



Laboratory Animal Care Audit

Findings from 2023 USDA inspections of laboratories that use animals



The inaugural Laboratory Animal Care Audit details conditions found at laboratories that used animals in the United States in 2023. The National Anti-Vivisection Society has published this report to promote greater awareness of the experiences and living conditions that lab animals are subject to and to encourage ongoing dialogue about the use of animals in research, testing, and teaching.



Report Highlights

- This inaugural report details conditions found at 90 laboratories that used animals in 34 states in 2023.
- California has the highest number of laboratories detailed in this report (12). Other heavily represented states include Texas (8), Massachusetts (7), and New York (6).
- Charles River Laboratories reported housing and using 46,694 animals for research and testing purposes in 2023, more than any other facility in this report.
- Thirteen of the 90 facilities detailed in this report have been issued a fine for violations of the Animal Welfare Act (AWA) identified in 2023.
- Common issues found at regulated laboratories: inadequate personnel training, mishandling of animals resulting in animal injury and death, poor veterinary care, insufficient housing for various species, poor sanitation and waste management, conducting unapproved procedures on animals.

All of the information in this audit is publicly available on the United States Department of Agriculture's (USDA) website. This audit references 2023 annual reports and 2023 USDA inspection reports.

2023 Annual Reports:

Laboratories that use animals and are registered with the USDA must submit annual reports with a count of the number of animals housed and used that fiscal year for research, testing, and teaching. Laboratories report the number of dogs, cats, Guinea pigs, hamsters, rabbits, monkeys, sheep, and pigs. All other species that are required to be counted fall in the "Other animals" category.

The animals counted are also grouped into the following USDA-defined pain categories:

Pain Category B	Animals bred, conditioned, or held for use in experiments but are not yet part of any experimental procedures. Examples include breeding animals, euthanizing animals on holding protocols, or observing animals in their enclosures without manipulation.
Pain Category C	Animals are used in experiments that do not involve pain and/or distress. Includes activities such as positive reward training, food restriction, and manipulative procedures like weighing and injections.
Pain Category D	Animals are used in experiments that involve pain and/or distress, but pain relief is provided. Examples include surgical procedures with appropriate anesthetics and analgesics, tumor induction with pain alleviation, and euthanasia under anesthesia.
Pain Category E	Animals are used in experiments that involve pain and/or distress and are not provided pain relief. This includes experiments causing paralysis or immobilization, food and/or water restriction leading to significant weight loss, exposure to noxious stimuli from which the animal cannot escape, long-term restraint, and toxicological or infectious disease experiments where pain relief is not given.

2023 USDA Inspection Reports:

Inspections are part of the USDA's mandate to enforce the Animal Welfare Act (AWA), which sets forth the minimum standards of care and treatment for animals used for research, exhibition, transport, breeding, and by dealers. The issues documented in this audit are violations of the AWA that USDA inspectors noted on 2023 inspection reports while inspecting laboratories that house and use animals that are covered by the Animal Welfare Act.



Additional notes:

This audit does not include any information on laboratories that use animals who are not regulated by the USDA. The AWA excludes the most-used laboratory animals – mice of the genus *Mus* and rats of the genus *Rattus* – as well as birds, invertebrates, fish, and cold-blooded species from the definition of “animal” under the law. Laboratories that use only these excluded species are not registered with, nor inspected by, the USDA, and are not subject to AWA regulations on animal care. Also, laboratories that use these excluded animals in addition to animals covered by the AWA do not include them in the annual reports they submit.

It is also important to note that the kind of research being done on animals, and whether that research is ethical or valid, does not fall within the purview of USDA inspections. Therefore, this audit does not speak to these important aspects of research. This audit focuses exclusively on the findings of USDA inspectors at registered animal-use laboratories in 2023.

This audit is not meant to be an all-inclusive detailing of the issues found at laboratories that used animals in 2023. As the goal of this audit is to illuminate the living conditions and basic treatment of animals in laboratories, we did not include information on administrative issues that did not directly impact animal health or welfare, of which there were dozens. While we acknowledge that deficiencies in administrative rigor can ultimately end up harming animals, for brevity’s sake such deficiencies are not documented here.

All photos included in this report are stock photos and are not related to the facilities detailed in the report.

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Wisconsin	3	91

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	14	22	7	0	43
Cats	72	94	44	0	210
Rabbits	0	0	110	0	110
Sheep	10	9	27	0	46
Pigs	0	38	0	0	38
Other animals	215	134	252	0	601
Total	311	297	440	0	1,048

Issues documented on an August 2023 USDA inspection report:

- A teaching assistant was euthanizing rabbits by cardiac injection of a euthanasia drug. An investigation found that the teaching assistant was not properly trained and was unable to successfully accomplish the procedure.
- Two rooms housing dogs had waste drainage gutters that contained an excessive amount of buildup, with brown discoloration visible on the flooring.
- Primary enclosures for dogs and cats were not being appropriately sanitized.
- Several outdoor pastures housing horses did not provide sufficient shelter from the elements.
- Multiple short-tailed opossums did not have access to uncontaminated food.
- Outdoor enclosures housing eight alpacas, one llama, and 14 sheep had an overgrowth of large weeds and several large ant mounds. It was noted that the conditions make it difficult to perform husbandry tasks, limit usable space for the animals, and act as breeding grounds for pests.



To date, Auburn University has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	11	130	0	0	141

Issues documented on a January 2023 USDA inspection report:

- Problems related to a 10-year-old yellow Labrador named Spring:
 - Limping and reluctant to bear weight on a hind limb.
 - She had a 0.5-inch diameter firm round mammary mass and several pink skin sutures with no recent surgery records to explain the sutures.
 - Spring was not being given all the necessary doses of her prescribed medications.
- Problems related to an 8-year-old female Weimaraner named Star:
 - Star had a 2-inch-long oval shaped firm mass in the middle of her back. The lump had not been documented in medical records or communicated to the attending veterinarian.
 - Star had been prescribed an antibiotic and an antiparasitic that had not been given on the correct schedule, and some doses were missing.
- A 12-year-old male Golden Retriever named Thor and a 10-year-old black Labrador named Blackie had been prescribed medications but were missing doses, according to medical records.
- Inspectors noted a 2-year-old Beagle named Ranger had “ribs and backbone...clearly visible” and “very little fat overlying the bones.” Ranger was not identified as excessively thin by the facility, and he had last been evaluated by the vet in May 2022.
- Two dogs, a 5-year-old female Harrier named Penny and a 10-year-old male yellow Labrador named Eagles, had severe dental disease that had not been identified by the facility.
- Multiple issues with incomplete medical records:
 - A 10-year-old female black Labrador named Magic was euthanized in early 2023, but her medical records did not contain any entries after May 2022. Staff stated that Magic was euthanized because she was not doing well, but medical records didn’t include a reason for euthanasia.
 - An 8-year-old male Weimaraner named Klondyke was taken to the vet for evaluation of his thin body condition. Nothing was noted regarding the results of the vet visit.

Issues documented on a February 2023 USDA inspection report:

- A 12-year-old yellow Labrador named Blue had difficulty standing, walking, and moving around her kennel. Despite being taken to the vet earlier in the year, medical records contained no mention of hind limb issues, results of examination, or plan for treatment.
- Eight fox terriers were found without drinking water available. During inspection guillotine doors were opened in the kennels to give the dogs access to water, and the eight dogs “began drinking from their water buckets eagerly. The dogs drank continuously for one minute, with some drinking for 1.5 minutes.”
- A yellow Labrador named Party Girl had severe dental disease and mammary masses that had not been identified by the facility.



Issues documented on an April 2023 USDA inspection report:

- Three dogs had medical issues that had not been documented in medical records:
 - Three dogs, an 11-year-old yellow Labrador named Showboat, a 12-year-old Golden Retriever named Thor, and a 9-year-old yellow Labrador named Sunny all had severe dental disease.
- Three dogs were diagnosed with low thyroid blood test levels and were started on thyroid medication. All three dogs were past due for follow-up thyroid testing to ensure that the correct dosage of the medication was being administered.
- Multiple outdoor dog exercise pens had fencing in disrepair, including rust, jagged edges, and holes at the bottom of multiple chain-link and wooden fences.
- Peeling paint was found throughout the facility, exposing areas that could not be effectively sanitized.

Issues documented on a July 2023 USDA inspection report:

- Eleven-year-old yellow Labrador named Bow was severely overweight and had difficulty rising from the concrete floor. Her front limbs kept sliding out from under her. Previous exam results show her being placed on thyroid medicine but no evaluation for her weight or difficulty standing.
- Shadow, a 10-year-old black Labrador, was seen for heart issues on May 2, 2023. The vet requested a re-check in two-six weeks. About 10 weeks after the initial exam, no re-check had been done.
- Three dogs were diagnosed with low thyroid blood test levels and given medication, but none of them had received necessary follow-up testing by time of inspection.
- Twelve-year-old yellow Labrador named Snowflake did not receive daily medication as prescribed.
- Fencing issues noted in the April inspection report were only partially repaired.
- In approximately 20% of dog enclosures, dog kibble was seen on the floor. It was noted that food receptacles must be used so dog food does not become contaminated by feces and pests.
- Issues with medical records make it difficult to ensure that dogs receive complete medical care.

Issues documented on an October 2023 USDA inspection report:

- A Norwegian Elkhound had been spayed nearly a week before the inspection. At time of inspection the dog did not have an Elizabethan collar and was seen frequently licking and scratching the incision site, which was bright pink with darker pink around the edges. The attending vet had not been notified about the inflamed area.
- The facility knowingly obtained a random source dog in violation of the Animal Welfare Act.
- A Norwegian Elkhound named Inga and her five puppies were housed in an area containing a heat lamp. The electrical cord was easily accessible by the adult dog and would be easily accessible by the puppies once they were strong enough to leave the whelping box.
- Dog cages were observed with cracks in concrete and unsealed areas that may harbor organic material, parasites, or germs that can be harmful to dogs.
- Issues with medical records make it difficult to ensure that dogs receive complete medical care.



