

EXTRACTING DATA FROM TRAKCARE

This document serves as a brief reminder of how to extract data. For a more comprehensive document see SOP "New Results Extraction Report" – written by Heleen.

The extraction process:

1. Open Trak
2. Select "Reporting" Module
3. Select "Monthly Statistics"
4. Select "Results Listing"
5. Enter "Date From" and "Date To"
6. Enter "Business Region" – usually select "R6 – Western Cape and Northern Cape – WN"
 - a. if the results are only from GSH (&RXH) - under "Branch" select "B61 – WN Groote Schuur and Red Cross – WNGR"
7. Enter the tests you want to extract under "Manual Test and Test items" in the following format and press "Tab" key

NA;K;CL;HCO3;UREA;CRT;AMM;CA;MG;PO4;UA;TP;ALB;TBIL;CBIL;ALT;AST;ALP;GGT;LD;AMY;LIPASE;LIPIDS;CHOL;TG;APOA;APOB;LIPOA;LIPE;CRP;PCTS;TSH;FT4;FT3;VITE;UNA;UK;UCL;UUREA;UCREA;FAOB;HIVRS;FBC;DIFF;ANAFE;ADNAFE;INR;APTT;FIB;DATS;DATT;RET

- You need to use this format and know the test code
- If you make a transcription error or enter an invalid test code, it will reject the request. Therefore a good idea is to type the list in MS Word beforehand, copy and paste the list into the field, and if there is a mistake you won't have to type it all again because you can edit the Word document and re-copy and re-paste it.
- Once you enter tests into this field the "Discipline" field becomes non-mandatory (no longer highlighted blue).
- Subtest items eg. For Creatinine **C002(C0023)** can be specified and it will then **not** extract the auto-comments, which is useful sometimes when extracting large datasets. When using more than one analyte, use the following format:
 - **C002(C0023);C124(C0132);H095**
- If you need to use the "subtest codes" as above, you can look up codes on the codetables from: <http://172.20.5.4:57772/csp/reporting/login.htm>
 - Log in with your TrakCare Username and password and look up the respective codes.

OR

- Do a "dummy" extract of one or two days to get the respective codes to make sure they don't contain a
8. In "Hospital MRN" field, type the folder number of the patient (if you only need one patient's results)
 - a. I (Dieter) haven't had much success with extracting multiple "Hospital MRN" numbers. I have however successfully extracted multiple "TrakCare MRN" numbers by separating them with a semicolon:

9. Choose “Horizontal” or “Vertical” (Heleen suggests “Horizontal” *see discussion below* *)
10. Select “Non-reportable Items”
11. Select “Email of CSV” and enter your email address
12. Select “Print”
13. Do not exit these screens
14. The extraction takes time. For a lot of data it can take many hours.

Placing the data in an excel spreadsheet:

1. The CSV will be delivered to your email address – download it and save it on your computer
2. Open the CSV file
3. Select all
4. Open a blank Excel spreadsheet
5. Paste the data
6. Under “Data” tab select “Text to column” - Select “delimited” – Select “Other” and enter a pipe symbol or | into the field – select finish
7. Highlight the whole excel document and stretch the column border until the date appears
8. Delete unnecessary columns
9. Save

*** The difference between vertical and horizontal data:**

Horizontal places all results on one line per episode. Think of it that it creates a table of results.

- There is one episode per line
- Each individual test result occupies a separate column
- There are many redundant columns for the extra data of specimen type and result entry and authorisation dates and times

It's easier to count episodes; it's easier to see what's done per episode; it is more laborious to delete the redundant columns. I usually use this. (Heleen)

Vertical places each result (each "test item") in one line. It essentially creates a list of results.

- The episode number and patient details are repeated for each result
- All results of all tests are in a single column
- All the extra data of specimen type and result entry and authorisation dates and times are in 7 columns

It's very difficult to count specimens or patients; to view the results of just one test you'd have to filter on one test item name at a time; it doesn't make a good presentation format; it's easier to delete redundant data.

