

#	Date	Act
1	1845-1849	A researcher performed surgical experiments on female African slaves without anesthesia (which was not deemed safe at the time). He operated on one woman over 30 times who eventually died from infections resulting from the experiments.
2	1846	A researcher poured boiling water onto the backs of naked slaves with typhoid pneumonia at four-hour intervals, thinking this might cure the disease by stimulating the capillaries. (Petersburg, VA)
3	1874	A doctor inserted needle electrodes into the victim's exposed brain matter and although she complained of pain and cried, he increased the strength of the current until her lips were blue, she frothed at the mouth, she lost consciousness, and violently convulsed on the left side. The convulsions lasted for 5 minutes and were followed by a coma, and consciousness, all within 20 minutes. (Good Samaritan Hospital, Cincinnati, OH)
4	1880s	A doctor injected six girls under the age of 12 with syphilis. (Hawaii)
5	1895	A researcher infected two mentally disabled boys with gonorrhea. (NYC)
6	1896	A doctor performed spinal taps on 29 young children without parental consent, just to see if doing so would be harmful. (Children's Hospital in Boston, MA)
7	Late 19th Century	U.S. Army Doctors infected five Filipino prisoners with bubonic plague.
8	Late 19th Century	U.S. Army Doctors infected 29 Filipino prisoners with Berberi (thiamine deficiency).
9	Late 19th / Early 20th Century	More than 40 reports of experimental infections with gonorrheal culture were reported, including some where gonorrheal organisms were applied to the eyes of sick children.
10	1906	A professor intentionally infected 24 Filipino prisoners with cholera which had somehow become contaminated with plague, without their knowledge or consent. All subjects became sick, and 13 died. (Harvard University, Cambridge, MA)
11	1908	Researchers infected dozens of orphans with tuberculin, causing permanent blindness in some of the children and painful lesions and inflammation of the eyes in many of the others. They refer to the children as 'material used' in the study. (St. Vincent's House Orphanage, Philadelphia, PA)
12	1909	A researcher infected two orphans with Water Warts.
13	1911	A doctor injected 146 hospital patients (some children) with syphilis, causing the parents of some of the children to become infected as a result. (Rockefeller Institute for Medical Research, NYC)

14	1913-1951	A doctor performed a wide variety of experiments were performed including testicular implants from executed prisoners into live prisoners, or in some cases testicular implants from rams, goats, and boars were used. They also performed eugenics and forced sterilization to "rejuvenate old men, control crime, and prevent the unfit from reproducing." (San Quentin Prison, San Quentin, CA)
15	1932-1972	399 black males who had syphilis were offered treatment, but were not told they had syphilis, and were not actually given treatment. Instead they were studied to chart the progress of the disease. When penicillin became available in 1947, participants were prevented from receiving treatment. By 1972, only 74 of the test subjects were alive. 28 died from syphilis, 100 died from related complications, 40 of their wives had been infected, and 19 of their children were born with congenital syphilis. This study was not shut down until 1972 when its existence was leaked to press, resulting in a public outcry. (Tuskegee, AL)
16	1939	A doctor used psychological abuse to induce suffering in 22 children who spoke normally, for the purpose of testing one of his theories about the cause of stuttering. (Soldiers' Orphans' Home, Davenport, IA)
17	1939-1945	Radium Rods were used on over 7k U.S. Army and navy peronnel during WWII.
18	1939-1945	Nasal radium irradiation became a standard medical treatment and awas used in over 2.5m Americans. (USA)
19	1940-1953	A doctor performed electroshock experiments on at least 100 (some reports indicate more than 200) children ranging from 3 years to 12 years old. From 1942-1956 ECT (electroconvulsive therapy) was used on more than 500 children at Bellevue Hospital; from 1956-1969 ECT was also used at Creedmoor State Hospital Children's Service. The doctor publicly claimed results of this therapy were positive but in private memos expressed frustration over mental health issues caused by the treatments. The doctor sometimes shocked children with schizophrenia (some less than three years old) twice per day, for 20 consecutive days. Several of the children bcame violent and suicidal as a result. (Bellevue Hospital, NYC)
20	1940-1959	A controlled study of the effects of malaria was done on prisoners. Nazi doctors then cited this experiment as precedent for their malaria experiments. (Art Stateville Penitentiary, Joliet, IL)