To address the 2023 issues found at the facility, Blue Ridge Kennel was ordered to pay a fine of \$48,000, with an additional \$32,000 if they continue to violate the law over a four-year probation period.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Rabbits	0	51	0	0	51
Sheep	0	3	0	0	3
Pigs	0	3	0	0	3
Other animals	0	156	0	0	156
Total	0	213	0	0	213

Issues documented on a July 2023 USDA inspection report:

- Two goats had inflamed/infected nodules under the skin where they received research related injections. The infections were not brought to the attention of the vet and had not been treated.
- A goat broke her horn near the base and “did not feel well for days afterward.” The vet was not notified, and the goat died without treatment 12 days later.
- Facial hair loss on a New Zealand white rabbit had not been reported to a vet.
- Six Savannah goats were banded for castration without anesthetics or pain control medication.
- The inspector witnessed a live, wild raccoon in a barn housing rabbits, several dirty rabbit food receptacles, and improper sanitation of rabbit enclosures.
- Additional issues noted: damage to enclosures that could cause harm to llamas; dirty water receptacles in goat enclosures; and accumulation of dirt, fecal material, debris, hair, rat feces, and an extreme number of large cobwebs in goat enclosures.

Issues documented on an October 2023 USDA inspection report:

- The rabbit who had hair loss in July still had not been treated. Two additional rabbits exhibited hair loss. At the end of July, the attending veterinarian recommended that all rabbits be given a monthly medication to treat hair loss. No such medication had been given to any rabbits.
- Inspector noted that “repairs continue to need to be made” to address issues found in July.



In October 2023, Southern Biotechnology Associates Inc. received an Official Warning Notice of Alleged Violation for the July violations. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Hamsters	0	0	1	192	193
Rabbits	0	0	89	0	89
Monkeys/Apes	0	0	21	0	21
Pigs	0	0	223	17	240
Other animals	0	16	265	77	358
Total	0	16	599	286	901

Issues documented on a May 2023 USDA inspection report:

- A lab member used isoflurane to sedate six animals for an injection because they were not comfortable injecting the animals while awake. The experimental protocol did not approve isoflurane use, and the isoflurane was expired.
- A cage housing three shrews needed cleaning. Excreta, both fresh and up to four weeks old, was built up on perches, shelves, and the floor of the cage, with some excreta growing fuzzy white mold. The feet of multiple shrews were contaminated with excreta.



To date, the University of Alabama at Birmingham has not received fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	52	82	0	0	134
Cats	15	15	0	0	30
Total	67	97	0	0	164

Issue documented on an August 2023 inspection report:

- A student witnessed another student slap a 1-year-old Staffordshire terrier named Harold across the head during handling activities.



To date, Western Maricopa Education Center has not received fines or penalties for the issue described.



In FY 2023, 784 laboratories reported using 844,915 animals covered by the Animal Welfare Act.

BIGGER PICTURE

Amphastar Laboratories Inc., Rancho Cucamonga

Facility's 2023 Annual Report records zero animals at the facility.

Issue documented on a March 2023 USDA inspection report:

- Three rabbits suffered spinal fractures while being handled by staff, which resulted in the veterinarian killing all three rabbits.



In May 2023, Amphastar received an Official Warning Notice of Alleged Violation for mishandling of animals. No fines or penalties have been issued to date.

BTS Research, San Diego

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	34	24	0	58
Guinea pigs	0	0	95	0	95
Hamsters	0	0	122	0	122
Rabbits	0	10	28	0	38
Monkeys/Apes	0	32	54	0	86
Pigs	0	16	12	0	28
Total	0	92	335	0	427

Issue documented on a March 2023 USDA inspection report:

- Numerous examples were found where body temperature was not correctly recorded during anesthetic procedures on dogs and monkeys. Temperature was recorded as "NA."



To date, BTS Research has not received fines or penalties for the issue described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	8	0	8
Rabbits	0	0	44	0	44
Pigs	0	0	56	0	56
Total	0	0	108	0	108

Issues documented on an August 2023 USDA inspection report:

- Review of documents revealed that one researcher deviated from approved experimental procedures on numerous occasions:
 - The researcher implanted a pacemaker in a pig without proper sterilization of the device. The device was immersed in disinfectant for 20 minutes before being implanted. Protocol called for the device to soak a minimum of 10 hours in a chemical sterilant, rinsed with sterile saline, and then soaked for at least 10 hours in sterile saline.
 - A procedure involving a large blood vessel in the thigh was performed on a pig without prior veterinary consultation.
 - A pig was given an injection of stem cells, but the procedure was not in an approved protocol.
 - The researcher scheduled a pig to undergo surgery for telemetry implantation as a stand-alone procedure. The protocol called for more invasive procedures, so the pig underwent a less invasive procedure than was approved.
 - A non-survival surgery was performed without approval on a pig that involved cutting the pig between its ribs to access organs in the chest or thorax.



To date, Cedars-Sinai Medical Center has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Monkeys/Apes	0	100	213	0	313

Issue documented on a July 2023 USDA inspection report:

- Multiple monkeys were injured during acclimation training to poling, chairing, and other restraints. Injuries on the monkeys included abrasions on various parts of the body, a neck lesion with swelling, hand and foot injuries, and “reopening of neck wounds.”

Issue documented on a November 2023 USDA inspection report:

- Veterinarians needed permission from study directors before administering treatment. This played out when a veterinarian recommended euthanasia for an animal due to declining health and had to wait for the study director to approve the euthanasia. It was noted that if vets cannot independently make decisions, it could lead to unnecessary pain and suffering for animals.



In September 2023, Joinn Laboratories received an Official Warning Notice of Alleged Violation for mishandling of animals. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Rabbits	0	0	536	187	723
Sheep	0	2	18	0	20
Pigs	0	3	62	0	65
Total	0	5	616	187	808

Issue documented on an August 2023 USDA inspection report:

- A pig was anesthetized for about 30 minutes when the attending vet stepped away and left a technician, who was not sufficiently trained in animal anesthesia, to oversee it. After five minutes the vet returned and attempted to revive the pig without success. The attending vet stated, "pigs are sensitive to anesthesia, and it is not uncommon for incidents like this to occur."



To date, the Lundquist Institute has not received any fines or penalties for the issue described.



Laboratories are not required to provide data or information on the number of mice and rats they use. Estimates put the number of mice and rats used in research in the United States between 10 million and 111 million animals per year.

BIGGER PICTURE

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	0	4	0	4
Hamsters	178	58	6	24	266
Rabbits	4	2	187	6	199
Monkeys/Apes	8	47	14	0	69
Sheep	0	0	26	0	26
Pigs	4	0	214	9	227
Other animals	117	373	135	480	1,105
Total	311	480	586	519	1,896

Issue documented on a June 2023 USDA inspection report:

- A Siberian hamster escaped from its cage, got out of the housing room, and got caught in a hallway pest control trap. The animal was found and assessed; the decision was made to kill it.



In August 2023, Stanford received an Official Warning Notice of Alleged Violation for mishandling of animals. No fines or other penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	19	32	66	0	117
Hamsters	0	0	25	0	25
Monkeys/Apes	2	2	23	0	27
Other animals	428	525	105	0	1,058
Total	449	559	219	0	1,227

Issue documented on a March 2023 USDA inspection report:

- Bats had been moved from their main cage into a temporary cage for cleaning. Once cleaning was complete the employee opened the door of the temporary cage to let the bats fly back into their main cage. The temporary cage was then sent to be washed. Two bats were found dead six days later in the temporary cage. Cause of death was “exposure to 180-degree water” in cage wash.

Issue documented on a September 2023 USDA inspection report:

- A vole was found dead with cause of death being a wound rupture along the surgical incision.



In May 2023, UC-Berkeley received an Official Warning Notice of Alleged Violation for mishandling of animals. No fines or other penalties have been issued to date.

Number of animals reported in 2023 annual report

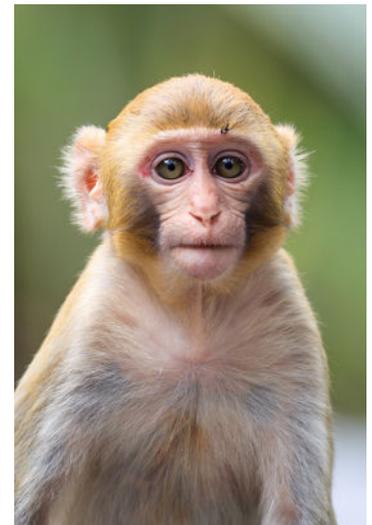
Species	Pain Category				Total
	B	C	D	E	
Dogs	0	16	20	0	36
Cats	100	106	43	0	249
Guinea pigs	0	7	5	0	12
Hamsters	0	0	86	0	86
Rabbits	0	65	106	0	171
Monkeys/Apes	3,428	787	1,139	0	5,354
Sheep	1	76	340	0	417
Pigs	0	8	106	0	114
Other animals	1,084	375	331	0	1,790
Total	4,613	1,440	2,176	0	8,229

Issue documented on a May 2023 USDA inspection report:

- Four animals were used in a teaching protocol that had not been approved.

Issues documented on an October 2023 USDA inspection report:

- A 10-year-old overweight macaque monkey was moved from an indoor cage to outdoor group housing. About three months later the monkey showed signs of lethargy, diarrhea, and weight loss. At that time, he weighed 8.17kg, representing significant weight loss over the three-month period that was never noted by staff. The monkey was killed by staff one day after the significant weight loss was noticed.
- Two rhesus macaque monkeys were transported from one building to another for an experiment. Upon arrival at the receiving building, one monkey was taken into the building while the other, a geriatric female, was left in the van. During the second check of the monkey in the van, she was found unresponsive. She never regained consciousness and was ultimately killed. Necropsy indicated the death was likely heat related.



Issue documented on a December 2023 USDA inspection report:

- A female sheep went into labor and gave birth to four lambs in her stall. A small, enclosed area was set up using an existing pen at the rear of the stall. One of the lambs ultimately caught its head/neck between a vertical metal bar and the wall of the smaller pen and was found unresponsive and ultimately died.



To date, UC-Davis has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Cats	0	12	22	0	34
Guinea pigs	0	70	0	0	70
Hamsters	0	0	526	0	526
Rabbits	43	0	15	0	58
Sheep	0	0	4	0	4
Pigs	0	0	168	0	168
Other animals	105	0	154	0	259
Total	148	82	889	0	1,119

Issue documented on a December 2023 USDA inspection report:

- During a cardiac experiment involving a pig, heparin was supposed to be administered to prevent blood clotting, but it wasn't. The pig went into cardiac arrest and was killed without recovering from anesthesia.



