

## Data Source Overview

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### Data Source: Vitals

**Original Source:** Office of Health Status Monitoring

**Website:** <http://www.hawaii.gov/health/statistics/vital-statistics/index.html>

### Contact Information:

Brian Horuichi  
(808) 586-4733  
brian.horiuchi@doh.hawaii.gov  
*Data Set: **Birth***

### Description:

Information captured by the Department of Health (DOH) from the issuance of Birth Certificates. The Birth Record holds vital information about the baby and the mother, like birth weight, facility and ethnicity.

### Granularity:

The grain of this dataset is individual Birth Certificate Number. The related dimensions are Age and Demographics of Mother and Father, Census Block/ Census Tract/Zip of Birth Location and Mother Residence, Date, Facility, Gender, Person identification of Mother and Father, Race of Child, Mother and Father

### Number of Records Per Year:

2000 - 17,644  
2001 - 17,130  
2002 - 17,516  
2003 - 18,141  
2004 - 18,299  
2005 - 17,922  
2006 - 18,986

### Data Notes:

- \* Includes adopted babies as well. Mother information for adopted baby records is the adopting mother, not the birth mother.
- \* Cell size restriction: Numerator (number of cases) 5 or less

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*Data Set:* **Death**

### Description:

Information captured by the Department of Health (DOH) from the issuance of Death Certificates.

### Granularity:

The grain of this dataset is individual Death Certificate Number. The related dimensions are Age, Census Block/ Census Tract/Zip of Residence, Date of Birth and Death, Facility, Gender, Person identification, Person Demographics, Race, Zip of Location of Death

### Number of Records Per Year:

2000 - 8,485  
2001 - 8,581  
2002 - 8,960  
2003 - 9,153  
2004 - 9,219  
2005 - 9,301  
2006 - 9,601

### Data Notes:

- \* Does not include those individuals who died from HIV/AIDs.
- \* Cell size restriction: Numerator (number of cases) 5 or less

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*Data Set: ITOPS*

### Description:

Information captured by the Department of Health (DOH) regarding the occurrences of abortions.

### Granularity:

The grain of this dataset is individual ITOPS Certificate Number. The related dimensions are Age of Patient and Spouse, Census Tract/County of termination, Date of termination, Facility, Person Demographics of Patient and Spouse, Race of Patient and Spouse

### Number of Records Per Year:

2000 - 3,941  
2001 - 3,998  
2002 - 3,924  
2003 - 3,608  
2004 - 3,469  
2005 - 3,827  
2006 - 3,987

### Data Notes:

For ITOPS data, data is not always complete due to its sensitive nature.

\* For ITOPS data, "Spouse" data includes father data, which is not necessarily always the spouse.

\* Cell size restriction: Numerator (number of cases) 5 or less

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brian.horiuchi@doh.hawaii.gov

*Data Set: **Fetal Death***

**Description:**

Information captured from fetal death reports registered with the Department of Health (DOH).

**Granularity:**

The grain of this dataset is individual Fetal Death Certificate Number. The related dimensions are Age and Demographics of Mother and Father, Census Tract/County of Death Location and Mother Residence, Date, ICD-10 Diagnosis, Facility, Gender, Race of Mother and Father

**Number of Records Per Year:**

2000 - 848  
2001 - 772  
2002 - 858  
2003 - 892  
2004 - 934  
2005 - 954  
2006 - 1,071

**Data Notes:**

\* Cell size restriction: Numerator (number of cases) 5 or less

## Data Source Overview

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### Data Source: Behavioral Risk Factor Surveillance System (BRFSS)

**Original Source:** BRFSS

**Website:** <http://www.hawaii.gov/health/statistics/brfss/index.html>

#### Contact Information:

Florentina R. Salvail  
(808) 586-4509  
brfsshi@mail.health.state.hi.us

*Data Set:* **BRFSS**

#### Description:

The BRFSS is a Center for Disease Control and Prevention (CDC) supported telephone survey of individuals that is administered by all 50 states to collect information on behavioral factors known to be associated with chronic diseases. A local copy of the CDC BRFSS database (with CDC weightings and Hawaii specific questions/weightings included) is captured by the Office of Planning, Policy and Program Development. There are 3 sets of data available:

1. Raw response data.
2. Risk Factor Variables (derived from responses).
3. Weightings & Weighted data.

#### Granularity:

The lowest level of geographic detail on the BRFSS data is Zipcode  
(Note: There are 3-4% Unknown zipcode per year)

#### Number of Records Per Year:

2006 - 6,564  
2005 - 6,416  
2004 - 2,202  
2003 - 4,339  
2002 - 6,000  
2001 - 4,500  
2000 - 6,051

#### Data Notes:

- \* Respondents are 18+.
- \* Contains BRFSS Confidence Intervals.
- \* Cell size restriction: Denominator (number of responses to a question) is less than 50 (unweighted)
- \* "Unmarried couple" is the BRFSS terminology that refers to a "Member of an unmarried couple".
- \* BRFSS 2004 has fewer records than previous years. The survey was conducted only for the latter part of the year (Sept 2004-Dec 2004).
- \* BRFSS 2005 has two questionnaires. Each questionnaire has the same set of CORE questions. However, the optional modules are different for each questionnaire. Logic has been applied to ensure that each question uses the appropriate weight. The change in surveillance methodology should be seamless to the users. Reports should work the same way.

## Data Source Overview

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**Data Source:** Census

**Original Source:** Factfinder

**Website:** [http://factfinder.census.gov/home/saff/main.html?\\_lang=en](http://factfinder.census.gov/home/saff/main.html?_lang=en)

**Contact Information:**

ask.census.gov

*Data Set: **Census Population***

**Description:**

The Decennial Census occurs every 10 years, in years ending in zero, to count the population and housing units for the entire United States. Our data is mainly from Summary File 1. Summary File 1 presents counts and information [age, sex, race, Hispanic/Latino origin] collected from all people and housing units.

**Granularity:**

The grain of the Census data is on Census Tract Level. The related dimensions are Date (Year), County, Census Tract, Census Race, Census Age Group, Age , Gender

**Number of Records Per Year:**

2000 – 1,211,537

**Data Notes:**

## Data Source Overview

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**Data Source:** Census

**Original Source:** Factfinder

**Website:** [http://factfinder.census.gov/home/saff/main.html?\\_lang=en](http://factfinder.census.gov/home/saff/main.html?_lang=en)

**Contact Information:**

ask.census.gov

*Data Set: **Census Population by Detailed Race***

**Description:**

Detailed race from American Fact Finder is only available at the census tract level. The information is not combined with age, sex or any other descriptive.

**Granularity:**

The grain of the Census data is on the Census Tract Level. The related dimensions are Date (Year), County, Census Tract, Census Race, Doh Race - Ethnicity

**Number of Records Per Year:**

**Data Notes:**

\* Totals in this dataset will not add up to the Population by Census race because this dataset only includes Total Asian categories tallied for people with one Asian category only and people with no specific Asian category reported and Total Native Hawaiian and Other Pacific Islander categories tallied for people with one Native Hawaiian and Other Pacific Islander category only and people with no specific Native Hawaiian and Other Pacific Islander category reported.

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**Data Source:** Census

**Original Source:** Factfinder

**Website:** [http://factfinder.census.gov/home/saff/main.html?\\_lang=en](http://factfinder.census.gov/home/saff/main.html?_lang=en)

**Contact Information:**

ask.census.gov

*Data Set: **Census Population by Community***

**Description:**

Census Population by Community is not available directly off the Factfinder. This dataset had to be derived by using a ZCTA -> Department of Health (DOH) Zipcode mapping in order to get HH2010 Communities.

**Granularity:**

The grain of the Census data is on Community Level. The related dimensions are Date (Year), County, Community, Census Race, Census Age Group, Age , Gender

**Number of Records Per Year:**

Available from DOH using ZCTA.

