

Survey Shows...  
The Hawaii Behavioral Risk Factor Surveillance System  
Special Report

Year 1 Issue 2

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# Tracking Hawaii's Progress Toward Healthy People 2010 Measured from HBRFSS

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## Tracking Hawaii's progress toward Healthy People 2010 measured from HBRFSS

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### ***Acknowledgement***

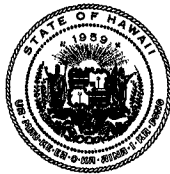
I would like to acknowledge the adult residents of Hawaii who voluntarily participated in the HBRFSS. Without their participation this report as well as other studies derived from HBRFSS would have not been made possible. I would also like to thank Linda M. Rosen, M.D., Deputy Director of Health Resources at Hawaii DOH, Paran Pordell, CDC public health fellow assigned to the Chronic Disease Management and Control Branch at Hawaii DOH, and Ann G. Pobutsky, epidemiologist of Community Health Division for their suggestions and editorial comments.

### ***About the Hawaii Behavioral Risk Factor Surveillance System (HBRFSS)***

The HBRFSS is an ongoing land-based random telephone survey of randomly selected adult residents 18 years and older on behaviors that affects health directly and indirectly. The HBRFSS is funded by the Centers for Disease Control and Prevention (CDC) as part of the national Behavioral Risk Factor Surveillance System (BRFSS). The HBRFSS has been in operation since 1986. For more information about HBRFSS results, please visit the following website: <http://www.state.hi.us/doh/stats/surveys/brfss.html>. If the information you are looking is not on the website, you may contact the state BRFSS coordinator via e-mail at [brfsshi@mail.health.state.hi.us](mailto:brfsshi@mail.health.state.hi.us) or via phone at 808-586-4509.

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## ALOHA FROM THE DIRECTOR

The State Department of Health is pleased to present this report *Tracking Hawaii's Progress Toward Healthy People 2010 Measured from HBRFSS*.

The Hawaii Behavioral Risk Factor Surveillance System (HBRFSS) provided measurements that covered ten health areas and thirty Healthy People 2010 objectives for the calendar years 1998 to 2002. I hope that this report will be used for the planning, evaluation and implementation of health programs that will promote quality of life and prevent premature death or disability, particularly among certain segments of Hawaii residents.

Sincerely,

Chiyome Leinaala Fukino, M.D.  
Director of Health

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## **Executive Summary**

This report serves as a reference data book for health managers and policy makers to assist them in their planning, decision making and program implementation. There are 30 objectives presented covering the topic areas as found in the HP2010 publications namely: access to quality health services, cancer, diabetes, heart disease and stroke, immunization, nutrition and overweight, oral health, physical activity, substance abuse and tobacco use.

The measurements of these objectives were from the Hawaii Behavioral Risk Factor Surveillance System (HBRFSS). In measuring HP2010 objectives and goals, adherence to HP2010 definition prescribed in Tracking Healthy People 2010 was followed as much as possible. However, the reader is being cautioned that not all the HBRFSS variables or questions used in measuring HP2010 objectives and goals are 100% comparable with the prescribed HP2010 definition but are close alternatives. The HBRFSS questions and variables used can be found in Appendix A. The age distribution used for age-adjusted rates can be found in Appendix B.

In many of the HP2010 objectives tracked in this report for the adult residents of the state, what resonates are the following:

1. Hawaiians/Part Hawaiians followed closely by Filipinos are far from meeting the HP2010 objectives.
2. Adults who are in low income households or adults who did not finish high school education are also failing to meet many of the objectives.
3. All the adults in the state need to be strongly motivated to consume the recommended daily servings of fruits and vegetables in order for the state to meet the HP2010 objectives on nutrition.

Readers who want to see the numerical results without going through the entire report are invited to read the highlights section.

## **INTRODUCTION**

### **1. PURPOSE**

The purpose of this report is to serve as a reference data book in order to assist program managers and policy makers in decision making, planning and evaluation of activities and services by providing them with five year results of Healthy People 2010 (HP2010)<sup>1</sup> objective goals as measured from Hawaii Behavioral Risk Factor Surveillance System (HBRFSS).

HP2010 goals and objectives are designed to serve as a road map for improving the health of all people in the United States during the first decade of the 21<sup>st</sup> century. HP2010 aims to eliminate health disparities among Americans. To accomplish this aim, it has established a set of corresponding national targets that apply to diverse populations. These populations can be categorized into sub-groups such as county, gender, race or ethnicity, education, and income. This report will present crude rates and age-adjusted rates for the entire state as well as for the population sub-groups. The age-adjusted rates are presented to be comparable with the HP2010 goal rates, which were age-adjusted based on US 2000 standard population<sup>2</sup> and also to compensate for age structure differences among subgroup populations.