21	1941	Researchers deliberately infected patients at several mental health institutions with influenza by spraying it into their nose. Then Francis Peyton Rous from the Rockefeller Institute and editor of the Journal of Experimental Medicine advised they publish elsewhere as even though the tests were wholly justified, as anti-vivisectionists were sure to raise a rabble, indicating they knew what they were doing was wrong. (MI)
22	1941	A doctor inoculated a 12 month old baby with herpes, submitted his research to the Journal of Experimental Medicine, and it was rejected. It was later published in the Journal of Pediatrics.
23	1942	The U.S. Navy paid a biochemist to inject 64 prisoners with cow blood as part of an experiment. (Harvard University, Cambridge, MA)
24	1942-1944	The U.S. Chemical Warfare Service conducted experiments which exposed thousands of U.S. military personnel to mustard gas in order to test the effectiveness of gas masks and protective clothing.
25	1944-1946	A doctor (and professor at University of Chicago Medical School) purposely infected psychiatric patients with malaria so he could test experimental treatments on them. (Illinois State Hospital, Bartonville, IL)
26	1945	A doctor had a patient misdiagnosed with stomach cancer injected with Pu-238 and Pu-239 without informed consent. The patient was never informed he didn't have cancer and was told instead that his treatment worked. (U.C. San Francisco medical Center, San Francisco, CA)
27	1945	Researchers gave 829 pregnant mothers "vitamin drinks" that would improve their baby's health, but the drinks were actually radioactive iron. Researchers were determining how fast the radioisotope crossed into the placenta. At least four children died from cancers, leukemia, or the experiments. The mothers experienced rashes, bruises, anemia, hair/tooth loss, and cancer. (Vanderbilt University, Nashville, TN)
28	April 10, 1945 to July 18, 1947	Eighteen people were injected with plutonium as part of researching atomic bombs in the Manhattan Project.
29	1946	Six employees of a metallurgical lab were given water contaminated with plutonium-239 so researchers could study how plutonium is absorbed into the digestive tract. (Chicago Metallurgical Lab, Billings Hospital at the University of Chicago, Chicago, IL)
30		Patient (one eighteen year-old woman) was expecting to be treated for a pituitary gland disorder was injected with plutonium. (An upstate New York hospital)
31	1946-1947	Researchers injected six people with uranium-234 and uranium-235 to see how much uranium their kidneys could tolerate before becoming damaged. (University of Rochester, Rochester, NY)

32	1946-1948	The U.S. Public Health Service sponsored a Tuskegee but in Guatemala. (Guatemala)
33	1946-1948	Public Health Services, National Institutes of Health, Pan American Health Sanitary Bureau, and the Guatemalan government paid researchers to use prostitutes to infect prison inmates, insane asylum patients, and Guatemalan soldiers with syphilis and others STDs in order to test the effectiveness of penicillin on treating the STDs. Over 700 people were infected. (Guatemala)
34		The U.S. Military paid researchers to expose 29 patients, some with rheumatoid arthritis, to total body irradiation to obtain data (University of California Hospital, San Francisco, CA)
35	1946-1953	The U.S. Atomic Energy Commission and the Quater Oaks Corporation paid researchers to feed 73 mentally disabled children oatmeal containing radioactive calcium and other radioisotopes in order to track how nutrients were digested. The children were not told they were being fed chemicals, but that they were joining a science club. (Walter E. Fernald State School, Waltham, MA)
36	1947-1953	The U.S. Navy tested chemicals such as mescaline and scopolamine on human subjects.
37	1948-1954	The Federal Government paid researchers to insert radium rods into the noses of 582 school children as an alternative to adenoidectomy. (Johns Hopkins Hospital, Baltimore, MD)
38	1949	The U.S. Atomic Energy Commission released iodine-131 and xenon-133 into the atmosphere. (Half million acre area near the Hanford site in Washington, encompassing three small towns)
39	Late 1940s	Researchers began testing diethylstilbestrol (synthetic estrogen) on pregnant women who experienced abnormally high miscarriages and babies with low birth weight. None of them were told they were being experimented on. (Lying-in Hospital of the University of Chicago, Chicago, IL)
40	1950s	The U.S. Army and the U.S. Atomic Energy Commission paid researchers to perform experiments on severe burn victims, most of them poor and black, without their knowledge or consent. Subjects were exposed to additional burning, experimental antibiotic treatment, and injections of radioactive isotopes. The amount of radioactive phosphorus-32 injected into some patients was 50x the acceptable dose for a healthy individual, and for people with severe burns, this led to significantly increased death rates. (Medical College of Virginia, Richmond, VA)