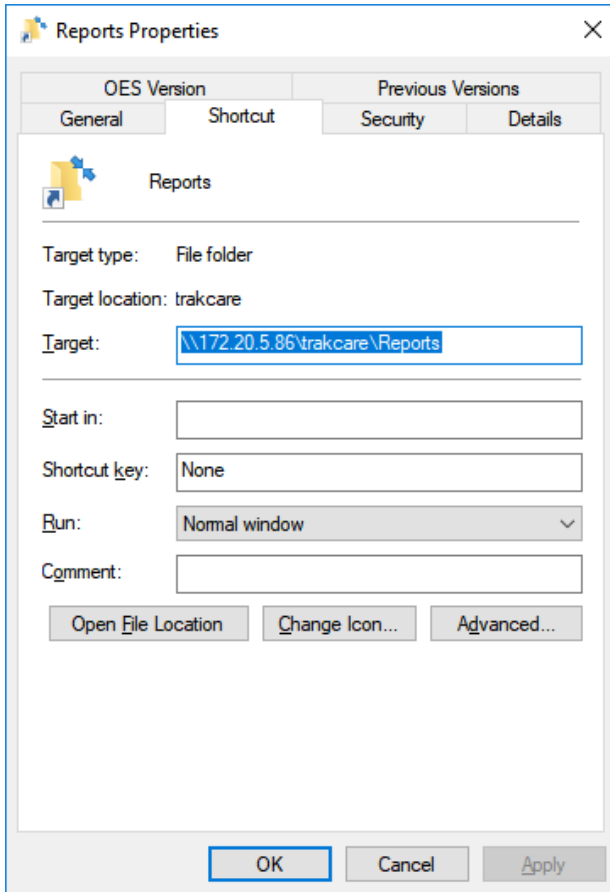
I (Dieter) usually use **vertical** listing extraction for stats because:

- It (the server) extracts results faster.
- Results are all in one column (Numerical in one column and the Qualitative results like Positive, Negative, Indeterminate, in another column)
- For me it's easier to analyse with statistical programs
- Not so difficult to link results of Episodes, however it does only extract data per episode for analytes which you have specified.
- I find that multiple extractions of single analytes are faster than a single extract with multiple analytes. I later merge the different datasets and then sort by episode number. This gives more control over extractions (small ones) as a large datasets sometimes can take weeks to generate from the server side, eg. Creatinine and Urea, for which there may be several thousands or even millions a month of.

Where to find results:

Create a link on your desktop, or wherever you want, to this address:

<\\172.20.5.86\trakcare\Reports> as such:



You will find your extract listed under your user site's folder under your Trakcare name, prefixed with: "Result_Listing_Extract_Vertical (or Horizontal)" as such:

> Network > 172.20.5.86 > trakcare > Reports > SA

	Name	Date modified	Type	Size
ces	Result_Listing_Extract_Vertical_jody.rusch2020-06-19and1627.csv	19/06/2020 16:29	CSV File	0 KB
	Overdue_Test_List_NEWmohau.mphuthi_19062020_1533.txt	19/06/2020 16:16	TXT File	1 KB
	NewOTL_helena.vreede_202006191600.xlsx	19/06/2020 16:02	Microsoft ...	8 KB
es	Overdue_Test_List_NEWhelena.vreede_19062020_1600.txt	19/06/2020 16:02	TXT File	1 KB
	NewOTL_mohau.mphuthi_202006191533.xlsx	19/06/2020 15:35	Microsoft ...	8 KB
	Overdue_Test_List_NEWthandiswa.eleni_19062020_1514.txt	19/06/2020 15:16	TXT File	1 KB
	NewOTL_thandiswa.eleni_202006191514.xlsx	19/06/2020 15:16	Microsoft ...	7 KB
J	Result_Listing_Extract_Horizontal_nawaal.adikary2020-06-19and1513.csv	19/06/2020 15:15	CSV File	0 KB
	Result_Listing_Extract_Horizontal_aviwe.kupa2020-06-19and1511.csv	19/06/2020 15:13	CSV File	0 KB

You will notice that the top CSV in the example above has a size of 0kb. That is because it is still busy extracting, hence I can see Jody is currently busy with an extraction.

When the extraction is complete, you may need to open the file with a text editor first, copy everything to the top left most cell in a blank Excel Sheet. Select Column A where you have pasted the data and go to the Data tab, then click "Text-to-Columns", select "Delimited" and select "Other" and type a pipe "|" as the delimiter. Click Finish.

Your data should then be in a suitable format in an Excel document.

Extractions sometimes takes quite long to complete, partly also depending on server load, i.e. I have found that extracting from 23h00 to 06h00 (after hours) goes the fastest.