

## MEDICAL DATA QUALITY

How to clean up your medical data.

Contact [support@Species360.org](mailto:support@Species360.org)

ZIMS provides many options to help you find questionable or incomplete data in the Medical module. Some of this may have been migrated from MedARKS, but some may be recent entries that have simply not been completed or finalized.

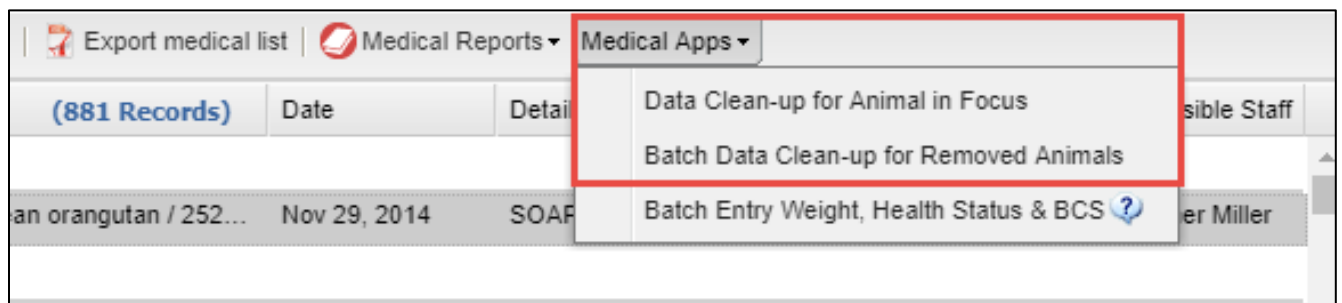
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### Medical Apps

At the top of the Medical Records main dashboard is a drop down for Medical Apps. The first two of these – Data Clean-up for Animal in Focus and Batch Data Clean-up for Removed Animals can help you clean up your Medical records. ZIMS loops through each record checking for potential data quality problems.



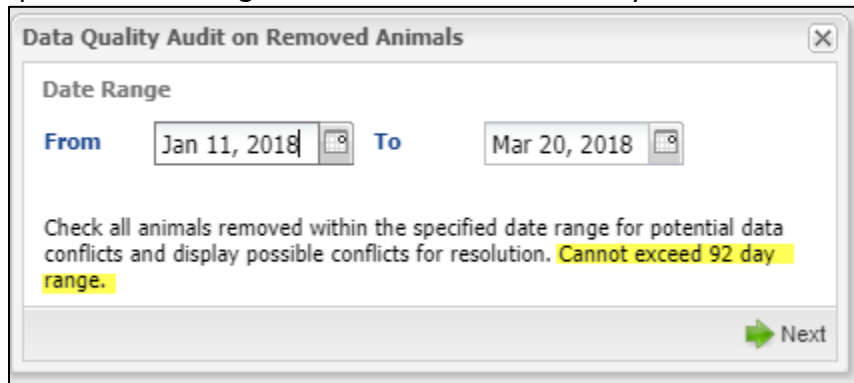
What ZIMS is looking for is:

- Diagnosis records with no resolution date
- Diagnosis records with a resolution date after a disposition/death date
- Prescription records with an end date after the disposition/death date and no termination date
- Prescription records with an end date after the disposition/death date and a termination date also after the disposition/death date
- Non-pathology type calendar event after the disposition/death date

