

LORIS User Guide

Rockland Sample

Updated October 2025

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Access to the Loris platform

To gain access to Rockland Sample's LORIS you first need to obtain a Data Usage Agreement (DUA). Details about the DUA can be found here:

<https://rocklandsample.org/phenotypic-data>

After obtaining a DUA, you can contact our support email

(RocklandSample.Enduser@nki.rfmh.org) and request the creation of an account for you and other members of your lab.

Login/password problems

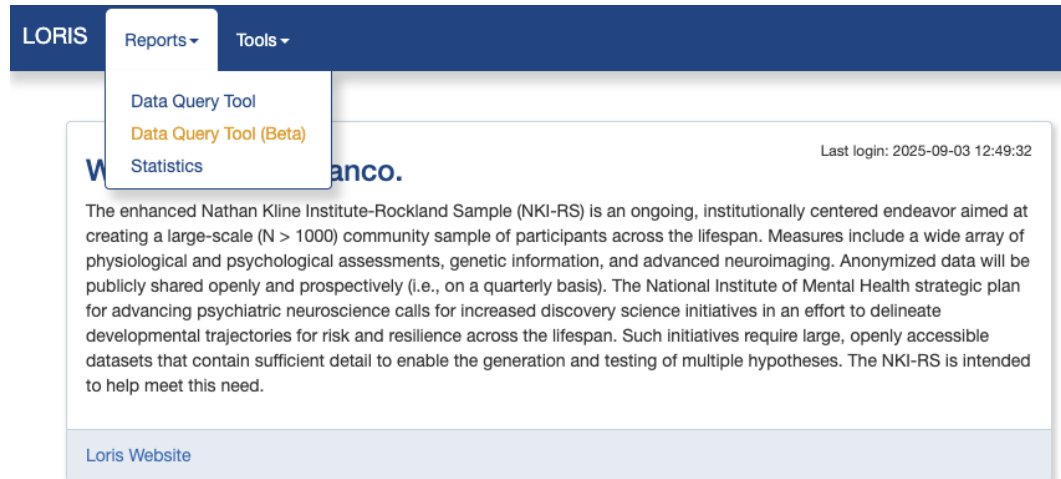
If you encounter any problems with your password or user account, directly contact the Rockland Sample end user support email (RocklandSample.Enduser@nki.rfmh.org).

Performing queries - Data Query Tool

First you need to login with your provided credentials into the LORIS platform:

<https://data.rocklandsample.rfmh.org/>

After logging in, you may query and download data using the “Data Query Tool (**Beta**)” under the “Reports” tab of the top panel.



The original “Data Query Tool” is a legacy tool that will be abandoned in future LORIS releases.

Once on the DQT page, click on “Continue to Define Fields”



Welcome to the Data Query Tool

Instructions

The data query tool allows you to query data within LORIS. There are three steps to defining a query:

1. First, you must select the fields that you're interested in on the **Define Fields** page.
2. Next, you can optionally define filters on the **Define Filters** page to restrict the population that is returned.
3. Finally, you view your query results on the **View Data** page

The **Next Steps** on the bottom right of your screen always the context-sensitive next steps that you can do to build your query.

Your recently run queries will be displayed in the **Recent Queries** panel below. Instead of building a new query, you can reload a query that you've recently run by clicking on the  icon next to the query.

Queries can be shared with others by clicking the  icon. This will cause the query to be shared with all users who have access to the fields used by the query. It will display in a **Shared Queries** panel below the **Recent Queries**.

You may also give a query a name at any time by clicking the  icon. This makes it easier to find queries you care about by giving them an easier to remember name that can be used for filtering. When you share a query, the name will be shared along with it.

Continue to Define Fields

Some variables are created by default in LORIS, and we are not using them since they would contain PHI. Please ignore these fields since they do not have any relevant data. They are the following parameters

