Subject: Re: Tuberculosis and Childhood Tuberculosis
Posted by NKS on Wed, 08 Jun 2022 07:27:27 GMT
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Thank you for the quick response.

I have already applied the state weight and IW. The number of usual residents for states which is "N" is matching with the state report while point prevalence by age-group and gender is not. For instance, point prevalence among <15 years for UP was estimated as 34/100,000 from the data but in the report, it is 356/100,000.

Here is the full command of STATA, which I have employed for the state of Uttar Pradesh (if hv024==9):

```
gen tb_mtreated =0
replace tb_mtreated =1 if  sh29aa>=1 & sh29aa<=3
proportion tb_mtreated if hv102==1 [iw=hv005/1000000]

recode hv105 (0/14=1 "0-14 years") (15/59=2 "15-59 years") (else=3 ">=60 years"), gen (age)

proportion tb_mtreated if hv102==1 & hv024==9 [iw=shweight/1000000], over (age)
proportion tb_mtreated if hv102==1 & hv024==9 [iw=shweight/1000000], over (hv104)
proportion tb_mtreated if hv102==1 & hv024==9 [iw=shweight/1000000]
```

//Results from STATA//

```
proportion tb_mtreated if hv102==1 & hv024==9 [iw=shweight/1000000], over (age)

Proportion estimation           Number of obs   =    364,194

_prop_1: tb_mtreated = 0
_prop_2: tb_mtreated = 1

_subpop_1: age = <15
_subpop_2: age = 15-59
_subpop_3: age = >=60


Over  Proportion   Std. Err.     [95% Conf. Interval]

_prop_1
_subpop_1    .9996582   .0000553      .9995307    .9997511
_subpop_2    .9975473   .0001065      .9973295    .9977473
_subpop_3     .994669   .0003812      .9938673    .9953665

_prop_2
_subpop_1    .0003418   .0000553      .0002489    .0004693
_subpop_2    .0024527   .0001065      .0022527    .0026705
```

_subpop_3 .005331 .0003812 .0046335 .0061327

Request you to kindly look at the discrepancies.