

Hawaii Health Data Warehouse Race-Ethnicity Documentation

August 2011

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Behavioral Risk Factor Surveillance System (BRFSS)

Methodology:

For BRFSS race-ethnicity methodology, contact the BRFSS office in the Department of Health.

Variable used to derive race-ethnicity in the HHDW:

2000

In 2000 HHDW used the BRFSS variable SIRACE1 from the State Added Questions. The respondent is only able to self-report ONE race.

SIRACE1	SIRACE1 Desc	Program Race	DOH Race -Ethnicity	Census Race
1	Caucasian	White	Caucasian	White
2	Hawaiian/Part Hawaiian	Native Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Japanese	Japanese	Japanese	Asian
6	Korean	Korean	Other Asian	Asian
7	Samoaan/Tongan	Samoaan/ Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	Black	Black	Black	Black or African American
9	American Indian/Alaska Native	American Indian and Alaska Native	Native Alaskan/ American Indian	Native Alaskan/ American Indian
10	Vietnamese	Vietnamese	Other Asian	Asian
11	Asian Indian	Asian Indian	Other Asian	Asian
12	Portuguese	Portuguese	Caucasian	White
13	Guamanian/Chamorro	Guamanian or Chamorro	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
14	Puerto Rican	Puerto Rican	Other	Other
15	Mexican	Mexican	Other	Other
16	Mixed/Non-Hawaiian	Any mixed, not-Hawaiian	Mixed Ethnicity	Other
18	Other Pacific Islander (includes Tahitian, Fijian, Polynesian, micronesian)	Other Pacific Islander	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
99	Refused	Unknown	Unknown	Unknown

HHDW Race-Ethnicity Methodology

2001

In 2001 HHDW used the BRFSS variable SIRACE1 from the State Added Questions. The respondent is only able to self-report ONE race. Some of the responses changed in 2001 and new responses were added:

SIRACE1	SIRACE1 Desc	Program Race	DOH Race-Ethnicity	Census Race
1	Caucasian (includes European, German, Irish, Italian, English)	White	Caucasian	White
2	Hawaiian	Native Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Japanese	Japanese	Japanese	Asian
6	Korean	Korean	Other Asian	Asian
7	Samoaan	Am. Samoaan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	Black	Black	Black	Black or African American
9	American Indian/Alaska Native/Eskimo/Inuit	American Indian and Alaska Native	Native Alaskan/ American Indian	Native Alaskan/ American Indian
10	Vietnamese	Vietnamese	Other Asian	Asian
11	Asian Indian	Asian Indian	Other Asian	Asian
12	Portuguese	Portuguese	Caucasian	White
13	Guamanian/Chamorro	Guamanian or Chamorro	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
14	Puerto Rican	Puerto Rican	Other	Other
15	Mexican	Mexican	Other	Other
16	Tongan	Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
17	Laotian	Laotian	Other Asian	Asian
18	Cambodian	Cambodian	Other Asian	Asian
19	Malaysian	Malaysian	Other Asian	Asian
21	Micronesia	Micronesia	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
22	Other Asian	Other Asian	Other Asian	Asian
23	Other	Other	Other	Other
24	Don't know/Not sure	Unknown	Unknown	Unknown
25	Refused	Unknown	Unknown	Unknown

HHDW Race-Ethnicity Methodology

2002 and 2003

In 2002 and 2003, BRFSS allowed respondents to select up to 4 different race-ethnicity categories.

The HHDW took this variable (SIRACE) and parsed it into 4 HHDW variables: SIRACE1, SIRACE2, SIRACE3 and SIRACE4. The first variable, SIRACE1, was used for reporting by race in HHDW. SIRACE1 in 2002 and 2003 match the codes for 2001. Results in HHDW may differ from DOH BRFSS reports for 2002-2003 as DOH BRFSS used an algorithm to determine the reporting race from the combination of all four responses.