Although we are at the beginning of a new decade, it is important to start tracking our course if we are to reach the HP2010 goals and objectives. The following HBRFSS results are the first steps to the long road ahead. This data will allow us to assess our progress towards achieving the 30 objectives within 10 areas or topics. The 10 areas or topics are:

- Access to Quality Health Services
- Cancer
- Diabetes
- Heart Disease and Stroke
- Immunization
- Nutrition and Overweight
- Oral Health
- Physical Activity
- Substance Abuse
- Tobacco Use

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<sup>1</sup> See list of references number 1, 2 and 3.

<sup>2</sup> In addition to references 1, 2 and 3, see also reference number 4.

## **2. DEFINITIONS**

In grouping subpopulations within the state, the terms *ethnicity*, *less education* and *low income* are defined as follows:

*Ethnicity*: self-reported ethnicity/race of respondents.

*Less education*: confined to adults aged 25 years and older who have not completed high school.

*Low income*: No asset test and confined to: Household income less than \$10,000, or  
Household income from \$10,000 to less than \$15,000 and (number of adults + number of children)>2, or  
Household income from \$15,000 to less than \$20,000 and (number of adults + number of children)>3, or  
Household income from \$20,000 to less than \$25,000 and (number of adults + number of children)>4, or  
Household income from \$25,000 to less than \$30,000 and (number of adults + number of children)>6, or  
Household income from \$30,000 to less than \$35,000 and (number of adults + number of children)>8.

In measuring HP2010 objectives and goals, adherence to HP2010 definition prescribed in Tracking Healthy People 2010 was followed as much as possible. However, the reader is being cautioned that not all the HBRFSS variables or questions used in measuring HP2010 objectives and goals are 100% comparable with the prescribed HP2010 definition but are close alternatives. The HBRFSS questions and variables used can be found in Appendix A. The age distribution used for age-adjusted rates can be found in Appendix B.

## **3. Format of presentation**

The main body of this report is presented in the following way: Topic titles are the same as those found in Healthy People 2010 publication for easy reference. *Highlights* for each of the ten topic areas follow this section. The rates presented in the highlights are age-adjusted rates. Highlights section is followed by the detailed topic areas showing the number of respondents, plain weighted and age-adjusted prevalence rates at the state level, followed by the *supplements* that show sub-population numerical results by gender, by ethnicity, in low income household, with less education and by county. Not every objective at state level and supplements has five data points representing the years 1998 to 2002. This is due to the following:

- 1) Questions related to the objective were not asked during the year in question.
- 2) The denominator sample size was less than 50.

There are also instances when the sub-population page is not shown because the denominator sample size is small, that is, less than 50 for all the years considered.

In most of the figures, the green horizontal line represents the numerical goal of the objective.

## HIGHLIGHTS



## ACCESS TO QUALITY HEALTH SERVICE

There are two objectives that correspond to this target area:

**Objective 1.1:** *Increase the proportion of persons under age 65 years with health insurance to 100%.*

The proportion of adults aged 18-64 with health insurance fluctuated slightly from 1998 to 2002 and far from the required goal of 100%. It is alarming that the rate of health insurance coverage among those with less education significantly and progressively declined over the five-year period as illustrated in Figure 1.1a. The results also showed that in general, the proportions of Hawaiians with health care coverage is lower than the other three ethnic groups and that the rate dropped continuously in the last three years from 91.4% in year 2000 to about 84% in year 2002 as shown in Fig. 1.1b.