To date, UC-Irvine has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	54	80	0	134
Hamsters	0	0	0	20	20
Rabbits	0	1	75	0	76
Monkeys/Apes	18	1	12	0	31
Sheep	0	0	7	0	7
Pigs	0	0	262	0	262
Other animals	54	183	10	0	247
Total	72	239	446	20	777

Issues documented on a May 2023 USDA inspection report:

- Medical record numbers were mixed up for two rabbits. One rabbit went through surgery but did not receive pain relief medication afterward. Another rabbit, who was not subject to surgery, received pain medication.
- A last-minute switch in the type of experiment performed on a rabbit resulted in the animal not receiving pre-procedure antibiotics.
- Two Guinea pigs were placed in a holding cage with insufficient air flow, resulting in the death of the animals due to asphyxiation.

Issue documented on a September 2023 USDA inspection report:

- Upon encountering unexpected issues during surgery, a researcher aborted the approved surgical procedure for three pigs. The animals recovered, and then two underwent further procedures. The mix up resulted in one pig not receiving post-operative pain relief, and one pig being fasted for approximately 24 hours, which exceeded the approved fasting time of 12 hours.



In July 2023, UC-Los Angeles received an Official Warning Notice of Alleged Violation for issues documented in May. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Cats	0	2	0	0	2
Rabbits	0	0	12	0	12
Other animals	795	337	126	40	1,298
Total	795	339	138	40	1,312

Issue documented on an August 2023 USDA inspection report:

- A researcher failed to notify the vet of unanticipated mortalities of eight of 11 voles. Three voles died in July 2022 and five were found dead in August and early September of 2022. After being informed of the ninth vole death, the vet performed a necropsy, which showed the animal had a bacterial lung infection. The lack of timely communication between the researcher and the vet prevented the vet from minimizing the number of vole deaths.



In September 2023, UC-Riverside received an Official Warning Notice of Alleged Violation for issues documented in August. No fines or penalties have been issued to date.



In FY 2023, 46,848 dogs were reportedly housed and used for experiments. Of those, 450 dogs were subjected to experiments that caused pain or distress, but they were not given any pain relief.

BIGGER PICTURE

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Monkeys/Apes	0	8	0	0	8
Other animals	91	1,122	34	0	1,247
Total	91	1,130	34	0	1,255

Issues documented on an April 2023 USDA inspection report:

- One pocket mouse was mistakenly placed in the wrong enclosure, resulting in death.
- One pocket mouse escaped through a camera port in its cage and was never caught.



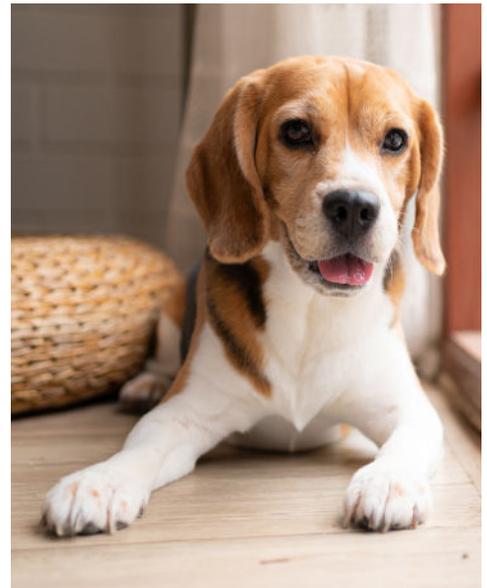
In July 2023, the Zoological Society of San Diego received an Official Warning Notice of Alleged Violation for issues found in April. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	19	195	59	273
Cats	0	0	10	0	10
Rabbits	0	0	16	0	16
Sheep	53	0	55	0	108
Pigs	6	0	188	0	194
Total	59	19	464	59	601

Issue documented on a July 2023 USDA inspection report:

- One Beagle identified as “4571542” got part of its foot stuck between the slats in the cage flooring and began vocalizing. Per a facility representative, this has been seen before with Beagles.
- Eight Beagles were in cages that did not meet minimum space requirements. One cage measured 4.08 square feet for a Beagle who should have been allotted 6.25 square feet of space.



To date, Bronco Research Services has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	23	43	0	66
Cats	0	0	115	0	115
Guinea pigs	17	128	146	7	298
Hamsters	0	950	280	0	1,230
Rabbits	0	97	637	19	753
Sheep	89	151	557	0	797
Pigs	0	9	11	0	20
Other animals	663	1,356	371	17	2,407
Total	769	2,714	2,160	43	5,686

Issue documented on a February 2023 USDA inspection report:

- Twelve rabbits were used in an experiment that called for them to be killed once their body temperature exceeded 105.8°F. The rabbits were not killed in a timely manner once their body temperature exceeded 105.8°F; six of the rabbits were found dead. The remaining six were killed later.

Issue documented on a May 2023 USDA inspection report:

- In a room with 45 ferrets, inspectors found one ferret stuck in an area between a barrier and the door to the room. The facility was cited for using cages that did not properly contain the animals.

Issues documented on a July 2023 USDA inspection report:

- One horse was found in a pasture that did not contain any shelter structures.
- A horse was in a pasture where the only available water was dirty, with a dark green-brown film coating the sides and bottom of the tank.

Issue documented on a December 2023 USDA inspection report:

- The inspector noted a thin sheep. During the inspection a vet assessed the sheep and found it to have a body score of 1.5/5. There was no report of the sheep being thin prior to the inspector noticing it.



In June 2024, Colorado State University was fined \$10,200. The fine addressed issues found in February, May, and December of 2023, as well as issues found in 2022.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Pigs	20	0	0	0	20

Issue documented on a March 2023 USDA inspection report:

- Expired medication and vaccines were found in the medication storage area.

Issues documented on a June 2023 USDA inspection report:

- Four goats were killed, and many others wounded, when stray dogs gained access to the herd through breaks in the fence of their enclosure. The dogs also dug under the fencing.
- A shelter structure housing a livestock guardian dog named Mufasa had loose bolts, wire pieces, empty bleach bottles, and other maintenance items that could injure the dog or be ingested.



In July 2023, this facility received an Official Warning Notice of Alleged Violation for issues documented in June. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	28	100	0	128
Hamsters	0	2	2	31	35
Rabbits	5	2	1	0	8
Monkeys/Apes	2,330	337	1,263	0	3,930
Pigs	0	16	55	20	91
Other animals	1,635	338	355	62	2,390
Total	3,970	723	1,776	113	6,582

Issues documented on a February 2023 USDA inspection report:

- A 2-year-old rhesus macaque monkey was found dead in an outdoor cage. She was found with her head inside a gap in the wall dividing two cages.
- Multiple areas of excessive rust were identified during inspection:
 - The outdoor portion of the chimp group housing had areas of excessive rust affecting the integrity of the enclosure’s metal bars.
 - Another area housing monkeys had several metal surfaces with varying degrees of rust. It was noted that “the animals may also injure themselves on jagged metal surfaces present when the metal starts to disintegrate.”
- An oversight committee approved a 12-week interval between cage sanitations due to labor shortages. According to regulations this is not a valid reason to extend the 2-week sanitation rule.

Issue documented on a February 2023 USDA inspection report:

- A dead vole was found in a freezer outside of a plastic bag. It was determined that staff had attempted to kill the vole, but the animal was still alive at the time it was placed in the freezer.



In April 2024, Emory University was fined \$42,000. The fine addressed issues documented in February 2023, previous issues found in 2019-2022, and a problem already documented in 2024.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	3	4	0	7
Cats	0	4	6	0	10
Guinea pigs	0	7	0	0	7
Rabbits	0	4	0	0	4
Other animals	11	11	0	0	22
Total	11	29	10	0	50

Issue documented on a February 2023 USDA inspection report:

- On one day, the temperature in a room with seven Guinea pigs was 58.5°F. Staff said they had been having trouble with the heating system for a couple of months. It was noted that Guinea pigs kept in temperatures below 60°F may be subject to cold stress.

Issues documented on a September 2023 USDA inspection report:

- Seven cats were housed in cages that did not meet the 24-inch height requirement. Two of the cats were observed crouching to move around the enclosure.
- In a large hoof stock pasture, sharp projections and holes in fencing were noted.
- Two enclosures holding three horses and other large hoof stock had water troughs containing cloudy, green water. Inspectors were unable to see the bottom of the receptacles.



To date, Fort Valley State University has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	2	0	18	0	20
Rabbits	0	0	87	0	87
Sheep	7	0	64	0	71
Pigs	19	0	142	0	161
Other animals	0	0	19	0	19
Total	28	0	330	0	358

Issues documented on a January 2023 USDA inspection report:

- A rabbit was found dead by asphyxiation after becoming trapped while trying to escape its cage.
- The cage wash system was not effectively cleaning and sanitizing enclosures and toys. Supposedly clean enclosures and toys were found with brown fecal staining.



In April 2024, this facility was fined \$2,000. The fine addressed the incident with the deceased rabbit and problems documented in 2021 and 2022.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	17	71	0	88
Cats	4	59	34	0	97
Hamsters	0	6	451	400	857
Rabbits	0	1	72	0	73
Monkeys/Apes	0	0	82	0	82
Sheep	0	0	8	0	8
Pigs	0	164	214	0	378
Other animals	34	272	636	240	1,182
Total	38	519	1,568	640	2,765

Issues documented on a March 2023 USDA inspection report:

- A female deer was found excessively salivating and stumbling into a fence. She was killed and underwent a necropsy, which found she was emaciated and had pneumonia.
- While under anesthesia, a dog suffered an injury when an electrical current that should have been paused during the experiment was instead given continuously. The dog was limping the following day and was found to have third-degree burns on a forelimb that required surgical intervention.
- A female macaque monkey was found with her right arm, past the elbow, stuck through the floor grate of her enclosure, and she was unable to pull her arm back through. She was sedated and parts of the enclosure had to be cut away to free her arm, which was swollen and bruised around the elbow.
- In a setting where surgical training for veterinary students occurs, many areas needed cleaning to provide sterile conditions.
- One pasture with two horses and an enclosure with deer were found to have multiple sharp points that could harm the animals.
- A pasture housing two horses was missing wire paneling, resulting in a “very large opening.”
- Two pastures, each with a single horse, were inspected in the early afternoon on a bright sunny day and neither pasture had shade nor cover to protect horses from direct sunlight.



In January 2024, the University of Georgia was fined \$12,150. The fine addressed the issues with the dead deer, the dog, and the unsafe enclosures documented in the March 2023 report, as well as problems previously documented in 2020, 2021, and 2022.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	7	2	80	0	89
Rabbits	3	25	0	0	28
Monkeys/Apes	12	0	1	0	13
Pigs	0	0	30	0	30
Total	22	27	111	0	160

Issue documented on a September 2023 USDA inspection report:

- A 78.8-kilogram Yorkshire pig died during an experiment that used an anesthesia machine with a maximum weight capacity of 68 kilograms. The pig died from insufficient anesthesia and ventilation.