41	1950	Researchers ran experiments to study changes in cerebral blood flow. They injected people with spinal anesthesia, and inserted needles into their jugular veins and brachial arteries to extract large quantities of blood. After massive blood loss which caused paralysis and fainting, researchers measured their blood pressure. This experiment was often performed multiple times on the same subject. (Cleveland City Hospital, Cleveland, OH)
42	1950	The U.S. Navy sprayed large quantities of bacteria <i>Serratia Marcescens</i> over San Francisco. Numerous citizens developed pneumonia-like illnesses, at least one person died as a result. In 1981, a federal judge ruled in favor of the government in a resulting lawsuit alleging negligence. (San Francisco, CA)
43	1950	A doctor deliberately infected 200 female prisoners with viral hepatitis. (PA)
44	1950	The CIA administered a wide variety of psychoactive substances such as LSD, heroin, marijuana, cocaine, PCP, mescaline, and ether to U.S. military personnel. LSD was given to over 7k personnel without their knowledge or consent. Years later more than 1,000 of these soldiers suffered from several illnesses including depression and epilepsy, with many of them trying to commit suicide. (Edgewood Arsenal, MD)
45	1950-1953	The U.S. Army sprayed chemicals over six cities in the U.S. and Canada in order to test dispersal patterns of chemical weapons. It was later found the chemical was sprayed at levels low enough not to be harmful. (Winnipeg & Manitoba, Canada)
46	1950-1969	The U.S. Navy continued <i>Serratia Marcescens</i> tests until at least 1969.
47	1950-1972	Mentally disabled children were intentionally infected with viral hepatitis for vaccine research. (Willowbrook State School, Staten Island, NY)
48	1950-1980	The U.S. Military, The U.S. Atomic Energy Commission, and various other U.S. Federal Government agencies paid researchers to perform thousands of human radiation experiments over the course of three decades. These included a wide array of studies, involving things like feeding radioactive food to mentally disabled children or conscientious objectors, inserting radium rods into the noses of school children, measuring the health effects of radioactive fallout from nuclear bomb tests, injecting pregnant women and babies with radioactive chemicals, and irradiating the testicles of prison inmates, plus more. (USA)

49	1951-1974	The U.S. Army, Dow Chemical Company, and Johnson & Johnson paid a doctor \$10k to inject dioxins into 70 prisoners. Dioxins are a highly toxic and carcinogenic compound which are found in Agent Orange, which Dow was testing for use in vietnam at the time. The prisoners developed severe lesions which were left untreated for seven months. While coming into contact with these chemicals during the production of Agent Orange, Dow employees were developing Cloracne. Dow wanted to research and solve the issue of Cloracne. Some prisoners sued for lupus and psychological damage in 1980-81. The same doctor later applied even higher doses of dioxins to 10 prisoners, who developed inflammatory pustules and papules. The Holmesburg program paid hundreds of inmates a nominal stipend to test a wide range of cosmetic products and chemical compounds, whose health effects were unknown at the time. In 1967, the U.S. Army paid this doctor to apply skin-blistering chemicals to the faces and backs of inmates to learn how the skin protects itself against chronic assault from toxic chemicals, the so-called hardening process. (Holmesburg Prison, Holmesburg, PA)
50	1952?	The U.S. Atomic Energy Comission's Project GABRIEL collected data and surmised that strontium-90 (Sr-90) was the most deadly part of atomic bombs, but needed more evidence to support it. The U.S. Atomic Energy Comission claimed nuclear fallout was harmless because there was no proof it was harmful yet.
51	1952	A researcher injected live cancer cells (HeLa cells) into female prisoners and cancer patients. At least 300 healthy women were injected with live cancer cells without being told. The researchers knew at the time it might cause cancer. (Ohio State Penitentiary, Youngstown, OH)
52		The Louisiana State Board of Health advised that black prisoners be forced to eat nothing but molasses for five weeks to test whether or not sulfuric acid was harmful as a food additive. (Louisiana)
53	1952	The U.S. Department of Defense paid a doctor to inject a patient with a fatal dose of a mescaline derivative. The doctor claimed he did not know what the army had given him to inject into the patient. The U.S. Department of Justice and the New York State Attorney General then covered this case up for 23 years. (New York State Psychiatric Institute of Columbia University, Manhattan, NY)
54	1953-1957	A doctor injected 11 terminally ill, comatose, and semi-comatose patients with uranium to determine its viability as a chemotherapy treatment against brain tumors. The doctor maintained he obtained consent from the patients and next of kin. (Massachusetts General Hospital, Boston, MA)

