

**Supplement to Systematic Review of Hospital Treatment Outcomes for Naturally Acquired and Bioterrorism-Related Anthrax, 1880-2018**

By Person MK et al.

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**Supplementary Table 1. Line List of Patients Hospitalized for Anthrax, 1880-2018**

Case No.	Year of Publication						Age	Sex	Route	Systemic <sup>a</sup>	Meningitis	Pretreated <sup>b</sup>	No Treatment <sup>c</sup>	No. of classes <sup>d</sup>	Drug Class <sup>d</sup>	Antitoxin/				Died <sup>e</sup>	LOS <sup>e</sup>	
	1	2	3	4	5	6										Antiserum <sup>e</sup>	Steroids	Mannitol	Intrathecal			
1 [1]	1880	...	...	...	...	...	23	M	inhal	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	2	...	
2 [1]	1880	...	...	...	...	...	27	M	inhal	Yes	Yes	No	Yes	...	...	...	No	No	No	2	...	
3 [1]	1880	...	...	...	...	...	37	M	inhal	Yes	No	No	Yes	...	...	...	No	No	No	3	...	
4 [1]	1880	...	...	...	...	...	58	M	inhal	Yes	No	No	Yes	...	...	...	No	No	No	2	...	
5 [1]	1880	...	...	...	...	...	adult	M	inhal	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	5	...	
6 [2]	1881	...	...	...	...	...	15	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	...	
7 [2]	1881	...	...	...	...	...	63	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	4	...	
8 [3]	1883	...	...	...	...	...	43	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	30	
9 [4]	1893	...	...	...	...	...	48	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	3	3	
10 [5]	1901	...	...	...	...	...	16	F	inhal	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	...	
11 [6]	1901	...	...	...	...	...	20	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	22	
12 [7]	1901	...	...	...	...	...	27	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	3	...	
13 [7]	1901	...	...	...	...	...	29	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	...	
14 [7]	1901	...	...	...	...	...	30	M	cut	...	No	No	Yes	...	...	...	No	No	No	N	...	
15 [8]	1901	...	...	...	...	...	33	M	inhal	Yes	Yes	No	Yes	...	...	...	No	No	No	4	...	
16 [7]	1901	...	...	...	...	...	35	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	3	...	
17 [7]	1901	...	...	...	...	...	48	M	cut	...	No	No	Yes	...	...	...	No	No	No	N	...	
18 [9]	1901	...	...	...	...	...	NR	M	inhal	...	Yes	No	Yes	...	...	...	No	No	No	Y	...	
19 [10]	1902	...	...	...	...	...	42	M	inhal	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	...	
20 [11]	1904	...	...	...	...	...	27	M	cut	Yes	No	No	No	...	...	...	1	No	No	No	N	...
21 [11]	1904	...	...	...	...	...	30	M	cut	Yes	No	No	No	...	...	...	4	No	No	No	N	...
22 [12]	1905	...	...	...	...	...	30	F	cut	Yes	No	No	No	...	...	...	Y	No	No	No	N	...
23 [13]	1905	...	...	...	...	...	31	M	cut	Yes	No	No	No	...	...	...	1	No	No	No	N	22
24 [14]	1905	...	...	...	...	...	35	F	cut	...	No	No	No	...	...	...	1	No	No	No	N	8
25 [15,16]	1905	1906	...	...	...	...	36	M	inhal	Yes	Yes	No	Yes	...	...	...	No	No	No	2	0.7	
26 [12]	1905	...	...	...	...	...	60	M	cut	Yes	Yes	No	No	...	...	...	3	No	No	No	6	...
27 [17]	1906	...	...	...	...	...	adult	M	cut	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	3	3	
28 [18]	1908	...	...	...	...	...	19	F	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	2	2	
29 [19]	1908	...	...	...	...	...	30	M	NP	Yes	No	No	Yes	...	...	...	No	No	No	N	...	
30 [20]	1909	...	...	...	...	...	13	M	cut	Yes	No	No	No	...	...	...	1	No	No	No	N	11
31 [20]	1909	...	...	...	...	...	18	M	cut	Yes	No	No	No	...	...	...	2	No	No	No	6	6
32 [20]	1909	...	...	...	...	...	23	M	cut	Yes	No	No	No	...	...	...	1	No	No	No	N	94
33 [21]	1909	...	...	...	...	...	29	F	inhal	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	Y	...	
34 [20]	1909	...	...	...	...	...	32	F	cut	Yes	No	No	No	...	...	...	1	No	No	No	N	13
35 [21]	1909	...	...	...	...	...	42	M	inhal	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	Y	...	
36 [20]	1909	...	...	...	...	...	44	M	cut	Yes	No	No	No	...	...	...	1	No	No	No	N	28
37 [20]	1909	...	...	...	...	...	52	M	cut	Yes	No	No	No	...	...	...	2	No	No	No	N	11
38 [20]	1909	...	...	...	...	...	55	M	cut	...	No	No	No	...	...	...	1	No	No	No	N	15
39 [21]	1909	...	...	...	...	...	56	F	inhal	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	Y	...	
40 [21]	1909	...	...	...	...	...	NR	M	inhal	...	No	No	Yes	...	...	...	No	No	No	Y	...	
41 [21]	1909	...	...	...	...	...	NR	F	inhal	...	No	No	Yes	...	...	...	No	No	No	Y	...	

42 [22]	1910	...	...	...	...	NR	M	inhal	...	No	No	Yes	...	...	...	No	No	No	Y	...
43 [23]	1911	...	...	...	...	53	M	inhal	Yes	No	No	No	...	...	1	No	No	No	N	...
44 [24]	1913	...	...	...	...	19	M	...	Yes	Yes	No	Yes	...	...	...	No	No	No	8	8
45 [24]	1913	...	...	...	...	21	M	...	Yes	Yes	No	Yes	...	...	...	No	No	No	9	8
46 [25]	1917	...	...	...	...	16	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	3	3
47 [26]	1917	...	...	...	...	24	M	cut	...	No	No	Yes	...	...	...	No	No	No	N	...
48 [27]	1917	...	...	...	...	26	M	inhal	Yes	No	No	Yes	...	...	...	No	No	No	N	.
49 [25]	1917	...	...	...	...	29	M	...	Yes	Yes	No	Yes	...	...	...	No	No	No	9	9
50 [26,28]	1917 1920	...	...	...	...	31	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	8	8
51 [26]	1917	...	...	...	...	33	M	cut	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	Y	...
52 [25]	1917	...	...	...	...	50	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	2	1
53 [26]	1917	...	...	...	...	50	M	cut	...	No	No	Yes	...	...	...	No	No	No	N	...
54 [26]	1917	...	...	...	...	52	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	Y	...
55 [29]	1917	...	...	...	...	54	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	15
56 [26,28]	1917 1920	...	...	...	...	64	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	4	4
57 [30]	1917	...	...	...	...	adult	M	inhal	Yes	No	No	Yes	...	...	...	No	No	No	7	6.2
58 [31]	1918	...	...	...	...	36	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	...
59 [32]	1918	...	...	...	...	54	M	cut	Yes	No	No	No	...	...	Y	No	No	No	N	...
60 [32]	1918	...	...	...	...	64	M	cut	...	No	No	No	...	...	2	No	No	No	N	...
61 [33]	1918	...	...	...	...	adult	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	2	0.75
62 [33]	1918	...	...	...	...	adult	M	cut	Yes	Yes	No	No	...	...	1	No	No	No	2	0.75
63 [34]	1919	...	...	...	...	19	M	cut	Yes	No	No	No	...	...	2	No	No	No	N	21
64 [35]	1919	...	...	...	...	21	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	26
65 [35]	1919	...	...	...	...	29	M	cut	Yes	No	No	No	...	...	1	No	No	No	5	5
66 [35]	1919	...	...	...	...	30	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	...
67 [36]	1919	...	...	...	...	adult	M	cut	...	No	No	Yes	...	...	...	No	No	No	N	...
68 [36]	1919	...	...	...	...	adult	M	cut	Yes	No	No	No	...	...	67	No	No	No	N	...
69 [36]	1919	...	...	...	...	adult	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	...
70 [37,38]	1920 1923	...	...	...	...	14	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	...
71 [37]	1920	...	...	...	...	15	M	cut	...	No	No	Yes	...	...	...	No	No	No	N	...
72 [37,38]	1920 1923	...	...	...	...	16	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	...
73 [37]	1920	...	...	...	...	16	F	cut	...	No	No	Yes	...	...	...	No	No	No	N	...
74 [37]	1920	...	...	...	...	18	M	cut	...	No	No	No	...	...	1	No	No	No	N	...
75 [37]	1920	...	...	...	...	18	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	7
76 [37]	1920	...	...	...	...	20	M	cut	Yes	No	No	No	...	...	Y	No	No	No	3	...
77 [37,38]	1920 1923	...	...	...	...	21	F	cut	...	No	No	No	...	...	1	No	No	No	N	...
78 [37]	1920	...	...	...	...	24	M	cut	...	No	No	No	...	...	Y	No	No	No	N	...
79 [37]	1920	...	...	...	...	25	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	7
80 [37]	1920	...	...	...	...	29	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	...
81 [37]	1920	...	...	...	...	31	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	...
82 [37]	1920	...	...	...	...	32	M	cut	...	No	No	No	...	...	Y	No	No	No	N	...
83 [37,38]	1920 1923	...	...	...	...	32		cut	Yes	No	No	No	...	...	1	No	No	No	N	...
84 [37]	1920	...	...	...	...	34	M	cut	Yes	No	No	No	...	...	Y	No	No	No	4	4
85 [39]	1920	...	...	...	...	34	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	7
86 [40]	1920	...	...	...	...	36	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	6
87 [41]	1920	...	...	...	...	36	M	inhal	Yes	No	No	No	...	...	2	No	No	No	4	4

