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ABOUT THE EACTS ADULT CARDIAC DATABASE

The purpose of this project is to encourage the improvement of clinical outcomes for patients, and to promote the importance of integrating quality enhancing initiatives in to daily clinical practice. Data extracts are submitted by cardiac units across Europe for the purpose of developing a benchmarking library where they are able to compare outcomes of like-for-like cases.

Regular European Adult Cardiac Surgical Benchmarking Database reports will be published annually, and bespoke reports will be provided for each contributing unit.



QUIP Adult Cardiac Database User Guide, version 2.2, 29-01-2018

EACTS House, Madeira Walk, Windsor SL4 1EU, UK Tel: +44 (0) 1753 832166 Email: info@eacts.co.uk Web: www.eacts.org

UPLOADING YOUR DATA

- 1. Go to https://hed.iweb-storage.com/login (secure FTP link)
- 2. Enter the provided user name and password for the FTP link
- 3. Once logged in, click on ADD FILES to upload your data (CSV, Excel or FlatFile format)

Any issues? Email EACTSFeedback@uhb.nhs.uk

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NEW FOLDER		
Folder name		

GETTING STARTED!

On the login screen, please enter your:

- 1. User name
- 2. Password

Trouble logging in? Email EACTSFeedback@uhb.nhs.uk



HOME

Once logged in, the "Home" page will display your name, the total number of evaluable cardio-thoracic procedures submitted by your hospital, and the years between which they were submitted.

You will also be able to see the number of records marked as inactive for inclusion in this tool - however, you can contact our technical team (EACTSFeedback@uhb.nhs.uk) for more information on why these records are inactive.

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ABOUT

Use the "About" page to keep up to date with changes and improvements to the Adult Cardiac Database. Also view information on:

- Countries currently contributing to the ACD
- The aims of the project
- How data is processed
- Pre-requisites of participation in the ACD

Use the contact details of the relevant personnel provided here, depending on your enquiry



DOWNLOADS & METRICS

In the "Downloads" section of this page, you can find a copy of the charter agreement, ACD data specification, data mapping document, and copies of previous EACTS QUIP News articles.

The "Metrics" section provides key definitions of variables and statistics referenced throughout the tool. An explanation of our current data validation process is also included here at the bottom of the metrics (please scroll down when on the page to view this).

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HOSPITAL SELECTION

Using this page, you can choose the hospitals you would like to include in the analysis based on:

- Volume of procedures
- Average monthly procedure volume
- Re-operation rate
- Average post-operative length of stay (days)
- In-hospital mortality rate



PATIENT PROFILE

Benchmark your hospital against all hospitals chosen from the "Hospital Selection" page by patient demographics, against the broad procedure class (e.g. CABG) or the detailed procedure class (on pump, off pump). Viewable patient demographics are:

- Age at operation
- Gender
- Operation urgency
- Logistic EuroSCORE

Hovering over bar segments will display the percentage and further information.



SCATTER VIEW

The "Scatter View" page allows for the selection of metrics on the x-axis and y-axis. It also includes an additional metric:

• Average logistic EuroSCORE (hover over points for the number of calculable logistic EuroSCOREs)

If you would like to change the selection of hospitals displayed on the scatter view, return to the "Hospital Selection" page. However, if you would like to re-determine the patient subset, use the filters displayed in the right hand side panel of the page.



PROCEDURE CLASS BREAKDOWN

Compare procedures from your hospital against all chosen hospitals, broken down into the broad procedure class or the detailed procedure class. The following metrics can be viewed here:

- Volume of procedures
- Re-operation rate
- Average post-operative length of stay (days)
- In-hospital mortality rate



SURVIVAL CURVES

The "Survival Curves" page shows Kaplan-Meier survival curves for all-cause mortality or mortality by procedure class within 30 days of operation. Post-discharge, patients are censored from this analysis.

All-cause mortality is displayed on one graph, whereas mortality by procedure class is displayed on two graphs of equal axes.

You can re-determine the patient subset on this page too, using the filters displayed in the right hand side panel.



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CLINICAL SUPPORT TOOL

The "Clinical Support Tool" finds representative outcome statistics on patients with specific comorbidities, for the type of procedure they will be undergoing. As EuroSCORE factors are defined using the dropdown options and filters displayed in the left hand side panel, the average monthly procedure volume graphic and the results table update to show real-time values based on all data contained in the ACD.

The "Clinical Support Tool" does not use hospital selections or filters applied in the previous pages. It searches the entire Adult Cardiac Database.



*** There are two modes of viewing procedures in the "Clinical Support Tool", the first by logistic EuroSCORE procedure category, and the second by procedure class (click the button to display a dropdown containing the procedure class filter). The two modes are coupled, e.g. CABG only + surgery on the aorta will display **no patients**.

If in doubt, scroll to the bottom of the filters and click the "Clear All Filters" button after each procedure viewing.

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PATIENT DETAILS

This page provides a patient level view of any procedures at **your hospital**, that fall under the current filtering options applied on the "Hospital Selection", "Scatter View" or "Survival Curves" page. Patient details from other hospitals cannot be seen.

When this button is clicked from under any filters displayed on the "Hospital Selection", "Scatter View" or "Survival Curves" page, the analysis moves to this page to show the results.

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- 20		www.webby.web		-among rear 10, 2012		.etc	contraction recently			19 570 of 19 570 open 10 m	adas 100 colones Adult Contas De

DATA COMPLETENESS

An overview of the completeness of the data submitted by **your hospital**. The completeness of the field is given as a percentage of the total row count, and is calculated so that if e.g. "Number of previous MIs" = 0 (none), then that record would not be used to calculate the completeness rate for "Type of most recent MI", because there was no previous MI.



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