

Supplementary Online Content

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eTable. Films Depicting an Infectious Disease Outbreak and/or Pandemic, 1914-2019

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Films Depicting an Infectious Disease Outbreak and/or Pandemic, 1914-2019

Title	Year	Box Office¹	Synopsis
1. Fast & Furious presents Hobbs and Shaw	2019	\$173,956,935	A pair of covert operatives work to prevent release of a viral bioweapon
2. The Darkest Minds	2018	\$12,892,474	After a pandemic affects the world's children, the survivors are left with super human powers
3. Bohemian^{AA} Rhapsody	2018	\$219,782,677	Depiction of Freddie Mercury's struggles with HIV
4. Maze Runner: The Death Cure	2018	\$58,931,946	Conclusion of the 'Maze Runner' trilogy, as the group moves closer to finding answers and a cure for a deadly pandemic
5. War for the Planet of the Apes	2017	\$152,241,288	Conclusion of a trilogy of movies depicting the rise to power of apes in the aftermath of a viral pandemic
6. It Comes at Night	2017	\$14,495,574	After a deadly outbreak, a family is left struggling for survival in an isolated cabin in the woods
7. The Cured	2017	\$21,001	A cure is developed for a virus which transforms the Infected into zombies; however, societal integration of the previously infected is difficult
8. Unlocked	2017	NA	A former CIA officer works to thwart an act of

				bioterrorism
9. BPM (Beats per Minute)	2017	\$129,758		AIDS activists in Paris in the early 1990's fight against indifference to the disease
10. Resident Evil: The Final Chapter	2016	\$28,506,947		Conclusion of the 6-part series, which details the desperate attempt to release an airborne cure to the T- virus
11. Inferno	2016	\$36,490,047		A professor races to uncover a series of clues which may help prevent a pandemic due to bioterrorism
12. Pride and Prejudice and Zombies	2016	\$11,621,767		After a plague converts most of 19 th century England into zombies, a group of sisters fight back
13. The Brothers Grimsby	2016	\$7,604,514		Two brothers attempt to thwart an act of bioterrorism
14. The Girl with All the Gifts	2016	\$3,165		After a fungal infection converts most of humanity into a zombie-like state, one partially affected girl escapes from a medical research facility where she was being studied
15. Pandemic	2016	\$8,988		In the future, a doctor in Los Angeles searches for survivors of a pandemic-causing virus

16. Here Alone	2016	\$26,608	A woman teams up with a girl and her step-father to survive the aftermath of a pandemic
17. The 5th Wave	2016	\$37,099,086	Alien invaders introduce a pandemic of deadly avian influenza, among other catastrophes
18. Krrish 3	2015	\$2,360,282	A father and his superhero son team up to stop a deadly viral outbreak in Africa
19. Scouts Guide to the 2015 Zombie Apocalypse	2015	\$3,988,180	A group of boy scouts team up to fight a zombie outbreak
20. Stand Off	2015	NA	An infection spread via a local water supply transforms the infected into zombies
21. Infini	2015	NA	A rescue team is dispatched to rescue the lone survivor of an infectious outbreak at a mining facility on another planet
22. Extinction	2015	\$2,477,100	Two men and a young girl are the sole survivors of an infectious outbreak turning people into rabid creatures
23. Maze Runner: The Scorch Trials	2015	\$87,987,876	The survivors from 'The Maze Runner' enter a post-apocalyptic world devastated by the flare virus

