International Agency for Research on Cancer
(IARC/WHO)

IARC/MECC/NCI TRAINING COURSE ON CanReg-5 SOFTWARE

Istanbul
Turkey

9-12 June 2009

PROGRAMME

Middle-East Cancer Consortium (MECC)
US National Cancer Institute (NCI)

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Scientific Program

The aim of this course is to consolidate the beta version of CanReg5 through a practical training with the MECC countries and Turkish cancer registries. This will result in improving usability of CanReg5 in accordance with their regional needs and in having a standard variables data format comparable to the other cancer registries. Finally, it will provide a user- friendly version to all population-based cancer registries.

Tuesday 9 June, 2009

09h00 **OFFICIAL OPENING** — **M. Silbermann/H. Anton-Culver/ J. Young/S. Eser**

09h30 **Introduction to CanReg5** — **M. Ervik/M.-P. Curado**

(Lecture – no computers needed)
This section introduces the CanReg project and its functionality

The CanReg5 project
Why Open Source
Timeline (Survey, Design, Implementation, Testing)
The Future
The functionality of CanReg5 in brief

A brief overview over the functions provided by CanReg5

11h00 **COFFEE BREAK**

11h30 **Installation of CanReg5** — **M. Ervik/M.-P. Curado**

The goal of this section is to teach how the user can get hold of the CanReg installation files, install the program on their computer, convert their CanReg4 system (or use the default system) and start using CanReg5.

Getting hold of CanReg5

Installing the programme
Converting CanReg4 - to CanReg5 system definitions
Installing CanReg5 if you don't have CanReg4 (TRN)
Installing system definitions

(After each subsection, computers needed for exercises)

13h00 **LUNCH**

14h00 **Configuration of CanReg5** — **M. Ervik /M.-P. Curado**

The goal of this section is to teach how the user can adapt certain aspects of the CanReg program to their needs.

Set up CanReg to run in a computer network

Options

Language (including a brief overview of the language files, to show how interested parties can translate CanReg to their own language.)
Automatic backup
Check for latest version

(Computers needed for exercises after most subsections. For the network exercise, it would be interesting to have a network, but not 100% necessary).

15h00	**Summary and recommendations**	**S. Marshall**
	A questionnaire and a list with the modules contents asking if it works: Yes or No and Open comments-	
15h30	**TEA BREAK**	
16h00	**Cleaning data in CanReg4/Consistency and quality**	**H. Anton-Culver**
Treatment	**and patient follow –up**	**J. Young/K. Ward**
17h30	**END OF SESSION**	

Wednesday 10 June, 2009

09h00 **Data Entry in CanReg5** **M. Ervik/M.-P. Curado**

The goal of this section is to show how you get data into CanReg5. This entails import of data, manual input of data and dictionary editing as well as quality control of entered data.

Importing data with CanReg5
Getting the data from CanReg4 to CanReg5
General import of cases

Working with dictionaries in CanReg5 (I)
Getting the dictionary from CanReg4 to CanReg5
Editing the dictionary

(After each subsection, computers needed for exercises)

11h00 **COFFEE BREAK**

11h30 **Data Entry in CanReg5 (cont'd)** **M. Ervik/M.-P. Curado**

Manual input of data
Editing old records
Adding new records
Running consistency edits/checks to validate the new data entered.
Perform person search on newly entered cases to detect possible duplicate patients.
Apply the multiple primary rules.
Confirm the record or leave it pending.

(After each subsection, computers needed for exercises + code manuals)

13h00 **LUNCH**

14h00 **Data Entry in CanReg5 (cont'd)** **M. Ervik/M.-P. Curado**

Exercises continued (computers needed)

15h00 **Summary and recommendations** **S. Marshall**

15h30 **TEA BREAK**

16h00 **Multiples primary rules**
Edit checks **H. Anton-Culver**
Errors -what kind of listing of dictionary of errors **K. Ward**
Examples of data distribution **J. Young**
S. Marshall

17h30 **END OF SESSION**

Thursday 11 June, 2009

09h00 **Basic analysis in CanReg5** **M. Ervik/M.-P. Curado/S. Marshall**

The goal of this section is to show how the user can do basic analysis in CanReg5.
Frequencies by year
Population data sets
Incidence rates

(Computers needed for exercises after each subsection)

11h00 **COFFEE BREAK**

11h30 **Exporting data with CanReg5** **M. Ervik/M.-P. Curado/S. Marshall**

The goal of this section is to show how the user can do more advanced analysis with data from CanReg5.

Export all data
Export data for reports
Export data for spreadsheets (i.e. Excel).

Hands on computer/ SEER /Statistical data

(Computers needed for exercises after each subsection)

13h00 **LUNCH**

14h00 **CanReg5 system management** **M. Ervik/M.-P. Curado**

The goal of this section is to show how the supervisor of a system can manage a CanReg5 installation.

Manage users, userlevels and passwords.
Back up and restore the CanReg5 database.

(Computers needed for exercises after this section)

CanReg5 system definitions

The goal of this section is to show how to modify the system definition files of CanReg5, for example adding a variable, adding a dictionary.

Browsing the system definition file, the structure explained
Editing the system definition file
Adding a variable
Examples: Death certificate (Cause of Death), Treatment
Adding a dictionary
Rebuilding the database using the new system definition file.

15h00	**Summary and recommendations**	**S. Marshall**
15h30	**TEA BREAK**	
16h00	**Training on doing statistical analysis on cancer Database using SEER/STAT**	**S. Marshall /K. Ward**
17h30	**END OF SESSION**	

Friday 12 June 2009

09h00	**Data quality evaluation**	**H. Anton-Culver/J. Young**

Examples/MECC/Manual Register
Frequency of cases by source of information
Frequency year
Death certificate proportion
Unknown age
Basis of diagnosis
Number of diagnosis by source of information
Rates /crude/asr/cumulative/specific

11h00	**COFFEE BREAK**	
11h30	**Report contents**	**H. Anton-Culver/J. Young/M.-P. Curado**

Geographical coverage
Population structure
Source of information
Number of cases by year and gender
ASR(W) rates/gender
Most common cancers
Childhood cancers
Standard report (examples)
Data submission

13h00	**LUNCH**	
14h00	**General discussion**	**All Faculty**
16h00	**Summary**	**H. Anton-Culver**
	Recommendations and decisions	**M. Silberman** **J. Harford** **J young** **Kevin Ward** **Morten Ervik** **MPCurado**
17h30	**CLOSE OF MEETING**	