88 [37,38]	1920	1923	...	...	...	...	36	cut	...	No	No	No	...	...	1	No	No	No	N	...
89 [37]	1920	...	...	...	...	...	37	M cut	Yes	No	No	No	...	...	1	No	No	No	N	...
90 [37]	1920	...	...	...	...	...	43	M cut	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	3	3
91 [37]	1920	...	...	...	...	...	44	M cut	Yes	No	No	No	...	...	Y	No	No	No	N	...
92 [37]	1920	...	...	...	...	...	45	M cut	Yes	No	No	No	...	...	Y	No	No	No	N	...
93 [37]	1920	...	...	...	...	...	46	M cut	...	No	No	No	...	...	Y	No	No	No	N	...
94 [37]	1920	...	...	...	...	...	47	M cut	Yes	No	No	No	...	...	1	No	No	No	N	14
95 [37]	1920	...	...	...	...	...	48	M cut	Yes	No	No	No	...	...	1	No	No	No	2	2
96 [37]	1920	...	...	...	...	...	48	M cut	Yes	No	No	No	...	...	1	No	No	No	N	...
97 [37]	1920	...	...	...	...	...	57	M cut	Yes <sup>a</sup>	No	No	No	...	...	2	No	No	No	3	...
98 [37]	1920	...	...	...	...	...	59	M cut	Yes <sup>a</sup>	No	No	No	...	...	3	No	No	No	4	4
99 [37]	1920	...	...	...	...	...	63	M cut	Yes	No	No	Yes	...	...	...	No	No	No	N	...
100 [37]	1920	...	...	...	...	...	79	M cut	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	4	...
101 [42]	1921	...	...	...	...	...	NR	...	...	Yes	No	Yes	...	...	...	No	No	No	3	3
102 [43]	1922	...	...	...	...	...	35	M cut	Yes	No	No	No	...	...	1	No	No	No	N	9
103 [44]	1923	...	...	...	...	...	16	F cut	...	No	No	Yes	...	...	.	No	No	No	N	...
104 [38]	1923	...	...	...	...	...	19	cut	...	No	No	No	...	...	1	No	No	No	N	...
105 [38]	1923	...	...	...	...	...	23	cut	...	No	No	No	...	...	1	No	No	No	N	...
106 [38]	1923	...	...	...	...	...	28	cut	Yes	No	No	No	...	...	1	No	No	No	N	6
107 [38]	1923	...	...	...	...	...	30	cut	Yes	No	No	No	...	...	1	No	No	No	4	4
108 [38]	1923	...	...	...	...	...	32	cut	...	No	No	No	...	...	1	No	No	No	N	6
109 [44]	1923	...	...	...	...	...	35	M cut	Yes	No	No	No	...	...	1	No	No	No	N	14
110 [44]	1923	...	...	...	...	...	35	F cut	...	No	No	Yes	...	...	...	No	No	No	N	...
111 [38]	1923	...	...	...	...	...	35	cut	...	No	No	No	...	...	1	No	No	No	N	...
112 [38]	1923	...	...	...	...	...	37	cut	...	No	No	No	...	...	1	No	No	No	N	...
113 [38]	1923	...	...	...	...	...	38	cut	...	No	No	No	...	...	1	No	No	No	N	3
114 [38]	1923	...	...	...	...	...	38	cut	...	No	No	No	...	...	1	No	No	No	N	...
115 [38]	1923	...	...	...	...	...	39	cut	...	No	No	No	...	...	1	No	No	No	N	...
116 [38]	1923	...	...	...	...	...	39	cut	...	No	No	No	...	...	1	No	No	No	N	...
117 [38]	1923	...	...	...	...	...	39	cut	...	No	No	No	...	...	1	No	No	No	N	...
118 [44]	1923	...	...	...	...	...	40	M cut	...	No	No	Yes	...	...	...	No	No	No	N	...
119 [38]	1923	...	...	...	...	...	41	cut	Yes	No	No	No	...	...	1	No	No	No	2	1.5
120 [38]	1923	...	...	...	...	...	47	cut	...	No	No	No	...	...	1	No	No	No	N	...
121 [38]	1923	...	...	...	...	...	49	cut	Yes	No	No	No	...	...	1	No	No	No	N	...
122 [44]	1923	...	...	...	...	...	52	M cut	...	No	No	Yes	...	...	...	No	No	No	N	...
123 [38]	1923	...	...	...	...	...	52	cut	Yes	No	No	Yes	...	...	...	No	No	No	2	1.5
124 [38]	1923	...	...	...	...	...	54	cut	...	No	No	No	...	...	1	No	No	No	N	...
125 [38]	1923	...	...	...	...	...	57	cut	...	No	No	No	...	...	1	No	No	No	N	...
126 [44]	1923	...	...	...	...	...	60	M cut	...	No	No	Yes	...	...	...	No	No	No	N	16
127 [38]	1923	...	...	...	...	...	72	cut	Yes	No	No	No	...	...	1	No	No	No	5	5
128 [45]	1924	...	...	...	...	...	45	F inhal	Yes	No	No	Yes	...	...	...	No	No	No	57	57
129 [46]	1926	...	...	...	...	...	35	M cut	Yes	Yes	No	Yes	...	...	...	No	No	No	2	1.5
130 [47]	1928	...	...	...	...	...	27	M cut	...	No	No	Yes	...	...	...	No	No	No	N	12
131 [48]	1928	...	...	...	...	...	28	M inhal	Yes	No	No	Yes	...	...	...	No	No	No	2	0.2
132 [49]	1928	...	...	...	...	...	46	M cut	Yes	Yes	No	No	...	...	1	No	No	No	4	4
133 [50]	1928	...	...	...	...	...	50	M cut	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	Y	2

134 [47]	1928	...	...	...	...	55	F	cut	Yes	No	No	No	...	...	Y	No	No	No	N	...
135 [51]	1929	...	...	...	...	1.25		cut	Yes	No	No	No	...	...	1	No	No	No	N	...
136 [52]	1929	...	...	...	...	2	F	inhal	Yes	No	No	No	...	...	5	No	No	No	N	12.5
137 [53]	1931	...	...	...	...	17	M	inhal	Yes	No	No	No	...	...	Y	No	No	No	N	...
138 [54]	1932	...	...	...	...	17	M	cut	...	No	No	Yes	...	...	...	No	No	No	N	13
139 [55]	1932	...	...	...	...	24	M	...	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	...
140 [56]	1932	...	...	...	...	63	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	43
141 [57]	1932	...	...	...	...	adult	M	cut	Yes	Yes	No	No	...	...	7	No	No	No	7	7
142 [58]	1935	...	...	...	...	5	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	5	5
143 [58]	1935	...	...	...	...	15	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	9
144 [58]	1935	...	...	...	...	16	F	cut	...	No	No	Yes	...	...	...	No	No	No	N	21
145 [58]	1935	...	...	...	...	17	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	28
146 [58]	1935	...	...	...	...	18	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	28
147 [59]	1935	...	...	...	...	37	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	...
148 [58]	1935	...	...	...	...	50	F	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	26
149 [60]	1939	...	...	...	...	32	F	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	2	1.5
150 [61]	1940	...	...	...	...	17	M	cut	...	No	No	No	...	...	1	No	No	No	N	...
151 [61]	1940	...	...	...	...	adult	M	cut	Yes	No	No	No	...	...	1	No	No	No	N	...
152 [62]	1941	...	...	...	...	53	M	cut	Yes	No	No	No	...	...	2	No	No	No	N	13.5
153 [63]	1942	...	...	...	...	23	F	cut	...	No	No	Yes	...	...	...	No	No	No	N	6
154 [63]	1942	...	...	...	...	25	F	cut	...	No	No	Yes	...	...	...	No	No	No	N	...
155 [63]	1942	...	...	...	...	46	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	9
156 [63]	1942	...	...	...	...	62	M	cut	Yes	No	No	No	...	...	3	No	No	No	N	15
157 [64]	1943	...	...	...	...	71	M	inhal	Yes	No	No	No	...	...	3	No	No	No	4.5	4.5
158 [65]	1944	...	...	...	...	6	M	ingest	...	No	No	Yes	...	...	...	No	No	No	N	21
159 [65]	1944	...	...	...	...	11	M	ingest	...	No	No	Yes	...	...	...	No	No	No	N	5
160 [66]	1944	...	...	...	...	18	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	9
161 [66]	1944	...	...	...	...	34	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
162 [66]	1944	...	...	...	...	34	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	9
163 [67]	1945	...	...	...	...	3	F	cut	...	No	No	Yes	...	...	...	No	No	No	N	13
164 [68]	1945	...	...	...	...	5	F	cut	Yes	No	No	No	1	Bactericidal	3	No	No	No	N	...
165 [69]	1945	...	...	...	...	22	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
166 [67]	1945	...	...	...	...	22	M	cut	...	No	No	Yes	...	...	...	No	No	No	N	...
167 [70]	1945	...	...	...	...	70	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
168 [71]	1945	...	...	...	...	adult	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	16
169 [72]	1947	...	...	...	...	19	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
170 [73]	1947	...	...	...	...	22	M	ingest	Yes	No	No	Yes	...	...	...	No	No	No	2	2
171 [74,75]	1947	1948	...	...	...	57	M	cut	Yes	Yes	No	No	1	Bactericidal	1	No	No	Yes	N	21
172 [76]	1948	...	...	...	...	9	M	cut	Yes	No	No	Yes	...	...	...	No	No	No	N	30
173 [76]	1948	...	...	...	...	13	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	7
174 [77]	1948	...	...	...	...	15	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	10
175 [75]	1948	...	...	...	...	25	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	9
176 [77]	1948	...	...	...	...	27	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
177 [75]	1948	...	...	...	...	28	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	11
178 [77]	1948	...	...	...	...	29	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	8
179 [75]	1948	...	...	...	...	29	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	8

180 [78]	1948	...	...	...	...	30	M	NP	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	2	2
181 [77]	1948	...	...	...	...	31	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	8.5
182 [77]	1948	...	...	...	...	33	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	8
183 [75]	1948	...	...	...	...	33	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	16
184 [75]	1948	...	...	...	...	35	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	15
185 [75]	1948	...	...	...	...	36	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	6
186 [75]	1948	...	...	...	...	38	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	9
187 [75]	1948	...	...	...	...	40	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	7
188 [75]	1948	...	...	...	...	40	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	11
189 [75]	1948	...	...	...	...	48	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	33
190 [75]	1948	...	...	...	...	48	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	8
191 [79]	1948	...	...	...	...	49	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	33
192 [79]	1948	...	...	...	...	51	M	cut	Yes	Yes	No	No	1	Bactericidal	...	No	No	Yes	N	43
193 [75]	1948	...	...	...	...	52	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	12
194 [75]	1948	...	...	...	...	53	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	5
195 [79]	1948	...	...	...	...	58	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	20
196 [75]	1948	...	...	...	...	59	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	11
197 [75]	1948	...	...	...	...	65	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	15
198 [75]	1948	...	...	...	...	69	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	11
199 [80]	1949	...	...	...	...	29		cut	...	No	No	No	1	Bactericidal	1	No	No	No	N	13
200 [80]	1949	...	...	...	...	29		cut	...	No	No	No	1	Bactericidal	1	No	No	No	N	19
201 [80]	1949	...	...	...	...	30		cut	...	No	No	No	1	Bactericidal	1	No	No	No	N	17
202 [81]	1949	...	...	...	...	36	M	cut	Yes	No	Yes	No	...	...	...	No	No	No	N	...
203 [80]	1949	...	...	...	...	42		cut	...	No	No	No	1	Bactericidal	1	No	No	No	N	16
204 [80]	1949	...	...	...	...	48		cut	...	No	No	No	1	Bactericidal	1	No	No	No	N	17
205 [80]	1949	...	...	...	...	49		cut	...	No	No	No	1	Bactericidal	1	No	No	No	N	13
206 [80]	1949	...	...	...	...	50		cut	...	No	No	No	1	Bactericidal	1	No	No	No	N	24
207 [80]	1949	...	...	...	...	53		cut	...	No	No	No	1	Bactericidal	1	No	No	No	N	33
208 [82]	1950	...	...	...	...	27	F	cut	...	No	No	No	1	PSI	...	No	No	No	N	17
209 [82]	1950	...	...	...	...	52	M	cut	...	No	No	No	1	PSI	...	No	No	No	N	14
210 [83]	1951	...	...	...	...	19	M	cut	...	No	No	No	1	PSI	...	No	No	No	N	...
211 [83]	1951	...	...	...	...	23	F	cut	...	No	No	No	1	PSI	...	No	No	No	N	...
212 [83]	1951	...	...	...	...	28	F	cut	Yes	No	No	No	1	PSI	...	No	No	No	N	...
213 [83,84]	1951 1954	...	...	...	...	34	F	cut	...	No	No	No	1	PSI	...	No	No	No	N	6
214 [83]	1951	...	...	...	...	36	M	cut	...	No	No	No	1	PSI	...	No	No	No	N	...
215 [83]	1951	...	...	...	...	41	F	cut	...	No	No	No	...	...	...	No	No	No	N	...
216 [83]	1951	...	...	...	...	45	M	cut	...	No	Yes	No	1	PSI	...	No	No	No	N	...
217 [83]	1951	...	...	...	...	45	F	cut	...	No	No	No	1	PSI	...	No	No	No	N	...
218 [84]	1952	...	...	...	...	0.83		cut	Yes	No	No	No	1	PSI	...	No	No	No	N	...
219 [84]	1952	...	...	...	...	10	M	cut	Yes	No	No	No	1	PSI	...	No	No	No	N	...
220 [84]	1952	...	...	...	...	12	F	cut	Yes	No	No	No	1	PSI	...	No	No	No	N	...
221 [86]	1952	...	...	...	...	29	F	...	Yes	Yes	No	No	1	PSI	...	No	No	No	2	1.5
222 [84]	1952	...	...	...	...	35	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	.
223 [84]	1952	...	...	...	...	55	M	cut	Yes	No	No	No	1	PSI	...	No	No	No	N	12
224 [86]	1952	...	...	...	...	61	M	...	Yes	Yes	Yes	No	...	...	...	No	No	Yes	2	0.5
225 [87]	1953	...	...	...	...	adult	M	cut	Yes	No	Yes	No	...	...	...	No	No	No	N	8