In November 2023, Loyola University received an Official Warning Notice of Alleged Violation regarding the incident above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	2	4	20	0	26
Guinea pigs	0	61	67	0	128
Hamsters	0	1	0	0	1
Rabbits	1	76	126	0	203
Monkeys/Apes	51	9	70	0	130
Sheep	0	1	21	0	22
Pigs	8	1	255	0	264
Other animals	2,903	19	78	0	3,000
Total	2,965	172	637	0	3,774

Issues documented on a April 2023 USDA inspection report:

- An 11-year-old female baboon was exhibiting signs of dehydration, including open mouth breathing and loss of muscle control. The baboon was ultimately killed. The cause of dehydration was a water valve malfunction that went unnoticed.
- Four naked mole rats were found dead in their enclosure. No food was found in the enclosure, and necropsy findings indicated the animals starved.



To date, the University of Illinois at Chicago has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	24	0	0	24
Cats	0	24	0	0	24
Rabbits	0	2	0	0	2
Total	0	50	0	0	50

Issue documented on a January 2023 USDA inspection report:

- An expired bottle of ketamine hydrochloride injection was used in nine procedures on cats.



To date, Iowa Western Community College has not received any fines or penalties for the issue described.



USDA inspectors do not have the authority to seize animals or order a laboratory to cease experiments on animals even in situations where they find egregious neglect or animal suffering.

BIGGER PICTURE

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	12	0	0	12
Rabbits	0	3	0	0	3
Monkeys/Apes	0	5	4	0	9
Pigs	0	0	8	0	8
Other animals	54	0	96	0	150
Total	54	20	108	0	182

Issue documented on a June 2023 USDA inspection report:

- A Vervet monkey died while undergoing an experiment to implant a headcap. After an hour of surgery, the vet left the research assistant in charge of anesthesia. An hour and a half later the monkey was pronounced dead. The death was suspected to be due to the endotracheal tube becoming dislodged, leading to lack of oxygen and cardiac injury. Both the veterinarian and research assistant felt that the assistant lacked the training to properly respond to the situation.



! In July 2023, this facility received an Official Warning Notice of Alleged Violation regarding the incident above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	57	0	57
Monkeys/Apes	0	0	82	0	82
Sheep	0	0	14	0	14
Pigs	0	0	8	0	8
Other animals	348	3	362	89	802
Total	348	3	523	89	963

Issue documented on a June 2023 USDA inspection report:

- A male alpaca named Bunny was found dead outside of his pasture, and his body had been almost entirely eaten away. It was noted that gaps in fencing allowed easy access for predators.



In August 2023, this facility received an Official Warning Notice of Alleged Violation regarding the incident above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Rabbits	0	0	5	0	5
Monkeys/Apes	5,061	219	603	0	5,883
Pigs	0	0	26	0	26
Other animals	0	745	0	0	745
Total	5,061	964	634	0	6,659

Issues documented on a June 2023 USDA inspection report:

- At least four monkeys were entangled in an outdoor enclosure at the monkey breeding facility, some of whom were injured and required medical attention and surgery.
- Pieces of rodent bait were found inside of animal enclosures on several occasions, necessitating medical treatment for monkeys to prevent adverse effects of rodent poison.
- The grounds near animal housing facilities accumulated overgrown vegetation, trash, and discarded materials. It was noted that such conditions may attract pests that can spread disease to the monkeys.
- There was a pest control issue. Many dead rats, some living rats, and rat droppings were found inside and outside of monkey cage areas. Many Canada geese were found to be living and breeding within the facility's perimeter fence, and goose droppings were found throughout the facility.



Issues documented on a December 2023 USDA inspection report:

- Approximately 40 cages in the rhesus macaque monkey breeding colony did not provide adequate shelter from the elements. Each cage houses approximately five rhesus monkeys.
- The grounds near animal housing facilities accumulated overgrown vegetation and discarded materials. This is a repeat problem at the facility.
- A pest control issue persists.



To date, Tulane University has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	52	0	52
Rabbits	0	267	682	0	949
Total	0	267	734	0	1,001

Issue documented on a January 2023 USDA inspection report:

- Two rabbits sustained injuries while being restrained for microchipping or tattoo application. In both cases the rabbits fractured a leg and had to be killed.



In March 2023, Basi Gaithersburg received an Official Warning Notice of Alleged Violation for the incident described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	212	54	0	266
Cats	0	0	6	0	6
Guinea pigs	0	283	136	0	419
Hamsters	15	110	387	0	512
Rabbits	46	262	389	0	697
Monkeys/Apes	136	208	153	0	497
Sheep	0	2	19	0	21
Other animals	158	74	122	0	354
Total	355	1,187	1,795	0	3,337

Issue documented on a February 2023 USDA inspection report:

- A dog died of cardiac arrest during an experiment after potassium chloride was administered contrary to the experimental protocol.

Issue documented on a May 2023 USDA inspection report:

- One pig underwent experimental procedures even though the experimental protocol had expired.

Issue documented on an August 2023 USDA inspection report:

- On August 15, 2023, two juvenile rhesus macaque monkeys escaped from their enclosure when staff tried to move them. The facility had to set up live traps with fresh produce, schedule walks around the perimeter of the facility, and have personnel stationed at the facility overnight until the animals were captured. One monkey was captured on the 16th and the other the evening of the 17th.



In November 2023, Johns Hopkins University was fined \$12,300 for the issues discovered in February and May 2023, and for issues found previously in 2021 and 2022.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	0	82	84	166
Hamsters	0	0	0	6	6
Rabbits	0	9	9	401	419
Monkeys/Apes	0	20	69	0	89
Pigs	0	0	33	14	47
Other animals	0	11	52	52	115
Total	0	40	245	557	842

Issues documented on a June 2023 USDA inspection report:

- In three separate instances baboons were injured due to poor cage structure:
 - A male baboon’s cage was not secured properly, and he was able to pull a female baboon’s cage toward his, injuring his hand in the process. His left index finger had to be amputated.
 - A female baboon broke the wall anchor on her cage and moved her cage close to a male baboon’s cage, resulting in injury to the male baboon’s right index finger. The fingernail needed to be removed.
 - A female baboon had to have a finger on her right hand amputated after she encountered another baboon when the anchor securing her cage failed.
- Inspectors saw two pigs wearing jackets that were rubbing their legs and causing red skin. The irritated skin had been noticed almost a week earlier but was not reported to veterinary staff.
- In numerous instances, ferrets did not receive the correct drug and other changes were made to experimental procedures without approval.



In May 2024, this facility was fined \$8,750. The fine addressed the issues with cage structure, as well as issues documented in 2021, and an issue already documented in 2024.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	2	31	7	82	122
Hamsters	0	0	0	97	97
Pigs	0	24	5	29	58
Other animals	6	30	218	0	254
Total	8	85	230	208	531

Issue documented on an May 2023 USDA inspection report:

- Three gerbils were found dead in their cage, and it was noted that no food was in the cage. Staff failed to provide food within at least a 24-hour period.



In July 2023, The University of Maryland College Park received an Official Warning Notice of Alleged Violation for the problem described above. No fines or penalties have been issued to date.



In FY 2023, 107,747 monkeys/apes were reportedly housed and used for experiments. Of those, 1,231 monkeys/apes were subjected to experiments that caused pain or distress, but they were not given any pain relief.

BIGGER PICTURE

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	0	0	30	30
Hamsters	0	0	33	589	622
Monkeys/Apes	0	58	95	161	314
Other animals	79	75	99	0	253
Total	79	133	227	780	1,219

Issue documented on a December 2023 USDA inspection report:

- A monkey was found dead in its cage after becoming entangled in an enrichment device. The chain used to attach the device was 31.5 cm long, which was long enough to be pulled into the cage to form a loop in which the animal became entrapped.



To date, Boston University has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	0	33	0	33
Hamsters	7	1	12	0	20
Rabbits	0	0	21	0	21
Sheep	0	19	69	0	88
Pigs	17	56	732	0	805
Total	24	76	867	0	967

Issues documented on a September 2023 USDA inspection report:

- To measure the temperature of an anesthetized rabbit, a thermometer was inserted into the rectum and could not be retrieved by hand. Imaging was conducted, and it revealed that the thermometer penetrated the colon and was partially in the abdominal cavity.
- A pig underwent a surgical experiment and received only one of the two necessary pain medications. The problem was detected later the same day, and the pig was provided with the missed dose.
- Three pigs underwent procedures and did not receive post-procedure pain relief as required.
- A pig underwent a cranial implant experiment, and the researcher used a surgical method that was not pre-approved.



! In November 2023 this facility received an Official Warning Notice of Alleged Violation for the incident involving the rabbit. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	28	7,810	1,414	0	9,252
Cats	0	37	20	0	57
Guinea pigs	21	1,158	3,287	0	4,466
Hamsters	1	945	55	0	1,001
Rabbits	26	11,921	872	0	12,819
Monkeys/Apes	2,047	11,874	2,839	0	16,760
Sheep	0	0	38	0	38
Pigs	22	1,481	619	0	2,122
Other animals	0	110	69	0	179
Total	2,145	35,336	9,213	0	46,694

Issue documented on a December 2023 USDA inspection report:

- An experiment was approved to hold rabbits for “usually 24-28 hours,” but up to five days in transport containers that are 10 inches high. The facility uses shipping gel for a water source instead of giving the animals potable water every day. Neither the containers nor the water source meet requirements of the Animal Welfare Act.



To date, Charles River Laboratories has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Rabbits	0	0	92	0	92
Monkeys/Apes	0	2	290	0	292
Sheep	0	0	16	0	16
Pigs	0	0	231	0	231
Other animals	0	0	18	0	18
Total	0	2	647	0	649

Issues documented on a July 2023 USDA inspection report:

- A pig underwent an experiment that included a large abdominal incision to access organs and was supposed to get post-procedure pain relief. One of the pain relief medications was given three hours later than directed. Additional pain medications were prescribed, but they were administered later than directed by the vet: one medication was given two hours late and one six hours late. The replacement of pain patches was also delayed by approximately 40 hours. It was noted that “the individual responsible for post-operative care of the animal did not provide appropriate care.”
- A goat became entangled in a hay bag and was injured by another goat in the pen while entangled, requiring veterinary treatment for a laceration.
- Researchers did not verify a macaque monkey’s tattoo number before handling the animal for an experiment. This resulted in the monkey receiving immunosuppressive treatments intended for a different monkey. The animal required a four-week period of recovery.
- Eight biopsies were approved for animals enrolled in an experiment, but a ninth biopsy procedure was performed on one animal contrary to approved procedures.
- After a surgical biopsy an animal was supposed to get a long-acting opioid and anti-inflammatory treatment daily for five days. The animal did not receive the anti-inflammatory treatment on the two days following the procedure.
- An animal received a transplant and was supposed to get six doses of immunosuppressants. An extra dose of immunosuppressants was given to the animal contrary to experimental protocol.
- A rabbit underwent an experimental procedure and was supposed to be monitored twice daily for three days post-experiment. Monitoring did not happen in accordance with the protocol.