SIRACE1	SIRACE1 Desc	Program Race	DOH Race -Ethnicity	Census Race
1	Caucasian (includes European, German, Irish, Italian, English)	White	Caucasian	White
2	Hawaiian	Native Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Japanese	Japanese	Japanese	Asian
6	Korean	Korean	Other Asian	Asian
7	Samoan	Samoan/ Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	Black	Black	Black	Black or African American
9	American Indian/Alaska Native/Eskimo/Inuit	American Indian and Alaska Native	Native Alaskan/ American Indian	Native Alaskan/ American Indian
10	Vietnamese	Vietnamese	Other Asian	Asian
11	Asian Indian	Asian Indian	Other Asian	Asian
12	Portuguese	Portuguese	Caucasian	White
13	Guamanian/Chamorro	Guamanian or Chamorro	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
14	Puerto Rican	Puerto Rican	Other	Other
15	Mexican	Mexican	Other	Other
16	Tongan	Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
17	Laotian	Laotian	Other Asian	Asian
19	Malaysian	Malaysian	Other Asian	Asian
21	Micronesian	Micronesian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
22	Other Asian	Other Asian	Other Asian	Asian
23	Other	Other	Other	Other
24	Don't know/Not sure	Unknown	Unknown	Unknown
25	Refused	Unknown	Unknown	Unknown

HHDW Race-Ethnicity Methodology

2004

In 2004, BRFSS also allowed respondents to self-report up to 4 race-ethnicities. However, they also eliminated the variable SIRACE and created 4 new variables: SIRACE1, SIRACE2, SIRACE3 and SIRACE4. These four variables were loaded into the HHDW. In 2004 HHDW used the SIRACE1 variable for reporting purposes. Results in HHDW may differ from DOH BRFSS reports for 2004 as DOH BRFSS used an algorithm to determine the reporting race from the combination of all four responses.

SIRACE1	SIRACE1 Desc	Program Race	DOH Race -Ethnicity	Census Race
1	Caucasian	White	Caucasian	White
2	Hawaiian	Native Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Japanese	Japanese	Japanese	Asian
6	Korean	Korean	Other Asian	Asian
7	Samoan	Am. Samoan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	Black	Black	Black	Black or African American
9	American Indian/Alaska Native/Eskimo/Inuit	American Indian and Alaska Native	Native Alaskan/ American Indian	Native Alaskan/ American Indian
10	Vietnamese	Vietnamese	Other Asian	Asian
11	Asian Indian	Asian Indian	Other Asian	Asian
12	Portuguese	Portuguese	Caucasian	White
13	Guamanian/Chamorro	Guamanian or Chamorro	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
14	Puerto Rican	Puerto Rican	Other	Other
15	Mexican	Mexican	Other	Other
16	Tongan	Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
17	Laotian	Laotian	Other Asian	Asian
21	Micronesian	Micronesian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
22	Other Asian (specify)	Other Asian	Other Asian	Asian
23	Other (specify)	Unknown	Unknown	Unknown
25	Refused	Unknown	Unknown	Unknown
26	No additional choices	Unknown	Unknown	Unknown

HHDW Race-Ethnicity Methodology

2005

In 2005 DOH starting providing HHDW with their calculated variable, SRACEU, which represents the primary race-ethnicity of the respondent for reporting purposes. The HHDW then started using this variable SRACEU for reporting race-ethnicity in all standard reports.

SRACEU	SRACEU Desc	Program Race	DOH Race-Ethnicity	Census Race
1	White	White	Caucasian	White
2	Hawaiian	Native Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Japanese	Japanese	Japanese	Asian
6	Korean	Korean	Other Asian	Asian
7	Samoan	Samoan/ Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	Black	Black	Black	Black or African American
9	American Indian/Alaska Native/Eskimo/Inuit	American Indian and Alaska Native	Native Alaskan/ American Indian	Native Alaskan/ American Indian
10	Vietnamese	Vietnamese	Other Asian	Asian
11	Asian Indian	Asian Indian	Other Asian	Asian
12	Portuguese	Portuguese	Caucasian	White
13	Guamanian/Chamorro	Guamanian or Chamorro	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
14	Puerto Rican	Puerto Rican	Other	Other
15	Mexican	Mexican	Other	Other
16	Tongan	Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
17	Laotian	Laotian	Other Asian	Asian
18	Cambodian	Cambodian	Other Asian	Asian
19	Malaysian	Malaysian	Other Asian	Asian
20	Fijian	Fijian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
21	Micronesian (Yapese incl)	Micronesian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
22	Other Asian (unspecify)	Other Asian	Other Asian	Asian
23	Other (unspecify)	Other	Other	Other
24	Don't know/Not sure	Unknown	Unknown	Unknown
25	Refused	Unknown	Unknown	Unknown
26	No additional choices	Unknown	Unknown	Unknown
29	Marquesa/Marshall/Gilbert/Pnesian/PI	Marquesa/Marshall/Gilbert/Pnesian/PI	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
30	Indonesian	Indonesian	Other Asian	Asian
31	Thai	Thai	Other Asian	Asian
32	Oriental/Singapore	Singaporean	Other Asian	Asian
33	Pakistani	Pakistani	Other Asian	Asian
34	Greek/Mediterranean	Greek/Mediterranean	Caucasian	White
35	Nepalese	Nepalese	Other Asian	Asian
36	Lebanese	Lebanese	Caucasian	White

HHDW Race-Ethnicity Methodology

2006

In 2006 DOH provided HHDW with their calculated variable, SRACEUT, which represents the primary race-ethnicity of the respondent for reporting purposes. The HHDW used this variable SRACEUT for reporting race-ethnicity in all standard reports. Note that in 2006 several new responses were coded.

