# ANACoD version 1.1

# Analysing mortality level and cause-of-death data

# About this mortality tool

# The “Analysing mortality levels and causes-of-death” (ANACoD) electronic tool provides a step-by-step approach to enables users to quickly conduct a comprehensive analysis of data on mortality levels and causes of death. The tool automatically reviews the data for errors, tabulates the information, presents the results in the form of easy to use tables and charts, and provides the opportunity to compare the findings with those from other groups of countries

# Quick start

After downloading the zipped folder from the web site, unzip and move the files to a directory on your hard drive. The ANACoD tool is an Excel-based application with a size of about 7 MB once unzipped. Users are expected to have some basic Excel skills to operate the tool efficiently.

Use Excel to open ANACoD. Some Excel versions, particularly the latest ones would prompt a message to request macros to be enabled. Kindly ensure you have the macros enabled as instructed otherwise the tool will not work.

You would need to have a cause-of-death data set prepared as in the format shown in sheet “step0-Input data”, row 19. The population data should be in the format as shown in row 13 of the same sheet.

Note that the tool analyses only one year of data per country. For e.g. you are able to analyse data for country named “CCC” for year 2010. If you wish to analyse more than one year of data, you would need to run the tool several times and each time with the corresponding mortality and population data per year. The tool handles only mortality data as coded to either the 3 or 4 characters of the ICD-10.

When you have your data sets ready for input, go to sheet “step0-Input data”. Where the fields are marked in grey, it indicates that you need to select or input data. Start by

* Selecting the country in row 4
* Entering the year in row 5 (use format “XXXX”)
* Selecting the source of data in row 6
* Selecting the ICD level used in row 7
* Entering the source of population data in row 11 (any text format)

Then input the population data in cell E14 and adjacent cells as indicated. Finally paste your cause-of-death data as from row 20, starting in cell B20. Note that the ICD codes should not contain a “.”, for e.g. A15.9 should be A159 for the tool to work.

Note that the oldest age-group for both the population and cause-of-death data could either be 85 years and above or 95 years and above. The tool will eventually aggregate them all to 85 years and above.

For further information on the analyses contained in each sheet, click on the button “Guidance” located on the top right of each sheet.

If you notice you have entered the data wrongly and wish to start all over again, click on the button “Clear data” on the top right of the sheet “Step0-Input data”. Only this sheet is intended for users to input data. The remaining sheets automatically generate results of all the step-by-step analyses.

# Obtaining results

After inputting the data, click on sheet “Step1-check first”. Wait for a few seconds before results will be shown in all the remaining sheets.

A summary of the analyses can be printed from sheet “Summary”.

# In case of problems

For any questions on how to operate the tool, kindly send an email to [mafatd@who.int](mailto:mafatd@who.int) stating the nature of the problems encountered, the Excel version used and your contact details and affiliation.

# Disclaimer

This tool is freely available for public use. However, requests for permission to translate or draw material from the tool should be addressed to WHO, Department of Health Statistics and information Systems, 20 Avenue Appia, 1211 Geneva 27, Switzerland, or emailed to healthstat@who.int. Responsibility for interpretation of the results of the use of the ANACoD tool lies entirely with the user. WHO cannot be held responsible for any misuse of the tool. Any use of the data currently integrated in the tool should be referenced as indicated therein.

# Suggested citation for the tool

World Health Organization (2013). Analysing mortality levels and causes-of-death (ANACoD) Electronic Tool, Version 1.1. Department of Health Statistics and Information Systems, WHO, Geneva, Switzerland.