
Subject: Infant Mortality-DHS Guide is not help enough

Posted by [LJ02](#) on Sun, 18 Mar 2018 14:00:50 GMT

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Hi,

I am trying to calculate Infant mortality and even though I've the Guide a thousand time I seem to be missing something, because my results do not match the final report:

I am using R code, but it's really not about the code, but about the understanding of how to define the cohorts, the nominator and the denominator:

##Variables I use:

#b3:date of birth in CMC

#b5: Child Alive? yes=1, no=0

#b7:age at death in month

#b13=flag for age of death

#sweights = sample weights

#v008 date of interview

#v024:state id's

#Reference Period:

Reference Period:Five years (60 month) before survey/interview->upper limit(tu=v008-1) ; lower limit(tl=v008-1-60)

#Cohortes (as an example age segment=0 month & 1-2 month)

cohort_a_null_month= b3>=(v008-1-60)-0 & b3<=(v008-1-60)-0

cohort_b_null_month= b3>=(v008-1-60)-0 & b3<=(v008-1)-0

cohort_c_null_month= ifelse(b3>=(v008-1)-0 & b3<=(v008-1)-0

cohort_a_one_two_month= b3>=(v008-1-60)- & b3<=(v008-1-60)-1

cohort_b_one_two_month=b3>=(v008-1-60)-1 & b3<=(v008-1)-2 cohort_c_one_two_month= b3>=(v008-1)-2 & b3<=(v008-1)-1

definition of deaths in cohorts(as an example age segment=0 month & 1-2 month)

cohort_a_null_month_deaths= children belong to cohort_a_null_month & b7==0 & b5==0

cohort_b_null_month_deaths= children belong to cohort_b_null_month & b7==0& b5==0

cohort_c_null_moths_deaths= children belong to cohort_c_null_month & b7==0& b5==0

cohort_a_one_two_month_deaths= children belong to cohort_a_one_two_month & b7>=1 & b7<=2& b5==0

cohort_b_one_two_month_deaths= children belong to cohort_b_one_two_month & b7>=1 & b7<=2& b5==0

cohort_c_one_two_month_deaths=children belong to cohort_b_one_two_month & b7>=1 & b7<=2& b5==0

#definition of survivors in cohorts(as an example age segment=0 month & 1-2 month)

cohort_a_null_month_survivors= children belong to cohort_a_null_month& b5==1 or children belong to cohort_a_null_month & b7>0

cohort_b_null_month_survivors= children belong to cohort_b_null_month & b5==1 or children belong to cohort_b_null_month & b7>0

cohort_c_null_month_survivors= children belong to cohort_c_null_month & b5==1 or children belong to cohort_c_null_month & b7>0

cohort_a_one_two_month survivors= children belong to cohort_a_one_two_month & b5==1 or children belong to cohort_a_one_two_month & b7>1

cohort_b_one_two_month survivors=
cohort_b_one_two_month & b5==1 or children belong to cohort_b_one_two_month & b7>1

cohort_c_one_two_month survivors= children belong to cohort_c_one_two_month & b5==1 or children belong to cohort_c_one_two_month & b7>1

numerators: as example for age segment=0

numerator for age segment 0= sums of (0.5* sums of cohort_a_null_month_deaths per individual state)+ sum of cohort_b_null_month_deaths per individual state+ sum of cohort_c_null_month_deaths per individual

denominators: as example for age segment=0

denominator for age segment 0= sums of (0.5* sums of cohort_a_null_month_survivors per individual state)+ sum of cohort_b_null_month_survivors per individual state+ sum of cohort_c_null_month_survivors per individual

Could you please tell me what I'm missing here?