SRACEUT	SRACEUT Desc	Program Race	DOH Race-Ethnicity	Census Race
1	White	White	Caucasian	White
2	Hawaiian	Native Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Japanese	Japanese	Japanese	Asian
6	Korean	Korean	Other Asian	Asian
7	Samoan	Samoan/ Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	Black	Black	Black	Black or African American
9	American Indian/Alaska Native/Eskimo/Inuit	American Indian and Alaska Native	Native Alaskan/ American Indian	Native Alaskan/ American Indian
10	Vietnamese	Vietnamese	Other Asian	Asian
11	Asian Indian	Asian Indian	Other Asian	Asian
12	Portuguese	Portuguese	Caucasian	White
13	Guamanian/Chamorro	Guamanian or Chamorro	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
14	Puerto Rican	Puerto Rican	Other	Other
15	Mexican	Mexican	Other	Other
16	Tongan	Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
17	Laotian	Laotian	Other Asian	Asian
20	Fijian	Fijian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
21	Micronesian (Yapese incl)	Micronesian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
22	Other Asian (unspecify)	Other Asian	Other Asian	Asian
23	Other (unspecify)	Other	Other	Other
25	Refused	Unknown	Unknown	Unknown
28	Tahitian	Tahitian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
29	Marquesa/Marshall/Gilbert/Pnesian /PI	Marquesa/Marshall/Gilbert/Pnesian/PI	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
30	Indonesian	Indonesian	Other Asian	Asian
31	Thai	Thai	Other Asian	Asian
32	Oriental/Singapore	Singaporean	Other Asian	Asian
33	Pakistani	Pakistani	Other Asian	Asian
34	Greek/Mediterranean	Greek/Mediterranean	Caucasian	White
35	Nepalese	Nepalese	Other Asian	Asian
36	Lebanese	Lebanese	Caucasian	White
37	Jewish/MEastern/Mix	Jewish/MEastern/Mix	Caucasian	White
38	White mix	White mix	Mixed Ethnicity	Other
39	Asian Mix	Asian Mix	Mixed Ethnicity	Other
41	Port mix	Port mix	Mixed Ethnicity	Other

HHDW Race-Ethnicity Methodology

2007-2010

In 2007-2010 DOH provided HHDW with their calculated variable, SRACEU, which represents the primary race-ethnicity of the respondent for reporting purposes. The HHDW used this variable SRACEU for reporting race-ethnicity in all standard reports.

SRACEU	SRACEU Desc	Program Race	DOH Race-Ethnicity	Census Race
1	White	White	Caucasian	White
2	Hawaiian	Native Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Japanese	Japanese	Japanese	Asian
6	Korean	Korean	Other Asian	Asian
7	Samoaan	Samoaan/ Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	Black	Black	Black	Black or African American
9	American Indian/Alaska Native/Eskimo/Inuit	American Indian and Alaska Native	Native Alaskan/ American Indian	Native Alaskan/ American Indian
10	Vietnamese	Vietnamese	Other Asian	Asian
11	Asian Indian	Asian Indian	Other Asian	Asian
12	Portuguese	Portuguese	Caucasian	White
13	Guamanian/Chamorro	Guamanian or Chamorro	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
14	Puerto Rican	Puerto Rican	Other	Other
15	Mexican	Mexican	Other	Other
16	Tongan	Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
17	Laotian	Laotian	Other Asian	Asian
18	Cambodian	Cambodian	Other Asian	Asian
19	Malaysian	Malaysian	Other Asian	Asian
20	Fijian	Fijian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
21	Micronesian (Yapese incl)	Micronesian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
22	Other Asian (unspecify)	Other Asian	Other Asian	Asian
23	Other (unspecify)	Other	Other	Other
24	Don't know/Not sure	Unknown	Unknown	Unknown
25	Refused	Unknown	Unknown	Unknown
26	No additional choices	Unknown	Unknown	Unknown
29	Marquesa/Marshall/Gilbert/Pnesian/PI	Marquesa/Marshall/Gilbert/Pnesian/PI	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
30	Indonesian	Indonesian	Other Asian	Asian
31	Thai	Thai	Other Asian	Asian
32	Oriental/Singapore	Singaporean	Other Asian	Asian
33	Pakistani	Pakistani	Other Asian	Asian
34	Greek/Mediterranean	Greek/Mediterranean	Caucasian	White
35	Nepalese	Nepalese	Other Asian	Asian
36	Lebanese	Lebanese	Caucasian	White