Issue documented on a October 2023 USDA inspection report:

- Two monkeys were not given water as directed by protocol. Both animals experienced a slight decrease in producing feces and urine for two days.



In September 2023 this facility received an Official Warning Notice of Alleged Violation for the goat entanglement and the pig who did not receive pain medication after having a large incision cut into their abdomen. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Monkeys/Apes	0	19	74	0	93

Issue documented on a August 2023 USDA inspection report:

- An experimental protocol indicated that animals could be expected to experience loss of up to 10% body weight. It was discovered that one animal had lost 13% of its body weight. The attending veterinarian was not notified, and the animal was kept in the experiment.



To date, McLean Hospital Corporation has not received any fines or penalties for the issues described.



The majority of animals in laboratories are “purpose-bred,” meaning they are bred specifically to be used in experiments. Some animals, including birds and monkeys, may be taken from the wild for use in experiments.

BIGGER PICTURE

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Hamsters	6	34	69	0	109
Rabbits	0	0	16	0	16
Monkeys/Apes	171	114	74	0	359
Pigs	0	0	42	0	42
Other animals	169	1,664	20	0	1,853
Total	346	1,812	221	0	2,379

Issue documented on a March 2023 USDA inspection report:

- Hamsters were held in a temperature-controlled hibernation chamber and were supposed to be monitored by implanted telemetric devices and observation by veterinary staff. One hamster escaped its cage, and no one noticed that the animal was missing for six days. Once found, data from the implanted device revealed that the hamster had died the day after escaping.

Issues documented on a August 2023 USDA inspection report:

- A macaque monkey was improperly held in a restraint chair and escaped into the room. During the escape, the monkey overheated and received injuries that required treatment. The facility has been cited for mishandling animals in the past, making this a repeat issue.
- A macaque monkey was prescribed antibiotics to be given every 12 hours after a surgical experiment. The initial dose was administered at 3:30 pm, and the next dose was administered at time of inspection, approximately 20 hours later.



To date, MIT has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Pigs	3	0	352	0	355

Issue documented on a March 2023 USDA inspection report:

- A facility staff member noted that pig #58014 had an abnormal gait while using its hind limbs. Two days later, another employee noted that the pig continued to walk abnormally on the left hind limb. Neither of these observations was reported to the veterinarian.



To date, Transmedics Inc. has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Cats	0	0	4	0	4
Guinea pigs	0	0	178	0	178
Hamsters	0	20	28	0	48
Rabbits	0	755	131	23	909
Monkeys/Apes	0	0	8	0	8
Sheep	0	0	54	16	70
Pigs	0	24	330	12	366
Other animals	0	486	8	41	535
Total	0	1,285	741	92	2,118

Issues documented on a March 2023 USDA inspection report:

- A pig underwent a procedure that involved cutting into their throat even though the procedure was not part of the approved experimental protocol.
- A rabbit was found with an injury to the right hindlimb, but the lab personnel who observed the injury did not notify veterinary staff.
- A baby bunny went missing from its cage and a thorough search did not locate it. How the bunny escaped was never determined.
- A baby cow was given an expired anesthetic.

Issues documented on a May 2023 USDA inspection report:

- During a cage change, one male grass rat was missed. He was left in a dirty cage and didn't have access to food or water until he was discovered four days later.
- A lab member euthanized four rabbits but did not perform the necessary secondary method of euthanasia. A female rabbit who was supposedly killed was discovered alive the next morning.
- It was discovered that an expired anesthesia machine had been used during four rabbit experiments.
- An expired sedative was given to a pig.



To date, the University of Michigan has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	10	7	482	0	499
Guinea pigs	196	16,140	30	0	16,366
Hamsters	2	55	0	0	57
Rabbits	82	1,781	1,606	0	3,469
Sheep	12	23	398	0	433
Pigs	9	53	1,287	0	1,349
Other animals	0	1	3	0	4
Total	311	18,060	3,806	0	22,177

Issue documented on a September 2023 USDA inspection report:

- Beagle #22C0440 was found dead, and Beagle #22C0435 was found with injuries. The Beagles were in neighboring kennels separated with a divider that left enough space for them to interact. The animals fought, and both dogs were injured. Beagle #22C0440 was caught in the space under the kennel divider, which resulted in their death.



In October 2023 this facility received an Official Warning Notice of Alleged Violation for the incident described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	0	12	0	12
Rabbits	0	0	107	0	107
Monkeys/Apes	0	0	112	0	112
Other animals	0	0	3	0	3
Total	0	0	234	0	234

Issues documented on a March 2023 USDA inspection report:

- A female rhesus macaque monkey escaped after staff failed to properly secure locks on her cage. The monkey injured another female rhesus macaque on the tongue and right hand.
- Less than a week later, a male rhesus macaque escaped from his cage, also due to employees failing to properly secure locks. The macaque was injured on his right pinky finger, left ear tip, and right upper lip. He needed surgery to repair his finger and ear.
- Nearly two weeks after the incident with the male macaque, another female macaque monkey escaped from her cage. While out, the monkey got a cut on her lower jaw, which needed to be closed with tissue glue and treated with antibiotics.



In April 2023 this facility received an Official Warning Notice of Alleged Violation for the incidents described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	26	0	26
Guinea pigs	0	0	220	364	584
Rabbits	0	0	214	0	214
Pigs	0	0	43	11	54
Total	0	0	503	375	878

Issues documented on a August 2023 USDA inspection report:

- Thirty-two rabbits were killed after they were given mis-dosed eye drops. After being given the drops, the rabbits showed eye irritation. It was discovered that the eyedrops' pH was between 5.09-5.56 when it should have been between 6-7.4. The study director determined that additional data from the rabbits would be unusable, so the decision was made to kill them.
- Two crab-eating macaque monkeys were killed after they received a test formula injection into their hamstrings. The test formula was supposed to be injected into the calf muscle. The animals were killed 11 hours post-injection because they could not provide scientifically valid data.
- Four Beagles identified as GLV, GEV, FPV, and ETV did not have access to drinkable water because they had overturned their water bowls.
- Two rabbits, #1 and #7, escaped from their cage. Rabbit #7 was found with a small abrasion on the nose and a superficial laceration at the base of his left ear. It appeared that the cage doors were not securely latched, and the rabbits could have been outside their cage for up to 17 hours.
- Rabbit #19 escaped its cage and rabbit #15 was found stuck halfway through the cage door bars. On initial observation rabbit #15 had bruising and appeared dazed. A later check found no abnormalities.



In November 2023, MRIGlobal received one Official Warning Notice of Alleged Violation for the rabbits and macaque monkeys who were killed after staff errors. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	63	20	0	83
Cats	0	22	0	0	22
Guinea pigs	0	4	0	0	4
Hamsters	0	1,053	0	0	1,053
Rabbits	0	0	13	0	13
Monkeys/Apes	0	49	10	0	59
Sheep	0	0	2	0	2
Pigs	0	4	226	0	230
Other animals	180	121	140	0	441
Total	180	1,316	411	0	1,907

Issue documented on a August 2023 USDA inspection report:

- A lab member found a dead hamster in a cage. The cage was not latched in as it should have been, which resulted in the cage moving forward and disconnecting from the air supply.



In September 2023, this facility received an Official Warning Notice of Alleged Violation regarding the hamster death described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	98	409	224	0	731
Cats	0	280	167	6	453
Guinea pigs	62	465	703	872	2,102
Hamsters	278	3,952	1,805	1,162	7,197
Rabbits	43	19	608	392	1,062
Other animals	0	45	0	0	45
Total	481	5,170	3,507	2,432	11,590

Issue documented on a May 2023 USDA inspection report:

- Seven hamsters drowned in their cages. The drinking system in one cage began to run continually and filled that cage to the point that water started to overflow into the cage below. Two hamsters drowned in the upper cage and all five hamsters died in the lower cage.

Issue documented on a August 2023 USDA inspection report:

- Two dogs were locked in an enclosure overnight with no water after a guillotine door became unlatched and fell, locking the two dogs on the side with no water.



In April 2024, Intervet Inc. was fined \$43,500. This fine addressed the incident that led to the death of seven hamsters and for other problems documented by the USDA in 2019, 2022, and early 2024.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	34	310	18	0	362
Guinea pigs	57	1,416	355	0	1,828
Hamsters	0	20	42	0	62
Rabbits	25	1,185	102	3	1,315
Monkeys/Apes	56	685	164	0	905
Pigs	0	0	16	0	16
Other animals	0	41	348	0	389
Total	172	3,657	1,045	3	4,877

Issues documented on a February 2023 USDA inspection report:

- Following a routine cage change, a cage containing two Guinea pigs was placed on a flatbed carrying dirty cages. The flatbed was then rolled into an autoclave, a machine that uses extreme temperatures to sterilize equipment. The Guinea pigs died.
- Two monkeys who were not part of an approved research experiment were used in an imaging study. Despite vet staff asking the head researcher to stop using the monkeys, they were used without approval on more than one occasion.



In May 2024, this facility was fined \$4,500. This fine addressed the death of the two Guinea pigs in the autoclave, as well as an issue documented in 2022.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	6	56	0	62
Hamsters	0	68	2	0	70
Rabbits	0	6	168	0	174
Monkeys/Apes	0	0	6	0	6
Pigs	0	0	5	0	5
Other animals	0	0	430	6	436
Total	0	80	667	6	753

Issue documented on a January 2023 USDA inspection report:

- Male macaque monkey #18 escaped from his primary enclosure and was bit by another macaque monkey (#17), resulting in a laceration to the right forearm. Macaque #18 was sedated, and the laceration was repaired.



