

---

Subject: Re: Calculating fertility rates

Posted by [schoumaker](#) on Mon, 18 Mar 2024 17:38:02 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Thank you for your reply. I think you should avoid doing this with tfr2, which was not conceived for this type of analyses.

Given that the survey dates differ may widely (even with the most recent surveys), your fertility rates will refer to different periods. Moreover, the Ethiopia survey uses another calendar, that needs to be takes into account. In addition, if you want to obtain fertility rates for the entire set of countries, youd would need to compute and use weights that reflect the size of the women's population in these countries.

Maybe a more careful approach would be to use tabexp to compute the number of births and exposure by age groups, for each survey separately, and combine them afterwards (with weights, and having in mind that they refer to different time periods). tabexp (and tfr2) also allow defining the end year of the estimation period. For instance, if you want compute rates for the 3 years up to 2019 (included), you can use tfr2, length(3) endy(2019), or tabexp, length(3) endy(2019). This makes it possible to compute rates for the same time periods in various surveys, but you would lose some cases at higher ages in some surveys.

Best regards,

Bruno

---