24. Maggie	2015	\$201,520	A father struggles with the best way to deal with his daughter after she is infected by a virus which transforms people into zombies
25. The Maze Runner	2014	\$110,222,622	A group of young people find themselves trapped in a maze hiding a terrible secret
26. Dawn of the Planet of the Apes	2014	\$208,545,589	Humans are now in the minority following a deadly viral pandemic which leaves apes the dominant species
27. What Tomorrow Brings	2014	NA	A search for the origins of a zombie virus
28. Dallas Buyers^{AA} Club	2014	\$28,839,755	A man with HIV struggles to obtain treatment in the early years of the HIV pandemic
29. Fire in the Blood	2013	\$31,693	Documentary addressing the global inequalities that exist regarding access to HIV medication
30. The colony	2013	\$351,224	Forced underground by an ice age, a group of survivors must contend with an outbreak of a deadly flu
31. Cabin Fever 3: Patient Zero	2014	NA	Further outbreaks from a flesh-eating virus, this time on a Caribbean island
32. The Returned	2013	\$652,367	A chronic medication is found to cure a zombie virus, but problems arise as supplies run low

33. Flu	2013	\$62,013	A deadly viral outbreak strikes a suburb of Seoul, South Korea
34. World War Z	2013	\$202,359,711	Brad Pitt fights a growing horde of zombies, transformed during a deadly pandemic
35. Resident Evil: Retribution	2012	\$47,024,712	More secrets are unearthed regarding the nefarious Umbrella Corporation, and their role in the T-virus outbreak
36. A Royal Affair	2012	\$1,717,678	A physician during the Enlightenment battles a smallpox outbreak
37. How to Survive a Plague	2012	\$146,647	Documentary depicting the importance of activism in the first years of the AIDS pandemic
38. The Viral Factor	2012	\$244,861	Two brothers work to prevent an act of biowarfare
39. Season of the Witch	2011	\$28,377,522	A disillusioned knight returns from the crusades to transport a witch to trial in order to bring an outbreak of plague to an end
40. Humans vs. Zombies	2011	NA	Students spread a zombie virus on and off campus
41. Contagion	2011	\$86,477,205	An all-star cast struggle with the appearance of a novel and virulent virus

42. Rise of the Planet of the Apes	2011	\$202,036,891	A new medical therapy tested in apes leads to unexpected consequences
43. Retreat	2011	\$5,141	A couple finds themselves on an island while a deadly airborne virus ravages Europe
44. Quarantine 2: Terminal	2011	NA	A rabies-like outbreak forces the quarantine of a commercial aircraft full of people. Sequel to 'Quarantine' (see #54 below)
45. Resident Evil: Afterlife	2010	\$69,845,342	The T-virus ravages the planet, leaving only small groups fighting for survival
46. The Crazies	2010	\$45,445,961	Remake of the 1973 film (see #108 below)
47. Black Death	2010	\$26,199	In Medieval England during an outbreak of plague, a monk and a band of mercenaries hunt for a powerful sorcerer
48. Carriers	2009	\$6,917,067	Two childhood friends flee a viral pandemic
49. Cabin Fever 2: Spring Fever	2009	NA	A flesh-eating virus is spread via water. Sequel 'Cabin Fever' (see #76 below)
50. Silent Night, Zombie Night	2009	NA	A viral outbreak transforms Los Angeles residents into zombies near Christmas
51. Daybreakers	2009	\$58,884,090	After a pandemic converts most of humanity

				into vampires, they are quickly faced with a shortage of human blood upon which to feed, forcing some to seek a cure
52.	The Dead Outside	2008	NA	Two survivors of a neurotropic viral pandemic try to co-exist at an isolated farmhouse
53.	Fugue State	2008	NA	A plague causing amnesia wreaks havoc
54.	Quarantine	2008	\$37,792,485	A TV reporter finds herself trapped in an apartment complex during an outbreak of a deadly rabies-like virus
55.	Pontypool	2008	\$4,609	A viral outbreak is spread through speech
56.	Doomsday	2008	\$13,127,958	After the Reaper virus ravages Scotland, a desperate plan is hatched to prevent Britain from suffering the same fate
57.	Sex Positive	2008	\$14,392	Documentary on the life of an early AIDS activist
58.	Outrage	2007	\$357,130	Documentary examining politicians failing the gay community and failing to confront the AIDS pandemic
59.	The Invasion	2007	\$18,744,757	Aliens take over the bodies of CDC officials in order to infect civilians with a new and dangerous influenza vaccine

