> 1	3	0.0
25	<i>S. flexneri</i> 1a	3	0.0
26	<i>S. boydii</i> 10	2	0.0
27	<i>S. boydii</i> 15	2	0.0
28	<i>S. boydii</i> 20	2	0.0
29	<i>S. flexneri</i> 5 unspecified	2	0.0
30	<i>S. boydii</i> 8	1	0.0
31	<i>S. dysenteriae</i> 12	1	0.0
32	<i>S. dysenteriae</i> 3162-96	1	0.0
33	<i>S. dysenteriae</i> 6	1	0.0
34	<i>S. flexneri</i> 4b	1	0.0
35	<i>S. flexneri</i> 5a	1	0.0
36	<i>S. flexneri</i> 88-893	1	0.0
37	<i>S. flexneri</i> variant x	1	0.0
	Sub Total	9402	89.7
	Unknown	1082	10.3
	Sub Total	1082	10.3
	Total	10484	100.0

TABLE 3

Laboratory confirmed *Shigella* isolates reported to the CDC by Species, Age Group and Sex, 2005

Species	Age Group	Sex			Total
		Female	Male	Unknown	
All <i>Shigella</i>	< 1 Year	89	80	15	184
	1 to 4 Years	1436	1380	142	2958
	5 to 9 Years	1303	1197	100	2600
	10 to 19 Years	499	461	34	994
	20 to 29 Years	619	295	55	969
	30 to 39 Years	435	381	29	845
	40 to 49 Years	262	289	11	562
	50 to 59 Years	214	179	22	415
	60 to 69 Years	110	102	7	219
	70 to 79 Years	58	51	1	110
	80+ Years	25	17	4	46
	Unknown Age	121	137	324	582
	Total		5171	4569	744
<i>S. boydii</i>	< 1 Year	2	2	2	6
	1 to 4 Years	9	12		21
	5 to 9 Years	10	3	2	15
	10 to 19 Years	5	5	2	12
	20 to 29 Years	7			7
	30 to 39 Years	9	11	2	22
	40 to 49 Years	5	3	1	9
	50 to 59 Years	1	7		8
	60 to 69 Years	5	4	1	10
	70 to 79 Years	3	1		4
	80+ Years	1			1
	Unknown Age	2	5	2	9
	Total		59	53	12
<i>S. dysenteriae</i>	1 to 4 Years	4	5	1	10
	5 to 9 Years	3	3		6
	10 to 19 Years	4	3		7
	20 to 29 Years	5	4		9
	30 to 39 Years	6	1		7
	40 to 49 Years	4	1		5
	50 to 59 Years	3			3
	60 to 69 Years	1			1
	70 to 79 Years		1		1
	80+ Years	1			1
	Unknown Age	1	1	1	3
Total		32	19	2	53
<i>S. flexneri</i>	< 1 Year	16	5	1	22
	1 to 4 Years	138	175	15	328
	5 to 9 Years	98	94	5	197
	10 to 19 Years	50	58	3	111
	20 to 29 Years	67	90	16	173
	30 to 39 Years	56	122	3	181
	40 to 49 Years	39	109	3	151
50 to 59 Years	36	57	8	101	

TABLE 3

Laboratory confirmed *Shigella* isolates reported to the CDC by Species, Age Group and Sex, 2005