55	1953	On November 19, 1952 the CIA gave Dr. Frank Olsen LSD without his knowledge or consent. Nine days later, Dr. Olsen fell from a hotel window. This was covered up for 22 years.
56	June, 1953	The U.S. Army and the Chemical Corps for Secretary of the Army deliberately and involuntarily exposed army personnel to contaminants without their informed consent. The experiments were used to test decontamination methods for biological and chemical weapons including sulfur mustard, vesicants, phosgene, and nerve agents. A 1975 report from the Pentagon Inspector General tried to excuse this exercise. (Army Chemical School, Fort McClellan, AL)
57	1953	The U.S. Atomic Energy Commission and USAF Project Rand sought to examine the long-term effects of nuclear radiation on the biosphere due to repeated nuclear detonations of increasing yield, and using Project GABRIEL's conclusion that Sr-90 represented the most serious threat to human health from nuclear fallout, Project SUNSHINE sought to measure the global dispersion of Sr-90 by measuring its concentration in the tissues and bones of the dead collected from around the world. The study especially focused on bones of the young, as they have the highest propensity to accumulate Sr-90. This was extremely controversial because many of the remains sampled were used without prior permission from the deceased or relatives of the dead, which wasn't known until many years later. (Global)
58	1953	The U.S. Atomic Energy Commission paid researchers to give pregnant women iodine-131 to be able to study their aborted embryos in an attempt to discover at what stage, and to what extent, radioactive iodine crosses the placental barrier. (University of Iowa, Iowa City, IA)
59	1953	The U.S. Atomic Energy Commission paid researchers to give 25 newborn babies (less than 36 hrs old and from 5.5-8.5 pounds), iodine-131 either orally or injected, so they could measure the amount of iodine in their thyroid glands. (University of Iowa, Iowa City, IA)
60	1953	The U.S. Atomic Energy Commission paid researchers to feed 28 healthy infants were iodine-131 through a gastric tube to test the concentration of iodine in the infants' thyroid glands. (University of Nebraska College of Medicine, Omaha, NE)
61	1953	The U.S. Atomic Energy Commission paid researchers to orally administer iodine-131 to 65 premature and full-term infants who weighed from 2.1-5.5 pounds, to determine if radioactive iodine affected premature babies differently from full-term babies. (Harper Hospital, Detroit, MI)
62	1953	Researchers intentionally blistered the skin on the abdomens of 41 children ranged in age from 8 - 14 using cantharide. The study was performed to determine how severely the substance injures or irritates the skin of children. After the studies, the children's blistered skin was removed with scissors and swabbed with peroxide.

