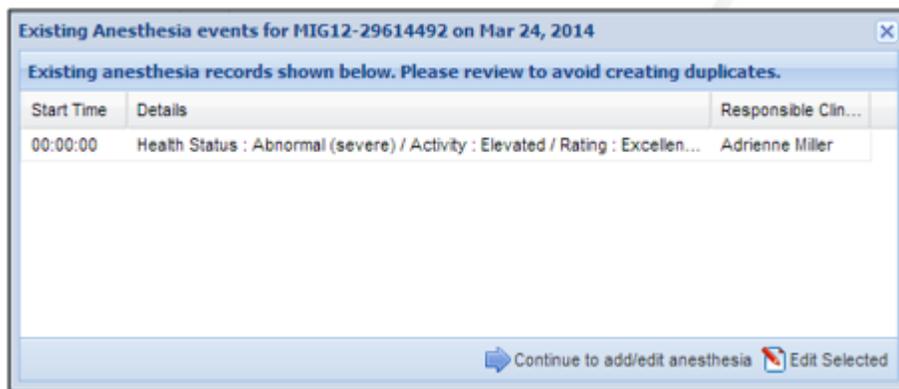


Anesthesia

Recording anesthesia event and tracking outcomes

[Contact Species360 Support](#)

You can navigate to a new Anesthesia Record by Start>Medical>Medical Records then either selecting New>Anesthesia on the dashboard or the hot keys Shift+A.



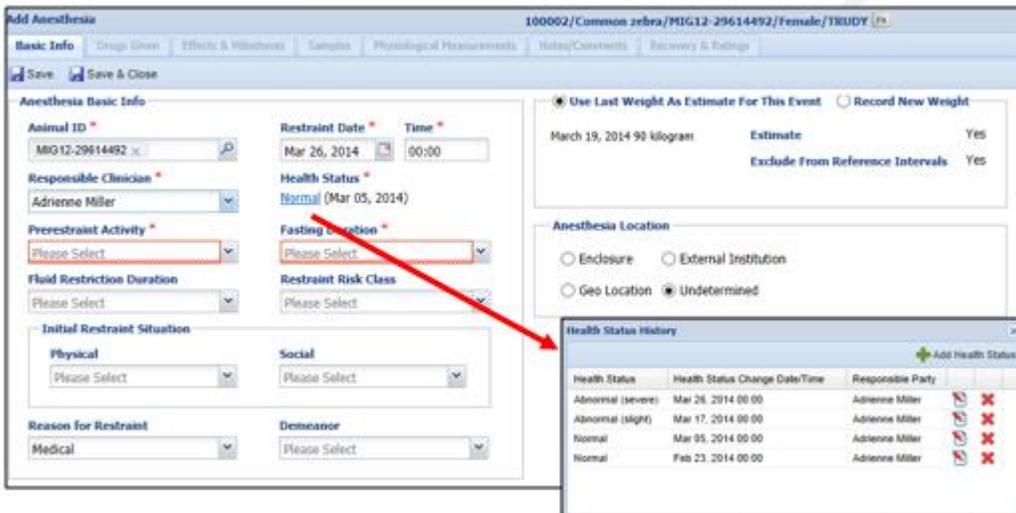
Note that if you have an existing anesthesia record on an animal on the same date of the event you try to record, the above prompt will appear to help prevent duplicate entries.

Basic Information tab

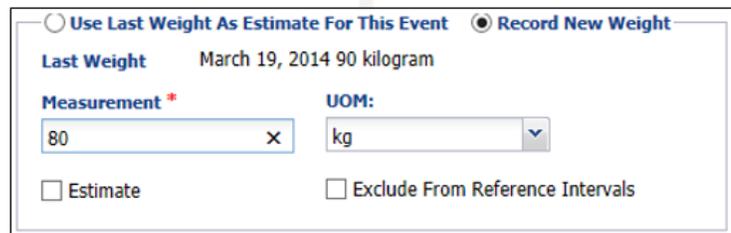
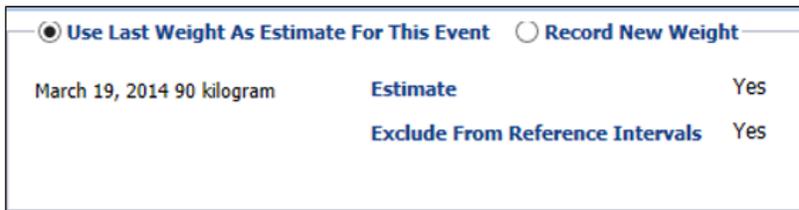
It is the mission of Species360 to facilitate international collaboration in the collection and sharing of information on animals and their environments for zoos, aquariums and related organizations.