CANDIDATE PARAMETERS

Candidate Identifiers

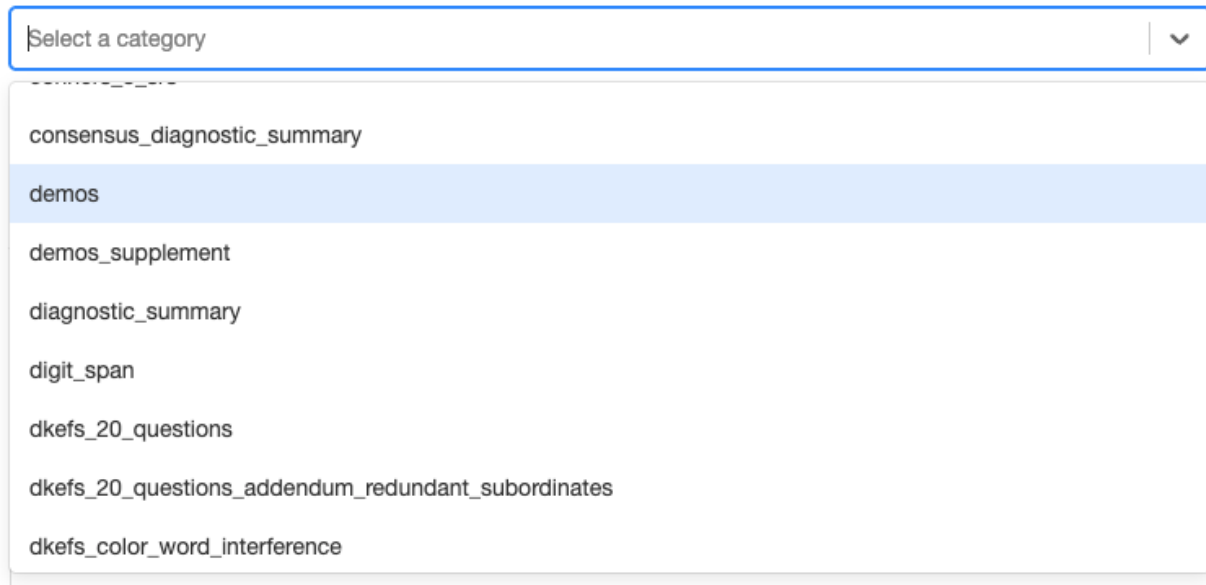
Candidate Demographics

Other parameters

Here are some examples of performing queries:

Example 1 - Basic Demographic pull

In this first example we want to pull demographic information from the participants and visits. You would first want to select the “demos” field:



The image shows a web interface with a dropdown menu. The dropdown is open, displaying a list of variables. The variable 'demos' is highlighted in blue, indicating it is the selected option. The other variables listed are 'consensus_diagnostic_summary', 'demos_supplement', 'diagnostic_summary', 'digit_span', 'dkefs_20_questions', 'dkefs_20_questions_addendum_redundant_subordinates', and 'dkefs_color_word_interference'.

Select a category
consensus_diagnostic_summary
demos
demos_supplement
diagnostic_summary
digit_span
dkefs_20_questions
dkefs_20_questions_addendum_redundant_subordinates
dkefs_color_word_interference

Note that it might take a few seconds to populate the list of variables.

Within an instrument, LORIS includes some system variables, such as “Date_taken”, “Candidate_Age”, “Window_Difference”, and “Examiner”. There is no data in these variables.

demos_Date_taken Date of Administration
demos_Candidate_Age Candidate Age (Months)
demos_Window_Difference Window difference from test battery (days)
demos_Examiner Examiner

In order to obtain the participant ID and session code in your data export, we recommend always selecting either the field that ends with “custom_ID”, or a combination of “a_number” and “session_num”.

When using the “custom_ID”, you receive the A number (participants ID) with a session label in the same column. When selecting “a_number” and “session_num”, those will be provided into separate columns. See an example output:

Visit Label	demos_custom_ID	demos_a_number	demos_session_num
BAS1	A00055158_BAS1	A00055158	BAS1
FLU2	A00038414_FLU2	A00038414	FLU2
BAS2	A00038414_BAS2	A00038414	BAS2
FLU1	A00038414_FLU1	A00038414	FLU1
BAS1	A00038414_BAS1	A00038414	BAS1
BAS1	A00044345_BAS1	A00044345	BAS1
BAS1	A00051539_BAS1	A00051539	BAS1
BAS1	A00066871_BAS1	A00066871	BAS1

For this example, we want to obtain the age and sex of all participants across all sessions. We would then select the fields “demos_a_number”, “demos_session_num”, “demos_dem_001”, and “demos_dem_002”

After selecting these fields, we will have this on our top-right corner of the page:

Selected Fields

Clear

demos_a_number



a_number

BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT

demos_session_num



Session (BAS1 etc.)

BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT

demos_dem_001



What is your current age in years?

BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT

demos_dem_002



What is your sex?

BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT

After these fields are selected, you can press “Run Query”

Next Steps

Add Filters

Run Query



LORIS by default includes cells for all participants and sessions, even though a participant might not have multiple sessions. For excluding these empty cells, we recommend changing the “Display visits as” to “Row (Cross-sectional)”:

Header Display Format Field Name: Field Description ▼

Display visits as Rows (Cross-sectional) ▼

Display options as Labels ▼

20 rows displayed of 2647. (Maximum rows per page: 20 ▼)

[Download Table as CSV](#)

1 2 3 4 5 6 7 »

Visit Label	demos_a_number: a_number	demos_session_num: Session (BAS1 etc.)	demos_dem_001: What is your current age in years?	demos_dem_002: What is your sex?
BAS1	A00055158	BAS1	13	2
FLU2	A00038414	FLU2	66	2
BAS2	A00038414	BAS2	64	2
FLU1	A00038414	FLU1	65	2

You can then download the data as a csv by pressing the button “Download Table as CSV”

[Download Table as CSV](#)

Example 2 - Specific Instrument data with filtering of subjects

In this example, we want to obtain only data from participants between the age of 10 and 15. We also want to get data from the Pegboard experiment.

We can start off by following the steps from example 1 in selecting the variables of age and sex from “demos”.

Next, select the “pegboard” field, and then the following variables:

pegboard_peg_01
Dominant Hand?

pegboard_peg_02
1st row time (in seconds)_dominant hand

pegboard_peg_03
Trial time (in seconds)_dominant hand

Visits

BAS1 x BAS2 x BAS3 x FLU1 x FLU2 x FLU3 x x ▼

Visits

BAS1 x BAS2 x BAS3 x FLU1 x FLU2 x FLU3 x x ▼

Visits

BAS1 x BAS2 x BAS3 x FLU1 x FLU2 x FLU3 x x ▼

At the top right corner of the page you should see the following selections:

Selected Fields Clear

demos_a_number a_number <i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
demos_session_num Session (BAS1 etc.) <i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
demos_dem_001 What is your current age in years? <i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
demos_dem_002 What is your sex? <i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
pegboard_peg_01 Dominant Hand? <i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3</i>	
pegboard_peg_02 1st row time (in seconds)_dominant hand <i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3</i>	
pegboard_peg_03 Trial time (in seconds)_dominant hand <i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3</i>	

Next, at the bottom right corner of the screen, select “Add Filters”

In the next page you will select “Add Condition”

Current Query

Query matches 1527 candidates

 Note that only candidates which you have permission to access in LORIS are included in results. Number of results may vary from other users running the same query.

Currently querying for ALL candidates.

You can add conditions by clicking one of the buttons below.

Click [Add Condition](#) to add one or more conditions to your filters (ie. "Date Of Birth < 2015-02-15"). **This is most likely where you want to start your filters.**

You can also import a population from a CSV by clicking the [Import from CSV](#) button.

The advanced options are for queries that do not have a condition to add at the base of the query.

[Add Condition](#)

[Import from CSV](#)

[Show Advanced](#)

Since we want only data from participants from 10 to 15, we'll need to apply this filter. First, let's filter only for participants that are 10 or older. In the Field, select the “demos”, and then select the question that corresponds to demos_dem_001. In the Criteria, select $\geq$ and 10. Then press submit.

Add criteria
×

Field

demos
▼

What is your current age in years?
▼

Criteria

≥
▼

10

for at least one of the following visits

BAS1
×

BAS2
×

BAS3
×

FLU1
×

FLU2
×

FLU3
×

NFB
×

TRT
×

×

▼

Submit

Next, select (Add “and” condition).

Make the same selections for Field, but now change the criteria to $\leq$ and 15, and press submit.

You should now see this screen:

Currently querying for any candidates with:

What is your current age in years? demographics (instruments)	≥	10	at visit BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB or TRT	✕
and				
What is your current age in years? demographics (instruments)	≤	15	at visit BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB or TRT	✕

Add “and” condition to group
New “or” subgroup

Next, press “Run Query” at the bottom left of the screen.

Change the “Display visits as” to “Row (Cross-sectional)”. You should now see that the table includes data from participants aged from 10 to 15, and includes data from the pegboard experiment. You should obtain a result similar to what is shown below.

