Tips on YTS

Notes for analysis:

YTS uses a complex sampling design that must be taken into account in the analysis. This can be done with any of the major statistical packages (e.g. SAS, SPSS, R, Stata). For YTS, there are three variables that are essential to use in the analysis. See below for examples of code.

Stratification variable: STRATUM

Clustering variable: PSU

Weighting variable: FINAL_WEIGHT

HHDW protocol is to code all 'Don't Know / Not Sure / Refused / Missing" or "Unknown" values as missing.

Notes for reporting:

Estimates are considered unstable and cannot be reported if:

- The unweighted total responses to a question <50

Only weighted data can be released in a report – weighted counts, weighted rates, etc. Unweighted data should not be reported.

Additional resources:

YTS Home Page

YTS Handbook

Suggested citation:

Hawaii Health Data Warehouse; State of Hawaii, Hawaii School Health Survey: Youth Tobacco Survey Module (YTS), (appropriate data year or years)

Sample code for analysis:

The YTS sample design includes stratification, clustering, and weighting, each of which must be accounted for in the analysis. These are the stratification, clustering, and weighting variables:

Stratification variable: STRATUM

Clustering variable: PSU

Weighting variable: FINAL_WEIGHT

SAS

```
PROC surveyfreq (or surveymeans);
strata STRATUM;
cluster PSU;
weight FINAL_WEIGHT;
```

SPSS

```
CSPLAN ANALYSIS
/PLAN FILE='plan location'
/PLANVARS ANALYSISWEIGHT= FINAL_WEIGHT
/PRINT PLAN
/DESIGN STRATA= STRATUM CLUSTER=PSU
/ESTIMATOR TYPE=WR.
```

SUDAAN

```
PROC crosstab;
Nest STRATUM PSU;
Weight FINAL_WEIGHT;
```

STATA

```
Svyset PSU [pweight= FINAL_WEIGHT],
strata(STRATUM)
```