On March 1, 2023, Rutgers received an Official Warning Notice of Alleged Violation for the incident described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	530	4	156	690
Hamsters	0	188	0	0	188
Rabbits	0	84	1	0	85
Monkeys/Apes	0	639	171	179	989
Pigs	0	10	124	39	173
Other animals	0	23	3	0	26
Total	0	1,474	303	374	2,151

Issues documented on a September 2023 USDA inspection report:

- Four adult pigs sustained injuries while recovering from anesthesia. The animals hit metal parts inside of the recovery enclosure as they stood and attempted to move post-anesthesia. One animal had bright red lesions on his forehead; dark discolorations between his eye and ear; and red scratches on his face, body, and back. Another pig had discoloration under his left eye. A third pig had bright red scratches on his torso, while a fourth pig had red discolorations on his head.
- In kennels housing 31 male and 9 female Beagles, insulation from the ceiling had become loose and was trailing downward over the kennels, posing a risk of illness due to ingestion.
- In a kennel housing 33 male and 27 female Beagles, two opened bags of dog food were stored in an uncovered bin, which could lead to the food becoming contaminated, losing nutritive value, and attracting pests.
- Dogs were kept in kennels that exceeded 85°F for more than four hours at a time on multiple days, which can cause discomfort, lethargy, and stress.



To date, Lovelace Biomedical has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	26	0	26
Guinea pigs	0	0	220	364	584
Rabbits	0	0	214	0	214
Pigs	0	0	43	11	54
Total	0	0	503	375	878

Issue documented on a July 2023 USDA inspection report:

- A small cynomolgus macaque monkey was observed in the wrong cage. Employees captured the monkey and returned it to its primary cage.



To date, Envol Biomedical has not received any fines or penalties for the issue described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Rabbits	0	0	15	0	15
Sheep	0	20	0	0	20
Other animals	0	55	0	0	55
Total	0	75	15	0	90

Issue documented on a June 2023 USDA inspection report:

- An employee failed to disengage a headlock system holding 17 cattle after their evening feed. The cows were confined in the headlocks from about 6:30 pm until 9:15 am the next day. While in the headlock, the cows did not have access to water and were not able to rest comfortably.

Issue documented on a October 2023 USDA inspection report:

- A room housing 11 rabbits had an accumulation of rabbit fur covering various surfaces.



In August 2023 Long Island University received an Official Warning of Alleged Violation for the June 2023 incident. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	24	0	24
Cats	0	0	24	0	24
Rabbits	0	0	19	0	19
Total	0	0	67	0	67

Issue documented on a March 2023 USDA inspection report:

- Dog #12 “Venetian” was observed to be thin by inspectors. Medical records showed the dog had received an exam in early February and was prescribed treatment for diarrhea with instructions for further testing if there was no improvement. Treatment was administered, but there was no documentation indicating that further testing was performed despite the dog still having diarrhea. At time of inspection the dog was being treated for anxiety, and according to facility personnel, the dog is “very nervous while at the facility.”



To date, Medaille College has not received any fines or penalties for the issue described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Monkeys/Apes	0	0	52	0	52
Other animals	0	0	120	10	130
Total	0	0	172	10	182

Issues documented on a November 2023 USDA inspection report:

- A rhesus macaque monkey died from aspiration pneumonia during an anesthetized experiment. An investigation found that the animal had been fed the morning of the surgery contrary to protocol.
- A whistleblower report noted two procedures conducted by the lab on a rhesus macaque monkey that did not follow approved protocol. No veterinary staff were consulted for the procedures and no medical records were found.



In January 2024 New York University received an Official Warning of Alleged Violation. No fines or penalties have been issued to date.



As of August 2024, 16 states have laws in place requiring that laboratories make an effort to adopt out dogs and cats who are no longer being used in experiments.

BIGGER PICTURE

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Hamsters	0	0	97	0	97
Monkeys/Apes	0	37	40	0	77
Other animals	224	16	0	0	240
Total	224	53	137	0	414

Issues documented on a February 2023 USDA inspection report:

- An experimental protocol stated that monkeys would undergo chair training (monkey chairs are used for restraint) prior to experiments. Two monkeys underwent a "major operative procedure" without having first completed the chair training. It was noted that this deviation from protocol could lead to unnecessary discomfort, distress, or pain.
- Laboratory personnel partaking in an experiment with monkeys required additional training on surgical procedures that they had already been approved to conduct.



To date, the State University of New York has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	2	0	2
Guinea pigs	0	63	0	0	63
Rabbits	0	0	42	0	42
Pigs	0	0	48	0	48
Total	0	63	92	0	155

Issue documented on a June 2023 USDA inspection report:

- Veterinary staff identified a Guinea pig with poor body condition and fractured bones due to malnutrition. Three days later they identified another Guinea pig displaying the same signs. An investigation revealed that the Guinea pigs had not been receiving a species-specific diet, which led to a vitamin C deficiency.

Issue documented on a November 2023 USDA inspection report:

- Seven rabbits were utilized in procedures that had not been pre-approved. This means that the way the rabbits were used and the basic question of *if* they should be used was not scrutinized.



In July 2023, Stony Brook University received an Official Warning of Notice of Alleged Violation for the June 2023 incident. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	7	32	0	39
Cats	44	0	0	0	44
Guinea pigs	0	0	16	0	16
Hamsters	4	19	0	0	23
Rabbits	0	0	79	0	79
Sheep	0	55	18	0	73
Pigs	0	142	231	0	373
Other animals	0	341	236	0	577
Total	48	564	612	0	1,224

Issues documented on a December 2023 USDA inspection report:

- Investigators noted excessive amounts of feces in 12 cages housing ferrets that had undergone major surgical procedures six days prior to the inspection. This increases the risk of infection at the animals' surgical sites.
- A stallion used for artificial insemination was included in a study stating that semen could be collected once a day up to three times a week. Records showed that the horse had been used for collection twice in one day.



To date, NC State University has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	10	195	0	205
Guinea pigs	0	0	24	0	24
Rabbits	0	52	24	49	125
Monkeys/Apes	0	0	10	0	10
Pigs	0	19	51	0	70
Other animals	0	0	31	0	31
Total	0	81	335	49	465

Issue documented on a August 2023 USDA inspection report:

- A boar was found with a lower tusk caught in a chain used for enrichment. The boar was hyperthermic (overheating). When it did not respond to treatment, it was killed.



To date, UNC Chapel Hill has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Cats	0	0	17	0	17
Rabbits	0	12	71	0	83
Monkeys/Apes	0	6	873	0	879
Sheep	0	0	41	0	41
Pigs	0	0	304	0	304
Total	0	18	1,306	0	1,324

Issues documented on a January 2023 USDA inspection report:

- Nine cynomolgus monkeys received a daily medication for nine days that was intended for a different group of animals.
- Eight cynomolgus monkeys underwent anesthesia and procedures intended for different animals.
- Two cynomolgus monkeys were found to have a body score condition of 1.5/5, indicating poor, skinny body conditions. The animals had not been weighed for 6 months, allowing the health of the two monkeys to deteriorate unnoticed.
- Four cynomolgus monkeys went without water for four days. The report noted that the weekend animal care staff failed to conduct adequate daily observations, yet the logs were marked that these activities had been conducted. One monkey was dehydrated.



Issues documented on a December 2023 USDA inspection report:

- For four days, a researcher failed to report an exposed subcutaneous vascular access port in a monkey.
- A researcher gave an unapproved drug to a macaque monkey, and the animal became hypothermic (cold temperature) and lethargic. The incident was not reported to a vet.
- A macaque monkey sustained a four-centimeter-deep laceration on the chest and a superficial laceration on the head when it was improperly placed in the same enclosure with another monkey.
- Two actions taken by a researcher interfered with the veterinarian’s authority:
 - Intentionally excluding four macaque monkeys from a request by the vet staff regarding possible animal exposure to contaminated substance.
 - Instructing staff to flush the IV catheters of two monkeys prior to sampling by veterinary staff, with the apparent intent of obscuring culture results.
- Instances of unapproved blood draws on three monkeys.
- On two occasions, the unapproved use of a substance on three monkeys.



In May 2024, Wake Forest University was fined \$12,850. This fine addressed violations documented in 2021, 2023, and early 2024.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	69	0	0	69
Cats	0	4	27	0	31
Rabbits	0	0	0	376	376
Sheep	0	1	61	0	62
Other animals	65	367	483	37	952
Total	65	441	571	413	1,490

Issues documented on a February 2023 USDA inspection report:

- Three voles were left without water for 1-3 days, leading to their deaths.
- “Stallion #3” was found in a pen with an excessive accumulation of waste and feces.

Issues documented on a August 2023 USDA inspection report:

- Two bottles of expired medication were found in the controlled drug inventory.
- “Stallion #1” was noted to be lame. An animal caretaker initiated medical treatment without consulting a member of the veterinary staff for diagnosis or treatment.



To date, Oklahoma State University has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Other animals	1	208	55	0	264

Issue documented on a May 2023 USDA inspection report:

- Twenty chinchillas who were supposed to be receiving pain relief medication to treat post-procedure pain and distress did not receive medication.

Issue documented on a August 2023 USDA inspection report:

- One chinchilla used for a procedure did not receive appropriate post-recovery pain assessments to ensure the animal was not in pain or distress.



In August 2023 this facility received an Official Warning Notice of Alleged Violation related to the 20 chinchillas not receiving needed pain medication. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	0	65	0	65
Rabbits	1	0	11	0	12
Monkeys/Apes	13	0	61	0	74
Pigs	0	0	6	0	6
Total	14	0	143	0	157

Issue documented on a July 2023 USDA inspection report:

- A New Zealand White rabbit sustained a severe fracture to his left rear leg when the limb became entrapped in flooring. Due to the extent of the injury the rabbit was killed.



! In August of 2023 the university was issued an Official Warning Notice of Alleged Violation for the incident described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Monkeys/Apes	0	0	54	0	54
Sheep	0	0	65	0	65
Pigs	0	0	175	0	175
Total	0	0	294	0	294

Issue documented on a June 2023 USDA inspection report:

- A 13-year-old rhesus macaque monkey sustained a hindlimb fracture after escaping from her cage. It is suspected that the animal's leg slipped between the bars of a cage and became caught while leaping from cage to cage. The monkey suffered fractures to her left tibia and fibula and puncture wounds.

Issue documented on a December 2023 USDA inspection report:

- A female rhesus macaque monkey had full thickness burns on the backs of her upper legs. The burns were presumed to have occurred during anesthetic recovery following an experiment six days prior. During the experiment, the monkey became hypothermic and was placed on a water heating pad, wrapped in a large towel, and put under a heat lamp.