**Data Notes:**

\* Uses ZCTA -> Department of Health (DOH) ZIPCODE mapping

## Data Source Overview

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**Data Source:** Census

**Original Source:** Factfinder

**Website:** <http://www.census.gov/popest/estimates.php>

**Contact Information:**

Population Division  
Information and Research Services Staff  
(301) 763-2422  
pop@census.gov

*Data Set: **Census Estimates***

**Description:**

Estimated census data for non-census years. Estimates are derived using the most recent census data and growth projection data. Estimates are developed by the Population Estimates Program, assisted by the Federal State Cooperative Program for Population Estimates (FSCPE).

**Granularity:**

The grain of the Census Estimates data is on the County Level. The related dimensions are Date (Year), County , Census Race, Census Age Group, Gender

**Number of Records Per Year:**

2000 - 1,212,113  
2001 - 1,221,419  
2002 - 1,233,249  
2003 - 1,245,606  
2004 - 1,259,299  
2005 - 1,273,278  
2006 - 1,285,498

**Data Notes:**

## Data Source Overview

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**Data Source: Census**

**Original Source:** Hawaii Health Survey (HHS)

**Website:** <http://hawaii.gov/health/statistics/hhs/index.html>

**Contact Information:**

Kathleen Baker  
(808) 586-8050  
kathleen.baker@doh.hawaii.gov

*Data Set: **Census Estimates by Race-Ethnicity***

**Description:**

Yearly Estimates by Race-Ethnicity come from Kay Baker (HHS).

**Granularity:**

The grain of the Census Estimates by Race-Ethnicity is on the County Level.

**Number of Records Per Year:**

**Data Notes:**

## Data Source Overview

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### Data Source: Pregnancy Risk Assessment Monitoring Survey (PRAMS)

**Original Source:** Perinatal Health Services Section within the Department of Health (DOH) MCH Branch.

**Website:** <http://hawaii.gov/health/family-child-health/mchb/programs/prams.html>

### Contact Information:

PRAMS Coordinator  
Telephone: 808-733-4060  
Fax: 808-733-9032

*Data Set:* **PRAMS**

### Description:

PRAMS, the Pregnancy Risk Assessment Monitoring System, is a Centers for Disease Control and Prevention's sponsored surveillance project. The PRAMS survey collects state-specific, population-based data on maternal attitudes and experiences before, during, and shortly after pregnancy. The Perinatal Health Services Section within the Department of Health's (DOH) Maternal and Child Health Branch oversees the state's PRAMS program.

### Granularity:

The grain of the PRAMS data is individual PRAMS ID. The related dimensions are Date, Infant Gender, Mother's Race-Ethnicity, Mother's Hispanic Origin, Age, Mother's Residential County, Education Level, Poverty Level, Married Indicator, Household demographics.

### Number of Records Per Year:

2000 - 2,514  
2001 - 2,490  
2002 - 1,822  
2003 - 1,893  
2004 - 2,574

### Data Notes:

- \*PRAMS data should only be analyzed by Year and one other dimension, due to small sample sizes.
- \* PRAMS dates are based off the Infant's Date of Birth (from the Birth Record).
- \* PRAMS geography is based on the mother's residence using the HHDW geography hierarchy.
- \* PRAMS data represents only births to Hawaii residents.
- \* Lowest level of geography for PRAMS analysis is COUNTY.
- \* Reminder about age groupings: Predefined age groups have been provided for the PRAMS data.
- \* Education Level has changed: "Kindergarten/Never attended School" is combined with Grades 1-8.
- \* Cell size restriction is 30 (unweighted) on the denominator for PRAMS (CDC standard). If denominator is less than 60, a footnote is required.

## Data Source Overview

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### Data Source: Youth Tobacco Survey

**Original Source:** CDC

**Website:** N/A

**Contact Information:**

Ann Pobutsky  
(808) 586-4485  
ann.m.pobutsky@doh.hawaii.gov

*Data Set:* **YTS**

**Description:**

To assist states in developing and maintaining their state based comprehensive tobacco prevention and control programs, CDC developed the Youth Tobacco Surveillance and Evaluation System. A bi-annual, representative, written survey of public school students grades 6 - 12. YTS collects information about tobacco use and access, exposure to tobacco messages and secondhand smoke, and knowledge, beliefs and attitudes regarding tobacco. HHDW will only include Hawaii YTS data.