Vital Statistics Race-Ethnicity Methodology

Methodology:

In all sections, the category "Hawaiian" also includes "Part-Hawaiian".

Ethnicity is self-reported.

It should be noted that only one ethnicity is coded from the actual certificates. If more than one ethnicity is listed on the certificate, the following rules apply:

1. If Hawaiian is one of the multiple ethnicities listed, Part-Hawaiian is coded.
2. If a non-Caucasian ethnicity is listed with a Caucasian ethnicity, the non-Caucasian ethnicity is coded.
3. If there is more than one non-Caucasian ethnicity listed, the first one is coded.
4. If there is more than one Caucasian ethnicity listed, the first one is coded. Ethnicity of the child is based on the ethnicity of the father. It is based on the ethnicity of the mother when the ethnicity of the father is unknown.

Source: http://www.hawaii.gov/health/statistics/vital-statistics/vr_04/notes.pdf

Variable used to derive race-ethnicity in the HHDW:

Birth

CHILDS_RACE
MOTHERS_RACE
FATHERS_RACE

Death

RACE

FD

MOTHERS_RACE
FATHERS_RACE

ITOPS

PATIENTS_RACE
SPOUSES_RACE

Original Values and Conformed Values:

DATA_SOU	SOURCE_CD	SOURCE_CD_DESC	Program Race Code	Program Race	DOH Race-Eth Desc	Census Race Desc
VITALS	01	Caucasian	119	Caucasian	White	White
VITALS	02	Hawaiian	53	Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
VITALS	03	Part Hawaiian	54	Part Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
VITALS	04	Chinese	19	Chinese	Chinese	Asian
VITALS	05	Filipino	18	Filipino	Filipino	Asian
VITALS	06	Japanese	16	Japanese	Japanese	Asian
VITALS	07	Puerto Rican	121	Puerto Rican	Other	Other
VITALS	08	Korean	36	Korean	Other Asian	Asian
VITALS	09	Samoan	118	Samoan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
VITALS	10	Portuguese	3	Portuguese	White	White
VITALS	11	Guamanian	76	Guamanian	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
VITALS	12	Indian	33	Indian	Native Alaskan/American	Native Alaskan/American Indian
VITALS	13	Black	6	Black	Black	Black or African American
VITALS	14	Vietnamese	52	Vietnamese	Other Asian	Asian
VITALS	15	Other Asian	43	Other Asian	Other Asian	Asian
VITALS	16	Oth Pac Islanders	124	Oth Pac Islanders	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
VITALS	17	Cuban	125	Cuban	Other	Other
VITALS	18	Mexican	122	Mexican	Other	Other
VITALS	19	Asian Indian	22	Asian Indian	Other Asian	Asian
VITALS	77	All Other	123	All Other	Other	Other
VITALS	88	Unstated	#N/A	#N/A	#N/A	#N/A
VITALS	99	Refused	#N/A	#N/A	#N/A	#N/A
VITALS	99	Unknown	#N/A	#N/A	#N/A	#N/A

Hawaii Health Survey (HHS)

Methodology:

Variable used to derive race-ethnicity in the HHDW:

The variable used in the HHDW is RACES, a calculated variable provided by the DOH HHS coordinator. This variable is created from the parent's ethnicities (Q37-Q40) as reported by the respondent for each household member. HHS Race-ethnicity is coded using the OHSM method, stated here:

OHSM codes these eight possible choices for each individual (four for each parent), to one ethnicity in order to comply with prior Census rules coding race/ethnicity. Specifically, if Hawaiian is listed for the Mother or Father the person is coded to Hawaiian. Otherwise, the person is coded to the first ethnicity listed (other than Caucasian or unknown) for the Father. If the Father's responses are Caucasian and/or unknown, the person's ethnicity is coded to the first ethnicity listed (other than Caucasian or unknown) for the Mother. Lastly, if there are no other responses other than Caucasian or unknown the person is coded to Caucasian. Otherwise, the person is coded to do not know, refused, or missing.