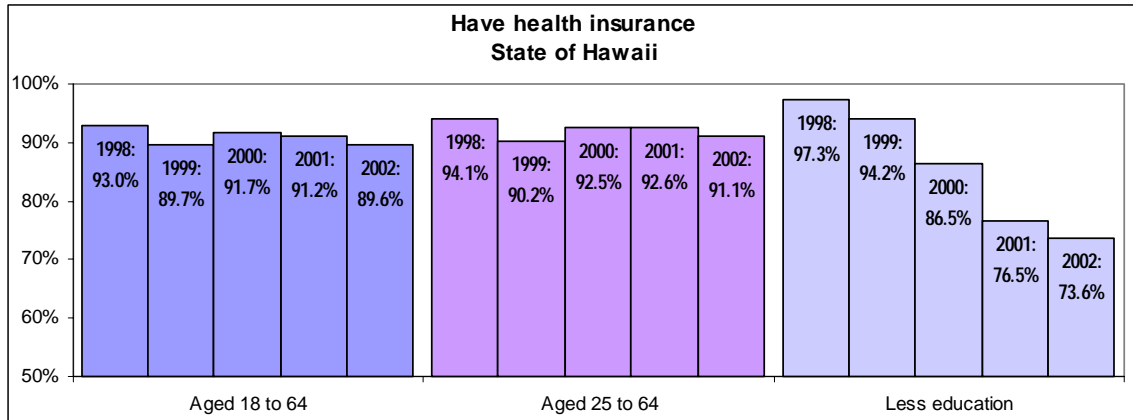


Fig. 1.1a

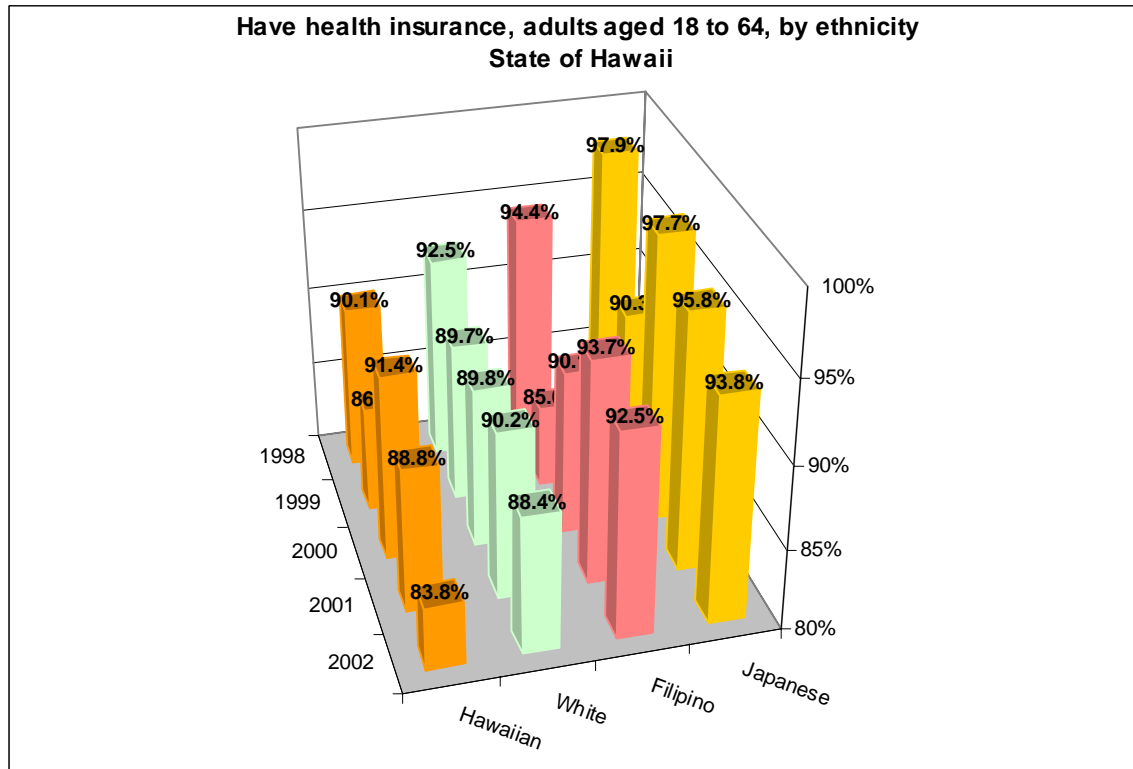


Fig. 1.1b

**Objective 1.4c:** *Increase the proportion of adults aged 18 years and older who have a specific source of ongoing care to 96%.*

In 2002, the state almost achieved the targeted goal for this objective. Figure 1.4 demonstrates a moderate gender disparity in that men are not successfully achieving this goal when compared to women. By ethnicity, the age-adjusted percentage of Filipinos and Japanese who have source of ongoing care is 97.8% and 97.1% respectively, exceeding the HP2010 goal of 96%. Hawaiians, Whites and others have average age adjusted percentages that nearly achieve the goal.