There are seven tabs in the Anesthesia module. You must complete and Save the first tab (Basic Info) before the others become available for entry. As always, mandatory fields are designated by an asterisk.

The Health Status is a hyperlink that will allow you to view/add/edit/remove the health status history of the patient.



If a weight has previously been recorded, it will default to the last weight. You can toggle the selection to record new weight if you'd like, and it will be selected by default if no weight is recorded historically. Be careful to check/uncheck estimate/exclude from reference intervals as appropriate. Weights entered from this screen will appear in the Husbandry weight grid but will not be editable from that table. In the rare event that multiple weights are recorded during the anesthesia event only one will display in the husbandry weight grid.



It is the mission of Species360 to facilitate international collaboration in the collection and sharing of information on animals and their environments for zoos, aquariums and related organizations.

There are three options for recording anesthesia location - Enclosure (which will link to your enclosure detail page); external institution (this is populated from the institution list so please be sure to add local institutions if necessary); Geo location (best for in the field with available GPS data). If you don't know where the event occurred or it started in one location and moved to another, undetermined is your best bet.

Once you Save this screen the additional tabs become activated.

Drugs Given tab

The screenshot shows a web form titled "Add New Drug Information". It contains several input fields and dropdown menus. The "Drug Given" field is a type-ahead search with "ETORPHINE HYDROCHLORIDE" entered. The "Amount" field contains "0.84" and the "UOH" (Unit of Measure) dropdown is set to "mg". The "Dose Type" dropdown is "Immobilizing/anesthetic dose" and "Success of Administration" is "90%". The "Delivery Route" dropdown is open, showing a list of options including "Injection", "Oral (p.o.)", "Implantation", "Infusion", and various "Injection, intraarterial", "intraocular", "intracardiac", "intramuscular", and "intravenous" options. The "Delivery Method" dropdown is set to "Handsyringe". There are also fields for "End Time" and "Duration of Drugs". At the bottom, there are buttons for "Done", "Done & Repeat", and "Cancel".

Under the drugs given tab, you will find that the only mandatory fields are the drug, amount, UOM, and administration time/s.

Most of these fields are global data standards and the choices for Delivery Route is driven by the choice of drug. The Drug Given is a type ahead lookup field, or you can search for it using the magnifying glass.

It is the mission of Species360 to facilitate international collaboration in the collection and sharing of information on animals and their environments for zoos, aquariums and related organizations.

The bottle ID and Lot Number is sourced from your drug inventory and not mandatory. You can add a new bottle ID via the hyperlink.

If you need to add more than one drug associated with the drug event, you can select "Done and Repeat". Some of the information will prefill from the last drug entered, but all fields are editable.

Drugs Given	Dose	Dosage	Time Given	Elapsed Time	Duration	Route/Method	Bottle	
ETORPHINE HYDROCHLORIDE	0.84 mg	--	14:00	0 min		Injection	EH1	Copy Edit Delete
MEDETOMIDINE	8.4 mg	--	14:00	0 min		Injection		Copy Edit Delete

Drug: ETORPHINE HYDROCHLORIDE

Dose Type: Immobilizing/anesthetic dose Dose: 0.84 mg
 Give: 14:00 (Mar 25, 2014) Completed: 14:00 (Mar 25, 2014)
 Route: Injection Delivery: Handyrings
 Success: 90% Bottle ID: EH1
 Lot Number: 12345 Drug Form: Liquid>Suspension
 Drug Conc.: 0.84 mg

Once saved, the Drug Information will display in a grid. From here you can Copy, Edit or Delete the entry. You can add new drugs via the shortcut Alt+A.

When you hovering over the balloon it will show additional details on the drug.

