

Generating Data Availability Metrics

Once you successfully save a sample to the database, you or the data curator can generate a data availability metrics table for the sample. The metrics identify the percentage of data available for the sample and displays metrics of submitted data against caNanoLab-supported data and data supported in the MinChar standard.



Curators and batch metrics

A data curator can generate data availability metrics in [batch mode](#) for samples as well.

Reviewing the Metrics for an Individual Sample

To review data availability metrics for an individual sample

1. Perform a sample search.
2. From the sample search results, if data availability metrics are generated for a sample, click the link in the Data Availability column

| Sample Search Results | | | | | | |
|--|-------------|--------------------------|-------------|-----------|-------------------|------------------------------|
| 9 items found, displaying 1-9 | | | | | | |
| Show 10 entries | | | | | | |
| 1 page << 1 >> | | | | | | |
| Actions | Sample Name | Primary Point Of Contact | Composition | Functions | Characterizations | Data Availability |
| Edit Add to Favorites | | | | | | caNanoLab: 10%; MINChar: 11% |
| Edit Add to Favorites | | | | | | caNanoLab: 23%; MINChar: 11% |

You can review the metrics and click **Close** when you are done.

Re/Generating Metrics for an Individual Sample

To delete or regenerate availability metrics for a sample



Updating a public sample

If you generate data availability metrics after a sample is made public, the updated metrics will not be included in the public version. You will have to submit the sample for review again, as described in [Making a Sample Public](#).

1. Perform a sample search.
2. From the sample search results, click **Edit** in the Actions column. The Update Sample page opens with the Data Availability Metrics section at the bottom.

| Data Availability Metrics | caNanoLab Availability Score | MINChar Availability Score | |
|---------------------------|------------------------------|----------------------------|----------------------|
| | caNanoLab: 10%; MINChar: 11% | 11.0% (1 out of 9) | Edit |

- a. If there are no metrics generated for the sample, click **Generate**.
- b. If metrics were previously generated, click **Edit**.

The metrics table displays high-level metadata.

| Data Availability Metrics | | |
|--|----------------------------------|---|
| caNanoLab Availability Score: 10.0% (3 out of 30) MINChar Availability Score: 11.0% (1 out of 9) | | |
| caNanoLab | MINChar | |
| | agglomeration and/or aggregation | |
| | crystal structure/crystallinity | |
| General Sample Information | | ✓ |
| Sample Composition | chemical composition | ✓ |
| nanomaterial entities | | |

For example, the following table describes the percentages at the top of the metrics table.

| Percentages at the Top of the Metrics | Description |
|---|--|
| caNanoLab Availability Score: 10.0% (3 out of 30) | Indicates that the sample has 10% of the total possible number of caNanoLab attributes filled in or 3 out of 30. |
| MINChar Availability Score: 11.0% (1 out of 9) | Indicates that the sample has 11% of the total possible number of MinChar attributes filled in or 1 out of 9. |

The following table describes each column on the metrics table.

| Columns in the Metrics | Description |
|------------------------|--|
| caNanoLab | Lists all data elements that can be added to the sample in caNanoLab. |
| MinChar | Lists the minimum nanoparticle characterization standards as established by MinChar Initiatives. |
| [Name of sample] | includes check marks where data element annotations are added to the sample. |

3. When you are done viewing the metrics, choose one of the buttons at the bottom of the metrics table.

| | | |
|--------------------------|--|---|
| In Vivo Characterization | | |
| pharmacokinetics | | |
| toxicology | | |
| Publications | | ✓ |

Delete
Regenerate
Close

- Click **Delete** to delete the metrics for this sample.
- Click **Regenerate** to regenerate the metrics.
- Click **Close** to return to Update Sample without changing the metrics.