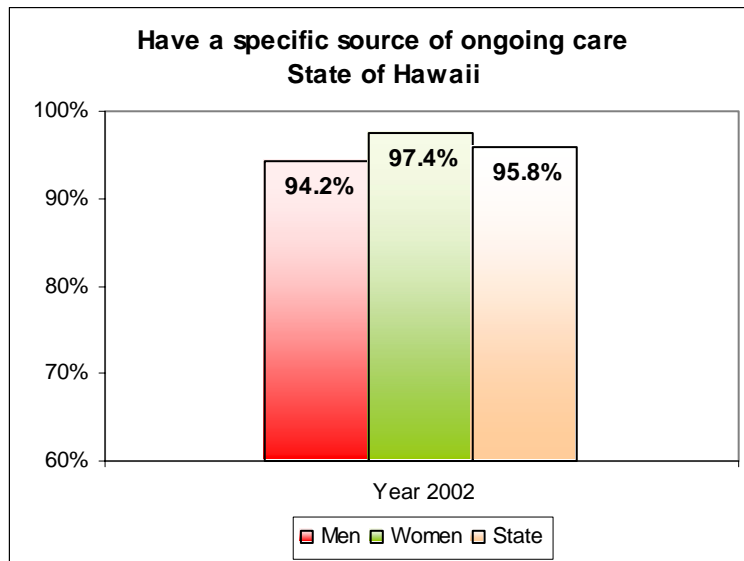


Fig 1.4

## CANCER

We collected data for 5 objectives within this target area.

**Objective 3-11a:** *Increase the proportion of women aged 18 years and older who have ever received a Pap test to 97%.*

In general, the state is about 3% points away from achieving this objective. The percentage of women who ever received Pap test is highest among White at 97.8% exceeding the goal and lowest among Filipino women at 92.2%, way below the goal.

**Objective 3-11b:** *Increase the proportion of women aged 18 years and older who have ever received a Pap test within the preceding 3 years to 90%.*

There were gains made toward this objective from 1998 to 2001. However, by 2002 the proportion dropped towards the 1998-99 level for some population groups. As figure 3.11 demonstrates, in 2002 the percent of women who reported having a Pap test in the preceding 3 years declined relative to that of 2001. In addition, in 2002, the number of Filipino women receiving Pap tests in the preceding 3 years dropped significantly with respect to 2001 figures, and was the lowest among all ethnic groups surveyed. From 1998 to 2001, the percentage of Hawaiian women who had a Pap test in the preceding 3 years was the lowest when compared to other ethnic groups.

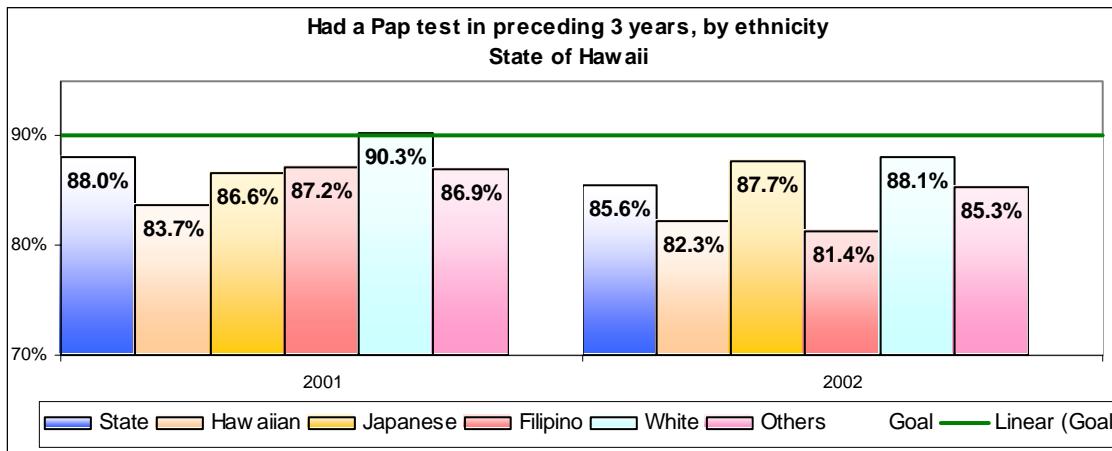


Fig 3.11

**Objective 3-12a:** *Increase the proportion of adults aged 50 years and older who have received a fecal occult blood test (FOBT) within the preceding 2 years to 50%.*

In 2002, the proportion who received FOBT within the preceding 2 years decreased significantly relative to the 2001 rate in almost every ethnic group with the exception of those who belong to the catch all ethnic category "others".