Below the Drug Information grid is a grid to add any additional drugs given during the Anesthesia that were NOT anesthesia drugs. This is a Quick Prescription option only – a one and done – such as a vaccination or deworming treatment.

The screenshot shows the 'Edit Anesthesia' form with tabs for 'Basic Info', 'Drugs Given', 'Effects & Milestones', 'Samples', and 'Physiological M'. Below the 'Drugs Given' tab, there is a 'Drug Information' section with a table with columns 'Drugs Given', 'Dose', and 'Dosage'. Below this is a section titled 'Additional & Non-anesthesia Drugs' which contains a '+ New Quick Prescription' button. A red box highlights this button. Below this section is a table with columns 'Date' and 'Details'.

Effects and Milestones tab

The screenshot shows the 'Add New Milestone/Depth' dialog box. It has fields for 'Observation Date' (Mar 25, 2014) and 'Observation Time' (14:00). Below these is a note: 'Only one entry is required, but both fields can be used'. There are two dropdown menus: 'Anesthetic Depth' (currently showing 'Light Sedation') and 'Milestone' (currently showing 'Initial effects'). The 'Anesthetic Depth' dropdown is open, showing options: 1. None, 2. Light Sedation, 3. Deep Sedation, 4. Light Anesthesia, 5. Surgical Anesthesia, 6. Deep Surgical Anesthesia, 7. Medulary Depression, 8. Death. The 'Milestone' dropdown is also open, showing options: 1. Initial effects, 2. Decreased mentation/responsiveness, 3. Recumbency, 4. Working depth of anesthesia, 5. Initial arousal/responsiveness, 6. Control of head, 7. Ability to stand, 8. Return to normal.

The Effects & Milestones tab allows you to track the reaction to the anesthesia event and the recovery. Whereas the Anesthetic Depth can be selected multiple times, a Milestone can only be selected once for each anesthesia event.

It is the mission of Species360 to facilitate international collaboration in the collection and sharing of information on animals and their environments for zoos, aquariums and related organizations.

Observation Date	Time	Elapsed Time	Observed Depth	Observed Milestone	Note	Edit	Delete
Mar 25, 2014	14:15	15 min	Light Sedation	Initial effects			
Mar 25, 2014	14:30	30 min	Deep Sedation	Recumbency			
Mar 25, 2014	15:00	60 min	Surgical Anesthesia	Working depth of anesthesia			
Mar 25, 2014	16:00	120 min	Light Sedation	Initial arousal/responsiveness			

Once Saved, Effects and Milestones will display in a grid where you can add a Note or edit or delete the entry. If a note is recorded, the notebook icon will appear in green.

Samples and Physiological Measurements

Though Samples and Physiological Measurements can be added directly from the anesthesia module, they also act as their own stand-alone functionality. They are covered [here](#) and [here](#), respectively.

Notes/Comments

Notes/Comments is a free-text field that allows you to capture any additional information. SOAP note entry is not an option here. Note Templates marked as Anesthesia will be accessible from here.

Recovery and Ratings

The screenshot shows the 'Edit Anesthesia' form with the following fields and values:

- Anesthesia Induction Rating:** Excellent
- Anesthesia Overall Rating:** Good
- Anesthesia Muscle Relaxation Rating:** Good
- Complication:** Life Threatening
- Recovery:** A dropdown menu is open, showing options:
 1. Normal
 2. Abnormal
 3. Abnormal; Prolonged Recumbency
 4. Abnormal; Extended Atypical Mental Status
 5. Abnormal; Violent
 6. Died During Recovery Phase
 7. Not Applicable
 8. Undetermined

Recovery and ratings gathers details on the recovery period as well as overall event. Most fields are global data standards.

The screenshot shows the 'Recovery' dropdown menu with the following details:

- Recovery:** Abnormal; Prolonged Recumbency
- Renarcotization:** (highlighted with a red box)
- Complication Notes:** A text area with a rich text editor toolbar and the instruction: "Provide details about any complications experienced during the anesthesia."

Be sure to check the box if renarcotization is occurs. You can add notes regarding the renarcotization or other complications (vomiting, apnea, etc.) by explaining the complications notes box.

Revised 7 August 2019

It is the mission of Species360 to facilitate international collaboration in the collection and sharing of information on animals and their environments for zoos, aquariums and related organizations.