		Sex			
Species	Age Group	Female	Male	Unknown	Total
	60 to 69 Years	20	25	3	48
	70 to 79 Years	8	10		18
	80+ Years	3	4	2	9
	Unknown Age	17	20	54	91
	Total	548	769	113	1430
<i>S. sonnei</i>	< 1 Year	64	66	12	142
	1 to 4 Years	1150	1061	120	2331
	5 to 9 Years	1062	971	79	2112
	10 to 19 Years	378	323	27	728
	20 to 29 Years	470	160	35	665
	30 to 39 Years	329	194	22	545
	40 to 49 Years	192	153	7	352
	50 to 59 Years	148	101	14	263
	60 to 69 Years	73	57	3	133
	70 to 79 Years	38	31	1	70
	80+ Years	19	12	2	33
	Unknown Age	79	84	258	421
	Total	4002	3213	580	7795
Unknown	< 1 Year	7	7		14
	1 to 4 Years	135	127	6	268
	5 to 9 Years	130	126	14	270
	10 to 19 Years	62	72	2	136
	20 to 29 Years	70	41	4	115
	30 to 39 Years	35	53	2	90
	40 to 49 Years	22	23		45
	50 to 59 Years	26	14		40
	60 to 69 Years	11	16		27
	70 to 79 Years	9	8		17
	80+ Years	1	1		2
	Unknown Age	22	27	9	58
	Total	530	515	37	1082

TABLE 5

Laboratory confirmed *Shigella* isolates reported to the CDC by Species and Year for 1991-2005

Species	Year															Total
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
<i>S. boydii</i>	312	224	221	207	229	275	253	208	158	180	126	104	148	169	124	2938
<i>S. dysenteriae</i>	145	126	105	94	90	103	79	87	49	57	48	43	43	37	53	1159
<i>S. flexneri</i>	3712	3250	3061	3101	3019	2704	2573	2207	2025	1821	1668	1549	1745	1603	1430	35468
<i>S. sonnei</i>	10734	10106	14339	12446	14811	10262	8807	9387	7366	10803	8193	11201	10621	6433	7795	153304
Unknown	1602	1217	1785	2935	1181	727	602	596	489	639	564	2171	3394	1101	1082	20085
Total	16505	14923	19511	18783	19330	14071	12314	12485	10087	13500	10599	15068	15951	9343	10484	212954

FIGURE 2

Laboratory confirmed *Shigella* isolates reported to CDC by Species and Year for 1991-2005

