WHONET

WHONET

WHO Collaborating Centre for Surveillance of Antimicrobial Resistance

The microbiology laboratory database software.

WHONET is a desktop Windows application for the management and analysis of microbiology laboratory data with a particular focus on antimicrobial resistance surveillance. WHONET, available in 28 languages, supports local, national, regional, and global surveillance efforts in over 2,300 hospital, public health, animal health, and food laboratories in over 130 countries worldwide.

Features include:

- Laboratory configuration
- Data entry and clinical reporting
- Data analysis and report generation
- Data exports to surveillance networks including WHO GLASS, EARS-Net, CAESAR, ReLAVRA, and JANIS
- Support for CLSI human (M100, M45, M60, M61, access free resources) and veterinary (VET03, VET04, VET06, and VET08) antimicrobial susceptibility test breakpoints
- Support for EUCAST human antimicrobial susceptibility test breakpoints. EUCAST veterinary breakpoints are in development.
- New option for saving WHONET data as SQLite files

WHONET also includes a data import module called BacLink for the capture and standardization

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Download

We offer both 32-bit and 64-bit versions of WHONET. Either version should work well for most users. The 32-bit version of Microsoft Office is more common in the world than the 64-bit version. So for this reason, we recommend the 32-bit version of WHONET for most users.

Online installation 32-bit (17.6 MB)
Offline installation 32-bit (142 MB)

Online installation 64-bit (19 MB)
Offline installation 64-bit (145 MB)

Build date: 2020-06-25
Version: 20.6.25

Additional versions
Please visit this link to troubleshoot installation problems.

WHONET Data platform

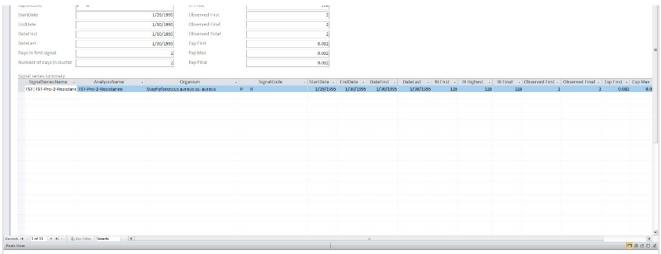
We are excited to announce that WHONET offers a new data structure option called SQLite, which offers many advantages over the simple dBASE structure that WHONET has used for many years including:

- Improved performance and faster analyses
- More sophisticated data file management
- Additional security features

Advantages of SQLite
Problems with dBASE

WHONET-SaTScan | Daily, Weekly, Monthly, Annual Reports

WHONET

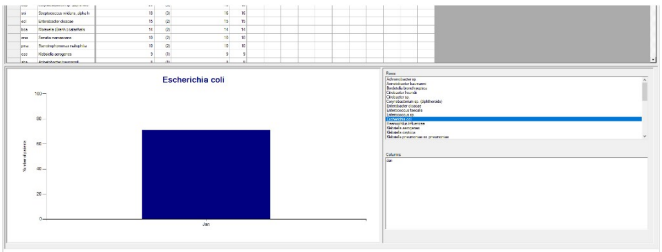


Cluster Alerts

For many years, WHONET has had the ability to present temporal trends in organism frequencies and resistance proportions in the form of descriptive statistics and graphs. The user could then examine these trends and graphs individually in efforts to detect and characterize possible community or hospital outbreaks of microorganisms. WHONET was not able to highlight potential clusters in an automatic fashion in order to focus the attention of the software user on possible outbreaks or to provide statistical guidance as to whether observed trends were statistically significant.

To facilitate the early and broad detection of possible outbreaks, we have integrated a powerful freeware tool developed for purposes of cluster detection in public health data.

SaTScan™, a trademark of Martin Kulldorf, was developed under the joint auspices of Martin Kulldorf, of the National Cancer Institute and of Farzad Mostarashi at the New York City Department of Health and Mental Hygiene. Dr. Kulldorf is an Associate



Isolate listings

Another useful feature of WHONET is the creation of lists of isolates or patients that meet certain criteria – for example a lists of patients with MRSA or positive blood cultures from the neonatal intensive care unit. WHONET can create such lists as well as summarize the results in a number of different ways.

Click on “Analysis type”, and select “Isolate listing and summary”. For the summary, by default WHONET will use the variable “Organism” for the rows and “Specimen date” by month for the columns.

For this tutorial, make one small change to the options. Next to specimen date appears the option “Month”. Because there is only one month of data to analyze in this tutorial, it will be more interesting to show the results by day or by week. Select the option “Day”. Leave the other options unchanged, and click “OK”. Click on “Begin analysis”. In this example, WHONET will show you a list of all isolates from the data set with Enterobacteriaceae, as below.

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Support for WHO-GLASS export

You can find additional information about GLASS below:

- **WHO-GLASS Export**
- Clinical data
- Laboratory data
- Epidemiological data

GLASS aims to combine clinical, laboratory and epidemiological data on pathogens that pose the greatest threats to health globally. The GLASS manual details the proposed approach for the early implementation of the surveillance system, that will focus on antibiotic-resistant bacteria, and outlines the flexible and incremental development of the system over time that will incorporate lessons learned from the early implementation phase.

http://www.who.int/glass/

Try our support services and let one of our professionals assist you with your setup.

Request Support!

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