

## Attitudes to Pain in mice

A 2022 survey

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**Pain in Mice working group**

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### Why this survey ?

## Is personnel adequately trained in pain alleviation?

Effective pain management often relies on use of analgesics ..... by *non-specialised personnel*.

- Careful selection and administration plan
- Evaluation of efficacy
- ...

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### Are analgesics provided when required?

Reviews of publications suggest a relative underuse of analgesics

- Lack of information
- Interactions/confounding effects
- Lack to recognise pain, and therefore treat it.

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### Why this survey ?

## Updated?

New methods of pain assessment and pain control have been developed

...but may not be widely adopted.

- J Am Assoc Lab Anim Sci 2021; 60: 64-71
- Front Vet Sci 2022; 9: 893005
- Sci Rep 2020; 10: 17295
- Lab Anim 2015; 49: 177-187
- J Am Assoc Lab Anim Sci 2014; 53: 193-197
- J Am Assoc Lab Anim Sci 2012; 51: 815-819
- J Am Assoc Lab Anim Sci 2011; 50: 198-204

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### How is analgesia provided to mice in 2022 ?

**Aim:** to assess current practice during and after painful procedures in mice.

- Target: personnel working with mice models.
- Method: Online, anonymous, questionnaire survey

qualtrics<sup>XM</sup>

- April-August 2022
- Pilot tested by biotechnicians, researchers, veterinarians and AWB.
- Sent via FELASA to its member associations, and ESLAV, ECLAM, IAT.
- Four sections with 53 questions:

Demographics

Surgical models

Non-Surgical models

Pain assessment / Resources - advice

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## Responses

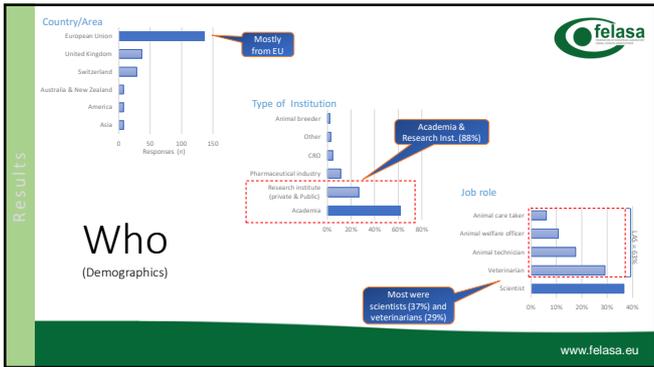
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graph TD
    A[Responses n=442] --> B[Incomplete responses n=200]
    A --> C[Complete responses n=242]
    C --> D[L&S personnel n=122]
    C --> E[Scientists n=74]
    C --> F[Unknown professional status n=26]
    D --> G[Clinician n=6]
    D --> H[Technician n=24]
    D --> I[Welfare officer n=23]
    D --> J[Veterinarian n=29]
    
