

HUSBANDRY AND MEDICAL MODULE INTERFACE

How the two modules work together with shared data.

Contact support@Species360.org

Although the Medical and Husbandry modules are managed as separate modules in ZIMS, some information recorded in the Husbandry module is displayed in the Medical module and some information recorded in the Medical module is displayed in the Husbandry module. In most instances, the data can be edited or deleted only from within the module where it was initially recorded.

Husbandry Data Display in Medical Module

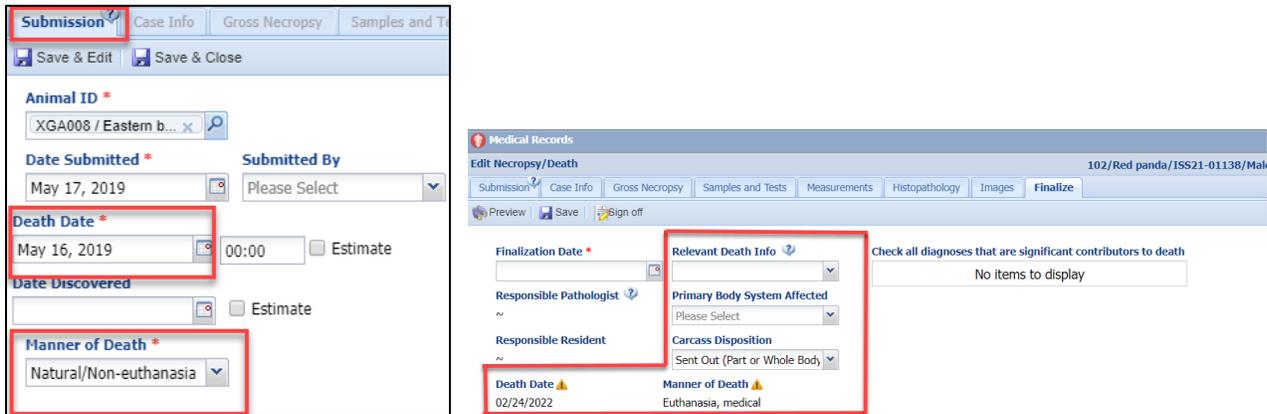
Basic Info 1 2	
GAN Identifiers	MIG12-29339541
Current Enclosure	~
Sex	Male
Scientific Name	Ailurus fulgens fulgens
Common Name	Red panda
Birth	Jul 09, 2002
Age	16Y 10M 7D
Arrival	Mar 20, 2003
Owner	KNOXVILLE 3
Holder	GREENVISC 4
Last Weight	4.5 kilogram (Mar 11, 2003)
Add New Weight	
Collection	Main Institution Animal Collection
Health Status	Define Status
Body Condition Score	Undetermined
Active Problems	No Active Problems Found

On the right side of the Medical dashboard is the Basic Info regarding the animal that is sourced from the Husbandry Module. From here there are links to:

- 1) Active Identifiers
- 2) Husbandry record
- 3) Owner institution
- 4) Holder institution

This information is only editable in the Husbandry module.

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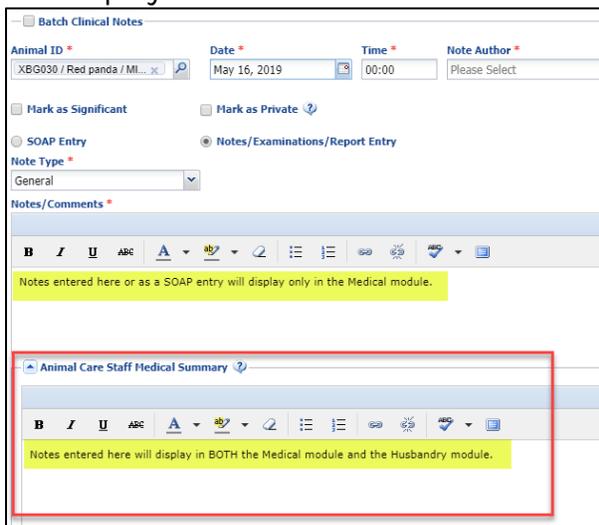


When a death is recorded in Husbandry before a Necropsy is submitted in Medical, the Death Date and Manner of Death will copy over into that field in the Submission tab (left). The Relevant Death Info, Primary Body System Affected and Carcass Disposition will copy over into that field in the Finalize tab (right). All of this information is editable in both the Medical and Husbandry modules; if the copied over data is edited in Medical, it will need to be manually edited in Husbandry.