**Granularity:**

The grain of this data is the youth respondent. The related dimensions are: Year, Gender, Grade Level, Race-Ethnicity.

**Number of Records Per Year:**

2003 Middle School - 10,641  
2005 Middle School - 1,676  
2000 High School - 1,511  
2005 High School - 1,551

**Data Notes:**

- \* The CDC requires a response rate of at least 60% to weigh state YTS data. Hawaii did not meet this requirement for all years so data maybe unweighted.- Currently we have weighted data for 2003 Middle School, 2005 Middle School, 2000 High School, 2005 High School
- \* YTS Methodology (2000): <http://www.cdc.gov/mmwr/PDF/ss/ss5004.pdf>
- \* Cell size restriction: YTS has a cell size restriction of 35 (unweighted) on the denominator.

## Data Source Overview

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### Data Source: Youth Risk Behavior Surveillance System

**Original Source:** CDC

**Website:** N/A

**Contact Information:**

Cathy Tanaka  
(808) 586-4438  
cathykt@doh.hawaii.gov

*Data Set:* **YRBSS**

**Description:**

The Youth Risk Behavior Surveillance System (YRBSS) monitors six categories of priority health risk behaviors among youth and young adults — behaviors that contribute to unintentional injuries and violence; tobacco use; alcohol and other drug use; sexual behaviors that contribute to unintended pregnancy and sexually transmitted diseases (STDs), including human immunodeficiency virus (HIV) infection; unhealthy dietary behaviors; and physical inactivity — plus overweight. HHDW will only include Hawaii YRBSS data.

**Granularity:**

The grain of this data is the youth respondent. The related dimensions are: Year, Gender, Grade Level, Race-Ethnicity.

**Number of Records Per Year:**

2003 Middle School - 7,709

2003 High School - 8,791

2005 Middle School -1,693

2005 High School - 1,662

(2001 middle school and high school data are not available for YRBSS due to CDC weighting standards)

**Data Notes:**

\* The CDC requires a response rate of at least 60% to weigh state YRBSS data. Hawaii did not meet this requirement for all years so data maybe unweighted.- Currently we have weighted data for 2001 Middle School, 2003 Middle School.

\* YRBSS Methodology: <http://www.cdc.gov/mmwr/PDF/rr/rr5312.pdf>

\* Cell size restriction: YRBSS has a cell size restriction of 35 (unweighted) on the denominator.

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### Data Source: Hawaii Health Survey

**Original Source:** Office of Health Status Monitoring

**Website:** <http://www.hawaii.gov/health/statistics/hhs/index.html>

### Contact Information:

Kathleen Baker  
(808) 586-8050  
kathleen.baker@doh.hawaii.gov

*Data Set: HHS Survey (Core questions)*

### Description:

The Hawaii Health Survey (HHS), implemented by the Office of Health Status Monitoring, is an annual survey (started in 1968 and a telephone survey since 1996) modeled after the National Health Interview Survey. HHS collects demographic information for measuring population changes during intercensal years. It provides estimates for demographic, socio-economic, and health variables for the state of Hawaii and sub-areas. Information on special topics may be collected by additional modules by year. OHSM contracts with SMS Research for the actual telephone interviews using CATI.

### Granularity:

The grain of this data is the household member. The related dimensions are: Year, Age, Gender, Race-Ethnicity, Demographics, Household Demographics and Geography

### Number of Records Per Year:

2000 - 17,183  
2001 - 16,938  
2002 - 15,516  
2003 - 14,839  
2004 - 19,699  
2005 - 19,309

### Data Notes:

\* In a multistage design the household (PSU) is disproportionately sampled by island (random within island). A knowledgeable adult ( $\geq 18$  years) is interviewed about themselves, the household, and all household members. There is variability introduced by sampling and non-sampling errors. Sample numbers are provisionally weighted and adjusted for total population of Hawaii; total numbers are adjusted as households without telephones, Ni`ihau, group quarters, and homeless are not represented - Much of the information gathered is 2nd hand (asking one individual about others in that household).

\* Cell size restriction: Denominator (number of responses to a question) less than 50 (unweighted)