|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Case Number (reference) | Yeara | Country | Age (yrs.) | Sex | Primary Routeb | Exposure Risk | Confirmed  Meningitis | Chief Complaint | Treatment  (multiple antimicrobials [MA]\*, bactericidal [B], bacteriostatic [BS], antitoxin [AT], antiserum [AS]) | Medical Complications (bleeding, fluid collections, other secondary organ involvement)\*\* | Key Associated Symptoms (F/C, N/V, HA) | Key Associated Signs  (MS, AMS, LOC) | Time to Antibiotic Therapy (days)c | Time to Death (days)c | C-Scored |
| 1 [[1](#_ENREF_1)] | 1881 | Great Britain | 30 | M | inhal | wool | N | subacute pneumonia | NR | NR | NR | NR | NA | NA | 6 |
| 2 [[1](#_ENREF_1)] | 1881 | Great Britain | 36 | M | inhal | wool | N | headache, dyspnea | NR | petechia | HA | AMS | NA | NA | 8 |
| 3 [[1](#_ENREF_1)] | 1881 | Great Britain | 39 | M | inhal | wool | N | NR | NR | arrhythmia | F/C, HA | NR | NA | 3 | 7 |
| 4 [[1](#_ENREF_1)] | 1881 | Great Britain | 63 | M | cut | wool | N | painful pimple and swelling | NR | NR | N/V | NR | NA | 7 | 8 |
| 5 [[1](#_ENREF_1)] | 1881 | Great Britain | 71 | M | inhal | wool | N | chest pain, abdominal pain, chills, prostration, dyspnea | NR | NR | F/C, N/V | NR | NA | NA | 8 |
| 6 [[1](#_ENREF_1)] | 1881 | Great Britain | A | M | inhal | wool | N | sick, cold, tightness of chest | NR | NR | F/C, N/V | NR | NA | NA | 8 |
| 7 [[1](#_ENREF_1)] | 1881 | Great Britain | A | M | inhal | wool | N | restless, dyspnea, perspiration, cyanosis | NR | NR | F/C | NR | NA | NA | 7 |
| 8 [[2](#_ENREF_2)] | 1883 | Great Britain | 33 | M | cut | hides or leather | N | NR | NR | GI, pulmonary | F/C | NR | NA | 5 | 11 |
| 9 [[3](#_ENREF_3)] | 1883 | Great Britain | 43 | M | cut | hides or leather | N | facial lesion with swelling; delirium, cough, rigors | NR | hematochezia, pulmonary, urinary tract, GI | F/C | AMS | NA | NA | 12 |
| 10 [[4](#_ENREF_4)] | 1893 | Great Britain | 48 | M | cut | hides or leather | Y | told to see doctor for "sore" | NR | SAH | HA | NR | NA | 5 | 11 |
| 11 [[5](#_ENREF_5), [6](#_ENREF_6)] | 1900 | Germany | 35 | M | inhal | NR | N | delirium, cyanosis, hypothermia | NR | NR | NR | AMS | NA | 1 | 8 |
| 12 [[7](#_ENREF_7)] | 1901 | Poland | 16 | F | inhal | NR | Y | "In agony" | NR | PE | NR | NR | NA | NA | 6 |
| 13 [[8](#_ENREF_8)] | 1901 | Great Britain | 20 | M | cut | ill or dead animal contact | N | ulcer with blisters, cellulitis, lymphatic inflammation | NR | NR | F/C | NR | NA | NA | 11 |
| 14 [[9](#_ENREF_9)] | 1901 | Scotland | 24 | F | cut | NR | N | chills, malaise, headache, vomiting, | NR | GI | F/C, N/V, HA | NR | NA | 9 | 10 |
| 15 [[10](#_ENREF_10)] | 1901 | Great Britain | 27 | M | cut | wool | N | vomiting, chills, insomnia, itchy swollen blistered spot on shoulder | NR | NR | F/C, N/V | NR | NA | 8 | 10 |
| 16 [[10](#_ENREF_10)] | 1901 | Great Britain | 29 | M | cut | wool | N | swelling of R eyelid, R side of face,neck, and L eyelid; blebs | NR | NR | NR | NR | NA | NA | 8 |
| 17 [[11](#_ENREF_11)] | 1901 | Germany | 32 | M | inhal | NR | Y | chills, fever, myalgia, unconsciousness, convulsions, trismus, opisthotonos | NR | PE | F/C | AMS, LOC | NA | 3 | 8 |
| 18 [[12](#_ENREF_12)] | 1901 | Great Britain | 33 | M | inhal | wool | Y | chills, myalgia, nausea, tachycardia, fever, myalgias, "furred" tongue | NR | PE, SAH | F/C, N/V | NR | NA | 5 | 11 |
| 19 [[10](#_ENREF_10)] | 1901 | Great Britain | 60 | M | cut | wool | N | swelling of R side of neck, R shoulder, L side of chest; weak, perspiring freely | NR | NR | NR | NR | NA | 4 | 8 |
| 20 [[13](#_ENREF_13)] | 1902 | Germany | 20 | M | inhal | animal hair | N | fever, exhaustion, neck swelling, delirium | NR | PE | F/C | AMS | NA | 9 | 8 |
| 21 [[14](#_ENREF_14)] | 1902 | Germany | 42 | M | inhal | NR | Y | NR | NR | PE | NR | NR | NA | NA | 5 |
| 22 [[13](#_ENREF_13)] | 1902 | Germany | 54 | F | inhal | animal hair | N | tachycardia, cyanosis, abnormal findings on lung examination,  hypothermia, chest pain, dyspnea, malaise, arthralgias | NR | PE | N/V | NR | NA | 3 | 9 |
| 23 [[15](#_ENREF_15)] | 1904 | Brazil | 27 | M | cut | animal contact | N | serious case of malignant pustule | AS | arrhythmia | NR | NR | NR | NA | 12 |
| 24 [[15](#_ENREF_15)] | 1904 | Brazil | 30 | M | cut | animal contact | N | pustule on R forearm with severe swelling, fever, epitrochlear and axillary adenopathy | AS | arrhythmia | F/C | AMS | NR | NA | 12 |
| 25 [[16](#_ENREF_16)] | 1904 | Germany | 42 | M | inhal | animal hair | N | fever, tachycardia, cyanosis, abnormal findings on lung examination, chest pain, chills, exhaustion | NR | PE | F/C | NR | NA | 5 | 9 |
| 26 [[17](#_ENREF_17)] | 1905 | Italy | 30 | F | cut | NR | N | lesion on forearm, severe general symptoms | AS | NR | NR | NR | NR | NA | 8 |
| 27 [[18](#_ENREF_18)] | 1905 | Great Britain | 31 | M | cut | animal hair | N | small slough on R cheek that looked like malignant pustule | AS | NR | NR | NR | NR | NA | 13 |
| 28 [[17](#_ENREF_17)] | 1905 | Italy | 60 | M | cut | hides or leather | Y | NR | AS | SAH | NR | NR | NR | 2 | 10 |
| 29 [[19](#_ENREF_19), [20](#_ENREF_20)] | 1905, 1906 | Scotland | 36 | M | inhal | NR | Y | delirium, afebrile, neurologic deficits, abdominal tenderness, headache, dizziness, anorexia | NR | PE, SAH | HA | AMS | NA | 3 | 11 |
| 30 [[21](#_ENREF_21)] | 1906 | Great Britain | A | M | cut | hides or leather | N | badly swollen arm | NR | NR | NR | NR | NA | 8 | 8 |
| 31 [[22](#_ENREF_22)] | 1907 | Great Britain | 32 | M | inhal | wool | N | headache, abdominal pain, laryngeal obstruction | NR | NR | HA | NR | NA | 9 | 8 |
| 32 [[23](#_ENREF_23)] | 1907 | Germany | 37 | F | inhal | animal hair | Y | fever, laryngitis, cough, hemoptysis, dyspnea | NR | hemoptysis, PE | F/C | NR | NA | 4 | 9 |
| 33 [[24](#_ENREF_24)] | 1908 | Ireland | 19 | F | cut | animal hair | Y | malaise, vomiting, severe headache | NR | hematemesis, SAH | F/C, N/V, HA | AMS | NA | 7 | 11 |
| 34 [[25](#_ENREF_25)] | 1908 | USA | 30 | M | NP | NR | N | sore and swollen nose | NR | NR | HA | NR | NA | NA | 8 |
| 35 [[26](#_ENREF_26)] | 1909 | Russia | 29 | F | inhal | wool | N | headache, abdominal pain, emesis, fever, fatigue, cough, dyspnea, chest pain | NR | NR | F/C, N/V, HA | NR | NA | NA | 7 |
| 36 [[27](#_ENREF_27)] | 1909 | Germany | 31 | M | inhal | wool | N | chest pain, dyspnea, fatigue, abdominal pain, chills | NR | PE | F/C | NR | NA | 5 | 9 |
| 37 [[26](#_ENREF_26)] | 1909 | Russia | 42 | M | inhal | wool | N | fever, fatigue, dyspnea, chest pain, headache | NR | NR | F/C, HA | NR | NA | NA | 7 |
| 38 [[26](#_ENREF_26)] | 1909 | Russia | 56 | F | inhal | wool | N | chills, cough, chest pain, fever, fatigue, dyspnea, headache | NR | NR | F/C, HA | AMS | NA | NA | 8 |
| 39 [[26](#_ENREF_26)] | 1909 | Russia | 56 | F | inhal | wool | N | wheezing, cyanosis, delirium, weak pulse, headache, fever, cough, fatigue | NR | NR | F/C, HA | AMS | NA | 1 | 9 |
| 40 [[28](#_ENREF_28)] | 1910 | Great Britain | 42 | M | inhal | wool | N | hypothermia, hypotensive, abnormal findings on lung examination, chest pain, dyspnea, fatigue, abdominal pain, chills | NR | PE | F/C, N/V, HA | NR | NA | 5 | 9 |
| 41 [[29](#_ENREF_29)] | 1910 | Scotland | 46 | M | cut | wool | Y | unconsciousness, convulsions, edema of both eyelids | NR | hematemesis, epistaxis, SAH | F/C, N/V, HA | MS, AMS, LOC | NA | 5 | 11 |
| 42 [[30](#_ENREF_30)] | 1911 | Great Britain | 53 | M | inhal | wool | N | cough, dyspnea, shivering, nausea, headache, vertigo, malaise, emesis | AS | PE | F/C, N/V, HA | NR | NR | NA | 11 |
| 43 [[31](#_ENREF_31)] | 1914 | NR | 19 | M | unknown | animal contact | Y | 2-week history of malaise and depression accompanied by backache | NR | NR | NR | NR | NA | 22 | 9 |
| 44 [[31](#_ENREF_31)] | 1914 | USA | 21 | M | unknown | NR | Y | headache, pain in neck and back | NR | NR | F/C, HA | NR | NA | 14 | 10 |
| 45 [[32](#_ENREF_32)] | 1914 | Germany | 42 | M | inhal | Bacillus anthracis | N | felt “ill,” myalgia, fatigue, afebrile, tachycardia, orthostatic dizziness | NR | NR | NR | NR | NA | 5 | 9 |
| 46 [[33](#_ENREF_33)] | 1916 | Great Britain | 52 | M | cut | wool | N | Lesion | AS | NR | N/V | NR | NR | NA | 12 |