Medical Data Display in Husbandry Module

When some information entered in the Medical module is displayed in the Husbandry module, you will be given an indication that the data was sourced from the Medical module. You will not be able to edit this information from the Husbandry module.

Any information recorded in the Animal Care Staff Medical Summary will display in the Husbandry module Notes/Observation grid, as well as within the Medical module. Above is the display in the Medical module.



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Date	Note Type	Note Subtype	Title/Keywords	Note
May 16, 2019	Animal Care	Medical Note (M)	Clinical Medical Summary Note	Notes entered here will display in BOTH the Medical module and the Husbandry module.
Jan 13, 2013	Animal Care	Weight Comment	Animal Weight	Migrated from MedARKS Clinical Notes module.
Dec 23, 2009	Sex Information	Sexing Information	EDU Process Sex Record	Legacy data sex record: Date = 2009-12-23, Sex = Male, Comment = (no comment)
Jan 07, 2009	Animal Care	Weight Comment	Measurement Comment	Without tail.
Jan 04, 2007	Animal Information	Identifier Detail	Legacy Animal Identifier Comment	

Above is the Husbandry view of the Animal Care Staff Medical Summary information from the previous screen shot. You can tell this note was entered on the Medical module as the title is Clinical Medical Summary Note. You cannot edit or delete this note, those actions can only be done from the Medical module because it was entered there.

The Husbandry Staff Notes in the Case Info and Finalize tabs of the Biopsy and the Necropsy modules will also display in the Husbandry module Notes and Observations grid.

From the Basic Info in the Medical record you can add a new weight (left). This hyperlink will take you into the Husbandry module's Add New Weight screen. This weight will display in the Husbandry module and it can be edited from there (right). There is no indication that the weight was entered via the Medical module.

Field	Value
GAN Identifiers	HSV18-00120
Current Enclosure	Chickens/ Ducks
Sex	Female
Scientific Name	Gallus gallus domestic...
Common Name	Ameraucana chicken
Birth	Undetermined?
Arrival	May 08, 2018
Owner	GREENVISC
Holder	GREENVISC
Last Weight	2 kilogram (Aug 16, 2019)
Collection	Main Institution Animal Collection
Health Status	Abnormal (Oct 31, 2018)
Body Condition Score	4/9 (Nov 15, 2018)
Active Problems	Cloacitis

Date	Measurement	Value	Measured By	Estimated Weight	Reported By
Aug 16, 2019	Live weight	2 kilogram	-	X	GREENVISC
Jan 26, 2019	Live weight	1.62 kilogram	Karen Dolasin	X	GREENVISC
Jan 20, 2019	Live weight	1.56 kilogram	-	X	GREENVISC
Jan 03, 2019	Live weight	1.46 kilogram	Wendy Barrickman	X	GREENVISC
Nov 16, 2018	Live weight	1.24 kilogram	Karen Dolasin	X	GREENVISC
Nov 15, 2018	Live weight	1.18 gram	-	X	GREENVISC
Oct 31, 2018	Live weight	1.28 kilogram	-	X	GREENVISC
Jun 28, 2018	Live weight	1.48 kilogram	-	X	GREENVISC

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When recording an anesthesia or treatment event, the Veterinarian has the option to use the last weight recorded which is usually sourced from the Husbandry module weight grid. They also have the option to record a new weight for the animal. If a new weight is recorded, this information is copied into the weight grid in the Husbandry animal record. If this is an estimated weight recorded during a Prescription, it is NOT copied into the Husbandry module.

Date	Measurement	Value	Measured By	Estimated Weight	Reported By
Aug 14, 2015	Live weight	190 gram	-	X	GREENVISC
Aug 03, 2015	Live weight	118 gram	-	X	GREENVISC

This weight cannot be edited from the Husbandry module and can only be edited from within the Medical record. You can see the weight recorded on 14 August was sourced from a treatment record. If you do NOT want weights recorded in the Medical module you can do so under Institution Preferences > ZIMS Accessibility.

When a Necropsy is submitted prior to a death being recorded in the Husbandry module, an Incomplete Disposition is created in the Husbandry module.

- This allows the 'death record' to be started from a Necropsy submission
- It guarantees that Husbandry staff will have the ability to confirm death information linked to formal medical necropsy record
- If details are not in agreement between the Husbandry and Medical staff these changes can be noted and corrected

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- A Necropsy Submission also creates a Calendar Task

The screenshot shows the 'Statistics' tab for the animal HSV18-00120/Gallus gallus domesticus americana. Under the 'Animal Statistics' section, there are four categories: 'Pending Transactions - By My Institution (47)', 'Pending Transactions - By Other Institutions (1)', 'Incomplete Disposition (6)', and 'Pending Taxonomic Changes (24)'. The 'Incomplete Disposition (6)' link is highlighted with a red rectangular box.