Original Values and Conformed Values:

RACES	RACES Desc	Program Race	DOH Race-Ethnicity	Census Race
1	Caucasian	Caucasian	Caucasian	White
2	Hawaiian	Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Japanese	Japanese	Japanese	Asian
6	Korean	Korean	Other Asian	Asian
7	Vietnamese	Vietnamese	Other Asian	Asian
8	Asian Indian	Asian Indian	Other Asian	Asian
9	Other Asian	Asian Other	Other Asian	Asian
10	Samoan/Tongan	Samoan/ Tongan	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
11	African American	Black	Black	Black or African American
12	Native American	American Indian and Alaska Native	Native Alaskan/ American Indian	Native Alaskan/ American Indian
13	Puerto Rican	Puerto Rican	Other	Other
14	Mexican	Mexican	Other	Other
15	Caucasian	Portuguese	Caucasian	White
16	Guamanian/Chamorro	Guamanian or Chamorro	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
17	Other PI	Other Pacific Islander	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
18	Other	Other	Other	Other
19	Don't know/Not sure	Other	Other	Other
20	Refused	Other	Other	Other

Pregnancy Risk Assessment Monitoring System (PRAMS)

Methodology:

PRAMS uses the mother's race obtained from the Birth Record in Vital Statistics. For Birth record methodology, please see Vital Statistics section above.

Variable used to derive race-ethnicity in the HHDW:

PRAMS

MAT_RACE

Original Values and Conformed Values:

MAT_RACE	MAT_RACE Desc	Program Race	DOH Race-Ethnicity	Census Race
1	Oth Asian	OTH ASIAN	Other Asian	Asian
2	White	White	Caucasian	White
3	Black	Black	Black	Black or African American
4	Am Indian	AM INDIAN	Native Alaskan/ American Indian	Native Alaskan/ American Indian
5	Chinese	Chinese	Chinese	Asian
6	Japanese	Japanese	Japanese	Asian
7	Filipino	Filipino	Filipino	Asian
8	Hawaiian	Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
9	Other Race	OTH-NONWHT	Other	Other
.U	Unknown	Unknown	Unknown	Unknown

Youth Risk Behavior Survey (YRBS)

Variable used to derive race-ethnicity in the HHDW:

YRBS

The HHDW uses the variable Q4 in 2001 and 2003; Q88 in 2005; and RACEETH in 2007 and 2009.

Original Values and Conformed Values:

2001

Q4	Q4 Desc	Program Race-Ethnicity	DOH Race-Ethnicity	Census Race-Ethnicity
1	Black	Black	Black	Black or African American
2	Caucasian/White	White	Caucasian	White
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Hawaiian/Part Hawaiian	Hawaiian/ Part Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
6	Japanese	Japanese	Japanese	Asian
7	Samoan	Other	Other	Other
8	Other	Other	Other	Other
10	Multiple - Non-hispanic	Other	Other	Other
.U	Unknown	Unknown	Unknown	Unknown

2003

Q4	Q4 Desc	Program Race-Ethnicity	DOH Race-Ethnicity	Census Race-Ethnicity
1	Black or African American	Black	Black	Black or African American
2	Caucasian/ White	White	Caucasian	White
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Hawaiian/ Part Hawaiian	Hawaiian/ Part Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
6	Japanese	Japanese	Japanese	Asian
7	Samoan	Other	Other	Other
8	Other	Other	Other	Other
10	Multiple - Non-hispanic	Other	Other	Other
.U	Unknown	Unknown	Unknown	Unknown

2005

Q88	Q88 Desc	Program Race-Ethnicity	DOH Race-Ethnicity	Census Race-Ethnicity
1	Black or African American	Black	Black	Black or African American
2	Caucasian or White	White	Caucasian	White
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Japanese	Japanese	Japanese	Asian
6	Native Hawaiian/Part Hawaiian	Hawaiian/ Part Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
7	Other Pacific Islander	Other Pacific Islander	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	Other	Other	Other	Other
.U	Unknown	Unknown	Unknown	Unknown