63	1953-1973	CIA director Allen Dulles complained about not having enough human guinea pigs, so MKULTRA was formed as a compilation of several interrogation and mind-control programs. The aim of the MKULTRA program was to investigate the development of a chemical material which causes a reversible, nontoxic aberrant mental state, the specific nature of which can be reasonably well predicted for each individual. This material could potentially aid in discrediting individuals, eliciting information, and implanting suggestions and other forms of mental control.
64	1954	The CIA studied Chinese brainwashing techniques and attempted to develop effective methods of interrogation. Mostly believed to have been performed by the Cornell University medical School's human ecology study programs under Dr. Harold Wolff, who asked the CIA to provide any information they had regarding threats, coercion, imprisonment, deprivation, humiliation, torture, brainwashing, black psychiatry, and hyponosis or any combination of these, with or without chemical agents. They would then assemble, collate, analyze and assimilate this information and would then undertake experimental investigations designed to develop new techniques of offensive/defensive intelligence use Potentially useful secret drugs (and various brain damaging procedures) will be similarly tested in order to ascertain the fundamental effect upon human brain function and upon the subject's mood... Where any of the studies involve potential harm of the subject, we expect the Agency to make available suitable subjects and a proper place for the performance of the necessary experiments.
65	1954	Prostitutes on CIA payroll were instructed to bring clients back to CIA safehouses where they were secretly plied with a wide range of substances including LSD, then monitored behind one-way glass. Significant operation techniques developed in this theater include sexual blackmail, surveillance technology, and possible use of mind-altering drugs in field operations. (CIA-run safehouses in San Francisco, Marin, and NY)
66	1954	The U.S. Military carried out Operation Big Itch to test munitions loaded with uninfected fleas
67	1955-1960	Sonoma State Hospital served as a permanent drop-off location for mentally disabled children diagnosed with cerebral palsy or lesser disorders. These children underwent painful experimentation without adult consent. Many were given spinal taps for which they received no direct benefit, and the brain of every child with cerebral palsy who died at Sonoma State Hospital was removed and studied without parental consent. Over 1400 patients died at this clinic. (Sonoma State Hospital, Eldridge, CA)

68	May, 1955	The U.S. Military carried out Operation Big Buzz, in which over 300k uninfected mosquitos were dropped over parts of Georgia to determine if they could survive to take meals from humans. (Georgia, U.S.)
69	1955	The CIA (according to the Church of Scientology) allegedly conductd an open-air biological warfare experiment in 1955. It is alleged the experiment tripled the whopping cough infections to over 1000 cases in FL, and deaths from 1 to 12 in FL. (Tampa, FL)
70	1956	The U.S. Military performed a series of insect warfare tests from April to November of 1956 designed to reveal information about the dispersal of yellow fever mosquitos in an urban area. (Savannah, GA)
71	1956	The U.S. Army Chemical Corps released 600k uninfected mosquitos in and estimated how many mosquitos entered houses and bit people. Within one day, the mosquitos had bitten many people. (Savannah, GA)
72	1956	Researchers gave mentally disabled children radioactive calcium orally and intravenously. They also injected radioactive chemicals into malnourished babies and then collected cerebrospinal fluid for analysis from their brains and spines. (Walter E. Fernald State School, Waltham, MA)
73	1957	U.S. Military nuclear fallout from test explosions was determined to have released enough radiation to have caused from 11-212k excess cases of thyroid cancer among U.S. Citizens who were exposed, leading to between 1100-21000 deaths. (Nevada, U.S.)