226 [88]	1954	...	...	...	...	30	M	inhal	Yes	Yes	No	No	1	Bactericidal	1	No	No	No	3	3
227 [84]	1954	...	...	...	...	36	F	cut	Yes	No	No	No	1	PSI	...	No	No	No	N	...
228 [89]	1955	...	...	...	...	42	M	inhal	Yes	No	No	Yes	...	...	...	No	No	No	3	2.5
229 [90]	1955	...	...	...	...	adult	M	cut	...	No	No	No	2	Bactericidal	Y	No	No	No	N	...
230 [90]	1955	...	...	...	...	NR	M	cut	...	No	No	No	3+	Both	Y	No	No	No	Y	...
231 [90]	1955	...	...	...	...	NR	M	cut	...	No	No	No	2	Bactericidal	...	No	No	No	N	...
232 [90]	1955	...	...	...	...	NR	M	cut	...	No	No	No	2	Bactericidal	...	No	No	No	N	...
233 [90]	1955	...	...	...	...	NR	M	cut	...	No	No	No	2	Bactericidal	...	No	No	No	N	...
234 [90]	1955	...	...	...	...	NR	M	cut	...	No	No	No	2	Bactericidal	...	No	No	No	N	...
235 [91]	1956	...	...	...	...	adult	M	cut	Yes	No	No	No	3+	Both	...	No	No	No	N	13
236 [92]	1957	...	...	...	...	37	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
237 [93]	1958	...	...	...	...	17	M	cut	Yes	No	No	No	...	...	...	No	No	No	N	...
238 [94]	1960	...	...	...	...	32	F	cut	Yes	Yes	No	No	...	...	Y	No	No	No	2	1.5
239 [95]	1960	...	...	...	...	46	M	inhal	Yes	No	No	No	2	Bactericidal	...	No	No	No	N	122
240 [95,96]	1960	1960	...	...	...	49	M	inhal	Yes	Yes	No	No	2	Bactericidal	...	No	No	No	2	0.5
241 [94]	1960	...	...	...	...	64	M	cut	Yes	Yes	No	No	2	Both	5	No	No	Yes	5	5
242 [95]	1960	...	...	...	...	65	F	inhal	Yes	No	No	No	...	...	...	Yes	No	No	3	3
243 [97]	1964	...	...	...	...	15	M	cut	Yes	No	No	No	1	Bactericidal	...	Yes	No	No	N	27
244 [97]	1964	...	...	...	...	16	M	cut	Yes	No	No	No	1	Bactericidal	...	Yes	No	No	N	25
245 [97]	1964	...	...	...	...	27		cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	19
246 [97]	1964	...	...	...	...	30	M	inhal	Yes	Yes	No	No	3+	Both	...	No	No	No	4	3.2
247 [97]	1964	...	...	...	...	30	F	cut	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	4	4
248 [97]	1964	...	...	...	...	32	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	15
249 [97]	1964	...	...	...	...	33	M	cut	...	No	No	No	2	Both	...	No	No	No	N	23
250 [97]	1964	...	...	...	...	48	M	cut	Yes	No	No	No	2	Bactericidal	...	Yes	No	No	N	22
251 [97]	1964	...	...	...	...	50	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	27
252 [97]	1964	...	...	...	...	50	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	18
253 [97]	1964	...	...	...	...	55	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	14
254 [97]	1964	...	...	...	...	60	M	cut	Yes <sup>a</sup>	No	No	No	1	Bactericidal	...	No	No	No	5	5
255 [97]	1964	...	...	...	...	60	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	14
256 [98]	1966	...	...	...	...	54	F	inhal	Yes	No	Yes	No	...	...	...	No	No	No	2	2
257 [99]	1968	...	...	...	...	60	M	ingest	Yes	No	No	No	2	Bactericidal	...	No	No	No	3	3
258 [100]	1970	...	...	...	...	20	F	ingest	Yes	No	No	No	2	Bactericidal	...	No	No	No	2	1.5
259 [101]	1970	...	...	...	...	22	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
260 [102]	1970	...	...	...	...	NR	M	ingest	...	No	No	No	1	PSI	...	No	No	No	N	...
261 [103]	1972	...	...	...	...	8.5	F	cut	Yes	Yes	No	No	1	PSI	...	Yes	No	No	N	24
262 [104]	1973	...	...	...	...	12	M	cut	Yes	Yes	No	No	2	Bactericidal	...	No	No	No	N	14
263 [105]	1973	...	...	...	...	44	M	...	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	1
264 [104]	1973	...	...	...	...	50	M	cut	Yes	Yes	No	No	...	...	...	No	No	No	4	2
265 [106]	1974	...	...	...	...	68	M	cut	Yes	No	Yes	No	1	Bactericidal	...	Yes	No	No	8	8
266 [107]	1975	...	...	...	...	16	F	inhal	Yes	No	No	No	2	Both	...	No	No	No	3	3
267 [108]	1975	...	...	...	...	36	M	cut	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	2	1.5
268 [109]	1977	...	...	...	...	0.25	M	ingest	Yes	No	No	No	2	Both	...	No	No	No	N	.
269 [110]	1977	...	...	...	...	17	M	ingest	Yes	Yes	No	No		Both	...	No	No	No	N	.
270 [111,112]	1978	1980	...	...	...	32	M	inhal	Yes	Yes	No	No	3+	Both	...	No	No	No	2	2
271 [113]	1979	...	...	...	...	10	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...

272 [113]	1979	...	...	...	...	11	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
273 [113]	1979	...	...	...	...	12	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
274 [113]	1979	...	...	...	...	13	F	cut	Yes	Yes	No	No	1	Bactericidal	...	Yes	No	No	4	4
275 [114]	1980	...	...	...	...	25	M	ingest	Yes	No	No	No	...	...	...	No	No	No	N	21
276 [112]	1980	...	...	...	...	51	F	inhal	Yes	No	No	Yes	...	...	...	No	No	No	2	2
277 [112]	1980	...	...	...	...	53	M	inhal	Yes	No	No	No	1	PSI	...	No	No	No	5	5.2
278 [115]	1981	...	...	...	...	9	F	cut	Yes	Yes	No	No	2	Both	...	No	No	No	4	1
279 [115]	1981	...	...	...	...	56	F	cut	Yes	Yes	No	No	2	Both	...	Yes	No	No	2	1.5
280 [115]	1981	...	...	...	...	58	M	cut	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	4	1
281 [116]	1983	...	...	...	...	45	F	...	Yes	Yes	No	No	2	Both	...	No	No	No	2	2
282 [117]	1983	...	...	...	...	52	M	cut	Yes	No	No	No	1	PSI	...	No	No	No	N	.
283 [118]	1986	...	...	...	...	18	F	ingest	Yes	Yes	No	No	2	Bactericidal	...	No	No	No	2	1.5
284 [118]	1986	...	...	...	...	26	F	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
285 [118]	1986	...	...	...	...	40	F	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
286 [118]	1986	...	...	...	...	46	F	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
287 [119]	1987	...	...	...	...	9	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	10
288 [120]	1989	...	...	...	...	25	M	...	Yes	Yes	No	No	1	Bactericidal	...	Yes	Yes	No	N	56
289 [121]	1990	...	...	...	...	25	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	2
290 [121]	1990	...	...	...	...	40	M	...	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	2
291 [122]	1990	...	...	...	...	42	M	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	Y	...
292 [121]	1990	...	...	...	...	55	F	inject	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	20
293 [123]	1991	...	...	...	...	37	M	inhal	Yes	No	No	No	3+	Both	...	No	No	No	N	.
294 [124]	1991	...	...	...	...	54	F	inhal	Yes	Yes	No	No	2	Both	...	No	No	No	4	4
295 [125]	1992	...	...	...	...	30	M	...	Yes	Yes	No	No	2	Both	...	No	Yes	No	2	2
296 [126]	1992	...	...	...	...	32	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
297 [127]	1992	...	...	...	...	43	M	cut	Yes	No	Yes	No	2	Bactericidal	...	Yes	No	No	N	...
298 [128]	1993	...	...	...	...	6	M	ingest	Yes	Yes	No	No	2	Bactericidal	...	No	No	No	N	14
299 [126]	1993	...	...	...	...	43	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
300 [129]	1993	...	...	...	...	68	F	inhal	Yes <sup>a</sup>	Yes	No	Yes	...	...	...	No	No	No	9	9
301 [130]	1994	...	...	...	...	33	M	inhal	Yes	No	No	No	1	Bactericidal	...	No	No	No	7	7
302 [131]	1994	...	...	...	...	41	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	26
303 [126]	1994	...	...	...	...	45	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
304 [132]	1994	...	...	...	...	55	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
305 [133]	1995	...	...	...	...	13	M	inhal	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	Y	...
306 [134]	1996	...	...	...	...	11	F	ingest	Yes	Yes	No	Yes	...	...	...	No	No	No	2	2
307 [135]	1997	...	...	...	...	4	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	20
308 [136,137]	1997 2002	...	...	...	...	13	M	ingest	Yes	Yes	No	No	...	Both	...	No	Yes	No	5	4
309 [138]	1997	...	...	...	...	39	M	cut	...	No	Yes	No	...	...	...	No	No	No	N	.
310 [139]	1997	...	...	...	...	50	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	14	14
311 [140]	1997	...	...	...	...	57	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	14
312 [141]	1999	...	...	...	...	15	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10.5
313 [142]	1999	...	...	...	...	16	M	cut	Yes	No	No	No	2	Bactericidal	...	Yes	No	No	N	16
314 [141]	1999	...	...	...	...	18	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10.5
315 [141]	1999	...	...	...	...	42	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	6.5
316 [143]	1999	...	...	...	...	49	M	cut	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	7	7
317 [144]	2000	...	...	...	...	0.07	M	cut	Yes	No	Yes	No	2	Bactericidal	...	No	No	No	N	28

