

ACL Research Filter

Lily England

Introduction

Due to patient confidentiality, I am unable to share the direct link to the app I have developed and deployed.

Instead, I have created a presentation to highlight the features of the app without distributing the link and displaying patient data.

This app is used by researchers to filter through the ACL reconstruction dataset.

Home Page

Options to navigate to a specific page

Home

Full Record Counter

Longitudinal Individual Participant Co...

Longitudinal Record Counter

Select a page above.

Welcome to the ARROW Data Counter ↔

Use the menu on the left to select a page.

Login

Home

Full Record Counter

Longitudinal Individual Participant Co...

Longitudinal Record Counter

Password



User must input correct
password to access filter

Record Counter (all three are similarly formatted)

[Home](#)
Full Record Counter
[Longitudinal Individual Participant Co...](#)
[Longitudinal Record Counter](#)

ARROW Data Counter

This page will count non-blank record counts for variables given specified criteria.

Enter criteria:

Select value/s for 'Participant Sex' (Leave blank to select all)

Choose an option ▼

Select value/s for 'Graft Type' (Leave blank to select all)

Choose an option ▼

Select value/s for 'Prior ACL?' (Leave blank to select all)

Choose an option ▼

Age Range Filter (Leave blank to select all)

Min Age (in years): - +

Max Age (in years): - +

Time Since Surgery Filter (Leave blank to select all)

TSS min (in months): - +

TSS max (in months): - +

☐ Include Only Results with a Long-Term Outcome

Apply Filters

Drop down options


Number input
field

Sample Filter Output

Counts of Non-Blank Records for Variables:

	Count
insurance_dashboard_use	45
ikdc	72
pedi_ikdc	4
marx	26
pedi_fabs	1
koos_pain	66
koos_sx	66
koos_adl	66
koos_sport	66
koos_qol	66
acl_rsi	67
tsk	5
rsi_score	31
rsi_emo	31
rsi_con	31

Returns count for
each variable based
on filters applied



Currently in the
process of adding a
dictionary to explain
each variable

Conclusion

This app enables researchers to effectively filter data with the following features:

- **Customized Filtering:** Researchers can apply filters tailored to variables relevant to their specific research
- **User-Friendly Navigation:** The intuitive interface ensures ease of use and seamless navigation
- **Security:** A password requirement ensures data confidentiality
- **Non-Blank Count Outputs:** The app returns non-blank counts for given filters, streamlining preprocessing, enhancing quality assessment, and promoting transparency for researchers