74	1957	<p>The CIA paid a researcher who depatterned individuals by erasing their minds and memories until they were reduced to the mental level of an infant, then rebuilt their personality in a manner of the researcher's choosing. To do this, the researcher placed patients into drug-induced comas for up to 88 days and applied numerous high-voltage shocks to them over the course of weeks or months, often administering up to 360 shocks per person. He performed "psychic driving" which involved repeatedly playing recorded statements such as "you are a good wife and mother and people enjoy your company" through helmet speakers, allowing for sensory deprivation otherwise, for 16-20 hours a day for weeks at a time, in one case up to 101 days. He induced insulin comas in subjects by giving them large amounts of insulin twice a day for up to two months. Several of the children were sexually abused, and one was filmed multiple times performing acts with high-ranking federal government officials in a scheme set up by the researcher & MKULTRA to blackmail officials to ensure further funding for the experiment. The 1957 Inspector General Report from the CIA stated 'Precautions must be taken not only to protect operations from exposure to enemy forces but also to conceal these activities from the American public in general. The knowledge that the agency is engaging in unethical and illicit activities would have serious repercussions in political and diplomatic circles...' In 1963 the CIA published much of its findings in the KUBARK Counterintelligence Interrogation handbook based on MKULTRA studies. The researcher traveled around the U.S. teaching military his newly found techniques in interrogation. These techniques were later used at U.S. Military and CIA prisoners such as Guantanamo bay and Abu Ghraib.</p>
75		<p>The U.S. Army paid a doctor to dose prisoners with LSD & bulbocapnine, and to implant electrodes into the septal area of the brain to stimulate it and take EEG readings. (Louisiana State Penitentiary, West Feliciana Parish, LA)</p>
76		<p>Various experiments were performed on people with schizophrenia who were stable and other experiments were performed on people with their first episode of psychosis. Patients were given methylphenidate (ritalin) to see the effect on their minds.</p>
77	1958	<p>The U.S. Army Chemical Corps dropped 600k mosquitos in Florida. (Avon Park, FL)</p>

78		Researchers performed experiments on 113 newborns from 1 hour to three days old. They studied changes in blood pressure and blood flow. In one study, researchers inserted a catheter through the babies' umbilical arteries and into their aortas, and then submerged their feet in ice water. In another study, they strapped 50 newborn babies to a circumcision board and turned them upside down so all their blood rushed to their heads. (University of California Department of Pediatrics, Orange, CA)
79	1960s	Over 100 Alaskan citizens were continually exposed to radioactive iodine.
80	1960-1971	The U.S. Department of Defense funded non-consensual whole-body radiation experiments on mostly poor and black cancer patients who were not told what was being done to them, but were told they were receiving a treatment that might cure their cancer. The pentagon, however, was trying to determine the effects of high levels of radiation on the human body, and was sufficiently worried about litigation to use only patient initials instead of names, thereby breaking one major bond between the proof and the patient.
81	1960-1971	The Defense Atomic Support Agency paid a doctor to perform whole-body radiation experiments on 90+ poor, black, advanced stage cancer patients with inoperable tumors. The doctor forged consent forms and did not inform the patients of the risk of irradiation. The patients were given 100 or more rads of whole-body radiation which caused intense pain and vomiting in many. The medical rationale for this study is deemed questionable. (University of Cincinnati Medical Center, Cincinnati, OH)
82	1961	A psychologist performed an 'obedience to authority' study by telling participants to apply electric shock to test subjects who were in pain. The test subjects were actors and did not receive electric shocks, but the study participant's ethics and morals and willingness to hurt people in the face of obeying authority were brought into question. This entire study was an attempt to see how the Nazi genocide happened, but was dismissed early and was harmful to participants. (Yale University, New Haven, CT)
83	1961-1962	The U.S. Prison system took blood samples from 10 prisoners, mixed the samples with radioactive chemicals, then reinjected the mixture back into the prisoners' bodies. (Utah State Prison, Draper, UT)
84	1961-1965	The U.S. Atomic Energy Commission paid researchers to administer radium-224 and thorium-234 to 20 people who had volunteered for research on aging. (Massachusetts Institute of Technology, Cambridge, MA)
85	1962	Researchers tested experimental acne medication on children and continued the tests even after half the children developed severe liver damage from the meds. (Laurel Children's Center, Laurel, MD)

