WORKING GROUP:
COMPLIANCE UNIT STANDARD
PROCEDURE (CUSP) SHARING SITE

Working Group Meeting
January 8, 2018
Agenda:

- Team Updates
- Discussion Topics
- Goals for February Meeting
Team Updates

1. Data Storage & Maintenance
   - No updates this month

2. Data Import & Export

3. Data Organization
Suggested Procedure Types

- Behavioral Studies or Testing
- Blood or Tissue Collection
- Compound, Agent or Biologic Administration
- Diet Modification
- Euthanasia
- Identification and Genotyping
- Imaging and Recording
- Induction and Monitoring of Illness
- Irradiation
- Surgery
- Capture and Trapping
SURVEY-DATA INPUT/OUTPUT

Given that we plan to start with a set of general procedure types, how much do we want to have sub-divisions of each procedure category?

**Blood Collection**
- Multiple timepoints vs terminal bleeds
- Require anesthesia vs no anesthesia
  - Retro orbital
  - Tail vein
  - Chin bleed
  - Jugular vein
  - Cardiac puncture

**Behavioral Testing**
- Divide tests by function: cognitive, motor, pain, vision, hearing, etc.
  - Rotarod
  - T-maze
  - Barnes maze
  - Open field
  - Von Frey test
**Survey Question 1:** Do you prefer this (one or two pick-lists first)....or a list of the Top 20 Procedures within each Procedure Type?

**PROCEDURE TYPE**

- Blood collection

**Picklist 1 (Sampling type):**
- Single or multiple samples
- Repeat sampling with catheter
- Terminal sampling

**PROCEDURE**

- Tail vein
- Chin bleed
- Retro orbital
- Jugular vein
- Cardiac puncture

**Note:** All PROCEDURE TYPES will be associated with a particular species, so the Picklist choices will be specific to that species.
Picklist 1: Functional area:
- Cognitive tests
- Anxiety/depression
- Motor behavior
- Pain and nociception
- Vision
- Hearing

Picklist 2: Motivation:
- Without shock
- With shock
- Without food/water deprivation
- With food/water deprivation

Procedure Types:
- Morris Water Maze
- Barnes Maze
- T-Maze
- Rotarod
- Gait Analysis
- Open Field
- Pellet Reaching
- Montoya Staircase Test

Note: If we wanted to list the Top 20 procedures for more complex areas, Procedure Types could be more granular such as Behavioral Testing-Cognition, Behavioral Testing-Anxiety, etc.
Advantages/Disadvantages of Picklists vs Top 20

Advantages of picklists/disadvantages of Top 20:

1. Easier to find the exact procedure you seek more quickly using multiple picklists due to organization.
2. Procedure name is pre-defined so there won’t be multiple entries for the same procedure with slightly differing names (e.g., T-maze with food deprivation, no shock).
3. If there is a Top 20, there will be many in the “Other” category.

Disadvantages of picklists/advantages of Top 20:

1. Top 20 will simplify the lists of procedures and consolidate the database to those most often used.
2. Data input via bulk upload is probably less complex.
Survey Question 2: For the pilot project, should we

a) start small with a mixture of manually entered data and a few procedures uploaded from several electronic databases to see the scope of the project BEFORE proceeding with the full scope of the data input? That might help with determining the picklists....

OR

b) move things along by making our best guesses as to the likely categories for the picklists or pick the top 20 procedures for each category based on articles in the literature and team input?

THESE CONSIDERATIONS ARE IMPORTANT BECAUSE IT’S BEST TO DETERMINE THE MOST COMPLEX SCENARIO UPFRONT AND BUILD OUT THE SYSTEM BASED ON THAT THAN TO ADD ON LATER.

Note that each species or species type (e.g., rodents, ruminants, fish, etc.) should have picklists or a top 20 list that are particular to their needs for each procedure type. This complicates the process. Recommend that there are sub-committees with species-specific expertise that tackle this for each species or species type, with input from the data organization team.
Team Updates

1. Data Storage & Maintenance
2. Data Import & Export
3. Data Organization
Organization of Species

- Amphibians
- Bats
- Birds
- Carnivores
- Fish
- Insectivores
- Lagomorphs
- Livestock
- Marsupial
- Primates
- Reptiles
- Rodents
Organization of Procedure Types

- Behavioral Studies or Testing
- Blood or Tissue Collection
- Compound, Agent or Biologic Administration
- Diet Modification
- Euthanasia
- Identification and Genotyping
- Imaging and Recording
- Induction and Monitoring of Illness
- Irradiation
- Surgery
- Capture and Trapping
<table>
<thead>
<tr>
<th>Sub-threshold</th>
<th>Non-recovery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mild</td>
<td>Reducing suffering</td>
</tr>
<tr>
<td>Moderate</td>
<td></td>
</tr>
<tr>
<td>Severe</td>
<td></td>
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</tbody>
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Discussion Topic: Identifying Contributing Institution

Questions: Do institutions want to be identified at the procedure level? Site level? Not at all?

Proposal: The name of the contributing institution would be part of the metadata that is collected when a procedure is submitted, however, institutions could decide if this information is displayed to all users.

If the institution chooses not to have their name displayed, the phrase “Institution Not Identified” would display in the field instead.
Discussion Topic: Managing Site Access (Follow Up)

CUSP Working Group

Institutional Representatives

Community Members/Individuals

**Question:** Should there be a requirement that each individual have their own account?

Alternate approaches proposed:

(A) An institution has a single account that all users at that institution use to access the site.

(B) Allow both options; institutions can determine how they want to manage access locally.
**Goals for February Meeting**

- **Aubrey/UW:**
- **Data Organization Team:**
- **Data Import & Export Team:** Send survey to working group and collect data to share at next meeting.
- **Data Storage Team:** Update business process maps based on feedback from December meeting/Trello board.

**Proposed Agenda Topics for February:**
- Email Aubrey (aubreys@uw.edu) if you’d like to add a topic to the agenda.
**Save the Date**

- System requirements – working group members only – January 8, 3:50 - 5:00pm, Congressional C/D

- PRIM&R IACUC Conference (March 19-21) – Session E4, March 21, 1:45 – 3:00pm
  - Interest in working group session at PRIM&R?

**Next Meeting:**
February 8, 2018 at 12:00 pm PST