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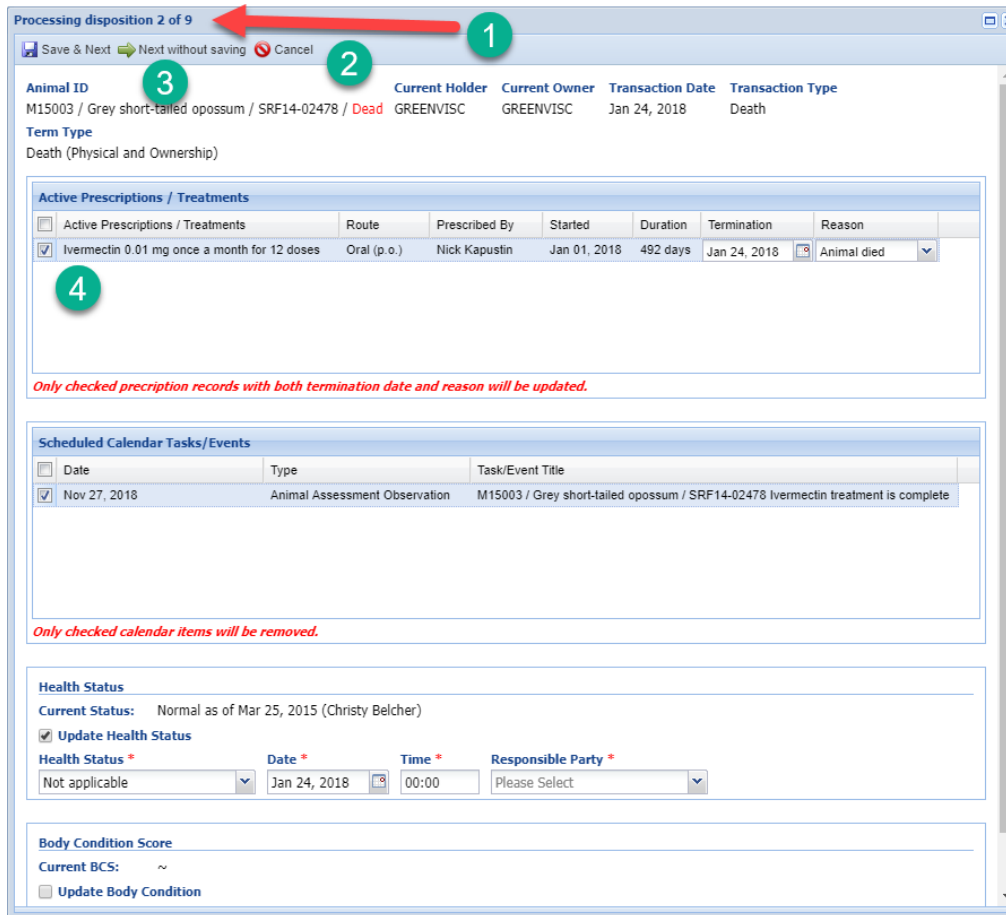
- Death transaction with a most recent health status other than “not applicable”

The Date Clean-up for Animal in Focus will look at only that one record. Batch Data Clean-up for Removed Animals will look in all Medical records for animals that were dispositioned/died during a specified date range that does not exceed 92 days.



The screenshot shows a dialog box titled "Data Quality Audit on Removed Animals". It features a "Date Range" section with "From" and "To" date pickers. The "From" date is set to "Jan 11, 2018" and the "To" date is set to "Mar 20, 2018". Below the date pickers, there is a text instruction: "Check all animals removed within the specified date range for potential data conflicts and display possible conflicts for resolution. Cannot exceed 92 day range." The text "Cannot exceed 92 day range" is highlighted in yellow. At the bottom right of the dialog box, there is a green arrow button labeled "Next".

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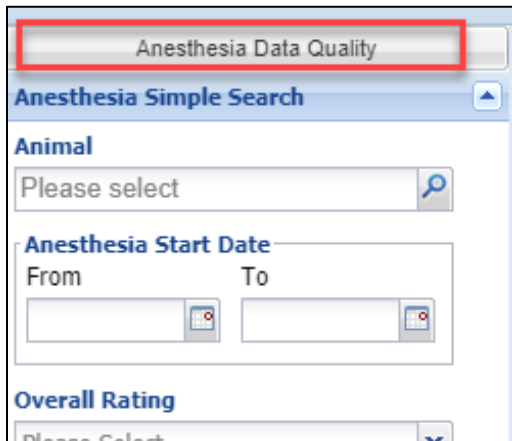


- 1.The total number of records (9) and how many records you have been in (2) will display at the top.
- 2.You can update the data and Save and move to the next record, move to the next record without editing/saving or Cancel the process.
- 3.The record you are in will be displayed.
- 4.Any possible data cleanup will be displayed. You can also update Health Status and Body Condition score from this screen.

