ECDC HIV Estimates Accuracy Tool User Manual

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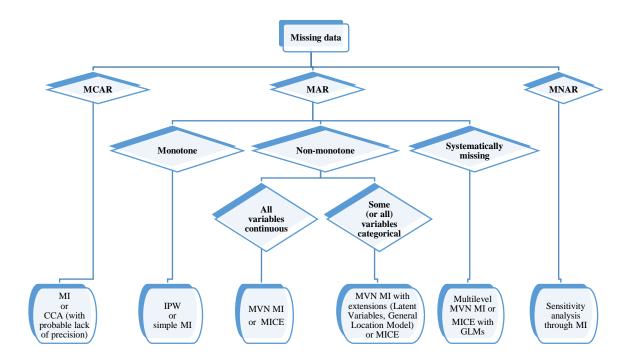
Annex 1. Country codes

1. Introduction

1.1	.1. Missing values	
	a) data missing completely at random MC	CAR
	b) data missing at random (MAR)	
	a) data missing not at random (NANAD)	
	c) data missing not at random (MNAR)	
		monotone missingness pattern
	multiple imputations (MI)	
	multiple imputations (MI)	

Rubin's rules	
	an imputation model
The multivariate normal imputation	
chained equations, MICE)	full conditional specification method (MI by
multilevel multiple imputation	

Figure 1. Appropriate methods to deal with missing data depending on the characteristics of the missing data

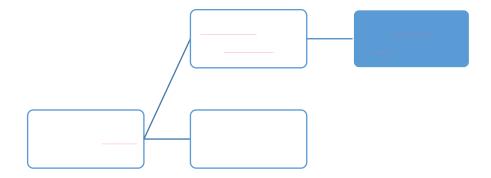


Acceptable levels of missingness

1.2.

batch reporting

Figure 2. Appropriate methods to deal with reporting delays



2.	Methods	used in	the HIV	Estimates	Accuracy	Tool

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gender (single imputation

imputation model

cubic spline

burn-in

2.2. Selecting appropriate MI method and parameter values
The number of imputed datasets
The number of burn-in iterations
The number of iteration between the subsequent imputations

2.3.	Methods used for reporting delay

time transform

reverse

3. Data preparation

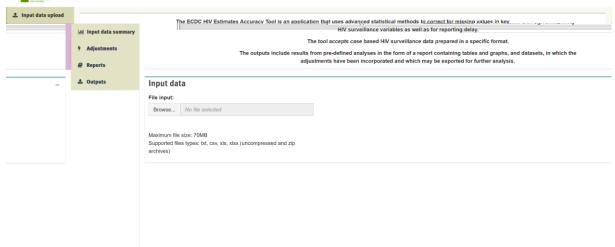
Attribute/variable name	Description (as in TESSY metadata set 36 HotFix5)	Required values

	<u>></u>
	<u>></u>
	<u>></u>

4. Installation and technical details

4.1.	Prerequisites		
4.0	Installations		
4.2.	Installations		
		_	





4.3. Update

4.4. Support

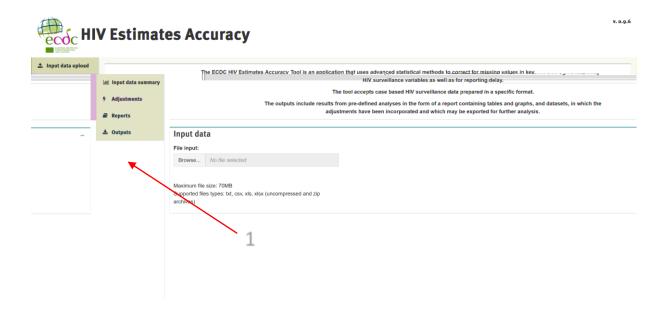
For technical support and reporting problems please contact

5. Using the tool

hivEstimatesAccuracy::RunApp()

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- •
- •
- •

5.1. Data upload



Attributes mapping widow column

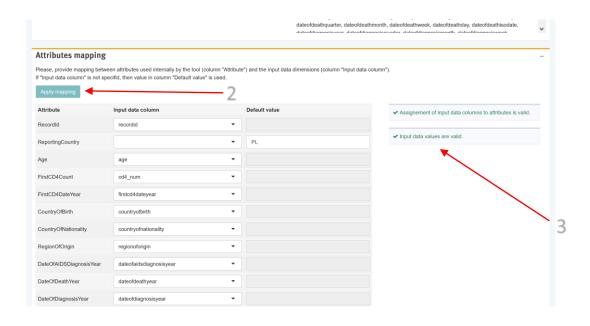
"Attribute"

column "Input Data"