318 [145]	2000	...	...	...	...	49	M	inject	Yes	Yes	Yes	No	1	PSI	...	Yes	No	No	4	4
319 [146]	2001	...	...	...	...	0.83	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
320 [147]	2001	...	...	...	...	5	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	14
321 [148]	2001	...	...	...	...	7	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
322 [148]	2001	...	...	...	...	8	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
323 [148]	2001	...	...	...	...	8	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
324 [148]	2001	...	...	...	...	8	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
325 [148]	2001	...	...	...	...	9	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
326 [149]	2001	...	...	...	...	20	F	cut	Yes	No	No	No	...	Both	...	No	No	No	N	14
327 [148]	2001	...	...	...	...	25	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
328 [148]	2001	...	...	...	...	30	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
329 [150,151]	2001 2014	...	...	...	...	35	M	cut	Yes	No	No	No	2	Bactericidal	...	No	No	No	N	...
330 [148]	2001	...	...	...	...	37	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
331 [152,153,154]	2001 2001 2003	...	...	...	...	43	F	inhal	Yes	No	Yes	No	2	PSI	...	No	No	No	N	5
332 [152,155,156]	2001 2001 2002 2003	...	...	...	...	47	M	inhal	Yes	No	No	No	3+	Bactericidal	...	No	No	No	2	0.25
333 [157]	2001	...	...	...	...	53	M	cut	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	6	6
334 [158]	2001	...	...	...	...	54	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
335 [152,159]	2001 2001	...	...	...	...	56	M	inhal	Yes	No	No	No	3+	Both	...	Yes	No	No	N	21
336 [152,159]	2001 2001	...	...	...	...	56	M	inhal	Yes	Yes	No	No	3+	Both	...	Yes	No	No	N	21
337 [152,154]	2001 2003	...	...	...	...	56	F	inhal	Yes	No	No	No	2	Bactericidal	...	No	No	No	N	18
338 [152,153]	2001 2001	...	...	...	...	59	M	inhal	Yes	Yes	No	No	3+	Bactericidal	...	No	No	No	N	16
339 [152,153,160]	2001 2001 2002 2002 2003 2003	...	...	...	...	61	F	inhal	Yes	No	No	No	3+	Both	...	No	No	No	4	4
340 [152,154,161]	2001 2001 2003	...	...	...	...	63	M	inhal	Yes	Yes	No	No	3+	Both	...	No	No	No	3.5	4
341 [157]	2001	...	...	...	...	72	F	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	2	2
342 [152,154]	2001 2003	...	...	...	...	73	M	inhal	Yes	No	No	No	2	Both	...	No	No	No	N	17
343 [154,162,163]	2001 2002 2003	...	...	...	...	94	F	inhal	Yes	No	No	No	3+	Bactericidal	...	Yes	No	No	6	6
344 [164]	2002	...	...	...	...	0.58	M	cut	Yes	No	No	No	1	Bactericidal	...	Yes	No	No	N	15
345 [165]	2002	...	...	...	...	21	F	ingest	Yes	No	No	No	1	PSI	...	No	No	No	2	0.46
346 [137]	2002	...	...	...	...	28	M	cut	...	No	No	No	1	PSI	...	No	No	No	N	10
347 [137]	2002	...	...	...	...	42	M	cut	...	No	Yes	No	1	Bactericidal	...	No	No	No	N	11
348 [166]	2003	...	...	...	...	7	M	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	9
349 [166]	2003	...	...	...	...	15	M	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	10
350 [167]	2003	...	...	...	...	15	M	ingest	Yes	No	No	Yes	...	...	...	No	No	No	3	3
351 [166]	2003	...	...	...	...	17	M	ingest	Yes	No	No	No	2	Bactericidal	...	No	No	No	N	18
352 [166]	2003	...	...	...	...	20	F	ingest	Yes	No	No	Yes	...	...	...	No	No	No	N	12
353 [166]	2003	...	...	...	...	24	M	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	7
354 [168]	2003	...	...	...	...	29	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	7
355 [168]	2003	...	...	...	...	33	F	cut	Yes	No	No	No	1	Bactericidal	...	Yes	No	No	N	...
356 [169]	2003	...	...	...	...	48	M	cut	...	Yes	No	No	1	Bactericidal	...	Yes	No	No	N	14
357 [170]	2005	...	...	...	...	10	M	NP	Yes	No	No	No	2	Bactericidal	...	No	No	No	2	1.4
358 [171]	2005	...	...	...	...	36	M	cut	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	2.5	2.5
359 [172]	2006	...	...	...	...	11	M	cut	Yes	Yes	No	No	1	Bactericidal	...	Yes	No	No	4	3.3
360 [173]	2006	...	...	...	...	12	M	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
361 [174]	2006	...	...	...	...	12	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	2	2
362 [173]	2006	...	...	...	...	14	F	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
363 [175]	2006	...	...	...	...	16	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...

364 [176]	2006	...	...	...	...	25	M	ingest	Yes	No	No	No	...	...	...	No	No	No	N	10
365 [175]	2006	...	...	...	...	26	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
366 [175]	2006	...	...	...	...	27	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
367 [177]	2006	...	...	...	...	31	F	cut	...	No	No	No	3+	Both	...	No	No	No	N	6
368 [175]	2006	...	...	...	...	32	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
369 [175]	2006	...	...	...	...	34	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
370 [173]	2006	...	...	...	...	34	F	ingest	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	3	3
371 [175]	2006	...	...	...	...	35	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
372 [178,179]	2006	2007	...	...	...	44	M	inhal	Yes	No	No	No	3+	Both	8	No	No	No	N	35
373 [175]	2006	...	...	...	...	47	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
374 [175]	2006	...	...	...	...	55	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
375 [175]	2006	...	...	...	...	60	M	cut	...	No	No	No	2	Bactericidal	...	No	No	No	N	...
376 [180]	2007	...	...	...	...	4	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	9	9
377 [181]	2007	...	...	...	...	5	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
378 [182]	2007	...	...	...	...	28	M	cut	...	No	No	No	3+	Bactericidal	...	No	No	No	N	...
379 [182]	2007	...	...	...	...	29	F	cut	...	No	No	No	3+	Bactericidal	...	No	No	No	N	...
380 [182]	2007	...	...	...	...	30	M	cut	...	No	No	No	3+	Bactericidal	...	No	No	No	N	...
381 [182]	2007	...	...	...	...	32	M	cut	...	No	No	No	3+	Bactericidal	...	No	No	No	N	...
382 [182]	2007	...	...	...	...	36	M	cut	...	No	No	No	3+	Bactericidal	...	No	No	No	N	...
383 [182]	2007	...	...	...	...	54	F	cut	...	No	No	No	3+	Bactericidal	...	No	No	No	N	...
384 [183]	2007	...	...	...	...	60	M	cut	...	No	No	No	3+	Both	...	No	No	No	N	14
385 [184]	2007	...	...	...	...	70	M	...	Yes	Yes	No	No	...	Both	...	No	Yes	No	N	10
386 [180]	2007	...	...	...	...	87	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	4	4
387 [185]	2008	...	...	...	...	17	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	.
388 [185]	2008	...	...	...	...	45	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	...
389 [185]	2008	...	...	...	...	52	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	...
390 [186]	2008	...	...	...	...	adult	M	inhal	Yes	No	No	No	1	Bactericidal	7	No	No	No	13	12.5
391 [187]	2009	...	...	...	...	16	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
392 [188]	2009	...	...	...	...	46	F	cut	Yes	Yes	No	No	2	Bactericidal	...	Yes	No	No	Y	...
393 [187]	2009	...	...	...	...	56	M	cut	Yes	No	No	No	2	Bactericidal	...	No	No	No	N	...
394 [187]	2009	...	...	...	...	59	M	cut	...	No	No	No	...	Bactericidal	...	No	No	No	N	...
395 [189]	2009	...	...	...	...	59	M	ingest	Yes	No	No	No	3+	Both	...	No	No	No	13	13
396 [190]	2010	...	...	...	...	0.1	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	10
397 [190]	2010	...	...	...	...	2	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	10
398 [190]	2010	...	...	...	...	3	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
399 [190]	2010	...	...	...	...	3	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
400 [190]	2010	...	...	...	...	3	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	14
401 [190]	2010	...	...	...	...	4	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	10
402 [190]	2010	...	...	...	...	5	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	10
403 [190]	2010	...	...	...	...	5	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
404 [190]	2010	...	...	...	...	5	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
405 [190]	2010	...	...	...	...	5	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	7
406 [190]	2010	...	...	...	...	5	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	3
407 [190]	2010	...	...	...	...	5	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	10
408 [190]	2010	...	...	...	...	6	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	5
409 [190]	2010	...	...	...	...	6	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	11

410 [190]	2010	...	...	...	...	6	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
411 [190]	2010	...	...	...	...	6	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
412 [190]	2010	...	...	...	...	6	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	20
413 [190]	2010	...	...	...	...	6	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	5
414 [190]	2010	...	...	...	...	6	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
415 [190]	2010	...	...	...	...	6	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	14
416 [190]	2010	...	...	...	...	7	M	cut	...	No	No	No	...	Bactericidal	...	No	No	No	N	8
417 [190]	2010	...	...	...	...	7	M	cut	...	No	No	No	...	Bactericidal	...	No	No	No	N	12
418 [190]	2010	...	...	...	...	7	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	7
419 [190]	2010	...	...	...	...	7	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	7
420 [190]	2010	...	...	...	...	7	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	7
421 [190]	2010	...	...	...	...	7	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
422 [190]	2010	...	...	...	...	8	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	6
423 [190]	2010	...	...	...	...	8	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	7
424 [190]	2010	...	...	...	...	8	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
425 [190]	2010	...	...	...	...	8	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	10
426 [190]	2010	...	...	...	...	8	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	3
427 [190,191]	2010	2014	...	...	...	8	F	cut	Yes	No	No	No	2	Both	...	Yes	No	No	N	10
428 [190]	2010	...	...	...	...	8	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	5
429 [190]	2010	...	...	...	...	8	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	7
430 [190]	2010	...	...	...	...	8	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	2
431 [190]	2010	...	...	...	...	9	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	5
432 [190]	2010	...	...	...	...	9	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
433 [190]	2010	...	...	...	...	9	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
434 [190]	2010	...	...	...	...	9	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	14
435 [190]	2010	...	...	...	...	10	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	10
436 [190]	2010	...	...	...	...	10	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
437 [190]	2010	...	...	...	...	10	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
438 [190]	2010	...	...	...	...	10	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
439 [190]	2010	...	...	...	...	11	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	5
440 [190]	2010	...	...	...	...	11	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	15
441 [190]	2010	...	...	...	...	11	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
442 [190]	2010	...	...	...	...	12	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	6
443 [190]	2010	...	...	...	...	12	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	7
444 [190]	2010	...	...	...	...	12	F	cut	...	No	No	No	...	Bactericidal	...	No	No	No	N	9
445 [190]	2010	...	...	...	...	12	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	11
446 [190]	2010	...	...	...	...	12	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
447 [190]	2010	...	...	...	...	13	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	7
448 [190]	2010	...	...	...	...	13	M	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	6
449 [192]	2010	...	...	...	...	13	F	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	Y	0.5
450 [190]	2010	...	...	...	...	14	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	5
451 [190]	2010	...	...	...	...	14	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
452 [190]	2010	...	...	...	...	14	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	13
453 [190]	2010	...	...	...	...	14	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	5
454 [190]	2010	...	...	...	...	15	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
455 [190]	2010	...	...	...	...	15	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	7

