Subject: Re: Using tfr2 to Calculate age specific marital fertility rate
Posted by schoumaker on Sun, 19 Nov 2017 07:36:38 GMT
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Thanks for your feedback,

for non-marital fertility rates:

You are right, the reported time period is not correct.

You should specify that the rates are to be estimated only if dates>entry. You will get the same rates, but the time period will be correct. I had not anticipated this use of tfr2 - and I will correct it in a further version.

tfr2 if dates>entry, entry(entry) dates(dates)

If you get the message "maximum number of iterations exceded", this is probably because there are no events in some age groups. tfr2 uses Poisson regression and will run into this kind of problems with small samples.

You could use tabexp

tabexp if dates>entry, entry(entry) dates(dates) rates

You will get the number of events, exposure, and rates in each age groups (computed by dividing events by exposure).

if you find the number of events is 0 in th upper age groups, you could restrict you analyses with tfr2 to a smaller age range (for instance 15-39).

For instance

tfr2 if dates>entry, entry(entry) dates(dates) mina(15) maxa(39)


For marital fertility rates, When you select v501==1 | v502==2, check if these categories refer to women in union.


Best,

Bruno