To date, Legacy Health has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	6	0	6
Guinea pigs	0	0	69	0	69
Rabbits	0	0	1	0	1
Monkeys/Apes	4,117	416	870	0	5,403
Sheep	0	0	59	0	59
Pigs	0	0	84	0	84
Other animals	0	0	70	0	70
Total	4,117	416	1,159	0	5,692

Issue documented on a July 2023 USDA inspection report:

- A two-day-old rhesus macaque sustained an untreatable spinal/shoulder injury and had to be killed. According to the facility, the baby monkey was injured when a technician was trying to transfer the baby and its mother to another cage, and the sliding door between the cages fell on the baby.



In October 2023, this facility received an Official Warning Notice of Alleged Violation for the issue described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	58	303	0	361
Cats	0	43	262	0	305
Rabbits	0	33	3	0	36
Other animals	0	5	0	0	5
Total	0	139	568	0	707

Issues documented on a May 2023 USDA inspection report:

- Three dogs were found to not have continuous access to water.
- Three bottles of expired hydrogen peroxide, all of which were in use or expected to be in use, were found in surgical prep rooms and surgery rooms.



To date, Bradford Schools LLC has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	2	3	0	5
Rabbits	0	4	4	0	8
Monkeys/Apes	0	5	80	0	85
Sheep	0	0	170	0	170
Pigs	0	2	205	0	207
Total	0	13	462	0	475

Issues documented on a May 2023 USDA inspection report:

- Five pigs were sedated with ketamine and buprenorphine during an experiment, but did not receive a fentanyl patch, which was required by the experimental protocol.
- A pig received 1mg/kg of ketamine bolus when it should have received 10-40mg/kg of ketamine bolus.



To date, the Children's Hospital of Philadelphia has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	9	0	0	9
Hamsters	0	13	0	0	13
Rabbits	69	49	158	0	276
Sheep	0	9	10	0	19
Pigs	0	0	36	0	36
Other animals	0	1,511	8	84	1,603
Total	69	1,591	212	84	1,956

Issue documented on a August 2023 USDA inspection report:

- Thirty-two rabbits were used in an experiment when an oversight committee had only approved the use of 24 rabbits.



To date, Pennsylvania State University has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Monkeys/Apes	0	0	24	0	24
Sheep	0	0	2	0	2
Pigs	0	0	18	0	18
Other animals	0	22	32	0	54
Total	0	22	76	0	98

Issue documented on a July 2023 USDA inspection report:

- Two bats died from an anesthesia overdose after staff failed to administer the appropriate amount.



In August 2023, Brown University received an Official Warning Notice of Alleged Violation for the issue described above. No fines or penalties have been issued to date.



Efforts are underway in Georgia to build the largest monkey breeding facility in the western hemisphere. The facility could hold up to 30,000 long-tailed macaque monkeys destined for use in experiments.

BIGGER PICTURE

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	16	0	0	16
Guinea pigs	0	0	120	0	120
Total	0	16	120	0	136

Issue documented on a August 2023 USDA inspection report:

- Dogs underwent a terminal anesthesia procedure (killed under anesthesia) and increased volume blood draws that were not pre-approved.

Issue documented on a November 2023 USDA inspection report:

- A vial of insulin opened August 6, 2023, instructed that any unused portion remaining 31 days after opening should be discarded. The insulin was still being given to two diabetic monkeys.



To date, Low Country Biosource Inc. has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	7	0	0	7
Cats	0	3	0	0	3
Sheep	0	30	0	0	30
Total	0	40	0	0	40

Issues documented on a February 2023 USDA inspection report:

- Inadequate bedding was provided to ewes, lambs, and donkeys in various rooms and pens. It was noted that clean and dry bedding is critical to mitigate the effects of cold, wet conditions.
- Drainage problems in indoor facilities resulted in standing water and puddles, with few to no dry areas for animals to sit or lay down. Drainage issues were also documented in the outdoor part of the facility, where urine, standing water, and mud were found in most of the exterior pen area.
- Water fountains in cattle pens had heavy amounts of ice and manure around them. Inspectors also found the interiors of two of the main water fountains to be dirty and containing debris.
- There was a strong ammonia smell and wet, soiled bedding discovered in the facility where lambs and sheep were present.

Issue documented on a May 2023 USDA inspection report:

- Corroded metal posts and broken panels with "jagged edges" were found in the main dairy barn.



In April 2023, South Dakota State University received an Official Warning Notice of Alleged Violation for not providing clean, fresh bedding to numerous animals. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	6	4	15	0	25
Hamsters	0	0	228	0	228
Rabbits	0	1	21	0	22
Sheep	5	0	10	0	15
Pigs	0	0	53	0	53
Other animals	14	1,433	129	0	1,576
Total	25	1,438	456	0	1,919

Issues documented on a June 2023 USDA inspection report:

- Twelve hamsters were given high doses of a study agent contrary to protocol, and four of them died.
- A young goat was found dead in its enclosure on a Monday. Daily observation records were incomplete, and it could not be verified that daily observations were made over the weekend. Necropsy reports indicated that the goat was "heavily parasitized," but health records did not indicate a decline in the goat's health.
- A second goat died in the trailer while being transported for observation. Necropsy indicated the goat was "heavily parasitized," but records did not indicate a decline in health.
- A pregnant mare was relocated to another pasture, and her reproductive status was not tracked due to a documentation issue. The mare's continued pregnancy was discovered later, and she delivered a healthy foal, straying from the research protocol that indicated the pregnancy should be terminated.



In August 2023, this facility received an Official Warning Notice of Alleged Violation for the issues described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Hamsters	0	8	0	87	95
Rabbits	0	72	0	0	72
Monkeys/Apes	0	4	11	0	15
Pigs	0	0	316	0	316
Total	0	84	327	87	498

Issue documented on a May 2023 USDA inspection report:

- Rabbits were housed in crates that did not meet minimum size requirements. At 12 inches tall, the crates were two inches short for the rabbits according to their weight.



To date, the University of Tennessee - Memphis has not received any fines or penalties for the issues described.

Equitech-Bio Inc., Kerrville

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Sheep	150	95	0	0	245
Other animals	710	444	0	0	1,154
Total	860	539	0	0	1,399

Issues documented on a September 2023 USDA inspection report:

- The metal fencing of an outdoor goat enclosure had wires broken off, creating sharp points accessible to the animals.
- Feed troughs for the adult goats contained brown crusty residue and bird droppings.



To date, Equitech-Bio Inc. has not received any fines or penalties for the issues described.

Fabgennix International, Inc., Frisco

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Rabbits	10	22	0	0	32

Issue documented on a July 2023 USDA inspection report:

- During inspection, at approximately 1:30 pm, the outside temperature was around 98°F, and the temperature inside the rabbit barn was 86°F with all air conditioners running. The maximum temperature for that day reached 101°F, so the maximum temperature inside the barn likely went above 86°F. Rabbits are at risk of overheating at temperatures over 85°F.



To date, Fabgennix has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	18	0	18
Pigs	0	0	9	0	9
Total	0	0	27	0	27

Issue documented on a October 2023 USDA inspection report:

- Pigs #7, 8, and 9 were used in an experiment where they should have been killed during surgery. Contrary to protocol, the three pigs recovered from surgery, were transported to a farm, sedated for ultrasounds, and then killed more than a month later. This protocol change was not pre-approved.



In November 2023, this facility received an Official Warning Notice of Alleged Violation for the issue described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	2	40	140	0	182
Cats	2	16	3	0	21
Guinea pigs	86	149	60	0	295
Hamsters	0	79	0	0	79
Rabbits	0	46	6	3	55
Monkeys/Apes	1	0	0	0	1
Sheep	0	305	148	0	453
Pigs	1	258	138	22	419
Other animals	78	345	250	10	683
Total	170	1,238	745	35	2,188

Issue documented on a August 2023 USDA inspection report:

- Coyotes attacked a goat herd. One goat died, one goat was severely injured and later euthanized, and a third goat was treated for and recovered from injuries. The goats were used by the university for teaching.



In September 2023 Texas A & M University – College Station received an Official Warning Notice of Alleged Violation for the above incident. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	17	0	17
Cats	0	0	21	0	21
Sheep	0	60	0	0	60
Other animals	397	90	12	0	499
Total	397	150	50	0	597

Issues documented on a February 2023 USDA inspection report:

- Male deer #2, named Huck, died after being handled for routine antler cutting. At the start of the procedure, Huck was facing the wrong direction and panting. Rather than releasing him, the procedure continued. Upon release Huck’s gait was noted to be wobbly. About 30 minutes later, Huck was found down with signs of possible neurological injury, and he was killed.
- Wood lining the inside of the deer chute had several rough and splintered areas that could injure animals in the chute.



In April 2023 this facility received an Official Warning Notice of Alleged Violation relating to Huck’s death. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	0	0	84	0	84
Hamsters	0	0	180	164	344
Monkeys/Apes	1,712	871	721	91	3,395
Total	1,712	871	985	255	3,823

Issue documented on a May 2023 USDA inspection report:

- A macaque monkey sustained an injury requiring the amputation of several fingers. The caretaker lost grip on the guillotine door during routine cage sanitation, causing it to fall on the monkey’s hand.

Issue documented on a November 2023 USDA inspection report:

- Researchers did not follow approved protocols when subjecting a rhesus macaque monkey to three blood draws.



In June 2023 this facility received an Official Warning Notice of Alleged Violation for the May incident. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	154	92	0	319	565
Hamsters	126	477	0	810	1,413
Rabbits	24	0	11	12	47
Monkeys/Apes	59	161	3	217	440
Sheep	45	0	164	0	209
Pigs	11	1	13	2	27
Other animals	63	8	0	11	82
Total	482	739	191	1,371	2,783

Issues documented on a July 2023 USDA inspection report:

- A cynomolgus macaque monkey was found unresponsive in its cage with its head trapped between the cage roof and a rail of the enclosure. The animal died by acute asphyxiation.
- Thirteen African green monkeys did not receive a post-procedural drug listed in the approved experimental protocol after undergoing a procedure that involved passing a tube into their lungs and circulating fluid.
- The facility received 11 Guinea pigs. After intake procedures were concluded it was discovered that one of the Guinea pigs had ended up in the autoclave inside of a bagged transport box. Autoclaves use extreme temperatures to sterilize equipment.



To date, the University of Texas has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Guinea pigs	1	7	0	0	8
Hamsters	0	70	0	0	70
Monkeys/Apes	0	54	104	4	162
Sheep	0	0	2	0	2
Pigs	2	0	113	0	115
Other animals	0	229	0	0	229
Total	3	360	219	4	586

Issue documented on a February 2023 USDA inspection report:

- A research assistant failed to properly secure a clip to a syringe containing a drug, resulting in a macaque monkey receiving the drug at an incorrect rate. The animal became unresponsive. Despite treatment the monkey never recovered and had to be killed.



