

Tips on YRBS



Notes for analysis:

YRBS 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 YRBS, 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: YRBSS_WEIGHT

HHDW protocol is to code all 'Don't Know / Not Sure / Refused / Missing' or "Unknown" values as missing. An exception to this is for questions on sexual identity for which 'Not sure' is left as a valid response.

Notes for reporting:

Estimates are considered unstable and cannot be reported if:

- The unweighted total responses to a question <100

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

Additional resources:

[YRBS Home Page](#)

[YRBS Data User's Guide](#) (For individual years)

[YRBS Combined Datasets User's Guide](#) (For the data sets that include multiple years)

Suggested citation:

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

Sample code for analysis:

The YRBS 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: YRBSS_WEIGHT

SAS

```
PROC surveyfreq (or surveymeans);
```

```
strata STRATUM;
```

```
cluster PSU;
```

```
weight YRBSS_WEIGHT;
```

SPSS

```
CSPLAN ANALYSIS
```

```
/PLAN FILE='plan location'
```

```
/PLANVARS ANALYSISWEIGHT=YRBSS_WEIGHT
```

```
/PRINT PLAN
```

```
/DESIGN STRATA= STRATUM CLUSTER=PSU
```

```
/ESTIMATOR TYPE=WR.
```

SUDAAN

```
PROC crosstab;
```

```
Nest STRATUM PSU;
```

```
Weight YRBSS_WEIGHT;
```

STATA

```
Svyset PSU [pweight=YRBSS_WEIGHT],
```

```
strata(STRATUM)
```