

Appendix Table 2. Individual Inhalational Anthrax Case Reports*

Case Number (Reference)	Year	Country	Age, y	Sex	Exposure Risk†	Prodromal Symptoms‡
1 (3, 41–45)	2001	US	63	Male	Presumed bioterrorism	Malaise, myalgia, fatigue, fever, chills, anorexia, diaphoresis, nausea, emesis
2 (3, 41, 42)	2001	US	73	Male	Presumed bioterrorism	Fatigue, cough, lethargy, dyspnea, fever, rhinorrhea, diaphoresis, abdominal pain, emesis, conjunctivitis, confusion
3 (3, 30, 41, 46–48)	2001	US	56	Male	Bioterrorism	Fever, chills, odynophagia, headache, malaise, cough, dyspnea, pleurisy, myalgia, arthralgia, anorexia, diaphoresis, nausea, emesis, hemoptysis
4 (3, 41, 46–48)	2001	US	56	Male	Bioterrorism	Headache, fever, chills, odynophagia, myalgia, nausea, malaise, diaphoresis, cough, pleurisy, dyspnea, blurred vision, photophobia
5 (3, 41, 42, 47, 49)	2001	US	55	Male	Bioterrorism	Fever, diaphoresis, myalgia, cough, fatigue, dyspnea, chills, chest pain, nausea, emesis
6 (3, 41, 42, 47, 49–52)	2001	US	47	Male	Bioterrorism	Cough, nausea, emesis, abdominal colic, syncope, diaphoresis, fatigue, lightheadness, flu-like symptoms, myalgia, chills, dyspnea
7 (3, 41)	2001	US	59	Male	Bioterrorism	Diaphoresis, fatigue, myalgia, fever, chills, headache, nausea, emesis, abdominal pain, cough, chest pain
8 (3, 41, 42, 52, 53)	2001	US	56	Female	Bioterrorism	Emesis, diarrhea, fever, chills, headache, fatigue, cough, dyspnea, pleurisy
9 (3, 41, 42, 53)	2001	US	43	Female	Bioterrorism	Fever, chills, cough, chest pain, dyspnea, myalgia, fatigue, nausea, emesis, headache, stuffy head, mild confusion
10 (3, 22, 40–42, 54, 55)	2001	US	61	Female	Presumed bioterrorism	Malaise, fatigue, myalgia, chills, chest pain, dyspnea, cough, hemoptysis
11 (21, 41, 42, 56, 57)	2001	US	94	Female	Presumed bioterrorism	Fever, fatigue, myalgia, cough, dyspnea, anorexia, confusion
12 (58, 59)	1997	Turkey	64	Male	Wool	Malaise, fever, headache, abdominal pain, dyspnea
13 (91)	1992	France	33	Male	Unknown	Myalgia, asthenia, dyspnea, cough, diarrhea
14 (99)	1986	Switzerland	54	Female	Unknown	Fever, generalized weakness, nausea, back pain
15 (97, 98)	1980	Switzerland	37	Male	Textile mill	Cough, fever, dyspnea, hematemesis, melena, head cold symptoms
16 (60)	1977	India	63	Male	Unknown	Cough, fever, dizziness, headache, restlessness, urinary incontinence
17 (2, 39, 61, 62)	1976	US	32	Male	Imported yarn	Fever, odynophagia, chest pain, headache, nausea, anorexia
18 (63)	1976	Great Britain	53	Male	Unknown, bone meal?	Odynophagia, fever, chest pain, cough
19 (64)	1975	Iran	16	Female	Unknown	Dyspnea, axilla swelling
20 (64)	1975	Iran	34	Male	Unknown	Cough, dyspnea, hemoptysis
21 (100, 101)	1972	Switzerland	44	Male	Imported wool, carpet factory	Headache, emesis
22 (93–95)	1971	France	39	Male	Fertilizer factory (bone dust)	Fatigue, insomnia, emesis, diarrhea, confusion
23 (2, 39, 65)	1966	US	46	Male	Nearby goat hair factory	Fatigue, cough, diaphoresis
24 (66, 67)	1965	Great Britain	54	Male	Contaminated bone dust	Backache, abdominal pain, fever