| 47 [[34](#_ENREF_34)] | 1917 | Great Britain | 16 | M | cut | NR | Y | headache, chills, pain in back and legs, pain and swelling on L side of neck | NR | SAH | F/C, HA | NR | NA | 5 | 11 |
| 48 [[34](#_ENREF_34)] | 1917 | Great Britain | 22 | M | inhal | NR | Y | L-sided chest pain | NR | petechial hemorrhage | F/C, N/V, HA | AMS, LOC | NA | 3 | 10 |
| 49 [[35](#_ENREF_35)] | 1917 | Switzerland | 26 | M | inhal | ill or dead animal contact | N | fever, abnormal findings on lung examination, tachycardia, cyanosis, chest pain, diaphoresis, chills, cough, dyspnea, headache | NR | NR | F/C, HA | NR | NA | NA | 8 |
| 50 [[34](#_ENREF_34)] | 1917 | Great Britain | 29 | M | unknown | NR | Y | altered mental status, photophobia | NR | melena | F/C | AMS | NA | 11 | 9 |
| 51 [[34](#_ENREF_34)] | 1917 | Great Britain | 49 | M | unknown | wool | Y | severe headache | NR | NR | F/C, HA | NR | NA | 4 | 9 |
| 52 [[34](#_ENREF_34)] | 1917 | Great Britain | 50 | M | cut | shaving brush | Y | L-sided facial swelling | NR | NR | N/V | MS, AMS | NA | 5 | 10 |
| 53 [[36](#_ENREF_36)] | 1917 | USA | 50 | M | inhal | bone meal or hides | N | headache, “taken ill,” moribund | NR | NR | HA | AMS, LOC | NA | 5 | 10 |
| 54 [[37](#_ENREF_37)] | 1917 | USA | 54 | M | cut | hides or leather | N | red indurated neck and chest swelling, non-tender lymphadenopathy, papule with brown leathery center surrounded by vesicles | AS | NR | NR | NR | NR | NA | 14 |
| 55 [[38](#_ENREF_38)] | 1917 | Uganda | A | M | inhal | NR | N | cough, chills, chest pain, fever, tachycardia, tachypnea, abnormal findings on lung examination | NR | NR | F/C | NR | NA | 11 | 9 |
| 56 [[39](#_ENREF_39)] | 1918 | Great Britain | 19 | M | ingest | NR | Y | headache, anorexia, and shivering | NR | hematemesis, SAH | F/C, N/V, HA | AMS | NA | 2 | 10 |
| 57 [[40](#_ENREF_40)] | 1918 | USA | 30 | M | cut | NR | N | edema and lesion | NR | NR | NR | NR | NA | 3 | 9 |
| 58 [[41](#_ENREF_41)] | 1918 | Canada | 36 | M | cut | hides or leather | N | sore L neck, swelling L face, neck, chest | AS | NR | F/C, HA | NR | NR | NA | 12 |
| 59 [[40](#_ENREF_40)] | 1918 | USA | 50 | M | cut | hides or leather | N | large pimple on neck | AS | melena | N/V | NR | NR | 4 | 12 |
| 60 [[40](#_ENREF_40)] | 1918 | USA | 54 | M | cut | hides or leather | N | fever and lesion | AS | NR | F/C | NR | NR | NA | 11 |
| 61 [[42](#_ENREF_42)] | 1918 | Canada | A | M | cut | shaving brush | Y | felt "seedy," swollen L face, fever, headache, chills, anorexia | NR | petechial rash, hematemesis, SAH | F/C, N/V, HA | AMS | NA | 1 | 10 |
| 62 [[42](#_ENREF_42)] | 1918 | Canada | A | M | cut | shaving brush | Y | headache, pain in back, numbness of the hands and feet, severe facial swelling, difficulty swallowing, headache | AS | SAH | F/C, N/V, HA | NR | NR | 3 | 12 |
| 63 [[39](#_ENREF_39)] | 1918 | Great Britain | A | M | cut | NR | Y | headache and anemia | NR | SAH | HA | NR | NA | 0 | 9 |
| 64 [[43](#_ENREF_43)] | 1919 | USA | 19 | M | cut | brush making | N | ill, irrational, facial swelling around central pustule with eschar, L neck pain | AS | NR | NR | AMS | NR | NA | 13 |
| 65 [[44](#_ENREF_44)] | 1919 | USA | 21 | M | cut | shaving brush | N | lesion with neck and torso swelling, headache, pleuritic chest pain, vomiting | AS | NR | F/C, N/V, HA | NR | NR | NA | 11 |
| 66 [[44](#_ENREF_44)] | 1919 | USA | 29 | M | cut | shaving brush | N | NR | AS | epistaxis, GI | F/C, HA | NR | NR | 6 | 10 |
| 67 [[44](#_ENREF_44)] | 1919 | USA | 30 | M | cut | shaving brush | N | lesion and pain | AS | NR | NR | NR | NR | NA | 11 |
| 68 [[36](#_ENREF_36)] | 1919 | USA | 31 | M | cut | hides or leather | N | NR | NR | NR | NR | NR | NA | 6 | 8 |
| 69 [[45](#_ENREF_45)] | 1919 | USA | A | M | cut | shaving brush | N | general achiness, small lump on R jaw with increasing swelling | AS | NR | NR | NR | NR | NA | 9 |
| 70 [[45](#_ENREF_45)] | 1919 | USA | A | M | cut | shaving brush | N | headache and nodule on L cheek with eschar and swelling, throat swelling, difficulty swallowing, chills | NR | NR | F/C, N/V, HA | NR | NA | NA | 10 |
| 71 [[46](#_ENREF_46)] | 1920 | USA | 15 | M | cut | NR | Y | coma | NR | NR | F/C, HA | AMS, LOC | NA | 4 | 9 |
| 72 [[47](#_ENREF_47)] | 1920 | USA | 18 | M | cut | hides or leather | N | swelling of face, redness, and fever | AS | NR | F/C | NR | NR | NA | 12 |
| 73 [[47](#_ENREF_47)] | 1920 | USA | 20 | M | cut | shaving brush | N | marked edema of chin | AS | NR | F/C | NR | NR | 8 | 10 |
| 74 [[47](#_ENREF_47)] | 1920 | USA | 25 | M | cut | hides or leather | N | stiff neck, swelling and pimple in center, chills, myalgias, fever | AS | NR | F/C | NR | NR | NA | 13 |
| 75 [[47](#_ENREF_47)] | 1920 | USA | 29 | M | cut | hides or leather | N | pain in neck, anorexia, weakness | AS | NR | F/C | NR | NR | NA | 11 |
| 76 [[47](#_ENREF_47)] | 1920 | USA | 31 | M | cut | shaving brush | N | swollen face | AS | NR | NR | NR | NR | NA | 10 |
| 77 [[36](#_ENREF_36)] | 1920 | USA | 33 | M | cut | hides or leather | N | swelling around point of infection | NR | NR | NR | NR | NA | NA | 8 |
| 78 [[47](#_ENREF_47)] | 1920 | USA | 34 | M | cut | shaving brush? | N | head “pressure,” chills diaphoresis, dizzy | AS | NR | F/C, HA | NR | NR | 5 | 10 |
| 79 [[48](#_ENREF_48)] | 1920 | USA | 34 | M | cut | shaving brush | N | sore on R side of neck | NR | NR | NR | NR | NA | NA | 11 |
| 80 [[49](#_ENREF_49)] | 1920 | Great Britain | 36 | M | cut | shaving brush | N | pustule on the L side of his face | AS | NR | NR | NR | NR | NA | 11 |
| 81 [[46](#_ENREF_46)] | 1920 | USA | 36 | M | unknown | animal hair | N | pain in L neck and L shoulder | NR | GI | NR | NR | NA | 7 | 9 |
| 82 [[50](#_ENREF_50)] | 1920 | USA | 36 | M | inhal | hides or leather | N | sore throat and pain in chest for 1 week, dyspnea, fever, abnormal findings on lung examination, diaphoresis, pharyngeal congestion, odynophagia, chest pain, cough, dyspnea | AS | hemoptysis | F/C | NR | NR | 11 | 12 |
| 83 [[47](#_ENREF_47)] | 1920 | USA | 37 | M | cut | shaving brush | N | dark crusty wound and swelling of L face with edema | AS | NR | NR | NR | NR | NA | 11 |
| 84 [[47](#_ENREF_47)] | 1920 | USA | 43 | M | cut | shaving brush | N | coma | AS | NR | NR | AMS, LOC | NR | 0 | 10 |
| 85 [[47](#_ENREF_47)] | 1920 | USA | 44 | M | cut | wool, processed? | N | lesion on dorsum of L hand with edema of forearm and hand and non-tender axillary adenopathy | AS | NR | NR | NR | NR | NA | 10 |
| 86 [[47](#_ENREF_47)] | 1920 | USA | 45 | M | cut | hides or leather | N | shortness of breath; cough; eschar on jaw; swelling of face, neck, and chest | AS | NR | NR | NR | NR | NA | 10 |
| 87 [[47](#_ENREF_47)] | 1920 | USA | 45 | M | cut | shaving brush | Y | severe headache, pain in neck, nausea, vomiting, fever, sweats, chin swelling | NR | NR | F/C, N/V, HA | NR | NA | 3 | 9 |
| 88 [[47](#_ENREF_47)] | 1920 | USA | 46 | M | cut | shaving brush | N | NR | NR | NR | NR | NR | NA | 3 | 9 |
| 89 [[47](#_ENREF_47)] | 1920 | USA | 47 | M | cut | shaving brush | N | NR | AS | NR | F/C, HA | NR | NR | NA | 13 |
| 90 [[47](#_ENREF_47)] | 1920 | USA | 48 | M | cut | shaving brush | N | swelling of face, neck, and thorax | AS | NR | NR | NR | NR | 1 | 11 |
| 91 [[47](#_ENREF_47)] | 1920 | USA | 48 | M | cut | shaving brush | N | headache, chills, swelling of R side of neck, difficulty swallowing, chills, sweats | AS | NR | F/C, HA | NR | NR | NA | 11 |
| 92 [[47](#_ENREF_47)] | 1920 | USA | 57 | M | cut | brush making | N | sore neck and intense ongoing swelling | AS | NR | NR | NR | NR | 5 | 11 |
| 93 [[47](#_ENREF_47)] | 1920 | USA | 59 | M | cut | shaving brush | N | dyspnea, malignant pustule under R jaw | AS | NR | NR | NR | NR | 3 | 12 |
| 94 [[46](#_ENREF_46)] | 1920 | USA | 62 | M | cut | wool | N | coma | NR | NR | F/C | AMS, LOC | NA | 4 | 10 |
| 95 [[47](#_ENREF_47)] | 1920 | USA | 63 | M | cut | brush making | N | neck lesion and chills | NR | NR | F/C | NR | NA | NA | 8 |
| 96 [[47](#_ENREF_47)] | 1920 | USA | 79 | M | cut | shaving brush | N | pimple | NR | NR | NR | NR | NA | NA | 6 |
| 97 [[47](#_ENREF_47), [51](#_ENREF_51)] | 1920, 1923 | USA | 14 | M | cut | NR | N | ulcer with ring of fused vesicles L cheek, edema of face and neck, nontender lymphadenaopthy | AS | NR | NR | NR | NR | NA | 9 |