Header Display Format	Field Name: Field Description						
Display visits as	Rows (Cross-sectional)						
Display options as	Labels						

20 rows displayed of 595. (Maximum rows per page: 20)

[Download Table as CSV](#) 1 2 3 4 5 6 7 »

Visit Label	demos_a_number: a_number	demos_session_num: Session (BAS1 etc.)	demos_dem_001: What is your current age in years?	demos_dem_002: What is your sex?	pegboard_peg_01: Dominant Hand?	pegboard_peg_02: 1st row time (in seconds)_dominant hand	pegboard_peg_03: Trial time (in seconds)_dominant hand
BAS1	A00055921	BAS1	7	2	1	13	69
BAS1	A00059422	BAS1	7	2	1	25	106
BAS1	A00055907	BAS1	7	2	1	19	105
BAS1	A00055946	BAS1	7	2	1	15	75
BAS1	A00077397	BAS1	7	1	1	14	70
BAS1	A00058060	BAS1	8	2	1	15	80
BAS1	A00066711	BAS1	8	2	1	10	74
BAS1	A00062085	BAS1	8	1	2	13	83
BAS1	A00077577	BAS1	8	1	2	20	93
BAS1	A00075362	BAS1	8	1	1	14	82
BAS1	A00081090	BAS1	8	2	1	17	98
BAS1	A00058004	BAS1	8	1	1	11	66
BAS1	A00083080	BAS1	8	1	1	13	79
BAS1	A00076568	BAS1	8	1	1	60	
BAS1	A00057809	BAS1	8	2	1	13	81
BAS1	A00055693	BAS1	8	2	2	19	97
TRT	A00055693	TRT	8	2	No data for visit	No data for visit	No data for visit
BAS1	A00077412	BAS1	8	2	1	17	88
BAS1	A00055612	BAS1	8	2	2	11	80
BAS1	A00056830	BAS1	8	2	1	15	86

NOTE: You will see that the age of the participants in the first few columns are equal to 7, smaller than our filter of only providing data of participants aged between 10 and 15. This happens because the filter is looking at all the visits for a particular subject. If any of the visits fall within the range of 10 to 15, then the data from all sessions are provided. An example would be this subject below (looking at the exported csv file):

Visit Label	demos_a_number	demos_session_num	demos_dem_001: What is your current age in years?	demos_dem_002: What is your sex?	pegboard_peg_01	pegboard_peg_02	pegboard_peg_03
BAS1	A00057809	BAS1	8	2	1	13	81
FLU1	A00057809	FLU1	9	2	1	13	62
FLU2	A00057809	FLU2	11	2	1	9	48

You can see that for the sessions of BAS 1 and FLU1 the participant is not inside our criteria, however for FLU2 it is.

This is a limitation of LORIS and we are expecting that this will be fixed in a new release. For now, additional filters will need to be applied after downloading the csv file if you want data only between the ages of 10 to 15.

Example 3 - Specific Instrument data with filtering of sessions

For this example we want to get all the data from the CBCL instrument, but only for the participant's first visit (BAS1). First we'll select the "cbcl" instrument:

Available Fields

S
F

 ▼

cbcl fields

Default
Visits

BAS1 x BAS2 x BAS3 x FLU1 x FLU2 x FLU3 x

NFB x TRT x TRT2 x

x ▼

☐ Sync with
selected
fields

 Q

Add all

Remove all

cbcl_Date_taken
Date of Administration

In the “Default Visits” tab, we’ll want to remove all visits except for BAS1. You will also need to click on “Sync with selected fields”.

Available Fields

 ▼

cbcl fields

Default Visits

BAS1 x x ▼

☒ Sync with
selected fields

 Q

Add all

Remove all

Next, press “add all” to include all fields in your query.
You will notice that only the BAS1 visits are included in the query.

Selected Fields

Clear

cbcl_Date_taken

Date of Administration

BAS1



cbcl_Candidate_Age

Candidate Age (Months)

BAS1



cbcl_Window_Difference

Window difference from test battery (days)

BAS1



cbcl_Examiner

Examiner

BAS1



cbcl_custom_ID

A-number combined with Session

BAS1



cbcl_a_number

a_number

BAS1



cbcl_session_num

Session (BAS1 etc.)

BAS1



cbcl_all_studies

All studies that include participant

BAS1



cbcl_Study

Study of current session

BAS1



Next, you will need to press the “Add Filters” or “Modify Filters” button on the bottom right, and then the “Add Condition” button. You will need to select the field “cbcl” and then “Session (BAS1 etc.). The Criteria will be = BAS1

Add criteria
×

Field

Select a category

Session (BAS1 etc.)