Appendix Table 2—Continued

Clinical Signs at Presentation§	Treatment	Medical Complications¶	Died	Time to Care, d**	Time to Antibiotic Therapy, d††	Time to Death, d‡‡
Delirium, febrile, tachycardia, abnormal findings on lung examination, abnormal chest radiogram	Cefotaxime, ceftazidime, gentamicin, metronidazole, doxycycline, ampicillin, trimethoprim-sulfamethoxazole, vancomycin	Meningitis, MV, PE	Yes	4.8	4.9	8.4
Febrile, tachycardia, hypotension, abnormal findings on lung examination, abnormal chest radiogram	Azithromycin, cefotaxime, ciprofloxacin	PE, PFD	No	5.9	6.0	–
Tachycardia, abnormal findings on lung examination, afebrile, abnormal chest radiogram	Ciprofloxacin, rifampin, clindamycin	PE, PFD	No	3.0	3.5	–
Tachycardia, abnormal findings on lung examination, afebrile, abnormal chest radiogram	Ciprofloxacin, rifampin, clindamycin	PE, PFD	No	4.0	4.7	–
Febrile	Levofloxacin	MV, PE	Yes	2.0	4.8	5.3
Hypothermic, hypotensive, abnormal chest radiogram	Penicillin, ceftriaxone, rifampin, levofloxacin	MV, PE	Yes	4.9	5.2	6.3
Febrile, tachycardia, abnormal chest radiogram	Ciprofloxacin, penicillin, rifampin, vancomycin	PE, PFD	No	1.9	2.0	–
Febrile, tachycardia, abnormal findings on lung examination, hypoxia, respiratory distress, abnormal chest radiogram	Levofloxacin, rifampin, ciprofloxacin, vancomycin	PE, PFD	No	5.0	5.2	–
Febrile	Levofloxacin, azithromycin, ciprofloxacin, doxycycline, clindamycin, ceftriaxone	PE, PFD	No	1.0	1.1	–
Hypothermic, tachycardia, tachypnea, hypoxia, abnormal findings on lung examination, abnormal chest radiogram	Levofloxacin, rifampin, ciprofloxacin, gentamicin, nafcillin, clindamycin, ceftazidime	MV, PE, PFD	Yes	3.0	3.3	5.6
Febrile, tachycardia, hypotension, abnormal chest radiogram	Ceftazidime, vancomycin, ciprofloxacin, ampicillin-sulbactam, erythromycin, clindamycin	MV, PE, PFD	Yes	2.0	4.0	6.9
Comatose, febrile, tachypnea, tachycardia, hypotension, neck swelling, neurologic deficits, abnormal chest radiogram	Penicillin, chloramphenicol	Meningitis	Yes	3.1	3.1	3.9
Febrile, hypotension, abnormal findings on lung examination, abnormal chest radiogram	Penicillin, amoxicillin-clavulanate	PE, PFD	Yes	3.0	3.1	7.1
Comatose, hypothermic, cyanosis, abnormal findings on lung examination, hypotensive, abnormal chest radiogram	Amoxicillin, chloramphenicol, flucloxacillin	Meningitis, PE, cyanosis, MV	Yes	2.0	4.4	6.3
Febrile, tachycardia, hypotension, abnormal findings on lung examination, abnormal chest radiogram	Ampicillin, gentamicin, cefamandole, rolitetracycline	PE, PFD	No	6.1	6.1	–
Tachycardia, hypotension, delirium, neurologic deficits	Penicillin, chloramphenicol	Meningitis	Yes	2.0	2.2	2.8
Abnormal findings on lung examination, neurologic deficits, tachycardia, abnormal chest radiogram	Penicillin, streptomycin	Meningitis, PE	Yes	5.0	5.3	6.2
Abdominal tenderness	Ambramycin	Meningitis, cyanosis, PE	Yes	3.1	3.1	3.8
Abnormal findings on lung examination, afebrile, abnormal chest radiogram	Penicillin, chloramphenicol	–	Yes	2.0	2.1	5.0
Abnormal findings on lung examination, restlessness, labored breathing, clammy skin, abnormal chest radiogram	None	Cyanosis, PE, PFD	Yes	3.0	–	3.8
Febrile, delirium, meningeal signs	None	Meningitis	Yes	3.0	–	4.0
Agitated, coma, diaphoretic, tachycardia, neurologic deficits, afebrile, hypotension	None	Meningitis, tracheotomy, PE	Yes	3.5	–	3.7
Delirium, lethargy, diaphoresis, abnormal findings on lung examination, febrile, tachycardia, neurologic deficits, abnormal chest radiogram	Penicillin, chloramphenicol	Meningitis, PE	Yes	5.3	5.4	5.6
Normal findings on lung examination	None	PE	Yes	0.2	–	2.3