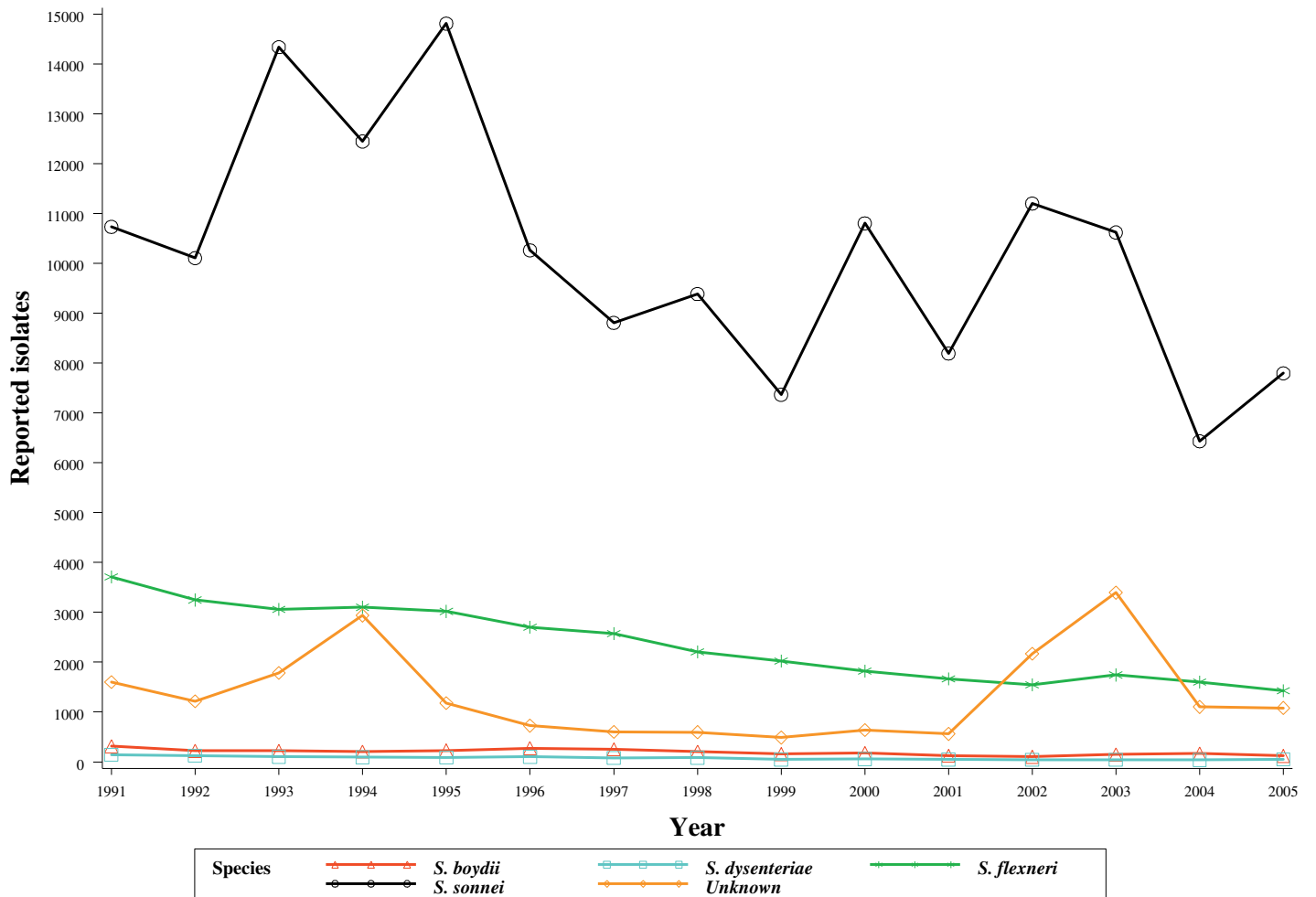


TABLE 6

Laboratory confirmed *Shigella* isolates reported to the CDC by Species, Serotype and Year for 1991-2005

Species	Serotype	Year															Total
		1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
	<i>flexneri</i> 4 unspecified	120	126	91	116	139	124	108	116	75	72	67	74	61	69	50	1408
	<i>flexneri</i> 4a	8	11	19	7	12	17	13	13	34	35	55	53	49	53	47	426
	<i>flexneri</i> 4b	1	2	2	1		1		4				5	6		1	23
	<i>flexneri</i> 4c													1			1
	<i>flexneri</i> 5 unspecified	16	14	28	43	62	39	47	56	28	23	17	9	10	3	2	397
	<i>flexneri</i> 5a													1	2	1	4
	<i>flexneri</i> 6	92	72	67	141	107	119	118	78	79	68	71	59	58	42	28	1199
	<i>flexneri</i> unspecified	2320	2027	1867	1815	1528	1350	1214	985	916	853	738	755	892	814	838	18912
	<i>flexneri</i> variant x							3	6	2	2	2	4	6	5	1	31
	<i>flexneri</i> variant y					4	2	4	2	15	16	21	8	15	26	26	139
	<i>flexneri</i> 88-893 (Provisional)													5	1	1	7
	Sub Total	3712	3250	3061	3101	3019	2704	2573	2207	2025	1821	1668	1549	1745	1603	1430	35468
<i>S. sonnei</i>	<i>sonnei</i>	10734	10106	14339	12446	14811	10262	8807	9387	7366	10803	8193	11201	10621	6433	7795	153304
	Sub Total	10734	10106	14339	12446	14811	10262	8807	9387	7366	10803	8193	11201	10621	6433	7795	153304
Unknown	Unknown	1602	1217	1785	2935	1181	727	602	596	489	639	564	2171	3394	1101	1082	20085
	Sub Total	1602	1217	1785	2935	1181	727	602	596	489	639	564	2171	3394	1101	1082	20085
	Total	16505	14923	19511	18783	19330	14071	12314	12485	10087	13500	10599	15068	15951	9343	10484	212954