456 [190]	2010	...	...	...	...	16	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	5
457 [190]	2010	...	...	...	...	16	M	cut	...	No	No	No	...	Bactericidal	...	No	No	No	N	10
458 [190]	2010	...	...	...	...	17	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
459 [190]	2010	...	...	...	...	17	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
460 [190]	2010	...	...	...	...	17	F	cut	...	No	No	No	1	Bactericidal	...	Yes	No	No	N	10
461 [190]	2010	...	...	...	...	18	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	8
462 [193]	2010	...	...	...	...	18	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
463 [193]	2010	...	...	...	...	19	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
464 [193]	2010	...	...	...	...	21	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
465 [193]	2010	...	...	...	...	23	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
466 [193]	2010	...	...	...	...	23	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
467 [194]	2010	...	...	...	...	23	M	inject	Yes	No	No	Yes	...	...	...	No	No	No	N	...
468 [193]	2010	...	...	...	...	24	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
469 [195]	2010	...	...	...	...	24	F	inhal	Yes	No	No	No	2	Bactericidal	11	Yes	No	No	N	61
470 [193]	2010	...	...	...	...	27	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
471 [193]	2010	...	...	...	...	28	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
472 [193,196]	2010	2012	...	...	...	30	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	22
473 [193]	2010	...	...	...	...	30	M	cut	...	No	No	No	1	PSI	...	No	No	No	N	...
474 [193]	2010	...	...	...	...	30	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
475 [197]	2010	...	...	...	...	33	M	inhal	Yes	Yes	No	No	1	PSI	...	No	No	No	2	2
476 [193]	2010	...	...	...	...	33	M	cut	Yes	No	No	No	...	Both	...	No	No	No	N	...
477 [193]	2010	...	...	...	...	33	M	cut	Yes	No	No	No	1	PSI	...	No	No	No	N	...
478 [193]	2010	...	...	...	...	33	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
479 [193]	2010	...	...	...	...	35	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
480 [198]	2010	...	...	...	...	39	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	10
481 [193]	2010	...	...	...	...	39	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
482 [193]	2010	...	...	...	...	40	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
483 [199]	2010	...	...	...	...	42	M	inject	Yes <sup>a</sup>	No	No	No	1	Bactericidal	...	No	No	No	8	7.5
484 [200]	2010	...	...	...	...	43	F	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	20	20
485 [193,196]	2010	2012	...	...	...	44	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
486 [193]	2010	...	...	...	...	48	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
487 [193]	2010	...	...	...	...	52	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
488 [193]	2010	...	...	...	...	55	F	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
489 [193]	2010	...	...	...	...	64	F	cut	Yes	No	No	No	...	Bactericidal	...	No	No	No	N	...
490 [192]	2010	...	...	...	...	67	M	inhal	Yes	No	No	No	1	Bactericidal	...	No	No	No	7	7
491 [201]	2011	...	...	...	...	17	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
492 [202,203,204]	2011	2014	2017	...	...	24	M	inject	Yes	No	No	No	1	Bactericidal	1	Yes	No	No	5	5
493 [203,204,205]	2011	2014	2017	...	...	28	F	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	30
494 [206]	2011	...	...	...	...	32	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
495 [207]	2011	...	...	...	...	32	M	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	...
496 [204,208]	2011	2017	...	...	...	32	F	inject	...	No	No	No	3+	Both	...	No	No	No	N	11
497 [208]	2011	...	...	...	...	36	M	inject	...	No	No	No	3+	Both	...	No	No	No	N	...
498 [203,204,208]	2011	2014	2017	...	...	44	M	inject	...	No	No	No	...	...	5	No	No	No	N	60
499 [209]	2011	...	...	...	...	45	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	...
500 [210]	2011	...	...	...	...	53	F	inject	Yes	No	No	Yes	...	...	...	No	No	No	61	61
501 [211]	2011	...	...	...	...	61	M	inhal	Yes	No	No	No	1	PSI	5	No	No	No	N	23

502 [212]	2012	...	...	...	...	38	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
503 [213]	2012	...	...	...	...	42	F	ingest	Yes	No	No	No	2	Bactericidal	...	Yes	No	No	17	17
504 [214]	2012	...	...	...	...	60	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	10
505 [215]	2012	...	...	...	...	66	M	inhal	Yes	No	No	No	...	Both	Y	No	No	No	N	22
506 [216]	2013	...	...	...	...	17	M	ingest	Yes	No	No	Yes	...	...	...	No	No	No	N	5
507 [216]	2013	...	...	...	...	17	M	ingest	Yes	No	No	Yes	...	...	...	No	No	No	N	5
508 [217]	2013	...	...	...	...	25	M	cut	Yes	No	Yes	No	1	Bactericidal	...	No	No	No	N	...
509 [216]	2013	...	...	...	...	25	M	ingest	Yes	No	No	Yes	...	...	...	No	No	No	N	8
510 [216]	2013	...	...	...	...	26	F	ingest	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	10
511 [218]	2013	...	...	...	...	29	M	inject	Yes	No	No	No	3+	Both	...	No	No	No	Y	1
512 [217]	2013	...	...	...	...	29	M	cut	...	No	No	No	1	Bactericidal	...	No	No	No	N	...
513 [217]	2013	...	...	...	...	45	M	cut	...	No	No	No	2	Both	...	No	No	No	N	...
514 [219]	2013	...	...	...	...	55	M	inject	Yes	No	No	No	3+	Both	...	Yes	No	No	Y	4
515 [191]	2014	...	...	...	...	2	M	cut	...	No	No	No	2	Both	...	No	No	No	N	...
516 [203,204]	2014 2017	...	...	...	...	19	F	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	7
517 [203,204]	2014 2017	...	...	...	...	20	F	inject	Yes	Yes	No	No	3+	Both	...	No	No	No	N	8
518 [203,204]	2014 2017	...	...	...	...	26	F	inject	Yes	Yes	No	No	1	Bactericidal	...	No	No	No	2	2
519 [203,204]	2014 2017	...	...	...	...	27	M	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	1
520 [203,204]	2014 2017	...	...	...	...	27	M	inject	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	1
521 [203,204]	2014 2017	...	...	...	...	27	F	inject	Yes	No	No	No	3+	Both	1	No	No	No	N	42
522 [203,204]	2014 2017	...	...	...	...	29	M	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	11
523 [203,204]	2014 2017	...	...	...	...	29	F	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	14
524 [220]	2014	...	...	...	...	30	M	inject	Yes	No	No	No	3+	Both	1	No	No	No	N	...
525 [203,204]	2014 2017	...	...	...	...	30	F	inject	Yes	No	No	No	...	Both	...	No	No	No	N	2
526 [203,204]	2014 2017	...	...	...	...	32	M	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	29
527 [203,204]	2014 2017	...	...	...	...	35	M	inject	Yes	No	No	No	3+	Both	3	Yes	No	No	6	6
528 [203,204]	2014 2017	...	...	...	...	35	F	inject	Yes	No	No	No	3+	Both	1	Yes	No	No	4	4
529 [203,204]	2014 2017	...	...	...	...	36	M	inject	Yes	No	No	No	3+	Both	1	No	No	No	N	2
530 [221]	2014	...	...	...	...	37	M	inject	Yes	No	No	No	1	PSI	...	No	No	No	N	...
531 [203,204]	2014 2017	...	...	...	...	37	M	inject	Yes	No	No	No	1	PSI	...	No	No	No	7	7
532 [203,204]	2014 2017	...	...	...	...	38	F	inject	Yes	No	No	No	3+	Both	2	No	No	No	N	68
533 [203,204]	2014 2017	...	...	...	...	40	M	inject	Yes	Yes	No	No	3+	Both	1	Yes	No	No	3	3
534 [203,204,222]	2014 2017	...	...	...	...	40	M	inject	Yes	No	No	No	1	Bactericidal	3	No	No	No	N	29
535 [203,204]	2014 2015 2017	...	...	...	...	41	M	inject	Yes	Yes	No	No	3+	Both	...	No	No	No	2	2
536 [203,204]	2014 2017	...	...	...	...	41	M	inject	Yes	No	No	No	2	Both	3	No	No	No	N	90
537 [220]	2014	...	...	...	...	43	F	inject	Yes	No	No	No	2	Both	...	No	No	No	50	50
538 [203,204]	2014 2017	...	...	...	...	44	M	inject	Yes	No	No	No	3+	Both	1	No	No	No	3	3
539 [203,204]	2014 2017	...	...	...	...	44	M	inject	Yes	No	No	No	...	Both	3	No	No	No	N	31
540 [223]	2014	...	...	...	...	45	M	cut	Yes	No	No	No	2	Bactericidal	...	No	No	No	N	28
541 [191]	2014	...	...	...	...	58	M	cut	Yes	No	No	No	2	Both	...	No	No	No	N	...
542 [220]	2014	...	...	...	...	60	M	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	...
543 [224]	2015	...	...	...	...	19	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	...
544 [204,225]	2015 2017	...	...	...	...	28	F	inject	...	No	No	No	3+	Both	...	No	No	No	N	4
545 [226]	2015	...	...	...	...	34	M	cut	Yes	No	No	No	2	Bactericidal	...	No	No	No	N	...
546 [204,225]	2015 2017	...	...	...	...	37	F	inject	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	1
547 [204,225]	2015 2017	...	...	...	...	39	F	inject	...	No	No	No	1	Bactericidal	...	No	No	No	N	2

548 [227]	2015	...	...	...	...	50	M	cut	...	No	Yes	No	1	Bactericidal	...	No	No	No	N	...
549 [228]	2015	...	...	...	...	53	M	cut	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	4	4
550 [229]	2015	...	...	...	...	55	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	2	2
551 [230]	2015	...	...	...	...	59	F	cut	Yes	Yes	No	No	2	Bactericidal	...	No	No	No	6	6
552 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
553 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
554 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
555 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
556 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
557 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
558 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
559 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
560 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
561 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
562 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
563 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
564 [225]	2015	...	...	...	...	NR		inject	...	No	No	No	3+	Both	...	No	No	No	N	...
565 [225]	2015	...	...	...	...	NR		inject	...	No	No	No	1	PSI	...	No	No	No	N	...
566 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
567 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
568 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
569 [225]	2015	...	...	...	...	NR		inject	...	No	No	Yes	...	...	...	No	No	No	N	...
570 [231]	2016	...	...	...	...	10	F	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	...
571 [231]	2016	...	...	...	...	13	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	5
572 [231]	2016	...	...	...	...	13	F	cut	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	Y	...
573 [231]	2016	...	...	...	...	14	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	...
574 [232]	2016	...	...	...	...	30	M	cut	...	No	No	No	2	Both	...	No	No	No	N	5
575 [233]	2016	...	...	...	...	32	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	12
576 [231]	2016	...	...	...	...	35	M	cut	Yes	Yes	No	Yes	...	...	...	No	No	No	Y	...
577 [234]	2016	...	...	...	...	41	M	cut	...	No	No	No	2	Both	...	No	No	No	N	...
578 [231]	2016	...	...	...	...	45	M	cut	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	Y	...
579 [231]	2016	...	...	...	...	50	M	cut	Yes <sup>a</sup>	No	No	Yes	...	...	...	No	No	No	Y	...
580 [232]	2016	...	...	...	...	54	M	cut	Yes	No	No	No	2	Bactericidal	...	No	No	No	N	12
581 [235]	2016	...	...	...	...	65	M	inhal	Yes	No	No	No	1	PSI	...	No	No	No	7	7
582 [232]	2016	...	...	...	...	77	F	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	14
583 [234]	2016	...	...	...	...	NR	M	cut	...	No	No	No	2	Both	...	No	No	No	N	...
584 [204]	2017	...	...	...	...	28	M	inject	Yes	No	No	No	...	Both	...	No	No	No	N	16
585 [204]	2017	...	...	...	...	31	M	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	4
586 [204]	2017	...	...	...	...	31	M	inject	Yes	No	No	No	3+	Both	1	No	No	No	N	38
587 [236]	2017	...	...	...	...	35	M	cut	Yes	No	No	No	1	Bactericidal	...	No	No	No	N	5
588 [204]	2017	...	...	...	...	37	M	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	30
589 [204]	2017	...	...	...	...	37	M	inject	...	No	No	No	3+	Both	...	No	No	No	N	1
590 [204]	2017	...	...	...	...	38	M	inject	Yes	No	No	No	3+	Both	...	No	No	No	N	17
591 [204]	2017	...	...	...	...	40	M	inject	Yes	No	No	No	...	Both	...	No	No	No	N	17
592 [204]	2017	...	...	...	...	40	F	inject	Yes	No	No	No	3+	Both	3	No	No	No	N	38
593 [204]	2017	...	...	...	...	41	M	inject	...	No	No	No	3+	Both	...	No	No	No	N	6

