

## Biograph functions and the functions they call

December 2013

This is a list of Biograph functions. A function may call other functions of Biograph or other packages in CRAN

Function	calls	Function	calls
Agetrans	date.b locpath	Lexispoints	TransitionAB Lexis (Epi) Lexis.diagram (Epi) ggplot2 check.par date.b TransitionAB
Biograph.long	Parameters locpath reshape check.par reshape check.par	Lexis.points	
Biograph.msm	Parameters Biograph.long Remove.intrastate Biograph.long	MSLT.e MSLT.S NLOG98 Occup	MatrixExp (msm)
Biograph.mvna			check.par Parameters state_age state_time locpath
ChangeObservationWindow.e ChangeObservationWindow.t	check.par locpath	OverviewEpisodes OverviewTransitions SamplePath	Parameters statesequence.ind locpath date.b AgeTrans StateSpace transitions Parameters StateSpace
Cumrates	Biograph.mvna mvna (mvna) predict (mvna) locpath Remove.intrastate statesequence.ind Occup Trans RateTable Rates.ac locpath GLHS.trans	Parameters  check.par  plot.cumrates plot.MSLT.S  plot.occup	ggplot (ggplot2) melt (reshape) ggplot (ggplot2) Occup reshape
GLHS.IllnessDeath			
GLHS.Biograph	GLHS.txt_to_R locpath Parameters	Rates.ac RateTable Remove.intrastate Sequences Sequences.ind Sequences.ind.0 state_age	transitions AgeTrans check.par
GLHS.txt_to_R GLHS.trans Lexis.lines	ggplot2 check.par date.b Biograph.long date.convert Lexis (Epi) rainbow locpath Parameters.check Lexis (Epi) splitLexis (Epi) timeBand (Epi) Lexis.diagram (Epi) Surv (Survival)	StateSpace state_time  Trans  TransitionAB transitions	AgeTrans state_age  AgeTrans statesequence.ind locpath check.par stringf
Utilities in Biograph			
1. Dates		2. Text	
Function	calls	Function	calls
age.as.Date age.as.year cmc.as.age cmc.as.Date cmc.as.year Date.as.age Date.as.year Date.as.cmc date.b		check.par  pos.char pos.charstr string.blank.omit stringf	Parameters StateSpace stringf stringf
date.convert	locpath date.convert cmc.as.Date Date.as.year cmc.as.year year.as.Date	3. Other	calls
		Function	
year.as.age year.as.cmc year.as.Date		locpath	