| 98 [[47](#_ENREF_47), [51](#_ENREF_51)] | 1920, 1923 | USA | 16 | M | cut | shaving brush | N | lesion of R cheek, edema, adenopathy, fever | AS | NR | F/C | NR | NR | NA | 9 |
| 99 [[47](#_ENREF_47), [51](#_ENREF_51)] | 1920, 1923 | USA | 32 |  | cut | hides or leather | N | swelling of face and entire neck, dyspnea | AS | NR | NR | NR | NR | NA | 9 |
| 100 [[52](#_ENREF_52)] | 1921 | Turkey | 35 | M | NP | NR | N | swelling and nasal obstruction | NR | NR | NR | AMS | NA | 7 | 9 |
| 101 [[53](#_ENREF_53)] | 1922 | USA | 35 | M | cut | shaving brush | N | anthrax pustule L side of neck | AS | NR | NR | NR | NR | NA | 11 |
| 102 [[51](#_ENREF_51)] | 1923 | USA | 17 |  | cut | NR | N | NR | AS | NR | NR | NR | NR | NA | 8 |
| 103 [[51](#_ENREF_51)] | 1923 | USA | 28 |  | cut | NR | N | NR | NR | NR | NR | NR | NA | NA | 6 |
| 104 [[51](#_ENREF_51)] | 1923 | USA | 28 |  | cut | shaving brush | N | NR | AS | NR | NR | NR | NR | NA | 8 |
| 105 [[51](#_ENREF_51)] | 1923 | USA | 30 |  | cut | NR | N | NR | AS | NR | NR | NR | NR | NA | 9 |
| 106 [[51](#_ENREF_51)] | 1923 | USA | 30 |  | cut | shaving brush & hides or leather | N | NR | AS | NR | NR | NR | NR | NA | 9 |
| 107 [[54](#_ENREF_54)] | 1923 | Philippines | 34 | M | NP | NR | N | malaise, fever, severe headache, and slight nasal discharge | NR | GI, pulmonary | F/C, HA | AMS, LOC | NA | 6 | 9 |
| 108 [[55](#_ENREF_55)] | 1923 | USA | 35 | M | cut | animal hair | N | malignant pustule on nose | AS | NR | NR | NR | NR | NA | 11 |
| 109 [[51](#_ENREF_51)] | 1923 | USA | 40 |  | cut | NR | N | NR | AS | NR | NR | NR | NR | NA | 8 |
| 110 [[51](#_ENREF_51)] | 1923 | USA | 41 |  | cut | NR | N | NR | AS | NR | NR | NR | NR | NA | 9 |
| 111 [[51](#_ENREF_51)] | 1923 | USA | 45 |  | cut | hides or leather | N | NR | AS | NR | NR | NR | NR | NA | 8 |
| 112 [[51](#_ENREF_51)] | 1923 | USA | 46 |  | cut | shaving brush | N | NR | NR | NR | NR | NR | NA | 2 | 6 |
| 113 [[51](#_ENREF_51)] | 1923 | USA | 49 |  | cut | shaving brush | N | NR | AS | NR | NR | NR | NR | NA | 7 |
| 114 [[36](#_ENREF_36)] | 1923 | USA | 52 | M | cut | hides or leather | N | pimple on L jaw | NR | NR | NR | NR | NA | 3 | 9 |
| 115 [[51](#_ENREF_51)] | 1923 | USA | 52 |  | cut | hides or leather | N | NR | NR | NR | NR | NR | NA | NA | 7 |
| 116 [[51](#_ENREF_51)] | 1923 | USA | 56 |  | cut | NR | N | NR | AS | NR | NR | NR | NR | NA | 8 |
| 117 [[51](#_ENREF_51)] | 1923 | USA | 59 |  | cut | shaving brush | N | NR | AS | NR | NR | NR | NR | NA | 9 |
| 118 [[51](#_ENREF_51)] | 1923 | USA | 72 |  | cut | NR | N | NR | AS | NR | NR | NR | NR | NA | 8 |
| 119 [[56](#_ENREF_56)] | 1924 | USA | 45 | F | inhal | secondary?/nosocomial? | N | fever, tachycardia, tachypnea, dyspnea, nervousness, cough, indigestion | NR | NR | F/C | NR | NA | 57 | 11 |
| 120 [[57](#_ENREF_57)] | 1924 | South Africa | 47 | M | cut | shaving brush | Y | flu-like illness, small sore on chin, unconscious | NR | SAH | F/C | AMS, LOC | NA | 4 | 11 |
| 121 [[58](#_ENREF_58)] | 1925 | Germany | 34 | M | inhal | hides or leather | N | “not feeling well,” delirium | NR | PE | NR | AMS | NA | 4 | 8 |
| 122 [[58](#_ENREF_58)] | 1925 | Germany | 35 | M | inhal | NR | Y | cyanosis, tachycardia, afebrile, abnormal findings on lung examination, cough, dyspnea, malaise | NR | PE | NR | NR | NA | 4 | 8 |
| 123 [[58](#_ENREF_58)] | 1925 | Germany | 59 | M | inhal | NR | Y | comatose, fever, tachycardia, headache, nausea, fatigue, malaise | NR | PE, pericardial effusion | F/C, N/V, HA | AMS, LOC | NA | 2 | 8 |
| 124 [[36](#_ENREF_36)] | 1925 | USA | 64 | M | cut | brush making | N | sore neck and swelling | NR | NR | NR | AMS | NA | NA | 9 |
| 125 [[59](#_ENREF_59)] | 1926 | USA | 35 | M | cut | wool | Y | swelling of both lids of the R eye extending to the parotid region | NR | SAH | F/C | NR | NA | 7 | 11 |
| 126 [[36](#_ENREF_36)] | 1927 | USA | 52 | M | cut | wool | N | skin eruption and swelling of L neck extending toward sternum | NR | melanotic stools | F/C | NR | NA | NA | 9 |
| 127 [[60](#_ENREF_60)] | 1928 | USA | 28 | M | inhal | animal hair | N | malaise, myalgia, headache, emesis, fever, cough, dyspnea, abdominal pain | NR | vomitus guaiac positive, PE, pericardial effusion | F/C, N/V, HA | NR | NA | 9 | 13 |
| 128 [[61](#_ENREF_61)] | 1928 | China | 46 | M | cut | NR | N | NR | NR | NR | NR | NR | NA | 3 | 7 |
| 129 [[62](#_ENREF_62)] | 1928 | Great Britain | 46 | M | cut | hides or leather | Y | pustule and edema of L neck | AS | SAH | NR | NR | NR | 3 | 13 |
| 130 [[63](#_ENREF_63)] | 1928 | USA | 50 | M | cut | animal hair | N | lesion and swelling of R cheek | NR | NR | N/V | NR | NA | NA | 10 |
| 131 [[61](#_ENREF_61)] | 1928 | China | 55 | F | cut | NR | N | symptoms of anorexia, weakness, and depression | AS | NR | F/C | NR | NR | NA | 8 |
| 132 [[64](#_ENREF_64)] | 1929 | Great Britain | 1 |  | cut | secondary | N | NR | AS | NR | NR | NR | NR | NA | 9 |
| 133 [[65](#_ENREF_65)] | 1929 | USA | 2 | F | inhal | animal contact | N | pneumonia, restlessness, coughing, translucent edema of eye extending to waistline | AS | ascites | F/C | NR | NR | NA | 14 |
| 134 [[66](#_ENREF_66)] | 1929 | Czech Republic | 38 | M | inhal | NR | Y | fever, abnormal findings on lung examination, neurologic deficits, delirium, cyanosis, tachycardia, tachypnea, chest pain, emesis, headache, cough, insomnia, fatigue, anorexia, hoarseness | NR | NR | F/C, N/V, HA | AMS | NA | 6 | 8 |
| 135 [[67](#_ENREF_67)] | 1931 | Germany | 17 | M | inhal | wool | N | tachycardia, abnormal findings on lung examination, fever, chills, pleurisy, cough, dyspnea, hemoptysis | AS | hemoptysis | F/C | NR | NR | NA | 9 |
| 136 [[68](#_ENREF_68)] | 1932 | Great Britain | 24 | M | unknown | NR | Y | unconscious, bleeding from mouth | NR | hematemesis, SAH, GI | N/V, HA | AMS, LOC | NA | NA | 9 |
| 137 [[69](#_ENREF_69)] | 1932 | USA | 63 | M | cut | wool | N | lesion R wrist and extremely ill | AS | hemoptysis, arrhythmia, pulmonary | F/C | NR | NR | NA | 12 |
| 138 [[70](#_ENREF_70)] | 1932 | China | A | M | cut | NR | Y | sore base of R finger, axillary adenopathy | AS | NR | NR | NR | NR | 11 | 10 |
| 139 [[71](#_ENREF_71)] | 1935 | Zimbabwe | 1 | M | cut | NR | N | pustule | NR | NR | NR | NR | NA | 6 | 9 |
| 140 [[71](#_ENREF_71)] | 1935 | Zimbabwe | 5 | M | cut | NR | N | pustule | NR | ascites, GI | NR | NR | NA | 7 | 8 |
| 141 [[71](#_ENREF_71)] | 1935 | Zimbabwe | 15 | M | cut | NR | N | pustule | NR | NR | NR | NR | NA | NA | 9 |
| 142 [[71](#_ENREF_71)] | 1935 | Zimbabwe | 17 | M | cut | NR | N | pustule | NR | NR | NR | NR | NA | NA | 8 |
| 143 [[71](#_ENREF_71)] | 1935 | Zimbabwe | 18 | M | cut | NR | N | pustule | NR | NR | NR | NR | NA | NA | 9 |
| 144 [[72](#_ENREF_72)] | 1935 | Trinidad | 37 | M | cut | shaving brush | N | pimple on R cheek | AS | NR | NR | NR | NR | NA | 11 |
| 145 [[73](#_ENREF_73)] | 1939 | Ireland | 32 | F | cut | NR | Y | "cold sore" on lower lip, stiff neck, semi-conscious, fever | NR | NR | F/C | MS, AMS | NA | 3 | 8 |
| 146 [[74](#_ENREF_74)] | 1940 | Ireland | A | M | cut | ill or dead animal contact | N | sore on R hand | AS | NR | NR | NR | NR | NA | 9 |
| 147 [[75](#_ENREF_75)] | 1941 | Great Britain | 53 | M | cut | NR | N | lesion on back of neck with swelling; vomiting | AS | NR | N/V | NR | NR | NA | 12 |
| 148 [[76](#_ENREF_76)] | 1942 | Wales | 17 | F | cut | brush making | Y | pustule of 2/3 of lower lip, chin | NR | SAH | F/C, HA | NR | NA | NA | 8 |
| 149 [[77](#_ENREF_77)] | 1942 | USA | 38 | M | ingest | brush making | N | face swollen, hypothermia, abdomen tense and distended | NR | hematemesis, ascites | N/V | AMS | NA | 5 | 12 |
| 150 [[78](#_ENREF_78)] | 1942 | USA | 46 | M | cut | wool | N | painless pimple on back of neck, swelling of neck | NR | hematuria | F/C, HA | NR | NA | NA | 12 |
| 151 [[78](#_ENREF_78)] | 1942 | USA | 62 | M | cut | wool | N | lesion on R side of neck | AS | arrhythmia | NR | NR | NR | NA | 13 |