594 [204]	2017	...	...	...	...	42	F	inject	Yes	No	No	No	No	2	Both	...	No	No	No	N	45
595 [237]	2017	...	...	...	...	43	M	cut	Yes	No	No	No	No	2	Bactericidal	...	Yes	No	No	N	...
596 [238]	2017	...	...	...	...	43	M	...	Yes	Yes	No	No	No	2	Bactericidal	...	No	No	No	2	2
597 [204]	2017	...	...	...	...	43	M	inject	Yes	No	No	No	No	3+	Both	1	No	No	No	N	31
598 [204]	2017	...	...	...	...	44	M	inject	Yes	No	No	No	No	3+	Both	...	No	No	No	N	35
599 [239]	2018	...	...	...	...	34	M	cut	...	No	No	No	No	2	Bactericidal	...	Yes	No	No	N	...
600 [240]	2018	...	...	...	...	35	F	cut	...	No	No	No	No	1	PSI	...	No	No	No	N	...
601 [241]	2018	...	...	...	...	36	F	cut	Yes	No	No	Yes	...	...	...	No	No	No	2	2	
602 [240]	2018	...	...	...	...	36	F	ingest	Yes	No	No	No	No	2	Bactericidal	...	No	No	No	Y	...
603 [240]	2018	...	...	...	...	40	F	cut	...	No	No	No	No	1	PSI	...	No	No	No	N	...
604 [239]	2018	...	...	...	...	47	M	cut	...	No	No	No	No	2	Bactericidal	...	Yes	No	No	N	31
605 [242]	2018	...	...	...	...	48	M	...	Yes	Yes	No	No	No	3+	Both	...	No	No	No	Y	...

Abbreviations: cut, cutaneous; F, female; ingest, ingestion; inhal, inhalation; inject, injection; M, male; N, No; NP, nasopharyngeal; PSI, protein synthesis inhibitor.

<sup>a</sup> Patients who died are classified as systemic. Footnotes on individual patients indicate that death was the only qualification for being defined “systemic.”

<sup>b</sup> Pretreatment is defined as receiving an anthrax-appropriate antimicrobial prior to hospitalization.

<sup>c</sup> “No treatment” refers to patients who received no anthrax-appropriate antimicrobial or antitoxin/antiserum prior to or throughout hospitalization.

<sup>d</sup> Number of antimicrobial classes and categorization as bactericidal antimicrobial(s) alone, PSI(s) alone, or both bactericidal antimicrobial(s) and PSI(s) are based on treatment received in the first 2 days of hospitalization.

<sup>e</sup> Unit of measure is hospital days. When the values were positive but timing information was missing, values were recorded as Y.

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**Supplementary Table 2a. Survival for Adults Reported to Be Hospitalized for Anthrax by Meningitis Status, Route of Infection, Systemic Criteria, and Treatment During First Two Days of Hospitalization, <sup>a</sup> 1880–2018**

Treatment	Without Meningitis						With Meningitis
	Localized Cutaneous (N = 131)	Systemic Cutaneous (N = 115)	Ingestion (N = 16)	Inhalation (N = 32)	Non-Systemic <sup>b, d</sup> (N = 143)	Systemic <sup>b, d</sup> (N = 199)	(N = 62)
None <sup>e</sup>	13/21 (62%)	9/17 (53%)	2/3 (67%)	1/13 (8%)	13/26 (50%)	14/31 (45%)	0/23 (0%)
1 Antimicrobial (Abx) Class <sup>f</sup>	61/62 (98%)	44/45 (98%)	5/8 (63%)	1/6 (17%)	62/64 (97%)	55/65 (85%)	3/14 (21%)
2 Abx Classes	7/7 (100%)	8/8 (100%)	0/4 (0%)	4/4 (100%)	7/7 (100%)	14/19 (74%)	0/10 (0%)
≥3 Abx Classes	8/8 (100%)	1/1 (100%)	0/1 (0%)	3/6 (50%)	13/13 (100%)	17/24 (71%)	3/8 (38%)
Antiserum <sup>g</sup>	22/23 (96%)	33/41 (80%)	... ..	1/2 (50%)	22/23 (96%)	34/43 (79%)	0/3 (0%)
Antiserum & 1Abx Class	8/8 (100%)	... ..	... ..	... ..	8/8 (100%)	0/1 (0%)	1/2 (50%)
Antiserum & ≥2 Abx Classes	1/1 (100%)	... ..	... ..	... ..	1/1 (100%)	6/8 (75%)	0/1 (0%)
Bactericidal(s)	60/61 (98%)	47/48 (98%)	5/11 (45%)	3/8 (38%)	61/63 (97%)	59/71 (83%)	4/18 (22%)
Protein Synthesis Inhibitor(s) (PSI)	11/11 (100%)	5/5 (100%)	0/1 (0%)	1/3 (33%)	11/11 (100%)	7/11 (64%)	0/2 (0%)
Bactericidal(s) & PSI(s)	6/6 (100%)	4/4 (100%)	0/1 (0%)	4/5 (80%)	11/11 (100%)	27/33 (82%)	3/13 (23%)

Abbreviations: Abx, antimicrobial; PSI, protein synthesis inhibitor.

<sup>a</sup> Treatments in this table refer to antimicrobials, antitoxin/antiserum, or a combination of both. Each line is the number that survived divided by the total number that received that treatment only (eg, ‘Single Antimicrobial’ means that they received a single antimicrobial and they did not receive antitoxin/antiserum). ‘Bactericidal(s)’ means that they received 1 or more bactericidal but no protein synthesis inhibitor and no antitoxin/antiserum). Sulfa drugs and cephalosporins are not considered anthrax-appropriate antimicrobial treatment and therefore did not contribute to the count of antimicrobials in this table. Patients described by authors Meselson (N=76) and Andrews (N=132) were excluded due to their lack of treatment data (Meselson M et al. Science 1994; 266(5188): 1202-8; Andrews J. Monthly Review of the US Bureau of Labor Statistics 1920; (267): 58-9). Additional exclusions included nine patients that were dead on arrival; 109, who died on their first day of hospitalization; and eight, who lacked survival status. Thirteen patients had at least 1 antimicrobial other than a sulfa or cephalosporin prior to hospitalization and 13 patients had their first treatment after day 2 of hospitalization and were excluded from this table. A few patients had unclear treatment timing and could not be classified.

<sup>b</sup> Systemic refers to our definition published in “Identifying Meningitis During an Anthrax Mass Casualty Incident: Systemic Review of Systemic Anthrax Since 1880” except that we removed the qualification of “death.” [11]

<sup>c</sup> Nonsystemic patients lacking meningitis consisted of the following: 131 cutaneous, 5 inhalation, and 7 injection.

<sup>d</sup> Systemic patients lacking meningitis consisted of the following: 1 nasopharyngeal, 115 cutaneous, 16 ingestion, 27 inhalation, and 40 injection.

<sup>e</sup> ‘None’ refers to no antimicrobials or antitoxin/antiserum given at all prior to or throughout hospitalization. This is the only category that is not restricted to the first 2 days of hospitalization.

<sup>f</sup> Antimicrobials are lumped into classes. Therefore, having 1 antimicrobial refers to 1 class of antimicrobials, 2 antimicrobials refers to having 2 different classes of antimicrobials, etc.

<sup>g</sup> This includes both antiserum and antitoxin.

**Supplementary Table 2b. Survival for Children and Adolescents Reported to Be Hospitalized for Anthrax by Meningitis Status, Route of Infection, Systemic Criteria, and Treatment During First Two Days of Hospitalization,<sup>a</sup> 1940–2018**

Treatment	Without Meningitis						With Meningitis
	Localized Cutaneous (N = 80)	Systemic Cutaneous (N = 19)	Ingestion (N = 12)	Inhalation (N = 1)	Non-Systemic <sup>b, c</sup> (N = 82)	Systemic <sup>b, d</sup> (N = 31)	(N = 13)
None <sup>e</sup>	1/2 (50%)	1/1 (100%)	4/5 (80%)	--	3/4 (75%)	3/4 (75%)	0/4 (0%)
1 Antimicrobial (Abx) Class <sup>f</sup>	72/72 (100%)	15/16 (94%)	4/5 (80%)	--	72/72 (100%)	19/21 (90%)	1/4 (25%)
2 Abx Classes	1/1 (100%)	2/2 (100%)	2/2 (100%)	0/1 (0%)	1/1 (100%)	4/6 (67%)	2/3 (67%)
≥3 Abx Classes	... ..	... ..	... ..	... ..	... ..	... ..	... ..
Antiserum <sup>g</sup>	1/1 (100%)	... ..	... ..	... ..	1/1 (100%)	... ..	... ..
Antiserum & 1 Abx Class	... ..	... ..	... ..	... ..	... ..	... ..	... ..
Antiserum & ≥2 Abx Classes	... ..	... ..	... ..	... ..	... ..	... ..	... ..
Bactericidal(s)	76/76 (100%)	13/14 (93%)	5/6 (83%)	--	76/76 (100%)	18/21 (86%)	2/5 (40%)
Protein Synthesis Inhibitor(s) (PSI)	- -	3/3 (100%)	--	--	--	3/3 (100%)	1/1 (100%)
Bactericidal(s) & PSI(s)	1/1 (100%)	1/1 (100%)	1/1 (100%)	0/1 (0%)	1/1 (100%)	2/3 (67%)	1/3 (33%)

Abbreviations: Abx, antimicrobial; PSI, protein synthesis inhibitor.

<sup>a</sup> Treatments in this table refer to antimicrobials, antitoxin/antiserum, or a combination of both. Each line is the number that survived divided by the total number that received that treatment only (eg 'Single Antimicrobial' means that they received a single antimicrobial and they did not receive antitoxin/antiserum). 'Bactericidal(s)' means that they received 1 or more bactericidal but no protein synthesis inhibitor and no antitoxin/antiserum). Sulfa drugs and cephalosporins are not considered anthrax-appropriate antimicrobial treatment and therefore did not contribute to the count of antimicrobials in this table. Exclusions included 2 patients that were dead on arrival, 8 who died on their first day of hospitalization, and 1 who lacked survival status. One patient had at least 1 antimicrobial other than a sulfa or cephalosporin prior to hospitalization and 1 patient had their first treatment after day 2 of hospitalization and were excluded from this table. A few patients had unclear treatment timing and could not be classified.