2007 and 2009

Raceeth	Raceeth Desc	Program Race-Ethnicity	DOH Race-Ethnicity	Census Race-Ethnicity
1	Am Indian / Alaska Native	American Indian and Alaska Native	Native Alaskan/ American Indian	Native Alaskan/ American Indian
2	Black or African American	Black	Black	Black or African American
3	Filipino	Filipino	Filipino	Asian
4	Japanese	Japanese	Japanese	Asian
5	Native Hawaiian/Part Hawaiian	Hawaiian/ Part Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
6	Other Asian	Other Asian	Other Asian	Asian
7	Other Pacific Islander	Other Pacific Islander	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	White	White	Caucasian	White
9	Hispanic/Latino	Other	Other	Other
10	Multiple - Hispanic	Other	Other	Other
11	Multiple - non-Hispanic	Other	Other	Other
.U	Unknown	Unknown	Unknown	Unknown

Youth Tobacco Survey (YTS)

Variable used to derive race-ethnicity in the HHDW:

The HHDW uses the variable HIR7.

Original Values and Conformed Values:

2000, 2003, 2005, 2007, and 2009

HIR7	HIR7 Desc	Program Race-Ethnicity	DOH Race-Ethnicity	Census Race
1	Black or African American	Black	Black	Black or African American
2	Caucasian/White	White	Caucasian	White
3	Chinese	Chinese	Chinese	Asian
4	Filipino	Filipino	Filipino	Asian
5	Hawaiian/Part Hawaiian	Hawaiian/ Part Hawaiian	Native Hawaiian	Native Hawaiian and Other Pacific Islander
6	Japanese	Japanese	Japanese	Asian
7	Pacific Islander	Pacific Islander Unspecified	Other Pacific Islander	Native Hawaiian and Other Pacific Islander
8	Other	Other	Other	Other
.U	Unknown	Unknown	Unknown	Unknown

Appendix A: Hawaii Model – Standard for Clustering Race/Ethnicity Categories

The HHDW race-ethnicity hierarchy is based off the standards defined by DOH. The table below lists the DOH program races conformed to DOH's race-ethnicity and OMB* Race.

*OMB = Federal Office of Management and Budget

HHDW Race-Ethnicity Methodology

OMB Race*	DOH Race-Ethnicity	Program Race/Ethnicity Categories (Information currently captured by DOH programs)	
White	White	White European Portuguese Middle Eastern or North African Arab	
Black	Black	Black African American Haitian African	Jamaican Barbadian Tobagonian Dominican Trinidadian West Indian
Asian	Japanese	Japanese Okinawan	
	Filipino	Filipino	
	Chinese	Chinese Taiwanese	
	Other Asian	Asian Asian Indian Asian Other Asian Pacific Islander Asian Polynesian Asian Unspecified Bangladeshi Bhutanese Burmese Cambodian East Asian Hmong Indian Indo-Chinese Indonesian Korean Laotian	· Madagascar · Malay · Maldivian · Mixed Asian · Nepalese · Other Asian · Other East Asian · Other SE Asian · Pakistani · SE Asian Unspecified · Singaporean · South Asian Unspecified · Sri Lankan · Thai · Vietnamese · · ·
Hawaiian/ Pacific Islander	Native Hawaiian	Hawaiian Part Hawaiian Hawaiian/Part Hawaiian	Hawaiian/ Pacific Islander

HHDW Race-Ethnicity Methodology

OMB Race*	DOH Race-Ethnicity	Program Race/Ethnicity Categories (Information currently captured by DOH programs)	
Hawaiian/ Pacific Islander (Continued)	Other Pacific Islander	Polynesian	
		Am. Samoan	Samoan/Tongan
		Cook Islander	Tahitian
		French Polynesian	Tokelauan
		Maori	Tongan
		Niuean	Tuvaluan
Other Polynesian	Wallisan & Futunian		
Polynesian	West Samoan		
Polynesian Unspecified			
		Micronesian	
Belauan	Marshallese		
Chamorro	Micronesian Unspecified		
Chuukese	Nauruan		
Carolinian	Northern Mariana		
Guamanian	Other Micronesian		
Guamanian or Chamorro	Palauan		
Kiribati	Pohnpeian		
Kosraen	Saipanese		
Northern Mariana Islander	Yapese		
		Melanesian	
Fijian	New Hebrides		
Melanesian Unspecified	Other Melanesian		
Solomon Islander	Papua New Guinean		
New Caledonian	Vanuatan		
		South Pacific Islander	
Pacific Islander Unspecified	Other Asian Pacific Islander		
	Other Pacific Islander		
American Indian/ Alaska Native	Native American	Native American	
Other	Other	Puerto Rican Cuban Mexican	
To Be Determined	Mixed Race/Ethnicity	Any mixed, not-Hawaiian	Eurasian Other Asian Pacific