| 152 [[79](#_ENREF_79)] | 1943 | USA | 71 | M | inhal | hides or leather | N | fatigue, headache, rhinorrhea, dyspnea, odynophagia, fever, tachycardia, nasal obstruction, nasal turbinate edema, respiratory distress, tearing, swollen neck, difficulty breathing and swallowing | AS | PE, pericardial effusion | F/C, HA | NR | NR | 8 | 13 |
| 153 [[80](#_ENREF_80)] | 1944 | USA | 34 | F | cut | wool | N | NR | B | NR | NR | NR | NR | NA | 11 |
| 154 [[81](#_ENREF_81)] | 1945 | Canada | 5 | F | cut | NR | N | neck lesion and swelling, fever | B, AS | hematochezia, GI | F/C | NR | NR | NA | 12 |
| 155 [[82](#_ENREF_82)] | 1945 | India | 22 | M | cut | NR | N | gangrenous inflammation of R nose and facial edema, fever, toxic | B | NR | F/C | NR | NR | NA | 10 |
| 156 [[83](#_ENREF_83)] | 1945 | Kenya | 70 | M | cut | NR | N | swelling in neck | B | pulmonary | NR | AMS | NR | NA | 11 |
| 157 [[84](#_ENREF_84)] | 1945 | Great Britain | A | M | cut | wool, processed | N | small blister on L side of neck | B | NR | F/C | NR | NR | NA | 10 |
| 158 [[85](#_ENREF_85)] | 1947 | Palestine | 19 | M | cut | NR | N | inflammatory lesion on L neck | B | NR | NR | NR | NR | NA | 10 |
| 159 [[86](#_ENREF_86)] | 1947 | Iraq | 22 | M | ingest | NR | N | fever, vomiting, abdominal distention, weak heart sounds, abdominal pain, tenderness, exhaustion | NR | ascites | F/C, N/V | NR | NA | 7 | 9 |
| 160 [[87](#_ENREF_87)] | 1947 | USA | 46 | M | inhal | wool, processed? | N | tachycardia, tachypnea, hypotension, diaphoresis, abnormal findings on lung, examination, cyanosis, neurologic deficits, delirium, cough, malaise, dyspnea, fever, headache, chest pain, hemoptysis | NR | hemoptysis, PE, pericardial effusion | F/C, HA | AMS | NA | 5 | 13 |
| 161 [[88](#_ENREF_88), [89](#_ENREF_89)] | 1947, 1948 | USA | 57 | M | cut | wool | Y | vesicular lesion on lip | B, AS | NR | F/C | NR | NR | NA | 12 |
| 162 [[90](#_ENREF_90)] | 1947, 1948 | USA | 59 | M | cut | piano keys from elephant tusks | Y | semi-comatose, chills, fever | B | NR | F/C, N/V | MS, AMS | NR | 5 | 12 |
| 163 [[91](#_ENREF_91)] | 1948 | Mexico | 13 | F | cut | NR | N | fever, tachycardia, hypotension, pimple on lower lip | B | NR | NR | NR | NR | NA | 9 |
| 164 [[92](#_ENREF_92)] | 1948 | USA | 14 | M | cut | ill or dead animal contact | N | lesion | B | NR | F/C | NR | NR | NA | 11 |
| 165 [[92](#_ENREF_92)] | 1948 | USA | 29 | M | cut | ill or dead animal contact | N | lesion, headache, malaise, fever | B | NR | F/C, HA | NR | NR | NA | 12 |
| 166 [[93](#_ENREF_93)] | 1948 | China | 30 | M | NP | NR | Y | unconsciousness | B | NR | F/C, N/V, HA | AMS, LOC | NR | 5 | 12 |
| 167 [[92](#_ENREF_92)] | 1948 | USA | 31 | M | cut | ill or dead animal contact | N | lesion, headache, malaise, fever | B | NR | F/C, HA | NR | NR | NA | 12 |
| 168 [[92](#_ENREF_92)] | 1948 | USA | 33 | M | cut | ill or dead animal contact | N | lesion, headache, malaise, fever | B | NR | F/C, HA | NR | NR | NA | 12 |
| 169 [[93](#_ENREF_93)] | 1948 | China | 44 | M | unknown | wool | Y | unconsciousness | NR | ascites | F/C, N/V, HA | MS, AMS, LOC | NA | 4 | 10 |
| 170 [[88](#_ENREF_88)] | 1948 | USA | 48 | M | cut | wool | N | NR | B | NR | NR | NR | NR | NA | 8 |
| 171 [[94](#_ENREF_94)] | 1948 | USA | 49 | M | cut | hides or leather | N | NR | B | NR | NR | NR | NR | NA | 11 |
| 172 [[94](#_ENREF_94)] | 1948 | USA | 51 | M | cut | wool | Y | severely ill, acute distress. | B | NR | F/C, HA | NR | NR | NA | 12 |
| 173 [[94](#_ENREF_94)] | 1948 | USA | 58 | M | cut | wool | N | sore on face | B | NR | NR | NR | NR | NA | 12 |
| 174 [[88](#_ENREF_88)] | 1948 | USA | 65 | M | cut | wool | N | NR | B | NR | NR | NR | NR | NA | 8 |
| 175 [[95](#_ENREF_95)] | 1949 | Philippines | 3 | F | cut | ill or dead animal ingestion | N | small, reddish, itchy pimples above the L labium majus; fever; diarrhea | B | NR | F/C | NR | NR | NA | 7 |
| 176 [[91](#_ENREF_91)] | 1949 | Mexico | 9 | M | cut | NR | N | small black spot on R lower eyelid | NR | NR | NR | AMS, LOC | NA | NA | 8 |
| 177 [[95](#_ENREF_95)] | 1949 | Philippines | 30 | F | cut | ill or dead animal ingestion | N | small vesicle on the L cheek, fever | B | NR | F/C | NR | NR | NA | 7 |
| 178 [[95](#_ENREF_95)] | 1949 | Philippines | 32 | F | cut | ill or dead animal ingestion | N | fever, two small vesicle on middle and index fingers of L hand | B | NR | F/C | NR | NR | NA | 7 |
| 179 [[95](#_ENREF_95)] | 1949 | Philippines | 36 | M | cut | ill or dead animal ingestion | N | lesions on the R forearm | B | NR | F/C | NR | NR | NA | 10 |
| 180 [[96](#_ENREF_96)] | 1952 | USA | 29 | F | unknown | NR | Y | stupor | BS | NR | N/V, HA | MS, AMS, LOC | NR | 4 | 13 |
| 181 [[96](#_ENREF_96)] | 1952 | USA | 61 | M | unknown | wool | Y | altered mental status | B | SAH | F/C, N/V | MS, AMS | NR | 7 | 12 |
| 182 [[97](#_ENREF_97)] | 1953 | Uganda | 15 | M | unknown | NR | Y | unconscious, vomiting | B | SAH | F/C, N/V | AMS, LOC | NR | 1 | 11 |
| 183 [[98](#_ENREF_98)] | 1953 | USA | A | M | cut | Bacillus anthracis | N | lesion, swelling of forehead | M, B | NR | NR | NR | NR | NA | 11 |
| 184 [[99](#_ENREF_99)] | 1954 | Kenya | 30 | M | inhal | hides or leather | Y | painful swelling L axilla, headache, hematuria | B, AS | hematuria, subconjunctival hemorrhage, hemoptysis, | F/C, HA | MS, AMS | NR | 7 | 11 |
| 185 [[100](#_ENREF_100)] | 1954 | USA | 34 | F | cut | wool | N | NR | BS | NR | NR | NR | NR | NA | 9 |
| 186 [[100](#_ENREF_100)] | 1954 | USA | 36 | F | cut | wool | N | NR | M, BS | NR | NR | NR | NR | NA | 9 |
| 187 [[101](#_ENREF_101), [102](#_ENREF_102)] | 1954, 1980 | USA | 37 | F | inhal | secondary | Y | NR | NR | NR | F/C, N/V, HA | MS, AMS | NA | 6 | 10 |
| 188 [[103](#_ENREF_103)] | 1955 | USA | 42 | M | inhal | wool | N | nausea; fever; chills; pain in abdomen, back, chest; shortness of breath; cough; apprehension | NR | PE, pericardial effusion | F/C, N/V | NR | NA | 6 | 13 |
| 189 [[104](#_ENREF_104)] | 1957 | China | 37 | F | cut | animal contact | N | chills, fever, pain in ear, arthralgias, anorexia, edema of eyelids and lips, cough, dyspnea | B | NR | F/C | NR | NR | NA | 10 |
| 190 [[105](#_ENREF_105)] | 1958 | Mexico | 17 | M | cut | NR | N | NR | B | NR | NR | NR | NR | NA | 9 |
| 191 [[106](#_ENREF_106)] | 1960 | Hungary | 32 | F | cut | NR | Y | generalized convulsions, presumptive eclampsia | AS | NR | NR | AMS | NR | 2 | 10 |
| 192 [[107](#_ENREF_107), [108](#_ENREF_108)] | 1960 | USA | 33 | M | inhal | wool | Y | tightness of the chest | B | NR | F/C | AMS | NR | 5 | 14 |
| 193 [[106](#_ENREF_106)] | 1960 | Hungary | 34 | F | ingest | NR | Y | fever, difficulty swallowing | NR | NR | F/C, HA | AMS | NA | 4 | 10 |
| 194 [[108](#_ENREF_108)] | 1960 | USA | 46 | M | inhal | wool | N | cyanotic and dyspnea, coughing, confusion, malaise | M, B | PE | F/C | AMS | NR | NA | 14 |
| 195 [[107](#_ENREF_107), [108](#_ENREF_108)] | 1960 | USA | 49 | M | inhal | wool | Y | unconscious, cough, chest discomfort | M, B | NR | F/C, N/V | AMS, LOC | NR | 6 | 13 |
| 196 [[107](#_ENREF_107), [108](#_ENREF_108)] | 1960 | USA | 60 | M | inhal | wool | N | dyspnea, cyanosis, episodes of marked weakness, swollen neck, profuse diaphoresis | NR | arrhythmia | F/C, HA | AMS | NA | 4 | 11 |
| 197 [[106](#_ENREF_106)] | 1960 | Hungary | 64 | M | cut | NR | Y | temporary loss of consciousness, seizures, R hemiplegia with R facial paralysis | M, B, AS | NR | NR | AMS | NR | 9 | 13 |
| 198 [[107](#_ENREF_107), [108](#_ENREF_108)] | 1960 | USA | 65 | F | inhal | animal hair | N | cough, chest pain, malaise, fatigue, abdominal pain, chills, fever, cold symptoms | B | PE, pericardial effusion | F/C | NR | NR | 7 | 13 |
| 199 [[109](#_ENREF_109)] | 1961 | USA | 28 | M | inhal | distant exposure | Y | 1-week history of increasing dyspnea, cough, weight loss, hemoptysis, chest pains | B | hemoptysis | N/V | NR | NR | 8 | 14 |
| 200 [[101](#_ENREF_101), [109](#_ENREF_109)] | 1961 | USA | 50 | F | inhal | secondary | Y | symptoms of a "slight cold," comatose | B | SAH | F/C, N/V, HA | MS, AMS, LOC | NR | 4 | 13 |
| 201 [[101](#_ENREF_101), [109](#_ENREF_109)] | 1961, 1980 | USA | 51 | F | inhal | animal hair | N | weakness, chills, nonproductive cough, chest pain, myalgia, abdominal pain, fever | NR | PE | F/C | NR | NA | 3 | 11 |