<sup>b</sup> Systemic refers to our definition published in "Identifying Meningitis During an Anthrax Mass Casualty Incident: Systemic Review of Systemic Anthrax Since 1880" except that we removed the qualification of "death" (Katharios-Lanwermyer S et al. Clin Infect Dis 2016; 62(12): 1537-45).

<sup>c</sup> Nonsystemic patients lacking meningitis consisted of the following: 80 cutaneous and 2 ingestion.

<sup>d</sup> Systemic patients lacking meningitis consisted of the following: 1 nasopharyngeal, 19 cutaneous, 10 ingestion, and 1 inhalation.

<sup>e</sup> 'None' refers to no antimicrobials or antitoxin/antiserum given at all prior to or throughout hospitalization. This is the only category that is not restricted to the first 2 days of hospitalization.

<sup>f</sup> Antimicrobials are lumped into classes. Therefore, having 1 antimicrobial refers to 1 class of antimicrobials, 2 antimicrobials refers to having 2 different classes of antimicrobials, etc.

<sup>g</sup> This includes both antiserum and antitoxin.

**Supplementary Table 3a. Survival for Adults Reported to Be Hospitalized for Anthrax by Meningitis Status, Route of Infection, Systemic Criteria, and Antimicrobial Treatment During First Two Days of Hospitalization,<sup>a</sup> 1880–2018**

Treatment	Monotherapy				Combination Therapy			
	Without meningitis			With Meningitis	Without meningitis			With Meningitis
	Localized Cutaneous	Inhalation	Systemic <sup>b</sup>		Localized Cutaneous	Inhalation	Systemic <sup>b</sup>	
None <sup>c</sup>	13/21 (62%)	1/13 (8%)	14/31 (45%)	0/23 (0%)	13/21 (62%)	1/13 (8%)	14/31 (45%)	0/23 (0%)
Any	61/62 (98%)	1/6 (17%)	55/65 (85%)	3/14 (21%)	15/15 (100%)	7/10 (70%)	33/45 (73%)	3/18 (17%)
Aminoglycosides	...	...	1/1 (100%)	-	1/1 (100%)	2/3 (67%)	8/12 (67%)	0/6 (0%)
Amphenicols	3/3 (100%)	...	1/1 (100%)	...	...	...	...	0/5 (0%)
Carbapenems	...	...	...	...	...	1/1 (100%)	2/4 (50%)	0/1 (0%)
Fluoroquinolones	1/1 (100%)	...	...	...	12/12 (100%)	5/8 (63%)	24/32 (75%)	3/7 (43%)
Glycopeptides	...	...	...	...	...	0/1 (0%)	4/7 (57%)	0/3 (0%)
Lincosamides	...	...	2/2 (100%)	0/1 (0%)	3/3 (100%)	2/2 (100%)	18/21 (86%)	2/4 (50%)
Macrolides	...	1/2 (50%)	1/2 (50%)	...	...	3/4 (75%)	4/5 (80%)	1/2 (50%)
Metronidazole	...	...	...	...	...	...	2/4 (50%)	0/1 (0%)
Oxazolidinone	...	...	...	...	...	...	...	0/1 (0%)
Rifamycins	...	...	...	...	...	2/4 (50%)	2/4 (50%)	2/2 (100%)
Streptogramins	...	...	...	...	7/7 (100%)	...	...	...
Tetracyclines	8/8 (100%)	0/1 (0%)	3/4 (75%)	0/1 (0%)	4/4 (100%)	1/1 (100%)	2/2 (100%)	0/3 (0%)
Penicillins (all)	49/50 (98%)	0/3 (0%)	47/53 (89%)	3/12 (25%)	13/13 (100%)	3/6 (50%)	22/31 (71%)	2/15 (13%)
Beta-lactamase resistant or with beta lactamase inhibitor <sup>d</sup>	4/4 (100%)	0/1 (0%)	3/4 (75%)	...	3/3 (100%)	1/3 (33%)	17/21 (81%)	1/2 (50%)
Other <sup>d</sup>	45/46 (98%)	0/1 (0%)	40/44 (91%)	3/12 (25%)	11/11 (100%)	3/7 (43%)	24/33 (73%)	2/15 (13%)

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- <sup>a</sup> Each line is the number that survived divided by the total number that received that treatment. Patients described by authors Meselson and Andrews were excluded due to their lack of treatment data (Meselson M et al. *Science* 1994; 266(5188): 1202-8; Andrews J. *Monthly Review of the US Bureau of Labor Statistics* 1920; (267): 58-9). Additional exclusions included patients that were dead on arrival, patients who died on their first day of hospitalization, patients who lacked survival status, and patients who received antitoxin/antiserum during the first 2 days of hospitalization. Sulfa drugs and cephalosporins are not considered anthrax-appropriate antimicrobial treatment and therefore did not contribute to the count of antimicrobials in this table. Patients that had at least 1 antimicrobial other than a sulfa or cephalosporin prior to hospitalization or had their first treatment (antimicrobial or antitoxin/antiserum) after day 2 of hospitalization were excluded from this table. A few cases had unclear treatment timing and could not be classified.
- <sup>b</sup> Systemic refers to our definition published in “Identifying Meningitis During an Anthrax Mass Casualty Incident: Systemic Review of Systemic Anthrax Since 1880” except that we removed the qualification of “death” (Katharios-Lanwermeier S et al. *Clin Infect Dis* 2016; 62(12): 1537-45).
- <sup>c</sup> ‘None’ refers to no antimicrobials or antitoxin/antiserum given at all prior to or throughout hospitalization. This is the only category that is not restricted to the first two days of hospitalization.
- <sup>d</sup> In the last 2 lines of the table, when splitting out beta-lactamase resistant or with beta lactamase inhibitor and other penicillins, monotherapy means that they just had penicillins from that specific category. Combination therapy means they could have also had a penicillin from the other category or any other antimicrobial class. Beta-lactamase resistant or with beta lactamase inhibitor penicillins include ampicillin/sulbactam, tazocin, augmentin, flucloxacillin and other beta lactam penicillin. The ‘Other’ penicillin category includes amoxicillin, ampicillin, penicillin and benzyl/benzathine penicillin.
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**Supplementary Table 3b. Survival for Adults Reported to Be Hospitalized for Anthrax by Meningitis Status, Route of Infection, Systemic Criteria, and Penicillin Treatment During First Two Days of Hospitalization, <sup>a</sup> 1940–2018**

Treatment	Monotherapy				Combination Therapy			
	Without meningitis			With Meningitis	Without meningitis			With Meningitis
	Localized Cutaneous	Inhalation	Systemic <sup>b</sup>		Localized Cutaneous	Inhalation	Systemic <sup>b</sup>	
None <sup>c</sup>	3/6 (50%)	0/2 (0%)	4/9 (44%)	0/9 (0%)	3/6 (50%)	0/2 (0%)	4/9 (44%)	0/9 (0%)
Penicillins <sup>d</sup>	49/50 (98%)	0/3 (0%)	47/53 (89%)	3/12 (25%)	13/13 (100%)	3/6 (50%)	22/31 (71%)	2/15 (13%)
Amoxicillin	2/2 (100%)	...	...	0/1 (0%)	6/6 (100%)	-	2/2 (100%)	0/1 (0%)
Ampicillin/Sulbactam	3/3 (100%)	...	2/2 (100%)	...	1/1 (100%)	0/1 (0%)	4/5 (80%)	...
Tazocin	...	0/1 (0%)	0/1 (0%)	...	...	1/1 (100%)	1/1 (100%)	...
Augmentin	...	...	...	...	...	0/1 (0%)	2/3 (67%)	...
Ampicillin	...	...	...	...	...	1/2 (50%)	2/3 (67%)	0/1 (0%)
Flucloxacillin	...	...	1/1 (100%)	...	1/1 (100%)	...	11/13 (85%)	1/2 (50%)
Penicillin	35/35 (100%)	0/1 (0%)	31/33 (94%)	3/10 (30%)	2/3 (67%)	2/4 (50%)	7/12 (58%)	1/10 (10%)
Benzathine penicillin	5/5 (100%)	...	7/9 (78%)	...	5/6 (83%)	0/1 (0%)	20/23 (87%)	1/7 (14%)
Other Beta-lactam penicillin	1/1 (100%)	...	...	...	1/1 (100%)	...	...	...

<sup>a</sup> Each line is the number that survived divided by the total number that received that treatment. Patients described by author Meselson were excluded due to their lack of treatment data (Meselson M et al. *Science* 1994; 266(5188): 1202-8; Andrews J. *Monthly Review of the US Bureau of Labor Statistics* 1920; (267): 58-9). Additional exclusions included patients that were dead on arrival, patients who died on their first day of hospitalization, patients who lacked survival status, and patients who received antitoxin/antiserum during the first 2 days of hospitalization. Sulfa drugs and cephalosporins are not considered anthrax-appropriate antimicrobial treatment and therefore did not contribute to the count of antimicrobials in this table. Patients that had at least 1 antimicrobial other than a sulfa or cephalosporin prior to hospitalization or had their first treatment (antimicrobial or antitoxin/antiserum) after day 2 of hospitalization were excluded from this table. A few patients had unclear treatment timing and could not be classified.

<sup>b</sup> Systemic refers to our definition published in "Identifying Meningitis During an Anthrax Mass Casualty Incident: Systemic Review of Systemic Anthrax Since 1880" except that we removed the qualification of "death" (Katharios-Lanwermyer S et al. *Clin Infect Dis* 2016; 62(12): 1537-45).

<sup>c</sup> 'None' refers to no antimicrobials or antitoxin/antiserum given at all prior to or throughout hospitalization. This is the only category that is not restricted to the first 2 days of hospitalization.

<sup>d</sup> The overall penicillin row groups all penicillins and counts monotherapy as only receiving penicillin from the penicillin class. Combination therapy would be any penicillin with any other antimicrobial class. The penicillin drugs beneath the class count monotherapy as only having that specific drug. Combination therapy is defined as having any other penicillin drug or any other antimicrobial class.

**Supplementary Table 4. Survival for Children and Adolescents Reported to Be Hospitalized for Systemic Anthrax by Specified Treatment During First Two Days of Hospitalization, 1940–2018<sup>a</sup>**

Comparison	Survived	Died	Univariate analysis	
	n (%), N	n (%), N	OR (95% CI)	p-value
Bactericidal(s) Alone vs. No Antimicrobial Treatment	19 (86%), 22	6 (50%), 12	6.33 (1.20-33.39)	0.03
Protein Synthesis Inhibitor(s) Alone vs. No Antimicrobial Treatment	4 (57%), 7	0 (0%), 6	7.31 (1.01-inf)	0.10
Bactericidal(s) Alone vs. Protein Synthesis Inhibitor(s) Alone	19 (83%), 23	6 (100%), 6	0.66 (0-4.44)	0.75
Bactericidal(s) and Protein Synthesis Inhibitor(s) vs. Bactericidal(s) Alone	3 (14%), 22	3 (33%), 9	0.32 (0.05-2.00)	0.22
Bactericidal(s) and Protein Synthesis Inhibitor(s) vs. Protein Synthesis Inhibitor(s) Alone	3 (43%), 7	3 (100%), 3	0.28 (0-2.31)	0.33
Bactericidal(s) and Protein Synthesis Inhibitor(s) vs. Bactericidal(s) Alone or Protein Synthesis Inhibitor(s) Alone	3 (12%), 26	3 (33%), 9	0.26 (0.04-1.64)	0.15
Antimicrobial Combination Therapy vs. Monotherapy	7 (27%), 26	4 (44%), 9	0.46 (0.10-2.22)	0.33

Abbreviations: AMS, altered mental status; CI, confidence interval; OR, odds ratio.