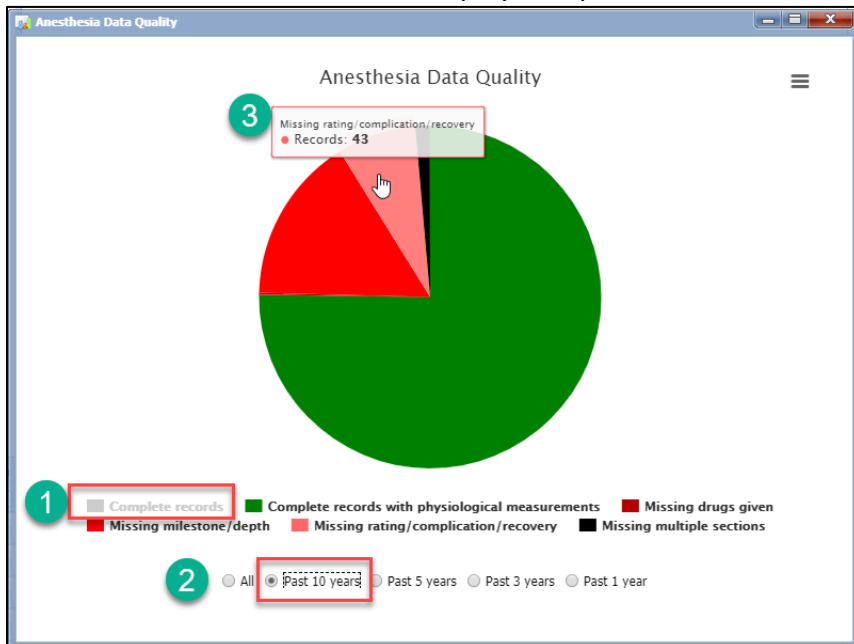
### Anesthesia Data Quality Search

The Anesthesia Data Quality\_search is found under Anesthesia search in the lower left of the Medical dashboard.

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This search can help you to clean up those unfinished Anesthesia records to create a complete and finalized record. The results will display as a pie chart.



1. You can remove sections of the pie to better view others by clicking on the topic. Here we have removed any Complete records from the pie to better display those where there may be cleanup required.
2. You can select a range. Here we are looking at records from the past 10 years.
3. Hovering over the pie slice will display the number of records involved. Here we have 43 records that are missing rating/complication/recovery information.

Clicking on the pie slice will bring up a list of records with the selected missing information.

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Animal	(8 Records)	Date	Details
<b>Oct 14, 2014</b>			
M14004 / Prevost's squirrel / HSV14-01795		Oct 14, 2014	Pending completion (no rating/recovery data...)
<b>Aug 08, 2014</b>			
XXA032 / Copperhead / 25733243		Aug 08, 2014	Pending completion (no rating/recovery data...)
<b>Feb 02, 2013</b>			
XGA013 / Domestic chicken (breed unspecifie...		Feb 02, 2013	Pending completion (no effects or milestone...)
<b>Aug 10, 2012</b>			
B12008 / Black swan / HSV12-00006		Aug 10, 2012	Pending completion (no rating/recovery data...)
<b>Aug 11, 2010</b>			
M08002 / Ring-tailed lemur / MIG12-29858189		Aug 11, 2010	Pending completion (no rating/recovery data...)
XBA014 / Ring-tailed lemur / 6981831		Aug 11, 2010	Pending completion (no rating/recovery data...)
XXA015 / Ring-tailed lemur / MIG12-30022335		Aug 11, 2010	Pending completion (no rating/recovery data...)
<b>Sep 29, 2009</b>			
94G001 / Siamang / 1800480		Sep 29, 2009	Pending completion (no rating/recovery data...)