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Appendix Table 2—Continued

Case Number (Reference)	Year	Country	Age, y	Sex	Exposure Risk†	Prodromal Symptoms‡
25 (68)	1965	Croatia	54	Female	Wool	Fever, chills, cough, chest pain, headache, nausea, constipation, emesis, hemoptysis, anorexia, flu-like symptoms, urticaria
26 (69)	1964	Iran	30	Male	Farmer	Fever, cough, headache, malaise, hemoptysis
27 (102)	1963	France	39	Male	Unknown	Malaise, emesis, fever
28 (2, 39, 70)	1961	US	51	Female	Goat hair, textile mill	Weakness, chills, cough, chest pain, myalgia, abdominal pain, fever, back pain, diaphoresis
29 (2, 71)	1958	US	53	Male	Laboratory	Fever, headache, myalgia
30 (17, 35–39, 72, 73)	1957	US	60	Male	Goat hair, textile mill	Headache, cough, back pain, malaise, fever
31 (17, 35–39, 72)	1957	US	65	Female	Goat hair, textile mill	Cough, chest pain, malaise, fatigue, abdominal pain, chills, fever, cold symptoms
32 (17, 35–39, 72, 73)	1957	US	49	Male	Goat hair, textile mill	Cough, chest pain, anorexia, emesis, abdominal pain, fever
33 (17, 35–39, 72)	1957	US	46	Male	Goat hair, textile mill	Malaise, fever, chills, cough, dyspnea, diaphoresis, cold symptoms
34 (17, 37–39, 72, 73)	1957	US	33	Male	Goat hair, textile mill	Fever, chills, cough, malaise, myalgia, coryza, diaphoresis, chest pain, dyspnea, emesis, dysphagia, odynophagia, anorexia
35 (2, 39, 74, 75)	1957	US	28	Male	Nearby tannery and goat hair mill	Dyspnea, cough, anorexia, chest pain, nausea
36 (103)	1955	Russia	NR	Female	Unknown	Respiratory congestion (catarrh), flu-like symptoms
37 (104, 105)	1954	France	NR	Female	Horse hair	Flu-like symptoms, headache
38 (106, 107)	1954	Russia	13	Male	Dust from infected sheep and calf	–
39 (76)	1953	Nairobi	30	Male	Tannery	Headache, hematuria, painful axilla swelling
40 (2, 77)	1951	US	37	Female	Tannery, wool mill dust	Malaise, fever, leg pain, headache, backache, anorexia, emesis, restlessness
41 (2, 74)	1948	US	50	Female	Tannery, mill dust	Cold symptoms, emesis, headache, rhinorrhea
42 (78)	1947	US	46	Male	Unknown	Cough, malaise, dyspnea, fever, headache, chest pain, hemoptysis
43 (34)	1946	US	29	Female	Unknown	Headache, upset stomach, dizziness, anorexia
44 (79)	1942	US	42	Male	Textile mill	Nausea, emesis, dyspnea, fever, chills, chest pain, abdominal pain, back pain, cough
45 (108)	1941	US	71	Male	Leather factory	Fatigue, headache, rhinorrhea, dyspnea, odynophagia
46 (109)	1929	Germany	17	Male	Wool	Fever, chills, pleurisy, cough, dyspnea, hemoptysis
47 (80)	1928	US	2.5	Female	Unknown	Choking spell, cough, restlessness
48 (110)	1928	Czech Republic	38	Male	Unknown	Chest pain, emesis, headache, cough, insomnia, fatigue, anorexia, hoarseness