<sup>a</sup> Patients are only included in each row if they had the specified treatment being compared. Patients are considered to have the specified treatment if given in the first 2 days of hospitalization. Patients are classified as having no antimicrobial treatment if they did not receive any antimicrobials throughout hospitalization. Patients were excluded from analysis if they were dead on arrival, died on day 1 of hospitalization, or lacked survival status. Additional exclusions included patients that were given anthrax-appropriate antimicrobial treatment prior to hospitalization. Sulfa drugs and cephalosporins are not considered anthrax-appropriate antimicrobial treatment and therefore did not contribute to the count of antimicrobials in this table. Patients that were given antitoxin/antiserum at any time in the course of their treatment were excluded.

**Supplementary Table 5. Survival for Children and Adolescents Reported to Be Hospitalized for Anthrax by Antitoxin/Antiserum Receipt Throughout Hospitalization, 1900–2018<sup>a</sup>**

Comparison	Survived	Died	Univariate analysis	
	n (%), N	n (%), N	OR (95% CI)	p-value
Antitoxin/Antiserum vs. No Antitoxin/Antiserum	8 (6%), 126	0 (0%), 18	1.64 (0.31-inf)	0.67

Abbreviations: AMS, altered mental status; CI, confidence interval; OR, odds ratio.

<sup>a</sup> Patients are only included in each row if they had the specified treatment being compared. Patients were excluded from analysis if they were dead on arrival, died on day 1 of hospitalization, or lacked survival status. Patients described by the author Andrews were excluded due to their lack of sign, symptom, and treatment data (Andrews J. Monthly Review of the US Bureau of Labor Statistics 1920; (267): 58-9). Patients included in this analysis could have received other treatment, including antimicrobials.

**Supplementary Table 6. Survival for Children and Adolescents Reported to Be Hospitalized for All Types of Anthrax with Various Complications by Steroid Use, 1950–2018<sup>a</sup>**

Indication for steroid use	Steroids		No Steroids	
	Survived/Total with steroids	(%)	Survived/Total without steroids	(%)
Meningitis, both primary and secondary (N=13) <sup>b</sup>	1/3	(33)	3/10	(30)
Head or neck involvement (N=57) <sup>c</sup>	24/25	(96)	30/32	(94)
Edema involving > 1 extremity (N=4) <sup>d</sup>	3/3	(100)	0/1	(0)

<sup>a</sup> Excluded patients that were dead on arrival, died on day 1 of hospitalization, or lacked survival status. Excluded patients that were given steroids before hospitalization or after day 2 of hospitalization. Patients that had steroids but no timing information were included

<sup>b</sup> These include the following routes of infection: 8 cutaneous, 1 inhalation, and 4 ingestion. A patient is classified as (1) primary meningitis if they met criteria for meningitis (Katharios-Lanwermeijer S et al. Clin Infect Dis 2016; 62(12): 1537-45) but lacked a discernable route of infection, and (2) secondary meningitis if they met criteria for meningitis and had another route of primary infection

<sup>c</sup> These include the following routes of infection: 54 cutaneous, 2 ingestion, and 1 nasopharyngeal

<sup>d</sup> These include the following routes of infection: 4 cutaneous

**Supplementary Table 7. Survival for Children and Adolescents Reported to Be Hospitalized for Systemic Anthrax Meningitis by Specified Treatment<sup>a</sup>**

Treatment comparison	Survived n (%), N	Died n (%), N	OR (95% CI)	P-Value
<b>Antimicrobials<sup>b</sup></b>				
Combination Therapy vs. Monotherapy	3 (75), 4	2 (40), 5	4.50 (0.25-80.57)	0.31
Bactericidal(s) Alone vs. PSI(s) Alone	1 (25), 4	3 (60), 5	Reference	
Bactericidal(s) Alone vs. PSI(s) Alone	2 (67), 3	3 (100), 3	1.00 (0-19)	1.00
Bactericidal(s) and PSI(s) vs. Bactericidal(s) Alone or PSI(s) Alone	1 (33), 3	0 (0), 3	Reference	
Bactericidal(s) and PSI(s) vs. Bactericidal(s) Alone or PSI(s) Alone	1 (25), 4	2 (40), 5	0.50 (0.03-8.95)	0.64
Bactericidal(s) Alone or PSI(s) Alone	3 (75), 4	3 (60), 5	Reference	
<b>Steroids<sup>c</sup></b>				
Yes	1 (25), 4	2 (22), 9	1.17 (0.07-18.35)	0.91
No	3 (75), 4	7 (78), 9	Reference	
<b>Mannitol<sup>d</sup></b>				
Yes	0 (0), 4	1 (11), 9	2.25 (0-42.75)	1.00
No	4 (100), 4	8 (89), 9	Reference	
<b>Intrathecal/Intraspinal<sup>e</sup></b>				
Yes	0 (0), 4	0 (0), 9	...	...
No	4 (100), 4	9 (100), 9	Reference	
<b>Antitoxin/Antiserum<sup>f</sup></b>				
Yes	0 (0), 4	0 (0), 11	...	...
No	4 (100), 4	11 (100), 11	Reference	

Abbreviations: CI, confidence interval; OR, odds ratio.

<sup>a</sup> Patients were excluded from analysis if they were dead on arrival, died on day 1 of hospitalization, or lacked survival status.

<sup>b</sup> Patients are considered to have the specified antimicrobial treatment if given in the first 2 days of hospitalization. Patients were excluded if they were given anthrax-appropriate antimicrobial treatment prior to hospitalization or if they were given antitoxin/antiserum at any time in the course of their treatment. Sulfa drugs and cephalosporins are not considered anthrax-appropriate antimicrobial treatment and therefore did not contribute to the count of antimicrobials in this table. Only included patients who were described in medical literature from 1940-2018.

<sup>c</sup> Only included patients who were described in medical literature from 1950 through 2018.

<sup>d</sup> Only included patients who were described in medical literature from 1960 through 2018.

<sup>e</sup> Only included patients who were described in medical literature from 1940 through 2018.

<sup>f</sup> Only included patients who were described in medical literature from 1900 through 2018.

**Supplementary Table 8. Hospital Length of Stay for Pediatric Survivors Reported to Be Hospitalized for Anthrax by Meningitis Status, Route of Infection, Systemic Criteria and Treatment During First Two Days of Hospitalization,<sup>a</sup> 1940–2018**

Treatment	Localized Cutaneous <sup>b</sup> (N = 80 [79 survivors]) Length of Stay		Systemic (without meningitis) <sup>b,c</sup> (N = 31 [26 survivors]) Length of Stay		With Meningitis (N = 13 [4 survivors]) Length of Stay	
	Median (N)	IQR	Median (N)	IQR	Median (N)	IQR
None <sup>d</sup>	13 (1)	...	5 (3)	5-30	... (...)	...
1 Antimicrobial (Abx) Class <sup>e</sup>	10 (61)	7-10	10 (10)	9-15	24 (1)	...
2 Abx Classes	... (...)	...	16 (3)	10-18	14 (2)	14-14
≥ 3 Abx Classes	... (...)	...	... (...)	...	... (...)	...
Antiserum <sup>f</sup>	... (...)	...	... (...)	...	... (...)	...
Antiserum & 1 Abx Class	... (...)	...	... (...)	...	... (...)	...
Antiserum & ≥ 2 Abx Classes	... (...)	...	... (...)	...	... (...)	...
Bactericidal(s)	10 (65)	7-10	12 (12)	10-17	14 (2)	14-14
Protein Synthesis Inhibitor(s) (PSI)	... (...)	...	... (...)	...	24 (1)	...
Bactericidal(s) & PSI(s)	... (...)	...	10 (1)	...	... (...)	...

Abbreviations: Abx, antimicrobials; IQR, interquartile interval; PSI, protein synthesis inhibitor.

- <sup>a</sup> Treatments in this table refer to antimicrobials, antitoxin/antiserum, or a combination of both. Each line is the number that survived divided by the total number that received that treatment only (eg, ‘Single Antimicrobial’ means that they received a single antimicrobial and they did not receive antitoxin/antiserum. ‘Bactericidal(s)’ means that they received 1 or more bactericidal but no protein synthesis inhibitor and no antitoxin/antiserum) and the length of hospital stay for survivors on that treatment only. Sulfa drugs and cephalosporins are not considered anthrax-appropriate antimicrobial treatment and therefore did not contribute to the count of antimicrobials in this table. Exclusions included 2 patients that were dead on arrival, 8 who died on their first day of hospitalization, and 1 who lacked survival status. One patient had at least 1 antimicrobial other than a sulfa or cephalosporin prior to hospitalization and 1 patient had their first treatment after day 2 of hospitalization and were excluded from this table. A few patients had unclear treatment timing and could not be classified.
- <sup>b</sup> Systemic refers to our definition published in “Identifying Meningitis During an Anthrax Mass Casualty Incident: Systemic Review of Systemic Anthrax Since 1880” except that we removed the qualification of “death” (Katharios-Lanwermeier S et al. Clin Infect Dis 2016; 62(12): 1537-45).
- <sup>c</sup> Systemic patients lacking meningitis consisted of the following: 19 cutaneous, 10 ingestion, 1 inhalation, and 1 nasopharyngeal
- <sup>d</sup> ‘None’ refers to no antimicrobials or antitoxin/antiserum given at all prior to or throughout hospitalization. This is the only category that is not restricted to the first 2 days of hospitalization.
- <sup>e</sup> Antimicrobials are lumped into classes. Therefore, having 1 antimicrobial refers to 1 class of antimicrobials, 2 antimicrobials refers to having 2 different classes of antimicrobials, etc.
- <sup>f</sup> This includes both antiserum and antitoxin.

**Supplementary Table 9. Postexposure Prophylaxis in People Exposed to “Anthrax-Affected Animals” in Russia Before 1965<sup>a</sup>**

Treatment	Well	Ill	Total	OR	CI
Penicillin 300, 000 U Q12 x 3d	143	2	145	14.8	3.6-61.3
Pencillin 300, 000 U x 1 dose plus Benzacillin 1, 500, 000 U x 1 dose	44	0	44	18.5	1.1-304.6
Chlortetracycline 1g x 3d	95	3	98	6.5	2.0-21.4
No treatment	281	58	339	reference	

Abbreviations: CI, confidence interval; d, day; g, gram; OR, odds ratio; Q, every.

<sup>a</sup> Data from Kebedzhiev G. Antibiotiki 1970; 15(1): 89-93.

**Supplementary Table 10. Postexposure Prophylaxis In People Who Ingested Meat From “Anthrax-Affected Animals” In Russia, 1965–1967<sup>a</sup>**

Treatment	Well	Ill	Total	OR	CI
Penicillin 300, 000 U Q12 x 3d	362	0	362	150.7	9.3-2, 448.2
Pencillin 300, 000 U x 1 dose plus Benzacillin 1, 500, 000 U x 1 dose	24	0	24	10.2	0.6-169.8
Chlortetracycline 1g x 3d	21	0	21	8.9	0.5-149.6
No treatment (comparison group for other [pre-1965] arms)	281	58	339	reference	

Abbreviations: CI, confidence interval; d, day; g, gram; OR, odds ratio; Q, every.

<sup>a</sup> Data from Kebedzhiev G. Antibiotiki 1970; 15(1): 89-93.