86	1962	The U.S. Atomic Energy Comission released iodine-131 near the Hanford site in Washington again, this time stationing test subjects along its path to record its effects on them. The Atomic Energy Comission also recruited Hanford volunteers to ingest milk contaminated with iodine-131. (The Hanford Site, WA)
87	1963	Researchers irradiated the testicles of 232 prisoners to determine the effects of radiation on testicular function. At least four deformed offspring were born as a result. The exact number is unknown because researchers never followed up on the status of the subjects. (WA)
88	1963	A researcher injected 22 elderly Jewish patients with live cancer cells to see how healthy bodies fight the malignant cells. The admin of the Jewish Chronic Disease Hospital tried to cover it up, but the NY medical licensing board placed the researcher on probation for one year, after having done this before in 1952. Two years later, the American Cancer Society elected him as their vice president. (Jewish Chronic Disease Hospital, Brooklyn, NY)
89	1963-1966	A researcher promised the parents of mentally disabled children that he was giving them a vaccine for hepatitis, but was in fact feeding them an extract made from the feces of patients infected with hepatitis. (Willowbrook State School, Staten Island, NY)
90	1963-1969	The U.S. Army performed tests which involved spraying several U.S. ships with various biological and chemical warfare agents, while thousands of U.S. military personnel were aboard the ships, were not notified of the tests, and were not given protective clothing. Chemical tested include nerve gas VX, nerve gas Sarin, toxic chemical zinc cadmium sulfide, toxic chemical sulfur dioxide, and more.
91	1963-1973	A doctor gave prisoners \$5/month to participate in, and \$100 when they had to receive a vasectomy at the end of a trial. The reason given for sterilization was that it was necessary to keep from contaminating the general population with radiation-induced mutants. One of the working experiments mentioned the similarity to nazi concentration camp medical experiments. (Oregon and Washington)
92	1964-1968	The U.S. Army paid professors to use prisoners to study the minimum effective dose of different drugs needed to disable half of any given population. The professors tried to claim they didn't know the drugs could be harmful, but documents later revealed otherwise. (Holmesburg Prison, Holmesburg, PA)
93	1966	The U.S. Army released Bacillus Globigii into the tunnels of the NYC Subway system as part of a field experiment about how vulnerable subway passengers are. (NYC)
94	1966	The U.S. Army released Bacillus Globigii into the tunnels of the Chicago Subway system as part of a field experiment about how vulnerable subway passengers are. (Chicago, IL)

95	1967	Pregnant women were injected with radioactive cortisol to see if it would cross the placental barrier and affect the fetuses.
96	1971	A psychologist assigned 24 male students randomly to the role of prisoner or guard in a mock prison study. The participants adapted to their rolls beyond expectations and showed guards being abusive to prisoners. This study was very controversial and was shut down early. (Stanford University, Palo Alto, CA)
97	1971	Women coming to a clinic to prevent pregnancies were not told they were participating in a research study or that they were receiving placebos. Ten of the women became pregnant. (San Antonio, TX)
98	2000-2010	Artificial blood was transfused into research subjects across the US without their consent. Later studies showed the artificial blood caused a significant increase in the risk of heart attacks and death. (USA)
99	2001	Medical professionals gathered data on CIA's use of torture techniques on detainees during the war on terror, in order to refine those techniques, and 'to provide legal cover for torture, as well as to help justify and shape future procedures and policies.' They experimented with large-volume waterboarding and recommended adding saline to the water to prevent putting detainees in a coma or killing them through over-ingestion of large amounts of plain water. They experimented with sleep deprivation on over a dozen prisoners in 48, 96, and 180 hour increments. They collected data and tried to 'calibrate the level of pain experienced by detainees during interrogation' and to determine if using certain types of techniques would increase one's 'susceptibility to severe pain.' Psychologists James Mitchell and Bruce Jessen were paid \$81 million by the CIA to help develop the enhanced interrogation techniques used. In November 2014, the American Psychological Association announced they would hire a lawyer to investigate claims they were complicit in the development of enhanced interrogation techniques that constituted torture.'
100	2004	AstraZeneca performed a study in which a participant committed suicide. The study was comparing seroquel, zyprexa, and risperdal. The participant was enrolled in the study against the wishes of his Mother, and was forced to choose between enrolling in the study or being involuntarily committed to a state mental institution. Further investigation revealed financial ties to AstraZeneca from the patient's psychiatrist, oversights and biases in AstraZeneca's trial design, and inadequate university protections for subjects. In 2005 the FDA cleared the University but controversy continues. (University of Minnesota, Minneapolis and Saint Paul, MN)

101	2010	The U.S. Weapons Manufacturer Raytheon paid researchers to use prisoners as test subjects for its Active Denial System that 'fires an invisible heat beam capable of causing unberable pain.' This device was rejected for fielding in Iraq due to Pentagon fears it would be used as an instrument of torture. (Castaic, CA)
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