"Default value"

NA

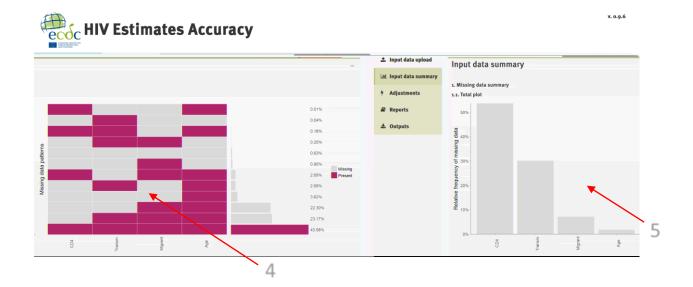
"Apply mapping"



5.2. Input data summary

Summary input data window

summary of missing values

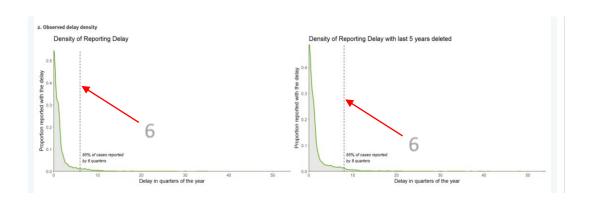


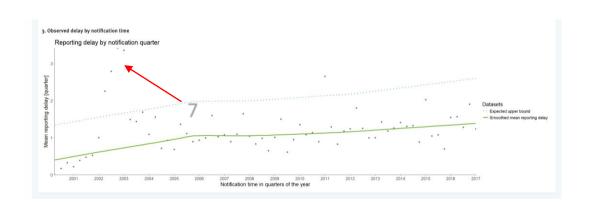
Interpretation

monotone or heterogeneous

not missing completely at random

reporting delay





Interpretation

right truncation

cleaning event

5.3. Making adjustments

Adjustments tab



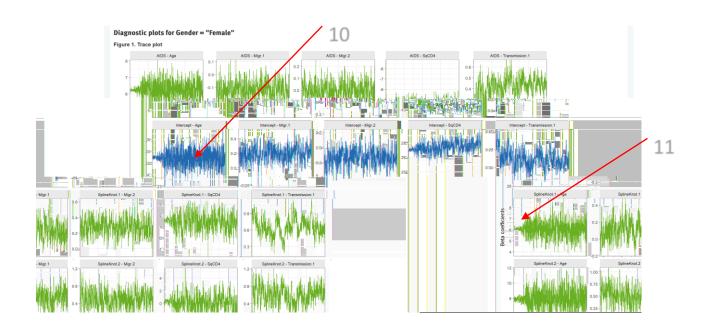
HIV Estimates Accuracy

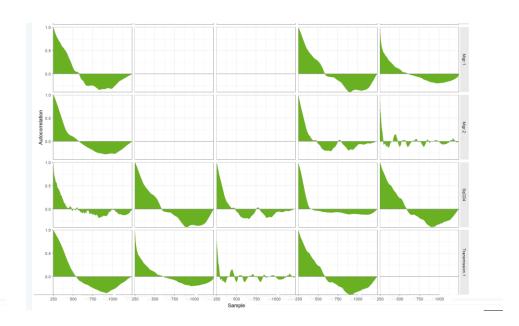


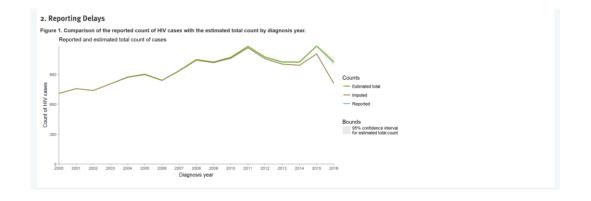
time needed

diagnostic plots

trace plots







5.4. Creating reports

Reports tab

Edit

parameters

html, Word or Latex

5.5. Exporting of the data

Outputs tab

6. Tool settings

Annex 1. Country codes