60. I am Legend	2007	\$318,824,708	Zombie outbreak begun by a failed vaccine: based off 'The Omega Man' and 'The Last Man on Earth' (see #112 and #117 below)
61. 28 Weeks Later	2007	\$35,612,492	Survivors of '28 Days Later' rebuild their lives after the outbreak has purportedly ended
62. Resident Evil: Extinction	2007	\$62,981,632	Alice leads survivors across what is left of civilization after the T virus outbreak
63. The Witnesses	2007	\$97,540	A group of friends share their struggles during the early years of the AIDS pandemic
64. Postal	2007	NA	Two men become accidentally involved in an attempted act of bioterrorism
65. Flight of the Living Dead	2007	\$427,813	A genetically engineered virus is released on a commercial flight, transforming the passengers into zombies
66. The Painted Veil	2006	\$10,231,176	Remake of the 1934 classic (see #138 below)
67. Ultraviolet	2006	\$25,527,506	A virus genetically modified by the military to produce stronger soldiers leads to disastrous consequences
68. Deadlands, the Rising	2006	\$2,570	A biological weapon is released, and a small group of people must fight for survival

69. Mulberry Street	2006	\$123,353	Six people attempt to survive following a deadly outbreak in Manhattan
70. Alex Rider: Operation Stormbreaker	2006	\$860,136	A teenage boy attempts to prevent the release of smallpox by a criminal in the United Kingdom
71. The Constant^{AA} Gardener	2005	\$44,321,975	A pharmaceutical company engages in unethical testing of a new tuberculosis drug in Africa
72. Transporter 2	2005	\$56,882,220	A former special forces operative attempts to save the lives of a young boy and his family after they become unwitting participants in an attempted act of bioterrorism
73. V for Vendetta	2005	\$93,067,515	A political activist takes aggressive measures against a totalitarian government hiding a secret about a deadly viral outbreak
74. Resident Evil: Apocalypse	2004	\$69,587,895	Above the Hive introduced in 'Resident Evil', Raccoon City is decimated by the T virus
75. Dawn of the Dead	2004	\$80,215,383	A possible infection transforms residents of a suburb into zombies
76. Cabin Fever	2002	\$30,072,133	A group of vacationing students finds themselves in the middle of an outbreak of a deadly hemorrhagic infection
77. 28 Days Later	2002	\$64,050,764	A dangerous virus being studied in primates is

			accidentally released into the general public
78. Resident Evil	2002	\$57,022,142	A woman awakens to the reality that a dangerous virus (the T virus) is now loose in an underground research facility called the Hive
79. The Forsaken	2001	\$10,477,148	An infection which converts humans into vampires may be controlled with HIV medications, but is a cure available?
80. Mission Impossible: II	2000	\$321,219,226	Tom Cruise tries to thwart a rogue pharmaceutical company from starting a deadly outbreak
81. The X Files	1998	\$130,680,012	Two FBI agents investigate a government cover-up of a deadly alien virus
82. Outbreak	1995	\$113,309,465	Dustin Hoffman tries to stop the outbreak of fictional hemorrhagic fever virus in a small California town
83. 12 Monkeys	1995	\$95,694,801	A man from a post-apocalyptic future is sent back in time to try to prevent an act of bioterrorism which devastated the world
84. Restoration	1995	\$6,708,749	A physician to King Charles II provides care for plague victims

