

Animal Statistics for 2022

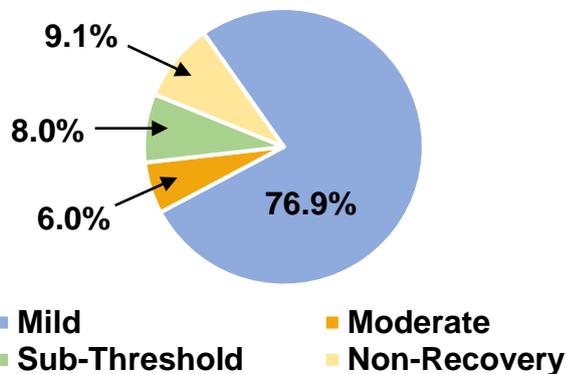
Animal Usage by Species 2017 – 2022

| Species | Number of Procedures | | | | | |
|--------------|----------------------|--------------|--------------|--------------|--------------|-------------|
| | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| <i>Mice</i> | 7622 | 9226 | 5375 | 2908 | 3938 | 2352 |
| <i>Rats</i> | 139 | 251 | 100 | 269 | 521 | 454 |
| <i>Fish</i> | 4598 | 3029 | 7748 | 2174 | 4787 | 4004 |
| TOTAL | 12359 | 12506 | 13223 | 5351* | 9246* | 6810 |

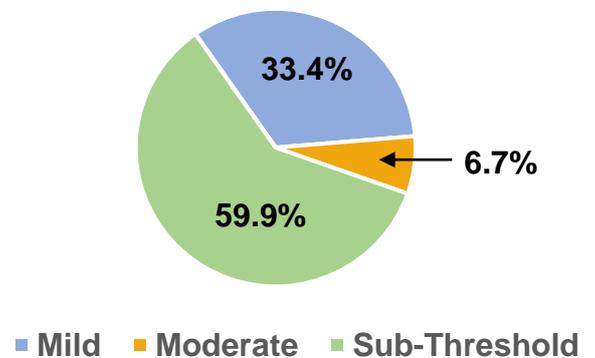
*Animal research was suspended for several months in 2020 due to a UK lockdown during the SARS-Cov-2 pandemic; these continued throughout 2021 and, particularly for rodents, the full economic effect was apparent in 2022.

Severity Scores for 2022

Mammals 2022



Fish 2022



Actual Severity Scores by Species – 2022

| Species | | Sub-threshold | Non-recovery | Mild | Moderate | Severe | Totals |
|--|--------|---------------|--------------|--------------|-------------|----------|-------------|
| Mouse | Non-GA | 0 | 112 | 647 | 60 | 0 | 819 |
| | GA | 222 | 16 | 1185 | 110 | 0 | 1533 |
| Rat | Non-GM | 0 | 129 | 325 | 0 | 0 | 454 |
| Total Number Mammals | | 222 | 257 | 2157 | 170 | 0 | 2806 |
| Mammals only % of Total Mammals | | 8.0% | 9.1% | 76.9% | 6.0% | | |
| Zebrafish | GM | 2371 | 0 | 1340 | 249 | 0 | 3960 |
| Medaka (fish) | GM | 26 | 0 | 0 | 18 | 0 | 44 |
| Total Number Fish* | | 2397 | 0 | 1340 | 267 | 0 | 4004 |
| Fish (% of Total Fish) | | 59.9% | 0% | 33.4% | 6.7% | | |
| Totals (All Species) | | 2619 | 257 | 3497 | 437 | 0 | 6810 |
| % of Total (All Species) | | 38.4% | 3.8% | 51.4% | 6.4% | 0 | |

* In 2022, all fish used in scientific procedures were genetically modified.