Appendix Table 2—Continued

Clinical Signs at Presentations§	Treatment	Medical Complications¶	Died	Time to Care, d**	Time to Antibiotic Therapy, d††	Time to Death, d‡‡
Febrile, tachycardia, abnormal findings on lung examination	Ambramycin, rolitetracycline	PE, cyanosis	Yes	3.1	2.4	5.1
Febrile, stuporous, hypotension, tachycardia, tachypnea, abnormal findings on lung examination, neurologic deficits, meningeal signs, abnormal chest radiogram	Penicillin, chloramphenicol, streptomycin	–	Yes	5.0	5.4	8.2
Febrile, comatose, abnormal findings on lung examination, neurologic deficits, convulsions, meningeal signs	Penicillin, tetracycline, streptomycin	Meningitis, tracheotomy	Yes	7.0	7.1	7.6
Abnormal findings on lung examination, afebrile, abnormal chest radiogram	None	Cyanosis, PE	Yes	1.0	–	3.8
Febrile, abnormal chest radiogram	Tetracycline	Cyanosis, PE	Yes	1.1	2.0	6.3
Febrile, tachycardia, hypotension, diaphoresis, respiratory stridor, abnormal findings on lung examination	None	Cyanosis, PE	Yes	0.3	–	2.9
Hypothermic, tachycardia, hypotension, abnormal findings on lung examination, abnormal chest radiogram	Penicillin	Cyanosis, PE	Yes	3.0	5.5	5.9
Delirium, febrile, tachypnea, abnormal findings on lung examination	Penicillin, streptomycin	Meningitis, PE	Yes	4.0	4.0	4.8
Febrile, tachycardia, tachypnea, abnormal findings on lung examination, cyanotic, delirium, ulcerated erythematous pharynx or tonsil, injected conjunctiva	Penicillin, streptomycin	Cyanosis, PE, PFD	No	2.9	2.9	–
Febrile, abnormal findings on lung examination, diaphoretic, pharyngeal erythema	Penicillin	Meningitis, cyanosis, PE	Yes	2.3	2.5	4.2
Tachycardia, tachypnea, afebrile	Penicillin	Cyanosis, PE	Yes	7.0	7.5	7.6
Prostration, “sepsis”	None	–	Yes	4.6	–	5.3
–	None	Meningitis	Yes	1.5	–	1.6
–	None	Meningitis	Yes	–	–	–
Febrile	Penicillin, anthrax antiserum	Meningitis	Yes	4.0	4.2	6.3
Comatose, febrile, tachycardia, neurologic deficits, meningeal signs	None	Meningitis, PE	Yes	5.0	–	5.1
Comatose, febrile, hypotension, abnormal findings on lung examination, meningeal signs, cyanosis, tachycardia, neurologic deficits, cold and clammy skin	Penicillin	Meningitis, cyanosis, PE	Yes	2.9	2.9	3.2
Tachycardia, tachypnea, hypotension, diaphoretic, abnormal findings on lung examination, cyanosis, neurologic deficits, delirium	None	Cyanosis, PE	Yes	2.9	–	3.0
Comatose, febrile, tachypnea, tachycardia, neurologic deficits, convulsions, abnormal findings on lung examination, meningeal signs	Chlortetracycline	Meningitis, PE	Yes	5.3	5.4	6.6
Febrile, cyanosis, tachycardia, tachypnea, hypotension, abnormal findings on lung examination, diaphoretic, abnormal chest radiogram	Sulfathiazole, sulfadiazine	Cyanosis, PE	Yes	0.3	–§§	4.6
Febrile, tachycardia, neck swelling, nasal obstruction, nasal turbinate edema, respiratory distress	Sulfathiazole, anthrax antiserum, sulfanilamide	PE	Yes	2.5	4.0	6.4
Febrile, tachycardia, abnormal findings on lung examination	Anthrax antiserum	–	No	3.0	3.5	–
Febrile, abnormal findings on lung examination, neurologic deficits, cyanosis, pharyngeal erythema and edema, abdominal distention, mottled skin, erythematous bulging tympanic membranes	Anthrax antiserum, horse antiserum	PE, PFD, cyanosis	No	2.0	6.0	–
Febrile, abnormal findings on lung examination, neurologic deficits, delirium, cyanosis, tachycardia, tachypnea	None	Meningitis, cyanosis	Yes	4.9	–	5.3