| 202 [[110](#_ENREF_110)] | 1964 | Iran | 30 | M | inhal | animal contact | N | dehydrated and shock | M, B | hemoptysis | F/C, HA | MS, AMS | NR | 34 | 13 |
| 203 [[111](#_ENREF_111)] | 1964 | France | 39 | M | inhal | NR | Y | malaise, emesis, fever, comatose, abnormal findings on lung examination, neurologic deficits, convulsions, meningeal signs | M, B | NR | F/C, N/V | MS, AMS, LOC | NR | 8 | 10 |
| 204 [[28](#_ENREF_28)] | 1966 | Croatia | 54 | F | inhal | wool | N | tachycardia, fever, chills, cough, chest pain, headache, nausea, constipation, emesis, hemoptysis, anorexia, flu-like symptoms, urticarial | BS | hemoptysis, PE | F/C, N/V, HA | NR | NR | 5 | 11 |
| 205 [[112](#_ENREF_112)] | 1968 | Thailand | 14 | M | ingest | NR | Y | severe abdominal pain and fever | NR | melanotic stools, ascites, pulmonary | F/C, N/V | AMS | NA | 4 | 9 |
| 206 [[113](#_ENREF_113)] | 1968 | Great Britain | 54 | M | inhal | bone meal | N | tenderness in the lumbar region | NR | NR | F/C | NR | NA | 1 | 11 |
| 207 [[112](#_ENREF_112)] | 1968 | Thailand | 60 | M | ingest | undercooked or raw meat ingestion | N | abdominal distention | M, B | melanotic stools, ascites | NR | NR | NR | 8 | 13 |
| 208 [[101](#_ENREF_101), [114](#_ENREF_114)] | 1969 | USA | 46 | M | inhal | secondary | Y | unresponsive, confused, lethargic, perspiring | M, B | PE | F/C | AMS, LOC | NR | 5 | 13 |
| 200 [[115](#_ENREF_115)] | 1970 | Iran | 20 | F | ingest | NR | N | chills, fever, abdominal discomfort | M, B | hematemesis, ascites | F/C, N/V | AMS | NR | 9 | 13 |
| 210 [[116](#_ENREF_116)] | 1971 | Zimbabwe | 35 | M | unknown | NR | Y | severe headache, malaise, mild stiffness, pain in limbs | BS | NR | F/C, HA | MS, AMS | NR | 2 | 9 |
| 211 [[117](#_ENREF_117)] | 1972 | Iran | 8 | F | cut | animal contact | Y | semicomatose | M, B | NR | F/C, N/V, HA | MS, AMS | NR | NA | 13 |
| 212 [[118](#_ENREF_118)] | 1973 | Switzerland | 44 | M | unknown | wool | Y | fever, severe headache, disoriented, subcomatose, meningeal signs | NR | pulmonary | F/C, N/V, HA | MS, AMS | NA | NA | 10 |
| 213 [[119](#_ENREF_119)] | 1973 | Tanzania | 50 | M | cut | NR | Y | unconscious, history of fever, abdominal pain, vomiting | B | NR | F/C, N/V | AMS, LOC | NR | 6 | 10 |
| 214 [[119](#_ENREF_119)] | 1974 | Tanzania | 12 | M | cut | ill or dead animal contact | Y | unconscious, history of fever, headache, vomiting | M, B | NR | F/C, N/V, HA | MS, AMS, LOC | NR | NA | 12 |
| 215 [[120](#_ENREF_120)] | 1974 | Thailand | 40 | M | unknown | NR | Y | 3-day history of fever and headaches; vomiting and semiconscious | B | melanotic stools, SAH,GI | F/C, N/V, HA | MS, AMS, LOC | NR | 4 | 13 |
| 216 [[121](#_ENREF_121)] | 1974 | Great Britain | 68 | M | cut | NR | N | swelling, edema of head and chest | M, B | NR | NR | NR | NR | 11 | 13 |
| 217 [[105](#_ENREF_105)] | 1975 | Mexico | 14 | M | unknown | animal contact | Y | unconsciousness, seizures | M, B | NR | F/C, N/V, HA | MS, AMS, LOC | NR | 5 | 14 |
| 218 [[122](#_ENREF_122)] | 1975 | Iran | 16 | F | inhal | NR | N | shortness of breath; painless swelling in R axilla, extending to chest wall, R breast; shock, apyrexial, scattered rales at lung bases | M, B | NR | NR | AMS | NR | 5 | 12 |
| 219 [[122](#_ENREF_122)] | 1975 | Iran | 34 | M | inhal | NR | N | cough, shortness of breath, hemoptysis | NR | hemoptysis, hematemesis, PE | N/V | NR | NA | 5 | 12 |
| 220 [[123](#_ENREF_123)] | 1975 | Mexico | 36 | M | cut | NR | Y | acute delirium | B | hematochezia, SAH | N/V | AMS | NR | 10 | 13 |
| 221 [[124](#_ENREF_124)] | 1976 | France | 39 | M | inhal | bone meal | Y | circulatory collapse, confusion. | NR | PE | F/C, N/V | AMS, LOC | NA | 1 | 10 |
| 222 [[125](#_ENREF_125)] | 1976 | Great Britain | 53 | M | inhal | bone meal | Y | abdominal pain, pyrexia, sore throat, chest pain | B | PE | F/C | MS, AMS | NR | 4 | 14 |
| 223 [[124](#_ENREF_124)] | 1976 | France | 62 | M | cut | ill or dead animal contact | Y | pustule on R index finger, painful axillary lymphadenitis | B | retinal hemorrhage, SAH | N/V, HA | AMS, LOC | NR | 1 | 12 |
| 224 [[126](#_ENREF_126)] | 1977 | India | 0 | M | ingest | NR | N | ulcerations of R side of hard palate | M, B | NR | NR | NR | NR | NA | 8 |
| 225 [[127](#_ENREF_127)] | 1977 | Bangladesh | 17 | M | ingest | undercooked or raw meat ingestion | N | Admission #1: anorexia, constipation, severe abdominal pain, fever / Admission #2: severe headache, recurrent fever, cough | M, B | GI, scleroconjuctival, ascites, GI, pulmonary | F/C, N/V | NR | NR | NA | 13 |
| 226 [[128](#_ENREF_128)] | 1978 | USA | 32 | M | inhal | wool, processed | Y | fever, sore throat, chest pain, headache, nausea, anorexia | M, B | PE, SAH | F/C, N/V, HA | AMS | NR | NA | 13 |
| 227 [[129](#_ENREF_129)] | 1978 | Iraq | 33 | F | unknown | animal contact | Y | unconsciousness, 3-day history of ILI, 6-hour history of severe headache, nausea, vomiting | NR | subarachnoid, SAH | N/V, HA | AMS, LOC | NA | 4 | 10 |
| 228 [[130](#_ENREF_130)] | 1980 | Zimbabwe | 25 | M | ingest | NR | N | pain in abdomen | M, B | ascites | NR | NR | NR | NA | 12 |
| 229 [[101](#_ENREF_101)] | 1980 | USA | 53 | M | inhal | Bacillus anthracis | N | fever, headache, muscle aches | BS | PE, pericardial effusion | F/C, HA | NR | NR | 6 | 13 |
| 230 [[131](#_ENREF_131)] | 1981 | Zimbabwe | 9 | F | cut | NR | Y | painful swelling with a central dark pustule over the L scapular region, epigastric pain, vomiting, loss of consciousness | M, B | NR | F/C, N/V | MS, AMS, LOC | NR | 7 | 11 |
| 231 [[131](#_ENREF_131)] | 1981 | Zimbabwe | 40 | M | cut | ill or dead animal contact | Y | two “grand mal” seizures | NR | subserosal and subcutaneous hemorrhage, SAH | NR | MS, AMS | NA | 1 | 11 |
| 232 [[131](#_ENREF_131)] | 1981 | Zimbabwe | 56 | F | cut | NR | Y | coma, sore on L middle finger, swelling of arm | M, B | NR | F/C | MS, AMS, LOC | NR | 5 | 11 |
| 233 [[131](#_ENREF_131)] | 1981 | Zimbabwe | 57 | M | cut | NR | Y | swollen R thumb, "feeling unwell," unconsciousness | M, B | NR | N/V, HA | MS, AMS, LOC | NR | 9 | 11 |
| 234 [[131](#_ENREF_131)] | 1981 | Zimbabwe | 58 | M | cut | NR | Y | seizures, nausea, headache, skin lesion, abdominal pain | B | SAH, pulmonary | F/C, N/V, HA | MS, AMS, LOC | NR | 6 | 12 |
| 235 [[132](#_ENREF_132), [133](#_ENREF_133)] | 1981, 1990 | India | 63 | M | inhal | animal contact | Y | mild fever, urinary incontinence syncope, cough, fever | M, B | NR | F/C, HA | AMS | NR | 3 | 13 |
| 236 [[134](#_ENREF_134)] | 1983 | India | 45 | F | unknown | NR | Y | fever, severe bifrontal headache, altered mental status | M, B | NR | F/C, HA | MS, AMS, LOC | NR | 3 | 12 |
| 237 [[135](#_ENREF_135)] | 1983 | India | 45 | M | unknown | NR | Y | fever, headache, cough, vomiting | M, B | NR | F/C, N/V, HA | MS, AMS | NR | 16 | 12 |
| 238 [[136](#_ENREF_136)] | 1983 | Belgium | 52 | M | cut | Bacillus anthracis | N | vesicle, erythema, edema on finger of L hand; fever; arm swollen and edematous; axillary adenopathy | BS | NR | F/C | NR | NR | NA | 12 |
| 239 [[137](#_ENREF_137)] | 1985 | Thailand | 59 | M | ingest | undercooked or raw meat ingestion | N | sore throat, neck swelling | B | NR | NR | NR | NR | 2 | 11 |
| 240 [[138](#_ENREF_138), [139](#_ENREF_139)] | 1985, 1990 | India | 40 | M | ingest | ill or dead animal ingestion | Y | severe abdominal pain, loose bowel motions, vomiting, restless, incoherent, grossly dehydrated, afebrile | M, B | ascites | N/V | AMS | NR | 2 | 13 |
| 241 [[140](#_ENREF_140)] | 1986 | Turkey | 16 | F | ingest | ill or dead animal ingestion | N | fever, sore throat, swelling of L side of neck, severe toxemia | NR | Pulmonary, GI | F/C | NR | NA | 1 | 10 |
| 242 [[140](#_ENREF_140)] | 1986 | Turkey | 18 | F | ingest | ill or dead animal ingestion | N | fever, dysphagia, sore throat, respiratory distress, lesion on R tonsil | M, B | NR | F/C | NR | NR | 5 | 12 |
| 243 [[140](#_ENREF_140)] | 1986 | Turkey | 26 | F | ingest | ill or dead animal ingestion | N | fever, dysphagia, sore throat, respiratory distress, lesion on tongue | B | NR | F/C | NR | NR | NA | 10 |
| 244 [[140](#_ENREF_140)] | 1986 | Turkey | 35 | F | ingest | ill or dead animal contact | N | fever, sore throat, swelling of neck, severe toxemia, ulceration on L tonsil, nodule on L side of neck, respiratory distress, cyanosis, mucosal bleeding | B | Mucosal bleeding | F/C | AMS | NR | 4 | 11 |