```

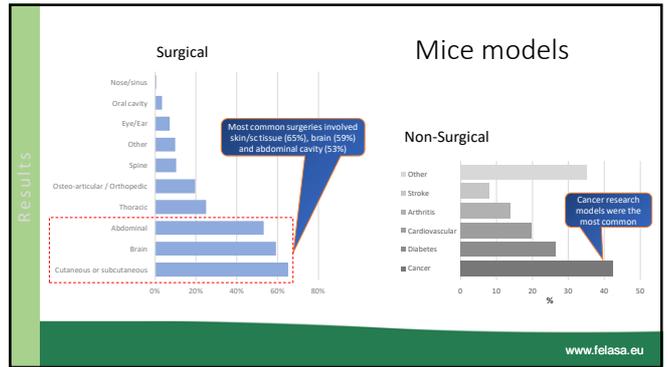
Flow diagram of respondent identification and inclusion into final analysis.  
L&S, Laboratory Animal Science personnel

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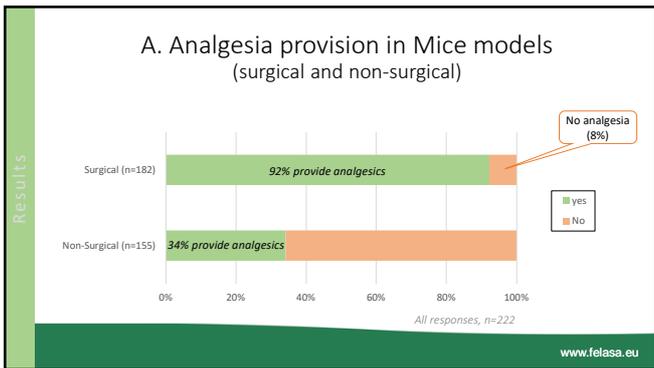
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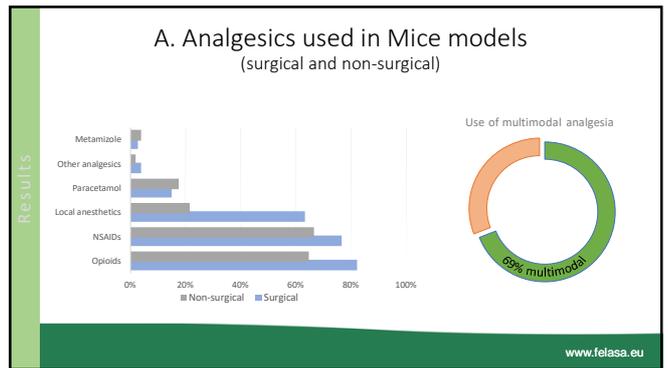
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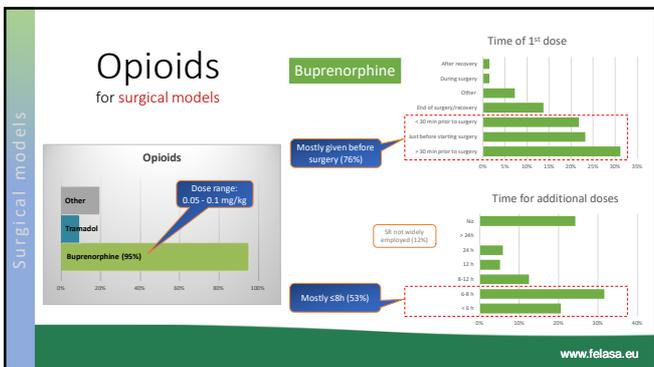
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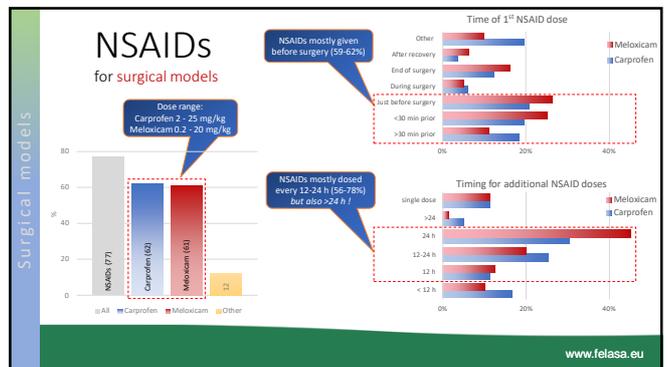
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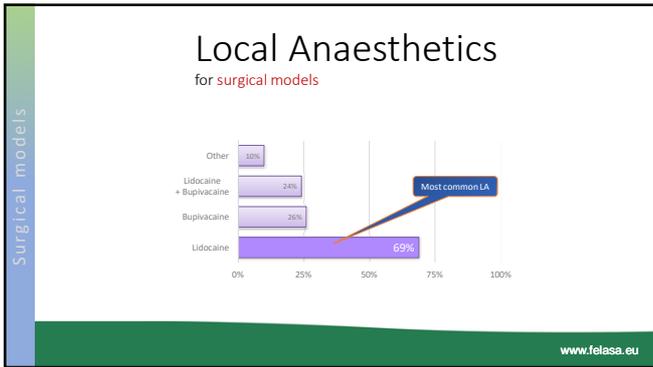
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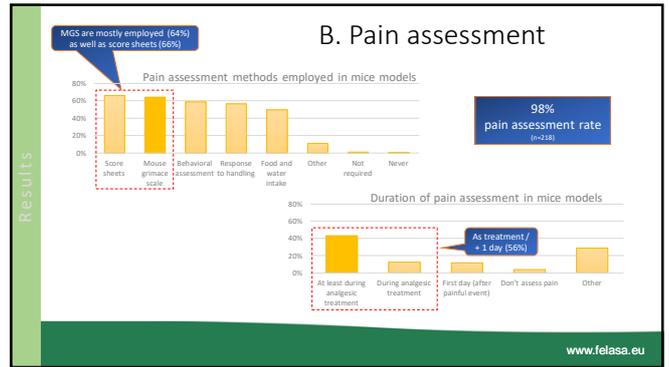
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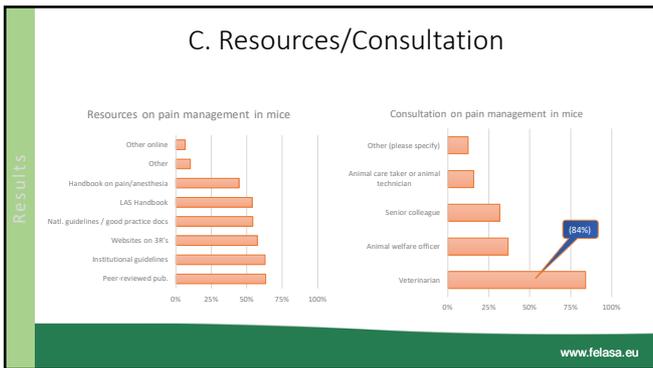
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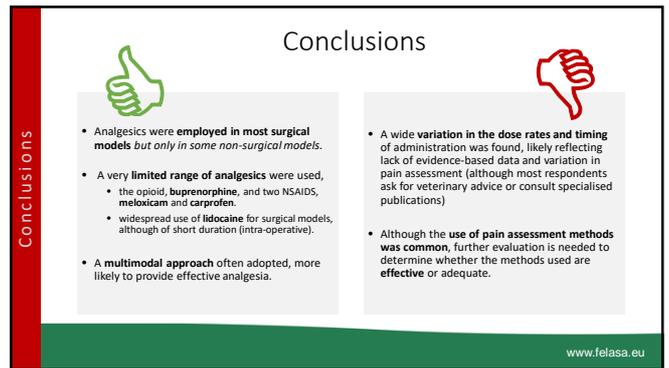
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