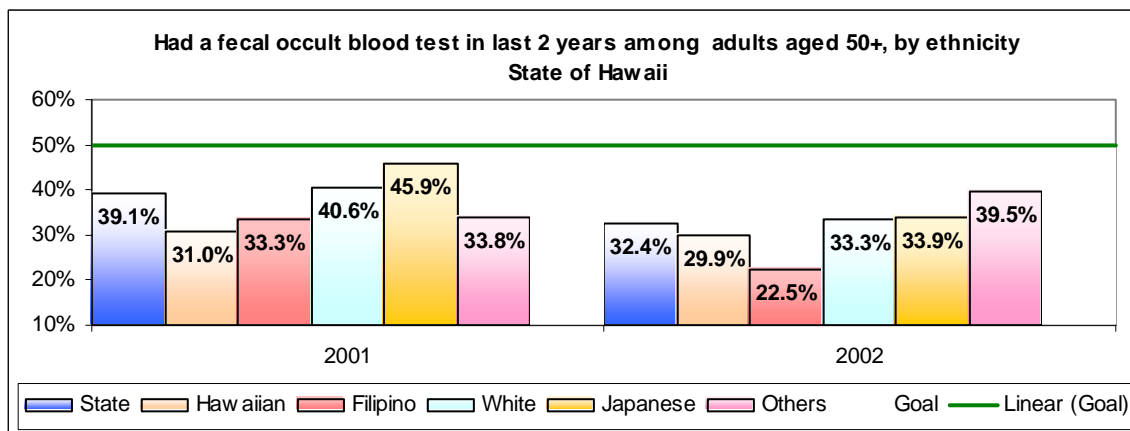
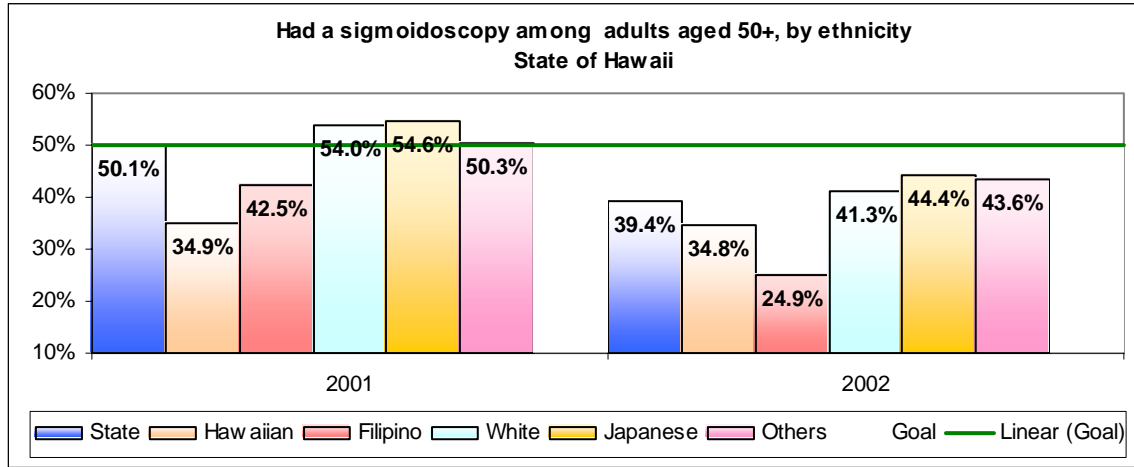


Fig 3.12a

**Objective 3-12b:** Increase the proportion of adults aged 50 years and older who have ever received a sigmoidoscopy to 50%.

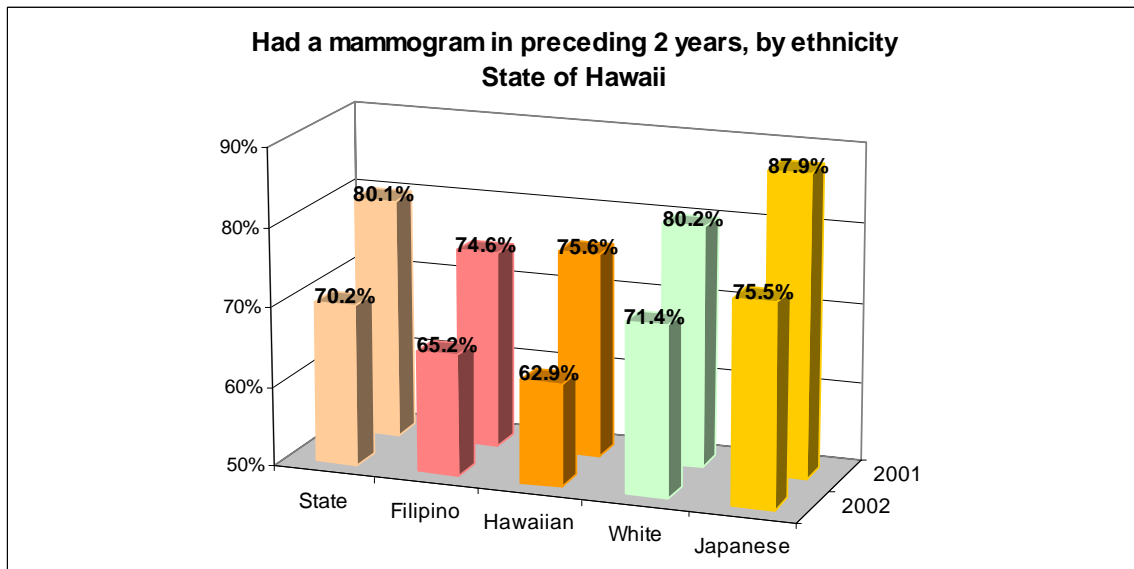
There is a significant decline in the proportion of adults aged 50 years and older who had received sigmoidoscopy in 2002 relative to 2001 in almost every ethnic group.