| 245 [[140](#_ENREF_140)] | 1986 | Turkey | 40 | F | ingest | NR | N | fever, sore throat, respiratory distress, dysphagia, unpleasant odor from mouth, ulcerative R tonsil covered with white membrane, swollen and enlarged palate, nodule on R side of neck | B | NR | F/C | NR | NR | NA | 9 |
| 246 [[140](#_ENREF_140)] | 1986 | Turkey | 46 | F | ingest | NR | N | fever, painful and swollen neck, mass on neck, R tonsil was hyperemic and ulcerative | B | NR | F/C | NR | NR | NA | 9 |
| 247 [[141](#_ENREF_141)] | 1989 | India | 25 | M | unknown | shaving brush | Y | bitemporal throbbing headache, vomiting, fever | B | NR | F/C, N/V, HA | MS, AMS, LOC | NR | NA | 14 |
| 248 [[133](#_ENREF_133)] | 1990 | India | 25 | M | cut | animal contact | Y | NR | NR | NR | F/C, N/V, HA | AMS | NA | NA | 7 |
| 249 [[139](#_ENREF_139)] | 1990 | India | 35 | M | cut | NR | N | shock, ulcer on R forearm with drainage and edema | NR | NR | F/C | NR | NA | 5 | 8 |
| 250 [[142](#_ENREF_142), [143](#_ENREF_143)] | 2009, 1990 | India | 35 | M | cut | animal contact | Y | fever, neck stiffness, stuporose, b/l dilated fixed pupils, R hemiplegia, hemianaesthesia, altered mental status | B | NR | F/C | AMS, LOC | NR | 3 | 13 |
| 251 [[142-144](#_ENREF_142)] | 2009, 1990 | India | 37 | M | cut | animal contact | Y | fever, neck stiffness, R ptosis, dilated non-reactive pupil, L hemiplegia | M, B | NR | F/C | MS, AMS, LOC | NR | 2 | 14 |
| 252 [[133](#_ENREF_133)] | 1990 | India | 40 | M | unknown | animal contact | Y | NR | NR | NR | F/C, N/V | AMS | NA | NA | 7 |
| 253 [[139](#_ENREF_139)] | 1990 | India | 45 | M | ingest | animal contact | Y | Fever | NR | NR | F/C, N/V, HA | MS, AMS | NA | 4 | 9 |
| 254 [[142-144](#_ENREF_142)] | 2009, 1990 | India | 50 | M | cut | animal contact | Y | fever, neck stiffness, stupurose, giddiness | M, B | NR | F/C | MS, AMS | NR | 1 | 14 |
| 255 [[133](#_ENREF_133)] | 1990 | India | 55 | F | inject | NR | N | dysphonia, toxic, edema or R upper limb and R side of neck and chest | B | NR | F/C | NR | NR | NA | 11 |
| 256 [[145](#_ENREF_145)] | 1991 | Switzerland | 37 | M | inhal | wool | N | cough, fever, dyspnea, hematemesis, melena, head cold symptoms, tachycardia | M, B | hematemesis, melana, PE | F/C | NR | NR | NA | 11 |
| 257 [[146](#_ENREF_146)] | 1991 | Switzerland | 54 | F | inhal | NR | Y | fever, generalized weakness, nausea, back pain, comatose, hypothermic, cyanosis | M, B | PE | F/C, N/V | AMS, LOC | NR | 6 | 11 |
| 258 [[147](#_ENREF_147)] | 1992 | India | 30 | M | unknown | NR | Y | high grade fever, drowsiness, loss of consciousness | M, B | NR | F/C | MS, AMS | NR | 2 | 13 |
| 259 [[148](#_ENREF_148)] | 1993 | Iran | 6 | M | ingest | ill or dead animal ingestion | Y | fever, headache, vomiting | M, B | PE | F/C, N/V, HA | MS | NR | NA | 12 |
| 260 [[148](#_ENREF_148)] | 1994 | Iran | 2 | F | ingest | ill or dead animal ingestion | Y | fever, seizures, swelling of parietal area of skull | M, B | NR | F/C | MS, AMS, LOC | NR | 1 | 11 |
| 261 [[149](#_ENREF_149)] | 1994 | Russia | 13 | M | inhal | animal contact | Y | NR | M, B | NR | NR | NR | NR | NA | 8 |
| 262 [[150](#_ENREF_150)] | 1994 | India | 30 | M | unknown | ill or dead animal ingestion | Y | NR | B | NR | F/C, N/V, HA | MS, AMS | NR | 3 | 11 |
| 263 [[151](#_ENREF_151)] | 1994 | France | 33 | M | inhal | NR | N | fever, tachycardia, hypotension, dyspnoea, mucopurulent expectoration and moderate diarrhea | M, B | PE | F/C | NR | NR | 10 | 12 |
| 264 [[150](#_ENREF_150)] | 1994 | India | 55 | M | cut | ill or dead animal ingestion | Y | lesion on index finger, headache, vomiting | B | NR | F/C, N/V, HA | MS, AMS, LOC | NR | 3 | 12 |
| 265 [[150](#_ENREF_150)] | 1994 | India | 55 | M | unknown | ill or dead animal ingestion | N | fever, seizures, coma, stiff neck | B | NR | F/C | MS, AMS, LOC | NR | 1 | 11 |
| 266 [[150](#_ENREF_150)] | 1994 | India | 55 | M | unknown | ill or dead animal ingestion | N | fever, seizures, coma, stiff neck | B | NR | F/C | MS, AMS, LOC | NR | 1 | 11 |
| 267 [[150](#_ENREF_150)] | 1994 | India | 55 | M | cut | ill or dead animal ingestion | Y | lesion on forehead | B | NR | F/C | AMS | NR | 4 | 12 |
| 268 [[152](#_ENREF_152)] | 1995 | Iran | 2 | F | ingest | ill or dead animal, ingestion | N | shock, dehydration, restlessness, confusion, acute distress, nausea, vomiting, loose stools, abdominal distension | M, B | hematemesis, ascites | F/C, N/V | AMS | NR | 4 | 13 |
| 269 [[153](#_ENREF_153)] | 1996 | France | 11 | F | ingest | ill or dead animal ingestion | Y | drowsiness preceded by abdominal pain, vomiting, fever, and headache | NR | NR | F/C, N/V, HA | AMS, LOC | NA | 7 | 13 |
| 270 [[154](#_ENREF_154)] | 1997 | Spain | 50 | M | cut | NR | Y | mental deterioration and confu­sion, loss of consciousness, malignant pustule on the chin | NR | NR | F/C | AMS | NA | 24 | 10 |
| 271 [[155](#_ENREF_155)] | 1997 | Great Britain | 57 | M | cut | hides or leather | N | “feeling feverish and unwell,” fainting | M, B | NR | F/C | NR | NR | NA | 13 |
| 272 [[156](#_ENREF_156), [157](#_ENREF_157)] | 1997, 2003 | Hong Kong | 13 | M | ingest | NR | Y | vomiting and diarrhea, headache, RLQ pain, fever, chills, abdominal pain | M, B | ascites, SAH | F/C, N/V | NR | NR | 10 | 12 |
| 273 [[158](#_ENREF_158)] | 1999 | Turkey | 16 | M | cut | animal contact | N | rash on front of neck | M, B | NR | F/C | AMS | NR | NA | 12 |
| 274 [[159](#_ENREF_159)] | 1999 | Spain | 49 | M | cut | animal contact | Y | necrotic lesion on chin with surrounding gelatinous edema and a 3-day history of obtundation | B | NR | F/C | MS, AMS | NR | 7 | 14 |
| 275 [[160](#_ENREF_160)] | 2000 | Turkey | 0 | M | cut | hides or leather | N | refusal to suckle, cyanosis, fever, or hypotonia | M, B | NR | F/C | NR | NR | NA | 14 |
| 276 [[161](#_ENREF_161)] | 2001 | India | 0 | F | cut | flies? | N | painless lesion R buttock | B | NR | NR | NR | NR | NA | 10 |
| 277 [[162](#_ENREF_162)] | 2001 | India | 5 | M | cut | ill or dead animal contact | N | painless ulcer on upper lip | B | NR | F/C | NR | NR | NA | 11 |
| 278 [[163](#_ENREF_163)] | 2001 | Iran | 20 | F | cut | animal contact | N | pruritic and painless lesion on R side of neck | M, B | hematuria | NR | AMS | NR | NA | 11 |
| 279 [[164-166](#_ENREF_164)] | 2001 | USA | 43 | F | inhal | Bacillus anthracis | N | fevers, chills, cough, chest pain, shortness of breath, myalgias, fatigue, nausea, vomiting head stuffiness, headache, confusion | M, B | PE | F/C, N/V, HA | AMS | NR | NA | 14 |
| 280 [[165-168](#_ENREF_165)] | 2001 | USA | 47 | M | inhal | Bacillus anthracis | N | diaphoresis, 5-day history of progressive fatigue, mild abdominal discomfort, weakness, nausea, vomiting, and light-headedness | M, B | PE, ascites | N/V | NR | NR | 7 | 15 |
| 281 [[169](#_ENREF_169)] | 2001 | South Korea | 53 | M | cut | meat ingestion | N | fever, bullous lesions on L forearm | B | SAH | F/C | AMS | NR | 12 | 14 |
| 282 [[170](#_ENREF_170)] | 2001 | Turkey | 54 | F | cut | animal contact | N | pain, itching and swelling of R eyelids | B | NR | F/C | NR | NR | NA | 12 |
| 283 [[165-167](#_ENREF_165)] | 2001 | USA | 55 | M | inhal | Bacillus anthracis | N | severe dyspnea, myalgias, weakness, retrosternal chest pressure, high fever, chills, nausea, vomiting, cough productive of scant greenish sputum, chest tightness, fatigue, shortness of breath | B | PE, arrhythmia | F/C, N/V | NR | NR | 6 | 15 |
| 284 [[166](#_ENREF_166), [171](#_ENREF_171)] | 2001 | USA | 56 | M | inhal | Bacillus anthracis | N | 3-day onset of low-grade fever, chills, sore throat, headache, and malaise followed by minimal dry cough, chest heaviness, dyspnea, night sweats, nausea, and vomiting | M, B | hematemesis, PE | F/C, N/V, HA | NR | NR | NA | 14 |
| 285 [[166](#_ENREF_166), [171](#_ENREF_171)] | 2001 | USA | 56 | M | inhal | Bacillus anthracis | N | 1- to 3-day history of worsening headache accompanied by low-grade fever, chills, sore throat, myalgias, nausea, malaise, drenching sweats, intermittent blurred vision, photophobia. A mild dry cough, dyspnea on exertion, and pleuritic chest pain | M, B | PE | F/C, N/V, HA | MS | NR | NA | 14 |