Criteria

=

BAS1

for at least one of the following visits

BAS1

BAS2

FLU1

FLU2

×

▼

Submit

Press “Submit”, then “Run Query”. You are now going to want to select “Display Visits as” = “Columns (Longitudinal)”, If you select “Row (Cross-sectional)” as in our previous examples you will get data from all visits. You should be able to see the following result:

Header Display Format

Field Name: Field Description

Display visits as

Columns (Longitudinal)

Display options as

Labels

20 rows displayed of 379. (Maximum rows per page: 20)

Download Table as CSV
1
2
3
4
5
6
7
»

cbcl_custom_ID: number combined with session : BAS1	cbcl_a_number: a_number : BAS1	cbcl_session_num: Session (BAS1 etc.) : BAS1	cbcl_all_studies: All studies that include participant : BAS1	cbcl_Study: Study of current session : BAS1	cbcl_origin_session: follow-up or TRT of which session : BAS1	cbcl_days_from_enrollment: days since study enrollment : BAS1	cbcl_days_enrol
0055867_BAS1	A00055867	BAS1	{Longitudinal_Child}	Longitudinal_Child		0	0
0064597_BAS1	A00064597	BAS1	{Longitudinal_Child,Discovery}	Discovery		13	13
0055765_BAS1	A00055765	BAS1	{Longitudinal_Child,Discovery}	Discovery		0	0

Example 4 - Understanding Session Codes

The Rockland Sample I study was developed from a combination of 4 different NIH funded substudies. More details about these substudies can be found [here](#). Since these substudies are a mixture of cross-sectional and longitudinal substudies it can be a bit tricky to navigate the study codes. In this example we'll be showing some examples of study codes and how to navigate through them.

First we'll need to select some specific fields. For this example we are going to obtain data from the demos. Select the fields shown below.

Selected Fields Clear

demos_a_number	
a_number	
<i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
demos_session_num	
Session (BAS1 etc.)	
<i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
demos_origin_session	
follow-up or TRT of which session	
<i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
demos_days_from_enrollment	
days since study enrollment	
<i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
demos_days_from_first_enrollment	
days since participant first enrolled in any study	
<i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
demos_dem_001	
What is your current age in years?	
<i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	
demos_dem_002	
What is your sex?	
<i>BAS1, BAS2, BAS3, FLU1, FLU2, FLU3, NFB, TRT</i>	

Below is shown an example output. Looking at the example output for participant **A00008326** inside the red box. Here are the details about each column regarding visit sessions.

- demos_session_num: This is the code for the visit session. As can be seen, this participant had two Baseline visits. This is a case where a participant initially was part of a cross sectional substudy (BAS1) and then later enrolled in a longitudinal substudy and repeating the baseline assessment (BAS2). FLU1 and FLU2 are the two follow-up sessions that are part of the longitudinal substudy.
- demos_origin_session: For each follow-up session, there is a source baseline session for the longitudinal studies. Since participant **A00008326** has two baseline visits, the second baseline (BAS2) is the source of the two follow-up sessions (FLU1 and FLU2).
- demos_days_from_enrollement: This is the number of days, for the specific session, that the participant has been enrolled in a specific substudy. For this participant, BAS1 is on day 0. BAS2 is also on day 0, since they were enrolled in a new longitudinal substudy. Hence, the day counter restarts
- Demos_days_from_first_enrollment: This is the number of days since the participant was first enrolled into Rockland Sample study. As can be seen, this participant enrolled in the longitudinal substudy 1900 days after first enrolling into Rockland Sample.

Visit Label	demos_a_number: a_number	demos_session_num: Session (BAS1 etc.)	demos_origin_session: follow-up or TRT of which session	demos_days_from_enrollment: days since study enrollment	demos_days_from_first_enrollment: days since participant first enrolled in any study	demos_dem_001: What is your current age in years?	demos_dem_002: What is your sex?
BAS1	A00008326	BAS1		0	0	59	2
BAS2	A00008326	BAS2		0	1900	64	2
FLU2	A00008326	FLU2	BAS2	743	2643	66	2
FLU1	A00008326	FLU1	BAS2	365	2265	65	2
BAS1	A00008399	BAS1		0	0	23	1
BAS1	A00010893	BAS1		0	0	28	1
BAS1	A00013809	BAS1		0	0	61	2
FLU1	A00018030	FLU1	BAS1	0	684	13	2
BAS1	A00018030	BAS1		0	0	11	2
BAS1	A00019903	BAS1		0	0	83	1
BAS1	A00021039	BAS1		0	0	67	2
BAS1	A00023510	BAS1		0	0	23	1
BAS1	A00025566	BAS1		0	0	72	1
FLU1	A00027159	FLU1	BAS1	0	672	13	1
BAS1	A00027159	BAS1		0	0	11	1

Data Dictionary

Data dictionaries for LORIS variables can be obtained from [this link](#).