Incomplete Dispositions display under the Statistics tab in the Animals module.

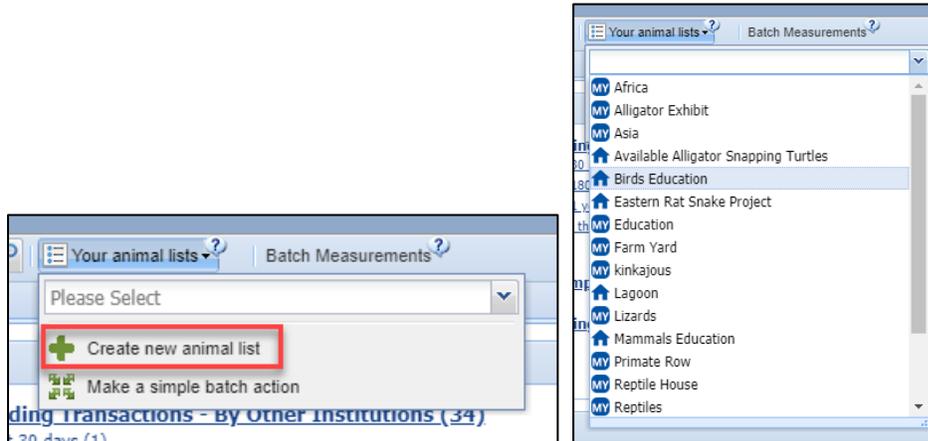
The screenshot shows a list of 'Incomplete Dispositions' for the animal HSV18-00120/Gallus gallus domesticus americana. The list is displayed in a table with the following columns: Animal GAN, Taxon, Disposition Type, Animal Count, Animal Type, and Reported Date. The 'Incomplete Disposition (6)' link is highlighted in a red box.

Animal GAN	Taxon	Disposition Type	Animal Count	Animal Type	Reported Date
HSV16-00043	Dendrocygna viduata/White-faced whistlin...	Death/Necropsy		Egg	Jun 22, 2016
HSV16-00044	Dendrocygna viduata/White-faced whistlin...	Death/Necropsy		Egg	Jun 22, 2016
HSV16-00045	Dendrocygna viduata/White-faced whistlin...	Death/Necropsy		Egg	Jun 22, 2016
HSV18-00131	Pongo abelii/Sumatran orangutan	Death/Necropsy		Individual	May 06, 2019
HSV16-00056	Colobus angolensis palliatus/Black-and-wh...	Death/Necropsy		Individual	Aug 01, 2019
4805733	Cygnus atratus/Black swan	Death/Necropsy		Individual	Aug 02, 2019

The screenshot shows a transaction record for a death transaction. The record is highlighted in yellow. A context menu is open over the record, showing options: Confirm/Edit, Deny, No information available, Not recorded in ZIMS, and Delete. The record details include: Date: Aug 02, 2019 0..., Physical/Ownership Event: Death, Status: YES, and Disposition Type: Death.

Clicking on the GAN hyperlink GAN will take you to the My Transactions tab of the animal's record where you will see a Death transaction pending. You are allowed to Confirm/Edit the death record, Deny or Delete it or state that No Info is Available or that the record will Not be Recorded in ZIMS.

Data Shared Between the Modules



Animal Lists can be created in both the Husbandry and the Medical modules and are available for use in each module (if marked as Shared), regardless of which one they were created in.

Health Status and Body Condition Scores display in, and can be updated in, both the Husbandry and the Medical modules.

- In Husbandry find them in the Basic Info grid in the Details tab of the animal record.
- In Medical, find them in the right hand Basic Info area.

In addition, Health Status can be updated in both the Anesthesia and the Diagnosis & Prescriptions modules. The most recent entry in either module is what will display.

Medical Data in Data Entry Monitoring

- All medical entries can be viewed and rolled back by Local Admin
- Weights that are recorded during Anesthesia or Treatment do not display as separate entries so they cannot be rolled back
- Weights recorded from Basic Info can be rolled back

Medical Data in Activity Report

- Weights recorded (including estimated weights)
- Animal Care Staff Medical Summary note
- Other medical entries are not displayed

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