85. Philadelphia ^{AA}	1993	\$136,493,070	The first major movie addressing HIV. Tom Hanks plays a lawyer struggling with HIV and resulting discrimination
86. Carnosaur	1993	\$3,096,124	A mad scientist plans to release a lethal virus in order to repopulate the earth with dinosaurs
87. Dead Space	1991	NA	A viral outbreak on a planet threatens a nearby space station
88. At Play in the Fields of the Lord	1991	\$2,516,973	Explorers spread a deadly infection to a group of indigenous people in the Amazon
89. For Love and For Life: The 1987 March on Washington	1990	NA	Story of the historic March on Washington in which the HIV Project AIDS Memorial Quilt was unveiled
90. Common Threads: ^{AA} Stories from the Quilt	1989	NA	Moving documentary covering the lives of many Americans featured on the HIV Project AIDS Memorial Quilt (see #89 above)
91. Longtime ^{AA} Companion	1989	\$9,581,787	First theatrical release addressing HIV. The lives of several gay men are followed as they are forced to deal with the emerging HIV crisis
92. Cyborg	1989	\$21,131,193	Jean Claude van Damme assists a cyborg carrying information crucial to the cure of a plague in this post-apocalyptic film

93.	Masque of the Red Death	1989	NA	Remake of the Edgar Allan Poe Classic (see #118 below)
94.	The Navigator: A Medieval Odyssey	1988	\$2,900,899	A group of people from the middle ages travel into the future to try to prevent an outbreak of plague
95.	Alien Predators	1986	\$5,866	An alien microorganism is introduced to earth after parts of Skylab fall in a remote Spanish field, with devastating consequences
96.	Flesh + Blood	1985	NA	A band of medieval mercenaries attempt to kidnap the betrothed wife of a prince, but an outbreak of plague may foil their plans
97.	Warning Sign	1985	\$4,576,435	An outbreak of a genetically-engineered bioweapon threatens a small town
98.	Day of the Dead	1985	\$13,848,389	An infection converting people into zombies forces a group of survivors underground
99.	Cannibals in the Streets	1980	NA	A virus converting the infected into cannibals is spread by a Vietnam veteran
100.	Day of Resurrection	1980	NA	A weaponized virus produces a post-apocalyptic world
101.	Nosferatu the Vampyre	1979	NA	Re-telling of the classic Dracula story, with the count bringing plague to his many ports of call

102.	Plague	1979	NA	A laboratory-strain of a deadly bacteria threatens a city and beyond
103.	The Alpha Incident	1978	NA	Attempts to contain a deadly Martian organism unwittingly released on a train
104.	Coup de Grace	1976	NA	A Bolshevik uprising takes place amidst the backdrop of a typhus outbreak
105.	The Cassandra Crossing	1976	\$12,159,840	A man infected with a weaponized form of plague boards a train headed to Stockholm
106.	Winterhawk	1975	\$4,956,605	A Blackfoot chief attempts to secure a cure for a smallpox epidemic ravaging his people
107.	The Ultimate Warrior	1975	NA	A bodyguard is hired to protect a group of individuals in a post-apocalyptic world
108.	The Crazies	1973	\$993,360	The government tries to contain the accidental release of a viral bioweapon in a small town
109.	Vampire Circus	1972	NA	As a village is isolated due to the plague, a mysterious circus comes to town which may be to blame
110.	The Pied Piper	1972	NA	A mysterious man may hold the key to eradicating plague from a medieval village

111.	The Andromeda Strain	1971	\$78,422,560	Based on Michael Crichton's classic book describing an outbreak from an alien pathogen
112.	The Omega Man	1971	\$29,297,600	Adaptation of 'The Last Man on Earth', this time featuring the after-effects of a biological attack (see #117 below)
113.	On Her Majesty's Secret Service	1969	\$184,009,680	James Bond attempts to prevent the release of a biological weapon
114.	What's so Bad About Feeling Good?	1968	NA	An outbreak of an infection causing happiness which the government attempts to thwart
115.	Tarzan and the Great River	1967	NA	Tarzan helps to bring medical supplies downriver for an outbreak affecting a village
116.	The Satan Bug	1965	NA	An former military hero attempts to stop a terrorist from releasing a deadly virus he stole from a top-secret research facility
117.	The Last Man on Earth	1964	NA	Vincent Price believes he is the last man left alive from an outbreak converting the infected into vampires
118.	The Masque of the Red Death	1964	NA	Vincent Price plays Prince Prospero, in this adaptation of Edgar Allen Poe's classic tale
119.	80,000 Suspects	1963	NA	A physician balances the competing demands of his marriage and a smallpox outbreak