To date, the University of Texas has not received any fines or penalties for the issue described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Other animals	0	35	0	0	35

Issues documented on a September 2023 USDA inspection report:

- Three adult woodrats escaped their primary enclosures by chewing through the plastic, with each of the animals escaping multiple times. A woodrat named Maddie sustained injuries to her feet while away from her enclosure.
- Eleven woodrat enclosures were patched with tape and/or plastic. It was noted that housing with weak points, holes, and rough or sharp edges should be properly repaired to protect animals from injury and further escape.



In October 2023, Weber State University received an Official Warning Notice of Alleged Violation for the issues described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Sheep	0	0	2	0	2
Pigs	0	0	10	0	10
Total	0	0	12	0	12

Issue documented on a February 2023 USDA inspection report:

- Pig #538 was observed to be unexpectedly lame after an experimental procedure and was given pain relief by staff. The lameness was never reported to a veterinarian.



To date, the University of Vermont has not received any fines or penalties for the issue described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Rabbits	6	2	8	0	16
Monkeys/Apes	7	20	26	0	53
Total	13	22	34	0	69

Issues documented on a January 2023 USDA inspection report:

- Four chinchillas were not removed from a study according to experimental protocol after experiencing more than 20% weight loss. One animal was killed after losing 27.9% body weight, one was killed after losing 30.7% body weight, one was killed after losing 25.5% body weight, and one died after losing 25.1% body weight. The experimental protocol also stated that animals would be in the study for 22 weeks. Some animals remained in the study for 21 months.
- Multiple rhesus macaque monkeys experienced severe low blood sugar and prolonged anesthesia recovery times.
 - One macaque monkey (DA9J) died after an experiment where he received intravenous insulin. He did not receive medical intervention for more than seven hours after the experiment, despite being barely responsive. He did not fully wake up from the procedure, so the decision was made to kill him.
 - Eleven other rhesus macaques underwent the same procedure and received no monitoring of their blood glucose or medical interventions from low blood sugar despite having blood glucose levels that were so low they were undetectable. These animals all took an excessive amount of time to recover from anesthesia, some more than five hours. Prior documented recovery times for these same animals ranged from 45 minutes to one hour.
 - The procedure was performed again on six of the same animals and records again showed multiple animals had blood glucose levels so low that they were not detectable for prolonged lengths of time. This led to multiple animals suffering from incredibly low blood sugar without medical intervention.
- Two rhesus macaques (HHA and AB67) were used in an experiment despite being older than the maximum age of 23 years described in the experimental protocol.
- Five animals (species was not identified) were used in an experiment despite being below the minimum weight required.
- Two monkeys (HHA and 35R) were given more than the approved amount of a sweetened beverage as part of an experiment, and the duration of time that the monkeys received the sweetened beverage was extended without approval from 3-6 months to 7.5 months.
- Six macaque monkeys underwent procedures, including sugar injections and blood draws, that were not pre-approved.

Issues documented on a May 2023 USDA inspection report:

- Multiple deviations from a pre-approved pregnancy experiment were documented. Deviation from pre-approved experiments has been noted at this facility in the past:
 - Protocol called for female Baboons to undergo blood sampling under ketamine sedation at 2-4 day intervals. Records showed that two Baboons, 17-year-old "Alissa" and 16-year-old "Jemma", underwent daily blood draws during various time periods.
 - Protocol called for monthly or weekly weigh-ins of Baboons. Records indicated that five female Baboons only had weights documented during their semi-annual physical and tuberculosis test or during surgical procedures.
- The protocol described an anticipated adverse event, seizures, in 10% of animals receiving a study drug from days 100-170 gestation. Treatment steps in the event of a seizure were documented in the protocol. Sixteen-year-old baboon "Jemma" was found unresponsive by a technician and no records indicate that treatment was provided per the protocol. By the time the attending veterinarian arrived the Baboon was eating and responsive.



To date, Eastern Virginia Medical School has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	0	63	0	63
Guinea pigs	8	0	207	0	215
Hamsters	0	24	16	0	40
Pigs	8	0	49	124	181
Other animals	1	152	44	8	205
Total	17	176	379	132	704

Issues documented on a January 2023 USDA inspection report:

- Facility personnel did not place an IV catheter in a baby cow within two days of administering an infectious agent, per protocol. The calf became ill six days after being given the infectious agent and died shortly thereafter.
- A staff member injured a gerbil during a blood draw procedure by restraining it too tightly. The gerbil was placed in a restraint device and the staff member used additional manual restraint, which was unnecessary. The gerbil became nonresponsive in the restraint device and was ultimately killed.
- An experiment that included exposing piglets to low oxygen conditions stated that weight would be monitored, and blood draws would be performed. The lead researcher confirmed that blood draws and body weight were not collected at the approved intervals. Also, the piglets were housed in oxygen deprived chambers that had not been pre-approved.
- Some dogs received unnecessary duplicate vaccinations despite documentation that they had recently received the same injections.

Issue documented on a April 2023 USDA inspection report:

- Many feces were seen along the back wall of the horse hay storage building, potentially contaminating the food. The feces looked to be from a wild mammal. The facility occasionally traps wild animals, but it was noted that “due to the quantity of feces observed, the current pest control program is ineffective.”

Issue documented on a July 2023 USDA inspection report:

- Inadequate staff training for health monitoring led to three gerbils dying and two gerbils becoming ill and requiring care.



In March 2024, Virginia Polytechnic Institute & State University was fined \$18,950 in connection with the piglet experiments, calf death, and inadequate staff training in the gerbil deaths. The fine also addressed problems documented by the USDA in 2021 and 2022.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Monkeys/Apes	639	2,206	682	0	3,527

Issue documented on a September 2023 USDA inspection report:

- An employee was observed tossing a sedated male Cynomolgus monkey in the air and then catching him in her arms. On one toss the animal was not caught and fell to the floor. Abrasions were noted on the animal's chin after the incident.



In January 2024, Altasciences received a civil penalty of \$5,000 to resolve this violation and a number of violations from 2021.



In FY 2023, 73,368 pigs were reportedly housed and used for experiments. Of those, 1,671 were subjected to experiments that caused pain or distress, but they were not given any pain relief.

BIGGER PICTURE

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Rabbits	0	0	4	0	4
Sheep	0	5	0	0	5
Pigs	0	3	3	0	6
Other animals	80	57	189	1	327
Total	80	65	196	1	342

Issue documented on a June 2023 USDA inspection report:

- A one-year-old fruit bat was found dead in a water pan. Due to icy conditions, staff were unable to access the campus to care for the animals the day before and, when they could gain access, they found that the food containers in both animal rooms had run out.



In August 2023, this facility received an Official Warning Notice of Alleged Violation regarding the event described above. No fines or penalties have been issued to date.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	3	42	16	0	61
Hamsters	18	0	0	0	18
Rabbits	2	22	148	0	172
Monkeys/Apes	607	195	270	0	1,072
Pigs	0	0	121	0	121
Other animals	8	105	38	20	171
Total	638	364	593	20	1,615

Issue documented on a March 2023 USDA inspection report:

- A facility housing seven pig-tailed macaque monkeys reached a temperature exceeding 85°F for more than four consecutive hours. Environmental monitoring records show the temperature to be between 85°F and 88.2°F between July 14 and July 18, 2022, for five time periods lasting between 4-9.5 consecutive hours.

Issues documented on a September 2023 USDA inspection report:

- While under anesthesia, a male rhesus macaque monkey experienced poor oxygenation and a rapid, irregular heartbeat. A technician brought in a portable anesthesia machine, and when the monkey was attached to the machine it stopped breathing and went into cardiac arrest. It was found that the portable machine did not work properly.
- A researcher-in-training damaged the cerebral tissue of a macaque monkey while implanting a recording device. The animal exhibited noticeable neurological impairment within minutes and the procedure was terminated and treatment was initiated.
- Eighteen ground squirrels had a temperature sensor implanted in their abdomens, and six of the 18 squirrels developed complications.
- A pigtail macaque monkey underwent a second surgical procedure to replace a telemetry implant when only one replacement surgery was approved.
- A daily ration of water was not administered to a rhesus macaque monkey.



To date, the University of Washington has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	6	3	0	9
Cats	27	54	7	0	88
Hamsters	157	164	262	1,041	1,624
Rabbits	13	6	166	0	185
Monkeys/Apes	652	591	453	0	1,696
Sheep	0	0	6	0	6
Pigs	0	6	602	0	608
Other animals	178	468	159	171	976
Total	1,027	1,295	1,658	1,212	5,192

Issue documented on a November 2023 USDA inspection report:

- A fully anesthetized pig undergoing research-related surgery was given medication to correct an increased heart rate. The dose of medication given was higher than it should have been, and the pig’s heartrate dropped too much and became unstable. The pig had to be killed.



To date, the University of Wisconsin - Madison has not received any fines or penalties for the issue described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	3,006	658	118	0	3,782

Issue documented on a December 2023 USDA inspection report:

- Some weaned and pre-weaned puppies in 11 enclosures were observed to have their feet and legs falling through the mesh floors of the enclosures.



To date, Ridglan Farms has not received any fines or penalties for the issues described.

Number of animals reported in 2023 annual report

Species	Pain Category				Total
	B	C	D	E	
Dogs	0	1,577	1,181	0	2,758
Guinea pigs	9	20	453	0	482
Hamsters	0	85	251	0	336
Rabbits	329	6,739	1,559	0	8,627
Monkeys/Apes	57	4,429	1,676	0	6,162
Sheep	22	55	80	0	157
Pigs	16	139	373	0	528
Other animals	12	40	247	0	299
Total	445	13,084	5,820	0	19,349

Issues documented on a March 2023 USDA inspection report:

- A macaque monkey was identified as lethargic and dehydrated. The veterinarian was notified, but the macaque had to be killed. It was determined that prior incidences of the monkey having loose and watery feces were not communicated to the attending veterinarian per protocol.
- The inspector noted a macaque monkey with a tight collar. Abrasions were treated.
- A supervisor identified a technician who reused a syringe filled with saline on multiple macaques. The research protocol called for new needles and syringes to be used on each animal.



In September 2023, this facility was fined \$9,000 to address the issue with the dehydrated monkey, as well as violations found in 2019, 2021, and 2022.



NAVS