Severity classification in Provet

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• The statistics data can be edited by…

  • the licence holder
  • the project-responsible person of the sub-project / internal licence
  • the principal researcher
  • the payer

• The data can be sent to the use report by the project-responsible person only.

• The statistics data must be compiled and sent at the latest by the end of February!
Go to Reports
Compilation of statistics
Search the animals – usually write the licence number or use ”Select licence”. Use other search conditions as needed.
In the animal list, check the data in the drop-down menus and correct if needed. Choose the actual severity for each animal.

Compilation of statistics

<table>
<thead>
<tr>
<th>Time of removal</th>
<th>License number</th>
<th>Primary researcher</th>
<th>Type of license</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>46/2015</td>
<td>Ei valittu</td>
<td>Not selected</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ID</th>
<th>Species</th>
<th>Stock/strain</th>
<th>Unweaned</th>
<th>Use</th>
<th>GS</th>
<th>NewGL</th>
<th>OldGL</th>
<th>The actual severity</th>
<th>Statistics</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not selected</td>
<td>Choose species</td>
<td>Not selected</td>
<td>Not selected</td>
<td>Not selected</td>
<td>Not selected</td>
<td>Not selected</td>
<td>Not selected</td>
<td>Not selected</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ID</th>
<th>Species (Stock/Strain)</th>
<th>License</th>
<th>Research ID and further details of removal</th>
<th>Removal</th>
<th>Statistic Use</th>
<th>Re-Use</th>
<th>GS</th>
<th>NewGL</th>
<th>OldGL</th>
<th>SV</th>
<th>SV Anticip</th>
<th>SV Actual</th>
<th>COMPLETED / SENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DK1-1417-sentinel</td>
<td>Mouse CD 1</td>
<td>46/2015</td>
<td>2018.12.25</td>
<td>Killed after th.</td>
<td>Unfinished</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>SENT</td>
</tr>
<tr>
<td>DK1-1418-sentinel</td>
<td>Mouse CD 1</td>
<td>46/2015</td>
<td>2018.12.25</td>
<td>Killed after th.</td>
<td>Unfinished</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>SENT</td>
</tr>
<tr>
<td>DK1-1419-sentinel</td>
<td>Mouse CD 1</td>
<td>46/2015</td>
<td>2018.12.25</td>
<td>Killed after th.</td>
<td>Unfinished</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>SENT</td>
</tr>
</tbody>
</table>

30.10.2018 Sakari Laaksonen
After checking all the data and the actual severity, tick the left box in the completed/sent - column and click "Save" at the bottom left.
Completed but not yet sent

The scene now looks like this:

Click ”Send the completed data to the use report”.

| ID | Species | License (Stock/Strain) | Research ID and further details of removal | Removal | StatisticalUse | Re-Use | GS | NewGL | OldGL | SV Anticipated | SV Actual | COMPLETED / SENT |
|----|---------|------------------------|--------------------------------------------|---------|----------------|--------|----|-------|-------|--------|----------|-----------|-----------------|
| Unweaned | Rat Gain t2 | 40/2015 | 2.9.2018
Killed unused/... | 3.9.2018 | ri | N | N | GS1 | N | N | NB | SENT |
| CD1-415-sentin | Mouse CD | | 14.8.2018 | | | | | | | | | |
Confirm you want to send the data – click OK.

Are you sure that you want to lock the completed data and send it to the use report? After sending, the group members cannot process the data anymore. Note that you can only send data of animals that are under a licence in which you are the project-responsible person.

The completed/sent –square turns green and the sent-box on the right is ticked. You are now ready!
• The default data in the animal list are based on the information in the licence and animal card.

• There may be animals in the licence with differing specifications for the statistics report. Default data are not always correct!
Use

• (N) No procedures requiring a project licence have been done; no pain / suffering.

• (Y) A procedure requiring a project licence has been done to the animal.
  • Pain/suffering at least comparable to the introduction of a needle

• (NB) The animal is not entered in statistics in Laboratory Animal Centre (KEKS).
  • e.g. if the animal was removed by sending it to another university.

• The default for project licences is (Y), but that is not always correct for all animals.

• The default for internal licences is (N).
Re-use

• (N) The animal was not re-used.

• (Y) The animal was re-used.

  • Re-use means that the animal was used in more than one experiment – has to be specified in the licence.

  • The researcher enters in the statistics report only the data of the last project the animal was in.
The individual gene-modification status of the animal

- (GS1) Not gene-modified
- (GS2) GM without a harmful phenotype
- (GS3) GM with a harmful phenotype
- (GS2/GS3) GM, but the phenotype of the line is not yet characterized.

The default may not always be correct, e.g. if homozygotes have a harmful phenotype but heterozygotes do not.
NewGL

• (N) The animal was not used in creating a new GM line.
• (Y) The animal was used in creating a new GM line.

• Completely new GM lines through laboratory methods and embryo transfer are created under a specific project licence of Biocenter in Oulu.
• New GM lines can also be obtained through cross-breeding.
• Producing individual animals for experimental procedures through cross-breeding does not count as a creation of a new GM line.
OldGL

• (N) The animal was not used for maintaining an established GM line.

• (Y) The animal was used for maintaining an established GM line – not used in experimental procedures.

• The default may be incorrect, if the project licence includes both experimental procedures and maintenance of animal line(s) with a harmful phenotype.
SV anticipated

• This is the advance estimation of the severity of the sub-project procedure by the licence board.

• If there are alternative procedures and different severities for individual animals in the sub-project, this is the most severe of the alternatives.
SV actual

• This is the actual, realized severity for an individual animal.

• The default is the same as the anticipated severity. Often it is correct if no complications occur in the experiment.

• However, the estimation of severity in advance is not always easy, and the licence board doesn’t always get it right!

• Sometimes there is a lot of variation between individual animals in their response to the procedures.
The actual severity

- (SV1) Non-recovery
- (SV2) Mild (or less)
- (SV3) Moderate
- (SV4) Severe
- (NB) No need to classify (no harm/pain caused to the animal; internal licences)

According to the EU statistics guidelines, all animals used under a project licence are classified as at least mild, even if no harm was actually caused to the animal.
Individual severity: Hundreds of mice – how can I remember them all?!

- Compile the statistics as soon as possible after removing the animals!

- **Tip 1**: Look at the ”Removal” column. Note if the category of removal is:
  - Killed due to a welfare problem caused by an experimental procedure / genetic modification
  - Died as a result of an experimental procedure / genetic modification
Individual actual severity

• **Tip 2:** Look at the ”Research ID and further details of removal” column.

  • ”HVO” = hyvinvointiongelma = welfare problem
Individual actual severity

• **Tip 3**: Open the animal card by clicking on the animal ID

• ”Welfare problems”

• ”Actions by researcher”: Here you can write down the procedures and the detected severities during the experiment directly linking to the actual severity-column in the statistics tool.

• ”Notes”: Here you can write notes of anything noteworthy about the animal during the experiment.