
Subject: Re: Survival status of preceding birth
Posted by [Janet-DHS](#) on Wed, 12 Oct 2022 16:17:34 GMT
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Following is a response from DHS staff member Tom Pullum:

Your question is outside the range of the DHS users forum but I already had a program to merge successive siblings and I just needed to adapt it for your purposes. I have modified your outcome variable, but just by omitting cases of type 3. Because most deaths occur at a very early age, there are many more cases of type 1 than of type 2.

- * Program to construct pairs of children, a reference child plus next earlier sibling
- * This example does not include the mother's variables

* b3 is cmc of birth

* b7 is (imputed) months of age at death.

* b11 is the interval between the two siblings, in months

* Specify a path to a workspace
cd e:\DHS\DHS_data\scratch

```
use v001 v002 v003 v008 b* using "...BDBR7RFL.DTA", clear
```

- * To get b7r, add 6 months if b7 is ≥ 24 and a multiple of 12.
- * Do not change if the change would be later than the date of interview.

```
gen b7r=b7
```

```
replace b7r=b7+6 if b7 $\geq$ 24 & b7==12*int(b7/12) & b7+6<v008
```

```
egen sibsize=count(bidx),by(v001 v002 v003)
```

- * construct two files, one for the younger child in a pair and one for the older child
- ```
sort v001 v002 v003 bidx
save temp_younger.dta, replace
```

```
rename b* b*_sib
```

- \* attach the child with bidx=2 to the child with bidx=1
- \* attach the child with bidx=3 to the child with bidx=2
- \* etc.

```
gen bidx=bidx_sib-1
```

```
sort v001 v002 v003 bidx
merge v001 v002 v003 bidx using temp_younger.dta
tab _merge
```

\* the child with bidx=1 does not get attached to a younger sibling  
\* the child with bidx=sibsize does not get attached to an older sibling  
\* remove these two types of cases  
drop if bidx==0 | bidx\_sib==.

tab \_merge  
drop \_merge

keep v001 v002 v003 bidx\* b0\* b3\* b4\* b5\* b7\* b11

gen sib\_died=.  
replace sib\_died=0 if b5\_sib==1  
replace sib\_died=1 if b5\_sib==0 & b3\_sib+b7r\_sib<b3-9  
replace sib\_died=2 if b5\_sib==0 & b3\_sib+b7r\_sib>=b3-9

label variable sib\_died "Outcome for younger sib"  
label define sib\_died 0 "Alive" 1 "Died before" 2 "Died after"  
label values sib\_died sib\_died

\* "before" and "after" are relative to the month of conception of the reference child

order v001 v002 v003 bidx\* b0\* b3\* b4\* b5\* b7\_sib b7r\_sib sib\_died

list v001 v002 v003 bidx\* b0\* b3\* b4\* b7\_sib b7r\_sib b11 sib\_died if \_n<=50, table clean  
compress  
tab sib\_died

\* save with some filename and then merge with the BR or KR file to get weights and other variables