**Fig 3.12b**

**Objective 3-13:** Increase the proportion of women aged 40 years and older who have received a mammogram within the preceding 2 years to 70%.

The percentage of women forty years old or older receiving a mammogram within the preceding two years declined significantly from 80.1 in 2001 to 70.2 in 2002. In both years, Hawaiian women, followed by Filipino women, were the least likely to obtain a mammogram (Fig 3.13).



**Fig 3.13**

## DIABETES

We covered four objectives for this topic area.

**Objective 5-3:** *Reduce the overall rate of diabetes that is clinically diagnosed to 2.5%.*

As illustrated in Figure 5.3, from the year 2000 to 2002, the diabetes prevalence rate in the state was more than twice the HP2010 goal. The diabetes prevalence rate of Whites is the lowest compared to the Japanese, Filipinos and Hawaiians but it is trending upward. The Hawaiians continue to exhibit the highest burden of diabetes (Fig. 5.3).

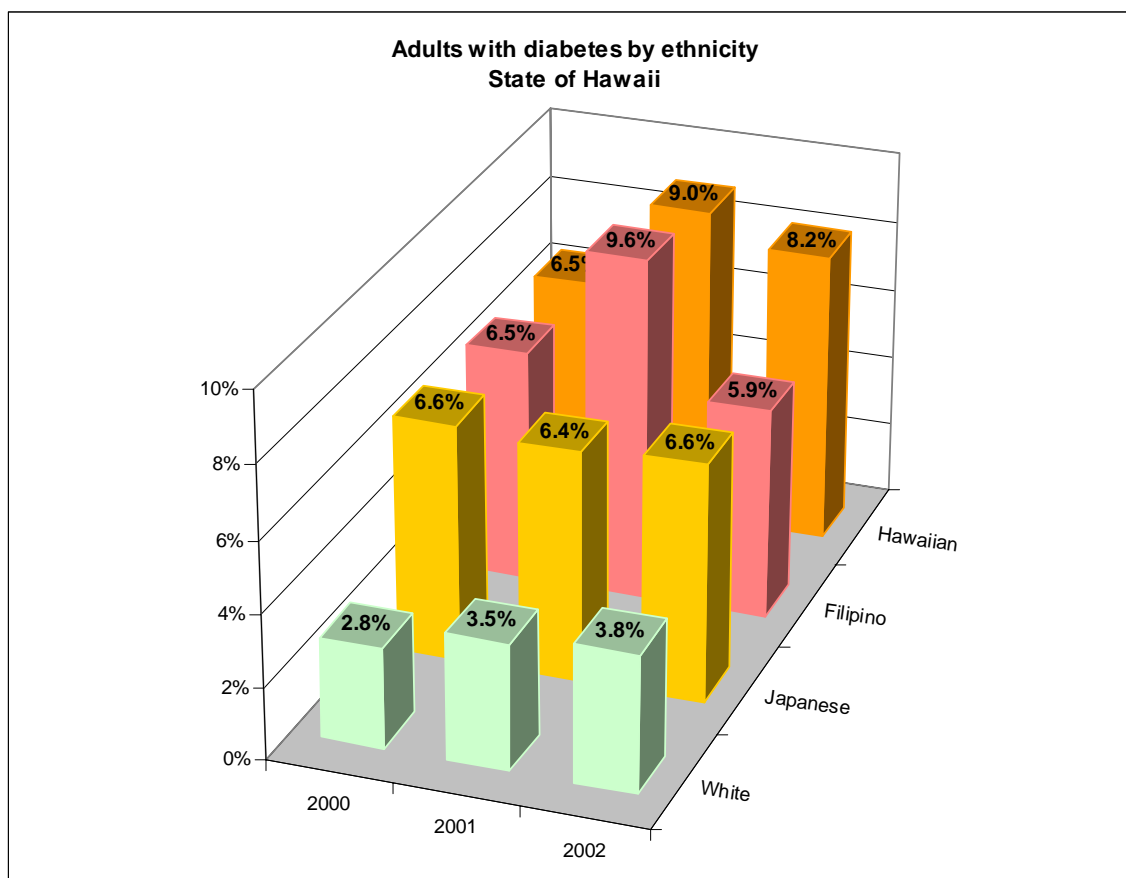


Fig 5.3

**Objective 5-1:**

*Increase the proportion of persons with diabetes who receive formal diabetes education to 60%.*