120.	A Matter of WHO	1961	NA	Authorities scramble to deal with the aftermath of a man's death from smallpox in a London airport
121.	Beyond the Time Barrier	1960	NA	A test pilot flies into a future version of earth, where a plague has rendered inhabitants either sterile or mutants
122.	The Angry Red Planet	1959	NA	The first manned mission to mars uncovers an unexpected opponent
123.	Space Master X-7	1958	NA	After a satellite returns to earth, it carries with it a deadly and contagious alien fungus
124.	The Man Who Wouldn't Talk	1958	NA	Cold-war espionage surrounds a virus devised as a potential biological weapon
125.	The Seventh Seal	1957	NA	A knight returns from the crusades across a land devastated by the black death. After a visit by death, he is granted a chance to play a game of chess, with his life in the balance
126.	The Command	1954	\$23,393,250	Fears of a smallpox outbreak consume a wagon train and a group of Native Americans in pursuit
127.	Saadia	1953	\$6,068,484	Convinced she is to blame for an outbreak of a plague in her town, a young woman leaves in

				search of a cure
128.	The Whip Hand	1951	NA	A group of former Nazis establish a biowarfare laboratory in Minnesota
129.	Panic in the Streets ^{AA}	1950	NA	A public health officer struggles to contain an outbreak of pneumonic plague in New Orleans
130.	The Killer that Stalked New York	1950	NA	City officials try to find a woman with smallpox in New York before the outbreak worsens
131.	Counterblast	1948	NA	A former Nazi doctor poses as a University researcher in order to further the use of plague as an agent of biowarfare
132.	Driftwood	1947	NA	A small town physician attempts to thwart an outbreak of typhus
133.	Monsieur Vincent ^{AA}	1947	NA	The life of St. Vincent de Paul is portrayed, beginning with his humble beginnings serving the victims of a possible plague outbreak
134.	The Citadel	1939	NA	An idealistic young physician deals with public indifference to outbreaks of typhoid fever and tuberculosis
135.	The Rains Came ^{AA}	1939	NA	An Indian physician and the ex-girlfriend of a British socialite join to battle an outbreak of plague

136.	Pacific Liner	1939	NA	A physician attempts to stop an outbreak on a ship headed from Shanghai to San Francisco
137.	Green Light	1937	NA	A physician tries to develop a vaccine for spotted fever in a small town to halt an outbreak
138.	The Painted Veil	1934	NA	A physician works to stop a cholera outbreak in Hong Kong, but the sacrifice may cost him his marriage
139.	Arrowsmith	1931	NA	A physician travels to the West Indies to try to put an end to an outbreak of plague
140.	The Blonde Saint	1926	NA	A young woman must deal with a Cholera outbreak on a small island
141.	A Man's Country	1919	NA	An outbreak of plague hits a gold-mining camp. Many abandon the camp, save for two townspeople who stay to help
142.	The Temple of Molech	1914	NA	A doctor works to improve working conditions in a factory which may be contributing to an outbreak of tuberculosis

N/A=Not available

Bold titles culturally relevant defined by criteria of box office earnings \geq \$10 million (adjusted to 2019 dollars, equating to \geq 1 million tickets sold) OR winner of an Academy Award OR \geq 1 long-gap connections, defined as cultural reference to a film (e.g. in television or another movie) \geq 25 years after release.

¹ Adjusted for inflation to January, 2019 using the Bureau of Labor Statistics Consumer Price Inflation calculator at <https://data.bls.gov/cgi-bin/cpicalc.pl>

^{AA} Film won an Academy Award