### Relevant Death Information Analysis

Relevant Death Information Analysis helps you find any incomplete or conflicting necropsies. This is found under Start > Global Resources > Medical Resources > Morbidity & Mortality Analysis or Start > Medical > Medical Resources > Morbidity & Mortality.

Select Relevant Death Information Analysis and My Institution scope. You can limit by taxonomy or select Animalia and check Include Taxon Below to find all the records you need to complete for your entire collection. You can also limit the results to animals that actually died under your care, removing information from animals out on loan that died elsewhere. You can also select a Death Date range.

**Morbidity & Mortality Analysis**

**Morbidity/Mortality Function**

- Most common clinical issues
- Relevant death information analysis
- Search by diagnosis (local animals only)

**Taxonomy \*:**

Search

Include Taxon Below

Global  Continent  My Institution

Animals at my institution.

Restrict analysis to animals dying at this institution

**Accession Types \***

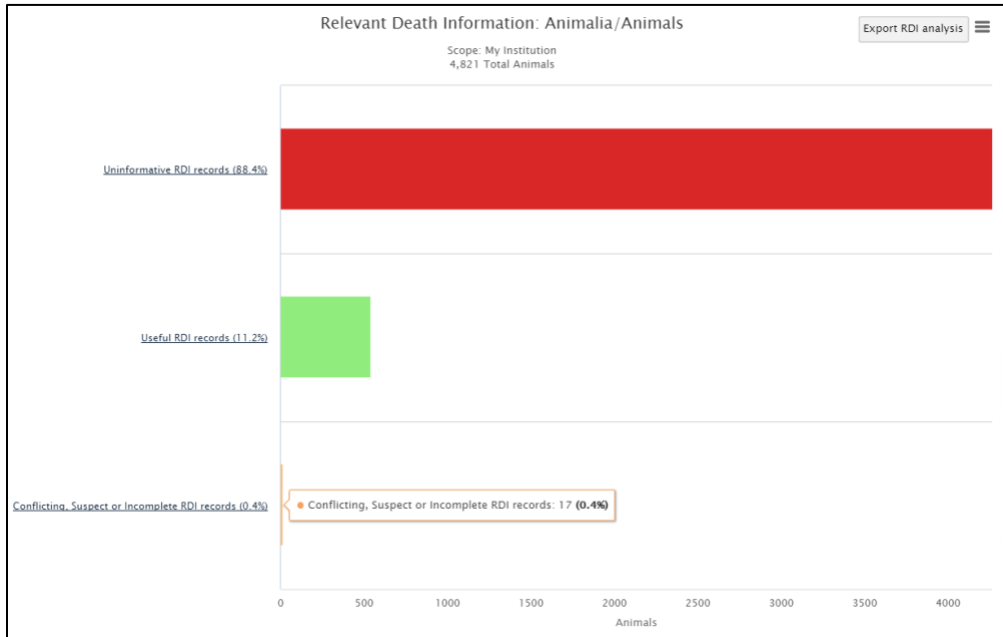
Individual, Group of Animals

**Death Date**

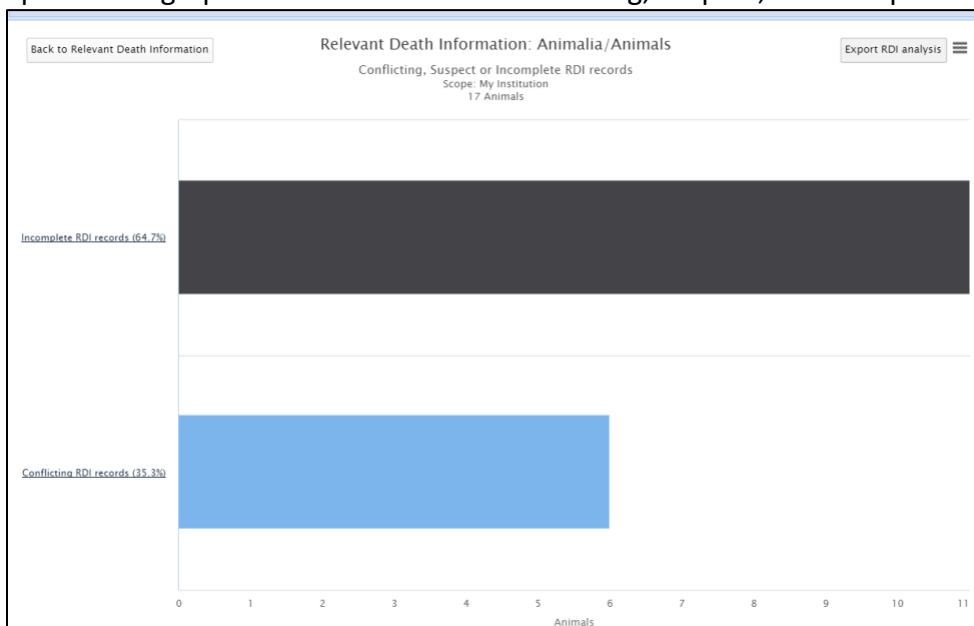
From  To

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The first graph displays the records with Uninformative RDI records, Useful RDI records, and Records with Conflicting, Suspect or Incomplete RDI records. Hovering over the bars will display the number of records of each type. There are 17 records with suspect RDI recorded.



Clicking on the bar title hyperlink or the bar itself will drill down to display another graph. Here we opened the graph for records that are Conflicting, Suspect, or Incomplete.



