WHONET

Standard Report



WHO Collaborating Centre for Surveillance of Antimicrobial Resistance

Boston, July 2022

Part 1. Quick Analysis and Standard Reports

Quick Analysis is a new analysis area in WHONET. The intent is to provide much of the benefit of the WHONET interactive analysis program, but with minimal time and effort. Users can choose from a few Standard Reports offered by WHONET or they may create their own reports for use within the laboratory or by clinical services in other hospital areas, such as infection control or pharmacy.

For this example, begin WHONET, open the "WHO Test Hospital", go to "Analysis" and select "Quick Analysis".

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A report is a collection of several analyses.	
You may define a new report or select one of the reports listed below.	
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Select "WHONET Standard report", and choose the w0195who.tst data file. Click on "Begin Analysis".

WHONET will perform multiple analyses on the selected data file(s), and prepare a multi-part overview of key results. A few of the sections are depicted below. (Note: The formatting and presentation of the standard report on the screen has not been optimized. This will be completed in the near future.)



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A - Summary B - Recommendations C - Data fields D - Organisms E - Antibiotic resistance F - Microbiological alerts G - Low frequency alerts H - Laboratory configuration I - Data file configuration J - Invalid records	Section C · Data fields Number of isolates = 631 Part 1 · Summary statistics Data field %Completed %Invalid Laboratory 100% 0% Identification number 99% 0% Date of birth 0.2% 0% Location 99% 0% Department 99% 0% Specimen number 99% 0% Specimen number 99% 0% Specimen number 99% 0% Specimen number 99% 0% Coganism 99% 0% Comment 0.2% 0% The following fields have no data. First name		
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A - Summary B - Recommendations C - Data fields D - Organisms E - Antibiotic resistance F - Microbiological alerts G - Low frequency alerts H - Laboratory configuration I - Data file configuration J - Invalid records	Section F - Microbiological alerts High priority TST 531949 6584 bsb Non-susceptible to penicillins TST 549472 253 bsb Non-susceptible to penicillins TST 406304 4274 bsf Non-susceptible to penicillins TST 413521 9444 nme Important species TST 544160 5487 nme Important species TST sau Non-susceptible to vancomycin, teicoplanin TST sau Non-susceptible to vancomycin, teicoplanin TST sau Non-susceptible to vancomycin, teicoplanin TST sau Non-susceptible to vancomycin, teicoplanin Medium priority TST 460939 5553 cfr Discordant penicillin and beta-lactam-+inhibi
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Part 2. Quick Analysis and User-defined Reports

Part 3 illustrated the use of a multi-part analysis to provide various types of information to the user. In this part, the creation of a new report format by the user is described. To take advantage of this option, you will need to create one or macros, as described earlier in Part 1.

In the Quick Analysis screen, click on "New". Give a name to the new report, for example "Weekly infection control report". On the left side of the screen, you will see the macros that you created earlier in Part 1. Select these macros over to the right side of the screen.

A report typically consists of multiple macros, but a report can also include other reports. In this way, you can build up more complete reports from smaller subreports.

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After you have selected the macros and reports to include in this report, click on Save. By default the name of this file will be "Weekly infection control report.rpt", and the file will be saved in c:\whonet\macros. After you save the report file, click on "Exit" to return to the main Quick Analysis screen.

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Choose the new report that you have just created. Choose the w0195who.tst data file. Change the "Output" destination to "Excel". WHONET will give the default name: "C:\whonet\Output\Weekly infection control report-2006-06-02.xls" to the file, *i.e.* the name of the report plus the date of creation.

Begin the analysis. When the analysis is complete you will be asked if you want to view the new Excel file. Click "Yes".



WHONET will now open Excel. If it does not pop up on the screen in front of you, check the list of open programs at the bottom of the screen to see if Excel is open. If so, click on Excel to see your results file.

Below is a portion of the Excel report created by WHONET. You will notice that the file has four worksheets. These correspond to the following four pages generated by the two macros selected for the report: 1. eco - %RIS, 2. sau - %RIS, 3. MRSA – Isolate listing, and 4. MRSA – Location summary.

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