| 286 [[165](#_ENREF_165), [166](#_ENREF_166)] | 2001 | USA | 56 | F | inhal | Bacillus anthracis | N | vomiting, diarrhea, fever, cough, shortness of breath, chest pain | M, B | PE | F/C, N/V, HA | NR | NR | NA | 14 |
| 287 [[164](#_ENREF_164), [166](#_ENREF_166)] | 2001 | USA | 59 | M | inhal | Bacillus anthracis | N | diaphoresis, fatigue, mayalgias, chills, headache, nausea, vomiting, abdominal pain, cough with scant white sputum, and substernal chest pain | M, B | GI, PE, pericardial effusion, arrhythmia | F/C, N/V, HA | MS | NR | NA | 14 |
| 288 [[164-166](#_ENREF_164), [172-174](#_ENREF_172)] | 2001 | USA | 61 | F | inhal | Bacillus anthracis | N | malaise, myalgias, fatigue, chills, chest pain, dyspnea, and cough productive of pink-tinged sputum | M, B | PE, pericardial effusion | F/C | NR | NR | 7 | 15 |
| 289 [[175](#_ENREF_175)] | 2001 | Turkey | 64 | M | inhal | wool | Y | malaise, headache, abdominal pain, high fever, shortness of breath, coma, dyspnea, unconsciousness | M, B | SAH, PE | F/C, N/V, HA | AMS, LOC | NR | 4 | 13 |
| 290 [[169](#_ENREF_169)] | 2001 | South Korea | 72 | F | cut | meat ingestion | N | semicomatose | NR | intraventricular, SAH | NR | MS, AMS | NA | 7 | 10 |
| 291 [[165](#_ENREF_165), [166](#_ENREF_166)] | 2001 | USA | 73 | M | inhal | Bacillus anthracis | N | fatigue, nonproductive cough, rhinorrhea, and conjunctivitis, exertional dyspnea, fever, and diaphoresis, abdominal pain, vomiting, intermittent confusion | M, B | lung, PE, arrhythmia | F/C, N/V | AMS | NR | NA | 14 |
| 292 [[165](#_ENREF_165), [166](#_ENREF_166), [176](#_ENREF_176)] | 2001, 2001 | USA | 63 | M | inhal | Bacillus anthracis | Y | fever, vomiting, confusion, myalgias, malaise | M, B | PE | F/C, N/V | AMS | NR | 9 | 15 |
| 293 [[177](#_ENREF_177)] | 2002 | USA | 0 | M | cut | Bacillus anthracis | N | painless red macule on proximal medial aspect of L arm with swelling. | M, B | NR | NR | NR | NR | NA | 13 |
| 294 [[178](#_ENREF_178)] | 2002 | Iran | 15 | M | ingest | undercooked or raw meat ingestion | N | fever, abdominal pain, bloody diarrhea | B | hematemesis and hematochezia | F/C, HA | NR | NR | NA | 12 |
| 295 [[179](#_ENREF_179)] | 2002 | Turkey | 19 | M | cut | ill or dead animal contact | Y | unconscious, wound on L hand | B | subarachnoid, SAH | F/C, N/V, HA | MS, AMS, LOC | NR | 2 | 11 |
| 296 [[180](#_ENREF_180)] | 2002 | India | 21 | F | ingest | undercooked or raw meat ingestion | N | abdominal pain, vomiting, bloody diarrhea, abdominal distension | B | ascites | N/V | NR | NR | 3 | 12 |
| 297 [[144](#_ENREF_144)] | 2002 | India | 35 | M | cut | NR | Y | fever, loss of consciousness, chest wall swelling | B | NR | F/C | MS, AMS, LOC | NR | 3 | 13 |
| 298 [[142](#_ENREF_142), [144](#_ENREF_144)] | 2002 | India | 35 | M | cut | animal contact | Y | fever, neck stiffness, comatose, b/l dilated sluggishly reacting pupils, b/l mute plantar reflexes | M, B | NR | F/C | MS, AMS, LOC | NR | 3 | 14 |
| 299 [[144](#_ENREF_144)] | 2002 | India | 38 | M | unknown | NR | N | fever, loss of consciousness | B | NR | F/C | MS, AMS, LOC | NR | 3 | 13 |
| 300 [[144](#_ENREF_144)] | 2002 | India | 40 | M | unknown | NR | Y | fever, altered sensorium | M, B | NR | F/C | MS, AMS, LOC | NR | 6 | 13 |
| 301 [[181](#_ENREF_181)] | 2002 | Turkey | 42 | M | unknown | animal contact | Y | fever, malaise, headache, fatigue, loss of consciousness | B | PE, pericardial effusion | F/C, HA | AMS | NR | 4 | 13 |
| 302 [[142](#_ENREF_142), [144](#_ENREF_144)] | 2002 | India | 53 | M | cut | animal contact | Y | fever, neck stiffness, unconscious, anisocoria, R hemiplegia, R extensor plantar, generalized hypertonia, asymmetric hyperreflexia | M, B | NR | F/C | AMS, LOC | NR | 3 | 14 |
| 303 [[142](#_ENREF_142), [144](#_ENREF_144)] | 2002 | India | 57 | M | cut | hides or leathe r | Y | fever, neck stiffness, loss of consciousness, fever, b/l dilated fixed pupils, hypertonia of all limbs, b/l extensor plantar | B | NR | F/C | MS, AMS, LOC | NR | 4 | 14 |
| 304 [[142](#_ENREF_142), [144](#_ENREF_144)] | 2002 | India | 64 | M | unknown | animal contact | Y | fever, loss of consciousness, neck stiffness, 4-hour history of coma, b/l dilated fixed pupils, generalized hypotonic b/l extensor plantar | B | NR | F/C | AMS, LOC | NR | 2 | 14 |
| 305 [[144](#_ENREF_144)] | 2002 | India | 65 | M | cut | NR | Y | fever, loss of consciousness | B | NR | F/C | MS, AMS, LOC | NR | 2 | 13 |
| 306 [[165](#_ENREF_165), [182](#_ENREF_182), [183](#_ENREF_183)] | 2002 | USA | 94 | F | inhal | Bacillus anthracis | N | fever, fatigue, myalgias, dry cough, shortness of breath | M, B | PE, pericardial effusion | F/C | AMS | NR | 9 | 15 |
| 307 [[184](#_ENREF_184)] | 2003 | Hong Kong | 2 | M | ingest | NR | Y | fever, anorexia, abdominal pain, irritability, vomiting, and dyspnea | NR | NR | F/C, N/V | AMS, LOC | NA | 4 | 10 |
| 308 [[185](#_ENREF_185)] | 2003 | Lebanon | 7 | M | ingest | undercooked or raw meat ingestion | N | umbilical pain, vomiting, fever | B | hemorrhagic mucosa, ascites | F/C, N/V, HA | NR | NR | NA | 12 |
| 309 [[185](#_ENREF_185)] | 2003 | Lebanon | 15 | M | ingest | undercooked or raw meat ingestion | N | ascites, oculofacial congestion, shock, | B | ascites | F/C, N/V, HA | NR | NR | NA | 10 |
| 310 [[185](#_ENREF_185)] | 2003 | Lebanon | 17 | M | ingest | undercooked or raw meat ingestion | N | abdominal pain, generalized weakness, high-grade fever | M, B | ascites | F/C, N/V, HA | NR | NR | NA | 9 |
| 311 [[185](#_ENREF_185)] | 2003 | Lebanon | 20 | F | ingest | undercooked or raw meat ingestion | N | abdominal pain, shock | NR | ascites | F/C, N/V, HA | NR | NA | NA | 10 |
| 312 [[185](#_ENREF_185)] | 2003 | Lebanon | 24 | M | ingest | undercooked or raw meat ingestion | N | severe nausea, vomiting, abdominal pain | B | ascites | F/C, N/V, HA | NR | NR | NA | 11 |
| 313 [[185](#_ENREF_185)] | 2003 | Lebanon | 26 | M | ingest | undercooked or raw meat ingestion | N | shock, abdominal pain, nausea, vomiting, generalized weakness | B | ascites | F/C, N/V, HA | NR | NR | 5 | 11 |
| 314 [[186](#_ENREF_186)] | 2003 | Turkey | 29 | F | cut | NR | N | fever, swelling of R arm and weeping lesion at R elbow | B | NR | F/C | NR | NR | NA | 12 |
| 315 [[186](#_ENREF_186)] | 2003 | Turkey | 33 | F | cut | ill or dead animal contact | N | fever, submandibular eschar, edema of face, neck, and upper thorax that inhibited respiratory function | M, B | NR | F/C | NR | NR | NA | 12 |
| 316 [[187](#_ENREF_187)] | 2003 | Iran | 42 | M | ingest | ill or dead animal ingestion | N | NR | NR | NR | NR | NR | NA | NA | 6 |
| 317 [[188](#_ENREF_188)] | 2005 | India | 10 | M | NP | distant exposure | N | 2-day history of fever and facial swelling, nasal hemorrhage one day prior to admission that stopped spontaneously | M, B | nasal , epistaxis, pulmonary | F/C | NR | NR | 4 | 12 |
| 318 [[189](#_ENREF_189)] | 2005 | Turkey | 36 | M | cut | ill or dead animal contact | Y | loss of consciousness | B | arrhythmia, SAH | NR | AMS, LOC | NR | 3 | 12 |
| 319 [[190](#_ENREF_190)] | 2006 | Turkey | 11 | M | cut | ill or dead animal contact | Y | papules on the oral surface of his lips, fever, headache, sore throat | M, B | NR | F/C, HA | MS, AMS, LOC | NR | 4 | 12 |
| 320 [[191](#_ENREF_191)] | 2006 | Iran | 12 | M | ingest | ill or dead animal ingestion | N | history of abdominal pain, fever, nausea, anorexia, vomiting and diarrhea | B | ascites | F/C, N/V | NR | NR | NA | 12 |
| 321 [[192](#_ENREF_192)] | 2006 | Turkey | 12 | M | cut | ill or dead animal contact | Y | loss of consciousness and seizures | NR | NR | NR | AMS, LOC | NA | 2 | 9 |
| 322 [[191](#_ENREF_191)] | 2006 | Iran | 14 | F | ingest | ill or dead animal ingestion | N | fever, sore throat, dysphagia, hoarseness, painful swelling of the neck | B | NR | F/C | NR | NR | NA | 11 |
| 323 [[193](#_ENREF_193)] | 2006 | Lebanon | 25 | M | ingest | ill or dead animal ingestion | N | dizziness, fatigue, myalgia, mild fever, distention of abdomen | M, B | ascites | F/C | NR | NR | NA | 12 |