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Appendix Table 2—Continued

Case Number (Reference)	Year	Country	Age, y	Sex	Exposure Risk†	Prodromal Symptoms‡
49 (81)	1924	US	45	Female	Unknown	Dyspnea, nervousness, cough, indigestion
50 (111)	1924	Germany	34	Male	Animal fur and skins	"Not feeling well"
51 (82)	1920	US	36	Male	Tannery	Odynophagia, chest pain, cough, dyspnea
52 (83)	1917	US	50	Male	Hides, bone dust	Headache, "taken ill"
53 (84)	1917	Uganda	NR	Male	Unknown	Cough, chills, chest pain
54 (85)	1916	Great Britain	22	Male	Unknown	Chills, chest pain, headache, emesis
55 (111)	1914	Germany	59	Male	Unknown	Headache, nausea, fatigue, malaise
56 (112, 113)	1914	Germany	NR	Male	Unknown	Headache, malaise, leg weakness
57 (114, 115)	1913	Russia	42	Male	Laboratory	Felt "ill", myalgia, fatigue
58 (111)	1910	Germany	35	Male	Unknown	Cough, dyspnea, malaise
59 (116)	1910	Germany	NR	Male	Unknown	Fever
60 (86)	1909	Great Britain	42	Male	Unknown	Cold symptoms, emesis, chills, cough, wheezing, insomnia, dyspnea, headache, abdominal pain, pleurisy, malaise, syncope
61 (96)	1909	Switzerland	26	Male	Veterinarian	Chest pain, diaphoresis, chills, cough, dyspnea, headache
62 (92)	1908	Germany	31	Male	Textile mill	Chest pain, dyspnea, fatigue, abdominal pain, chills
63 (117)	1908	Russia	56	Female	Infected wool	Headache, fever, cough, fatigue
64 (117)	1908	Russia	56	Female	Infected wool	Chills, cough, chest pain, fever, fatigue, dyspnea, headache
65 (117)	1908	Russia	29	Female	Infected wool	Headache, abdominal pain, emesis, fever, fatigue, cough, dyspnea, chest pain
66 (117)	1908	Russia	NR	Female	Infected wool	Headache, chills, cough, fever, fatigue, dyspnea, chest pain
67 (117)	1908	Russia	42	Male	Infected wool	Fever, fatigue, dyspnea, chest pain, headache
68 (117)	1908	Russia	NR	Male	Infected wool	Headache, cough, stabbing flank pain, fever, fatigue, dyspnea, chest pain
69 (87)	1907	US	28	Male	Hair and wool mill	Malaise, myalgia, headache, emesis, fever, cough, dyspnea, abdominal pain
70 (88)	1907	Great Britain	32	Male	Wool mill	Headache, abdominal pain
71 (118)	1907	Germany	37	Female	Horsehair	Fever, laryngitis, cough, hemoptysis, dyspnea
72 (89)	1906	Great Britain	53	Male	Wool mill	Cough, dyspnea, shivering, nausea, headache, vertigo, malaise, emesis
73 (31–33)	1905	Great Britain	36	Male	Unknown	Headache, dizziness, anorexia
74 (119)	1904	Germany	20	Male	Horsehair	Fever, exhaustion, neck swelling
75 (120)	1904	Germany	42	Male	Dock worker	Chest pain, chills, exhaustion
76 (121, 122)	1902	Germany	54	Female	Animal hides	Chest pain, dyspnea, malaise, arthralgias
77 (123)	1902	Germany	42	Male	Unknown	–
78 (90)	1901	Great Britain	33	Male	Wool mill	Chills, myalgia, nausea
79 (124, 125)	1901	Poland	16	Female	Unknown	–
80 (126, 127)	1900	Germany	32	Male	Unknown	Chills, fever, myalgia
81 (128)	1900	Austria	NR	Male	Unknown	–
82 (129, 130)	1900	Germany	35	Male	Unknown	–

* Three patients (31–33, 91, 92) who received a diagnosis of gastrointestinal anthrax by the treating physicians met our inclusion criteria. The first patient initially received a diagnosis of community-acquired pneumonia and had pleural effusions with mediastinal lymphadenopathy but no ascites (91). Although this patient had diarrhea, this patient had no clear history of eating contaminated meat and gastrointestinal symptoms were similar to those in the US 2001 inhalational cases. The second patient had no gastrointestinal symptoms except for mild abdominal tenderness and was found to have pleural effusions with hemorrhagic mediastinitis and mediastinal lymphadenopathy at autopsy (31–33). The treating physicians could not exclude an inhalational port of entry. The final patient reported chest pain with dyspnea, and the treating physicians suspected either an inhalational or gastrointestinal source of infection (92). Two additional case-patients who met our inclusion criteria (34, 93–95) received a diagnosis of primary anthrax meningoenzephalitis. In 1 case, the treating physicians suspected an inhalational port of entry (transethmoidal), and this patient had large bilateral pleural effusions at autopsy (93–95). The second case had lung disease at autopsy and was included in previous reviews of inhalational anthrax (34). Excluding these 5 patients did not statistically significantly affect the Cox proportional hazards analysis. MV = mechanical ventilation; NR = not reported; PE = pleural effusion; PFD = pleural fluid drainage; US = United States.

† Exposure to anthrax-contaminated mail in 4 of 11 US 2001 cases is unproven (e.g., presumed bioterrorism).

‡ A dash indicates not reported or inability to determine.

