

Brock University Animal-Based Science Statistics

2019 summary

In 2019, a total of 1,259 animals were involved in 36 research and teaching protocols that were reviewed and approved by the Brock University Animal Care Committee (ACC).

Brock University ACC is mandated to safeguard the welfare of animals involved in research and teaching and reports to the Vice-President, Research. The committee is also responsible for ensuring that all animal researchers follow the mandatory guidelines set forth by the Canadian Council on Animal Care (CCAC), a national body responsible for setting, maintaining and overseeing the implementation of high standards for animal ethics and care in science throughout Canada.

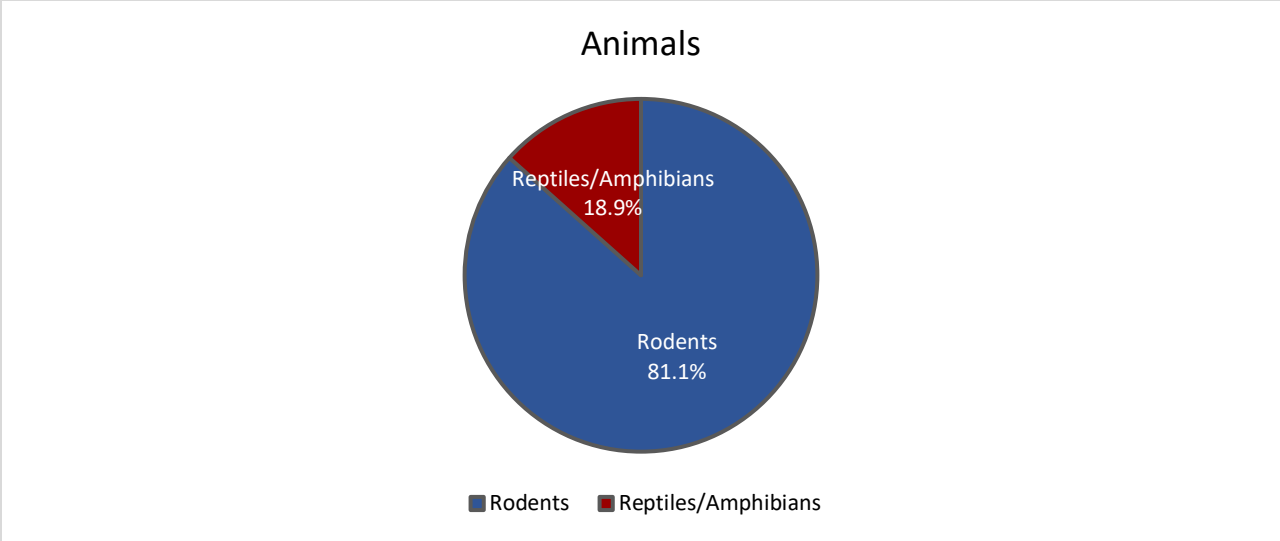
The ACC members consist of two veterinarians, two community representatives, a representative from each faculty involved with animal research, a representative from a department that is not involved with animal research, student representatives and animal care services staff. There were nine ACC meetings along with ongoing communications with the committee throughout the 2019 year.

In order for research projects to receive funding from granting agencies, such as the Tri-Agency in Canada (NSERC/CIHR/SSHRC) they are reviewed in a competitive environment by a panel of experts to determine the scientific merit of the proposed project and its methodology.

Once submitted, protocols will go through revisions and refinements to meet the satisfaction and approval of the ACC. Each approved protocol is subject to an annual review by the ACC as well as routine reviews through the post approval monitoring program. There are multiple levels of monitoring and all research must comply and adhere to regulations enforced by the CCAC and Ontario Ministry of Agriculture and Rural Affairs (OMAFRA). All procedures and facilities at Brock involving animal-based science are rigorously reviewed, inspected and regulated at federal, provincial and institutional levels by these qualified specialists.

2019 DATA

| Animal Type | Number Used | Percent % |
|---------------------|--------------|------------|
| Rodents | 1021 | 81.1 |
| Reptiles/Amphibians | 238 | 18.9 |
| Total | 1,259 | 100 |



Animals Involved in Research:

The Canadian Council on Animal Care (CCAC) divides animal research into five Categories of Invasiveness (A to E).

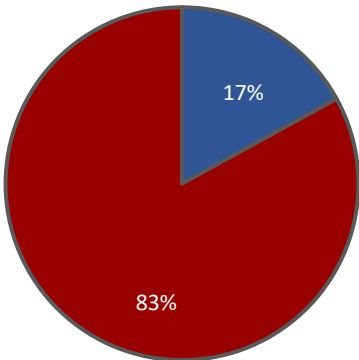
https://www.ccac.ca/Documents/Standards/Policies/Categories_of_invasiveness.pdf

Category A includes most experiments involving tissue cultures, eggs and single-cell organisms, and does not require annual reporting.

One hundred percent of animals involved in research at Brock in 2019 were categorized under Category B and C, in which invasiveness ranged from little discomfort and stress, to minor stress and pain. This could include observation in the wild, brief periods of restraint, taking blood samples and minor surgical procedures under anesthesia. There was no research under Category D Invasiveness, which involves major surgical procedures under general anesthesia with use of appropriate analgesia.

| Category of Invasiveness | Number of protocols | Percentage |
|--------------------------|---------------------|-------------|
| B | 6 | 17% |
| C | 30 | 83% |
| D | 0 | 0% |
| Total | 36 | 100% |

Category of Invasiveness



■ B ■ C ■ D