| 324 [[191](#_ENREF_191)] | 2006 | Iran | 34 | F | ingest | ill or dead animal ingestion | Y | history of fever, abdominal pain, nausea, and vomiting | B | NR | F/C, N/V, HA | AMS | NR | 6 | 12 |
| 325 [[194](#_ENREF_194), [195](#_ENREF_195)] | 2007 | USA | 44 | M | inhal | hides or leather | N | dyspnea, nonproductive cough, chest pain, diaphoresis, shortness of breath, dry cough, malaise | M, B, AS | PE, pericardial effusion | F/C | NR | NR | NA | 14 |
| 326 [[196](#_ENREF_196)] | 2007 | Greece | 60 | M | cut | animal contact | N | high fever, raised hemorrhagic bullae on L forearm | M, B | NR | F/C | NR | NR | NA | 12 |
| 327 [[197](#_ENREF_197)] | 2007 | India | 70 | M | unknown |  | Y | unconscious | M, B | PE, Pulmonary | F/C, N/V, HA | MS, AMS | NR | NA | 11 |
| 328 [[198](#_ENREF_198), [199](#_ENREF_199)] | 2008 | Great Britain | A | M | inhal | hides or leather | N | fever, night sweats, rigors | M, B, AS | PE | F/C | NR | NR | 15 | 11 |
| 329 [[142](#_ENREF_142)] | 2009 | India | 45 | M | unknown | animal contact | Y | fever, cold clammy extremities, neck stiffness, comatose, b/l dilated fixed pupils, generalized hypotonia, b/l extensor plantar | B | NR | F/C | AMS, LOC | NR | 2 | 14 |
| 330 [[200](#_ENREF_200)] | 2009 | Turkey | 46 | F | cut | animal contact | Y | headache, loss of consciousness | M, B | NR | HA | AMS | NR | NA | 10 |
| 331 [[142](#_ENREF_142), [144](#_ENREF_144)] | 2009 | India | 47 | M | unknown | animal contact | Y | fever, neck stiffness, comatose, b/l dilated fixed pupils, b/l extensor plantar | M, B | NR | F/C | MS, AMS, LOC | NR | 4 | 14 |
| 332 [[201](#_ENREF_201)] | 2009 | France | 56 | M | cut | ill or dead animal contact | N | ulcerations; swelling; pain of R forearm, arm, and axilla, and the L hand | M, B | NR | F/C | NR | NR | NA | 11 |
| 333 [[142](#_ENREF_142)] | 2009 | India | 58 | M | cut | animal contact | Y | fever, neck stiffness, altered mental status, L hemiplegia, L extensor plantar, generalized hypertonia, asymmetric hyper reflexia, b/l, L focal seizures | B | NR | F/C | MS, AMS | NR | 1 | 14 |
| 334 [[202](#_ENREF_202)] | 2009 | Turkey | 59 | M | ingest | meat ingestion | N | abdominal tenderness, distension and rebound | M, B | ascites | F/C | NR | NR | 13 | 13 |
| 335 [[203](#_ENREF_203)] | 2010 | Turkey | 0 | M | cut | secondary | N | NR | M, B | NR | NR | NR | NR | NA | 11 |
| 336 [[204](#_ENREF_204)] | 2010 | Iran | 13 | F | ingest | ill or dead animal ingestion | N | cyanosis, circulatory collapse, fever, chills, vomiting | B | ascites | F/C, N/V | NR | NR | NA | 11 |
| 337 [[205](#_ENREF_205), [206](#_ENREF_206)] | 2010 | USA | 24 | F | unknown | drums | N | abdominal pain, vomiting, ascites, and shock, fevers, headache, and diffuse body aches, back pain, diaphoresis, tired, restless | M, B, AS | PE, ascites, GI, pulmonary | F/C, N/V, HA | NR | NR | NA | 14 |
| 338 [[207](#_ENREF_207)] | 2010 | Iran | 33 | M | unknown | animal contact | Y | headache, vomiting, fever, decreased levels of consciousness | M, B | PE, SAH | F/C, N/V, HA | MS, AMS | NR | 5 | 12 |
| 339 [[208](#_ENREF_208)] | 2010 | Germany | 42 | M | inject | heroin | N | swelling of leg | B | NR | NR | NR | NR | 8 | 10 |
| 340 [[209](#_ENREF_209)] | 2010 | Turkey | 43 | F | ingest | meat ingestion | N | abdominal pain, nausea, vomiting, weakness, pharyngeal soreness, swelling of the neck, fever, dysphagia | B | GI hemorrhage, ascites | F/C, N/V | NR | NR | 22 | 11 |
| 341 [[204](#_ENREF_204)] | 2010 | Iran | 67 | M | inhal | NR | N | dyspnea, productive cough, anorexia, weight loss, night sweats, fever, chills | B | ascites, GI | F/C | NR | NR | 28 | 10 |
| 342 [[210](#_ENREF_210), [211](#_ENREF_211)] | 2010, 2012 | Turkey | 30 | M | cut | hides or leather | N | toxemic appearance, hypothermia, lesion on neck | M, B | NR | NR | NR | NR | NA | 12 |
| 343 [[210](#_ENREF_210), [211](#_ENREF_211)] | 2010, 2012 | Turkey | 44 | M | cut | ill or dead animal contact | N | toxemic appearance, hypothermia, edema, and bullous lesions on R arm. | B | NR | NR | NR | NR | NA | 12 |
| 344 [[212](#_ENREF_212)] | 2011 | Turkey | 17 | F | cut | NR | N | itchy and erythematous papule on R lower eyelid | B | NR | F/C | NR | NR | NA | 8 |
| 345 [[213](#_ENREF_213)] | 2011 | Scotland | 24 | M | inject | heroin | N | acute abdominal pain, tissue swelling of R thigh | AS | ascites, GI | F/C, N/V | NR | NR | NA | 13 |
| 346 [[214](#_ENREF_214)] | 2011 | Great Britain | 28 | F | inject | heroin | N | pain and swelling of R arm extending to R shoulder | M, B | bleeding from fasciotomy site | F/C | NR | NR | NA | 13 |
| 347 [[215](#_ENREF_215)] | 2011 | Turkey | 32 | M | cut | ill or dead animal contact | N | wound on R arm | B | NR | F/C | NR | NR | NA | 10 |
| 348 [[216](#_ENREF_216)] | 2011 | Peru | 45 | M | cut | ill or dead animal contact | Y | fever, shock, painless ulcerative skin lesion on R hand, meningeal signs, chest pain | NR | PE | F/C | MS, AMS | NA | NA | 8 |
| 349 | 2011 | USA | 61 | M | inhal | NR | N | dyspnea, cough, fever, chills, and fatigue | M, B, AS | PE | F/C | NR | NR | NA | 13 |
| 350 [[217](#_ENREF_217)] | 2012 | Turkey | 42 | F | ingest | ill or dead animal ingestion | N | neck swelling, difficulty swallowing and breathing, chills and fever | M, B | hematochezia, ascites | F/C | NR | NR | 19 | 12 |
| 351 [[218](#_ENREF_218)] | 2012 | Germany | 50 |  | inject | NR | N | reddening and swelling of injection site | NR | massive disseminated bleeding | F/C, N/V | NR | NA | 3 | 11 |
| 352 [[219](#_ENREF_219)] | 2012 | Greece | 60 | M | cut | ill or dead animal contact | N | high fever accompanied by rigors, malaise, and generalized weakness; 3 pruritic papular lesions on L forearm | M, B | NR | F/C | NR | NR | NA | 12 |
| 353 [[220](#_ENREF_220)] | 2013 | Iran | 17 | M | ingest | undercooked or raw meat ingestion | N | abdominal pain and distention | NR | hematochezia, ascites | NR | NR | NA | NA | 11 |
| 354 [[220](#_ENREF_220)] | 2013 | Iran | 17 | M | ingest | undercooked or raw meat ingestion | N | abdominal pain and distention | NR | GI hemorrhage, ascites | NR | NR | NA | NA | 10 |
| 355 [[220](#_ENREF_220)] | 2013 | Iran | 23 | M | ingest | undercooked or raw meat ingestion | N | fever, abdominal pain and bloody diarrhea, weak, intravascular depletion | B | melanotic stools, ascites, pulmonary | F/C | NR | NR | 1 | 11 |
| 356 [[221](#_ENREF_221)] | 2013 | Ethiopia | 25 | M | cut | ill or dead animal contact | N | skin lesion below the L eyelid | M, B | NR | F/C | NR | NR | NA | 10 |
| 357 [[220](#_ENREF_220)] | 2013 | Iran | 25 | M | ingest | undercooked or raw meat ingestion | N | abdominal pain and distention, dyspnea, bloody diarrhea | NR | melanotic stools, ascites | N/V | NR | NA | NA | 10 |
| 358 [[220](#_ENREF_220)] | 2013 | Iran | 26 | F | ingest | undercooked or raw meat ingestion | N | abdominal pain, weakness, hematemesis, high-grade fever | B | hematemesis, ascites | F/C, N/V | NR | NR | NA | 11 |
| 359 [[222](#_ENREF_222)] | 2013 | Great Britain | 29 | M | inject | heroin | N | swelling of the R side of his neck | M, B | NR | F/C | NR | NR | NA | 14 |
| 360 [[223](#_ENREF_223)] | 2013 | Turkey | 38 | M | cut | animal contact | N | complaining of pain, itching sensation, and swelling of his R upper and lower eyelids which started 4 days ago | B | NR | NR | NR | NR | NA | 10 |
| 361 [[224](#_ENREF_224)] | 2013 | Denmark | 39 | M | inject | heroin | N | fever, swelling of R arm | M, B | NR | F/C | AMS | NR | NA | 11 |
| 362 [[224](#_ENREF_224)] | 2013 | Denmark | 55 | M | inject | heroin | N | pain and swelling of R thigh and pain in lower abdomen | M, B | NR | NR | NR | NR | NA | 14 |
| 363 [[225](#_ENREF_225)] | 2013 | Turkey | 56 | M | cut | ill or dead animal contact | N | Swelling, bruising, rash and necrotic eruption on L arm; malaise, and myalgias | NR | NR | F/C | NR | NA | NA | 7 |

la The year the case was published

b inhal= inhalation, GI=gastrointestinal, NP= nasopharyngeal, cut=cutaneous, inject=injection

c First interaction with medical care is marked as time 0

d Completeness Score (0-15)

\* Recipients of multiple antimicrobials received at least one bactericidal antibiotic

\*\*GI= gastrointestinal involvement, PE=pleural effusion, SAH= subarachnoid hemorrhage

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