§ A dash indicates no additional findings compared with prodromal symptoms column, patient did not present to health care provider before death, not reported, or inability to determine.

|| Antibiotics or anthrax antiserum. Of the 37 patients who received an anthrax-susceptible antibiotic or anthrax antiserum, 24 were given penicillins, 10 were given fluoroquinolones, 7 were given chloramphenicol, 7 were given tetracyclines, 6 were given anthrax antiserum, 6 were given rifampin, 5 were given cephalosporins, 5 were given clindamycin, 4 were given vancomycin, 3 were given macrolides, and 3 were given aminoglycosides.

¶ A dash represents cases either not seen before death or no additional signs or symptoms noted in case report at presentation.

** Time from symptom onset to initial health care contact. A dash represents cases not seen before death or inability to calculate.

†† Time from symptom onset to antibiotic (or antiserum) therapy. A dash represents no treatment given or inability to calculate.

‡‡ Time from symptom onset to death. A dash represents no death or inability to calculate.

§§ Sulfa-based antibiotics have little or no efficacy for treating anthrax (see text).

||| Mild cyanosis without respiratory distress.

Appendix Table 2—Continued

Clinical Signs at Presentations§	Treatment	Medical Complications¶	Died	Time to Care, d**	Time to Antibiotic Therapy, d††	Time to Death, d‡‡
Fever, tachycardia, tachypnea	None	–	Yes	–	–	–
Delirium	None	PE	Yes	2.6	–	2.7
Febrile, abnormal findings on lung examination, diaphoretic, cyanosis, pharyngeal congestion	Anthrax antiserum	Cyanosis	Yes	7.0	8.3	10.0
Moribund	None	–	Yes	3.9	–	4.0
Febrile, tachycardia, tachypnea, abnormal findings on lung examination	None	–	Yes	4.1	–	10.3
Comatose	None	Meningitis, PE	Yes	1.7	–	2.4
Comatose, febrile, tachycardia	None	PE, meningitis	Yes	1.0	–	1.6
Febrile, neurologic deficits, delirium	None	Meningitis	Yes	1.3	–	1.5
Afebrile, tachycardia, orthostatic dizziness	None	Cyanosis	Yes	3.5	–	3.9
Cyanosis, tachycardia, afebrile, abnormal findings on lung examination	None	Cyanosis, PE, meningitis	Yes	2.7	–	3.4
Abnormal findings on lung examination	None	PE	Yes	–	–	–
Hypothermic, hypotensive, abnormal findings on lung examination	None	PE	Yes	4.1	–	4.3
Febrile, abnormal findings on lung examination, tachycardia, slight cyanosis‡‡	None	Cyanosis‡‡	No	29.3	40.1	–
–	None	PE	Yes	4.4	–	5.0
–	None	–	Yes	–	–	5.0
Wheezing, afebrile, cyanosis, delirium, weak pulse	None	Cyanosis	Yes	2.0	–	3.0
–	None	–	Yes	–	–	2.1
–	None	–	Yes	–	–	2.0
–	None	–	Yes	–	–	3.0
Cardiovascular collapse	None	–	Yes	–	–	4.0
Febrile, tachycardia, abnormal findings on lung examination, diaphoresis	None	PE, PFD	Yes	7.0	–	7.2
–	None	–	Yes	8.0	–	8.0
Laryngeal obstruction	None	Meningitis, PE, tracheotomy	Yes	3.0	–	3.2
Febrile, abnormal findings on lung examination, tachypnea	Anthrax antiserum	Cyanosis, PE, PFD	No	2.5	3.0	–
Delirium, afebrile, neurologic deficits, abdominal tenderness	None	Meningitis, PE	Yes	0.8	–	1.5
Febrile, delirium	None	PE	Yes	8.1	–	8.6
Febrile, tachycardia, cyanosis, abnormal findings on lung examination	None	Cyanosis, PE	Yes	4.0	–	5.0
Tachycardia, cyanosis, abnormal findings on lung examination, hypothermic	None	PE, cyanosis	Yes	2.3	–	2.6
–	None	PE, meningitis	Yes	–	–	–
Febrile, tachycardia	None	Meningitis, PE	Yes	1.1	–	4.5
“In agony”	None	Meningitis, PE	Yes	–	–	–
Unconsciousness, convulsions, trismus, opisthotonos	None	Meningitis, PE	Yes	2.0	–	2.4
Unconsciousness, cyanosis, neurologic deficits	None	Cyanosis, PE, meningitis	Yes	–	–	–
Delirium, cyanosis, hypothermic	None	Cyanosis	Yes	5.0	–	6.1