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When you open your final bar a list of animals with records will be displayed. Here we see all records where Undetermined/Indeterminate AND useful RDI has been recorded.

Animal GAN	Animal Type	Scientific Name	Common Name	Sex Type	DOB/Established Date	Status
<a href="#">QTV15-01347</a>	Individual	<i>Sylvilagus transitionalis</i>	New England cottontail	Undetermined	Apr 16, 2015	Dead as of 2015-04-20
<a href="#">QTV14-01326</a>	Individual	<i>Sylvilagus transitionalis</i>	New England cottontail	Male	Apr 01, 2014	Dead as of 2015-04-26
<a href="#">26473839</a>	Individual	<i>Cacicus cela</i>	Yellow-rumped cacique	Female	Sep 02, 2008	Dead as of 2013-07-20
<a href="#">QTV16-01484</a>	Individual	<i>Sylvilagus transitionalis</i>	New England cottontail	Undetermined	May 27, 2016	Dead as of 2016-05-27
<a href="#">QTV15-01433</a>	Individual	<i>Sylvilagus transitionalis</i>	New England cottontail	Undetermined	Aug 15, 2015	Dead as of 2015-08-16
<a href="#">18963355</a>	Individual	<i>Lycaon pictus pictus</i>	African hunting dog	Male	May 05, 2005	Dead as of 2012-02-02

Selecting the GAN hyperlink will open the record for review and correction. In the record Below both Undetermined and Neoplasia have been recorded. The Undetermined entry should be removed.

**Individual Death Info**

Death Date: Feb 02, 2012

Discovered Date: ~

Death In Transit: ✘

Responsible Party Name: ~

Manner Of Death: Euthanasia, medical

Carcass Disposition: Incinerated

Relevant Death Information: Undetermined; Non-infectious Disease or Condition > Neoplasia

Primary Body System Affected:

Submitted For Necropsy: ✔

Comment: euthanized due to large mass identified in chest

**Revised 9 May 2019**