**Objective 5-12:**

*Increase the proportion of adults with diabetes who have a glycosylated hemoglobin measurement at least once a year to 50%.*

**Objective 5-13:**

*Increase the proportion of adults (aged 18+) with diabetes who have an annual dilated eye examination to 75%.*

**Objective 5-14:**

*Increase the proportion of adults with diabetes who have at least an annual foot examination to 75%.*

Individuals who have diabetes need to take steps or measures to properly manage and control their diabetes. The state of Hawaii surpasses the HP2010 goals with respect to the percentage of adults with diabetes who received a glycosylated hemoglobin measurement; obtained an annual dilated eye exam; and who received an annual foot exam. However, it is below HP2010 in the proportion of adults with diabetes and received formal diabetes education (53.4% vs. 60%).

### Highlights

## HEART DISEASE AND STROKE

In the BRFSS questionnaire, the questions used to obtain data for the following three objectives were asked every other year.

**Objective 12-9:** *Reduce the proportion of adults (aged 20+) with high blood pressure to 16%.*

Hawaiians exhibit the highest percentage of adults suffering from high blood pressure when compared with other ethnic groups in Hawaii. In contrast, Whites represent the ethnic group with the lowest percentage of adults with high blood pressure.

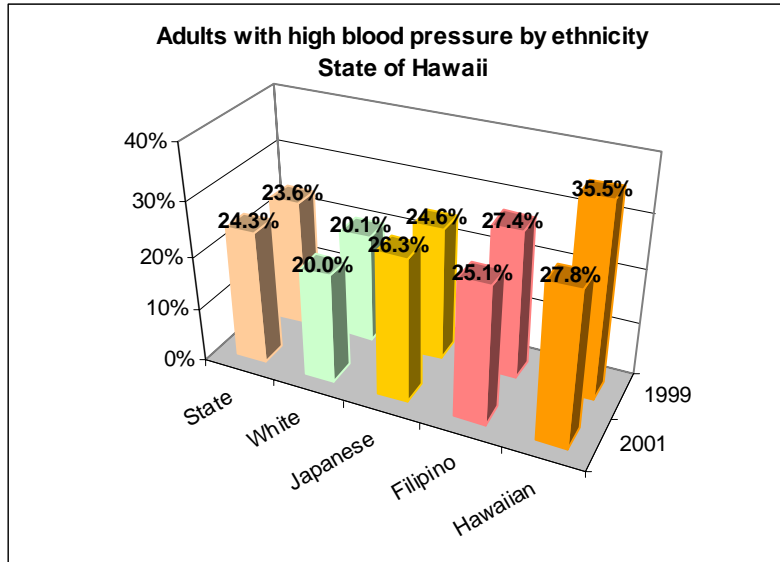


Fig 12.9

**Objective 12-14:** *Reduce the proportion of adults (aged 20+) with high total blood cholesterol levels to 17%.*

**Objective 12-15:** *Increase the proportion of adults who have had their blood cholesterol checked within the preceding 5 years to 80%.*

As illustrated by Figure 12.14-15, significantly more residents had their blood cholesterol checked in 2001 relative to 1999 (73.9% vs. 64.6%). However, the state is still below the HP2010 goal of 80%. There was a slight decline in the percentage of adults diagnosed with high cholesterol from 26.3 in 1999 to 23.3 in 2001, but these percentages are higher than the 17% HP2010 goal.

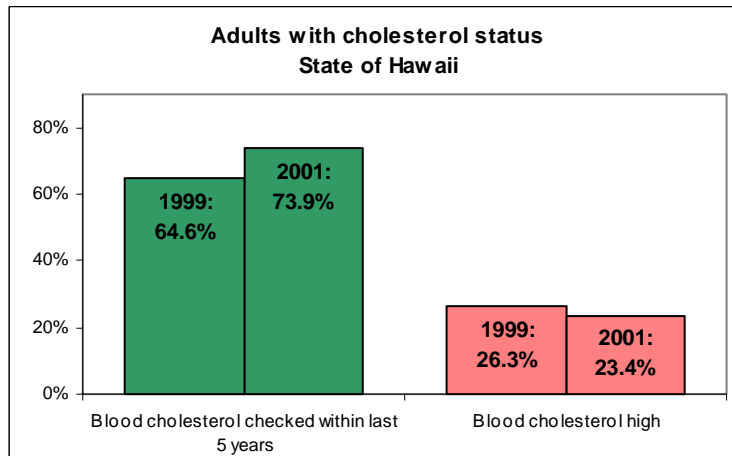


Fig.12.14-15

## IMMUNIZATION

We compiled data for the following objectives:

### Objective 14-29a & 14-29b

*Increase the proportion of adults aged 65 years and older who are vaccinated annually against influenza and ever vaccinated against pneumococcal disease to 90%.*

Flu and pneumonia are two of the most common causes of death among older Americans. However, in 2002, the vaccination rate against flu among residents aged 65 and over was only 73.5%, which is significantly lower than the HP210 goal of 90%. The vaccination rate against pneumonia among this subpopulation is even lower.

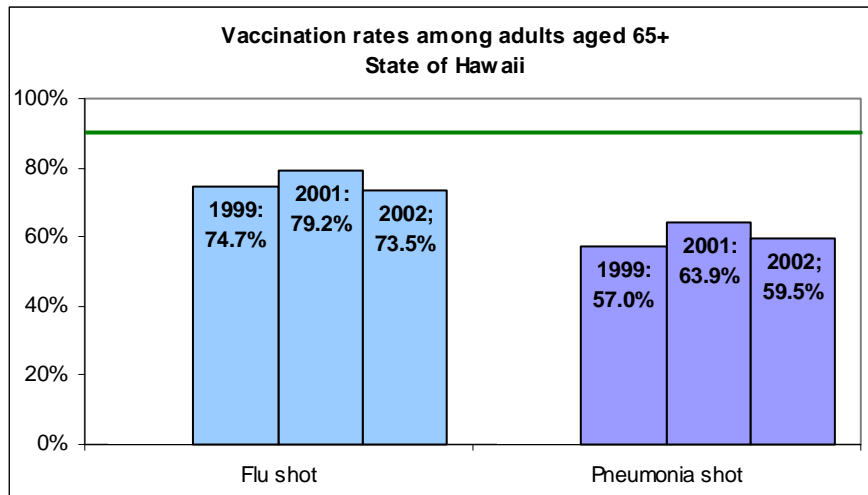


Fig. 14.29a&b

### Objective 14-29c & 14-29d

*Increase the proportion of adults aged 18 to 64 who are vaccinated annually against influenza and ever vaccinated against pneumococcal disease to 60%.*

Vaccination rates for both flu and pneumonia are very low among younger Hawaii residents as shown in the figure below.

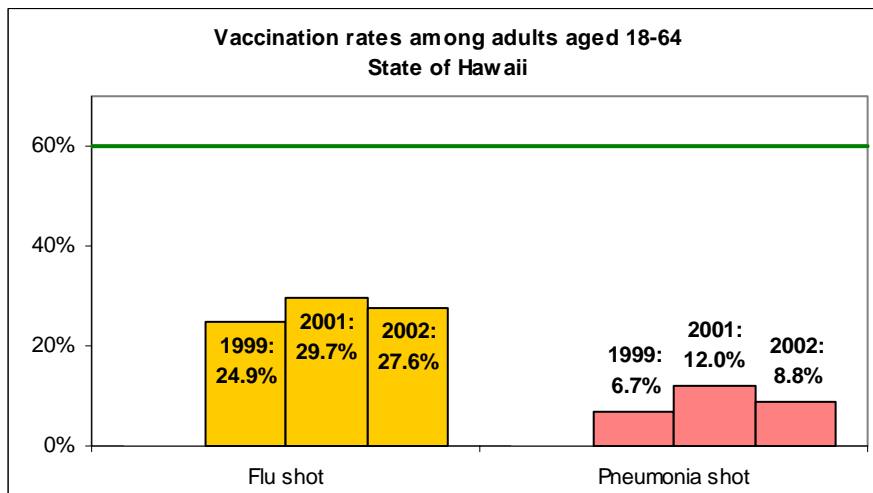


Fig. 14.29c&d

## NUTRITION AND OVERWEIGHT

In this area, the HBRFSS data allows us to examine the following four objectives:

**Objective 19-1:** Increase the proportion of adults (aged 20+) who are at healthy weight to 60%.

**Objective 19-2:** Reduce the proportion of adults (aged 20+) who are obese to 15%.

The percentage of men with healthy-weight is much lower than that of women (Fig. 19.1).

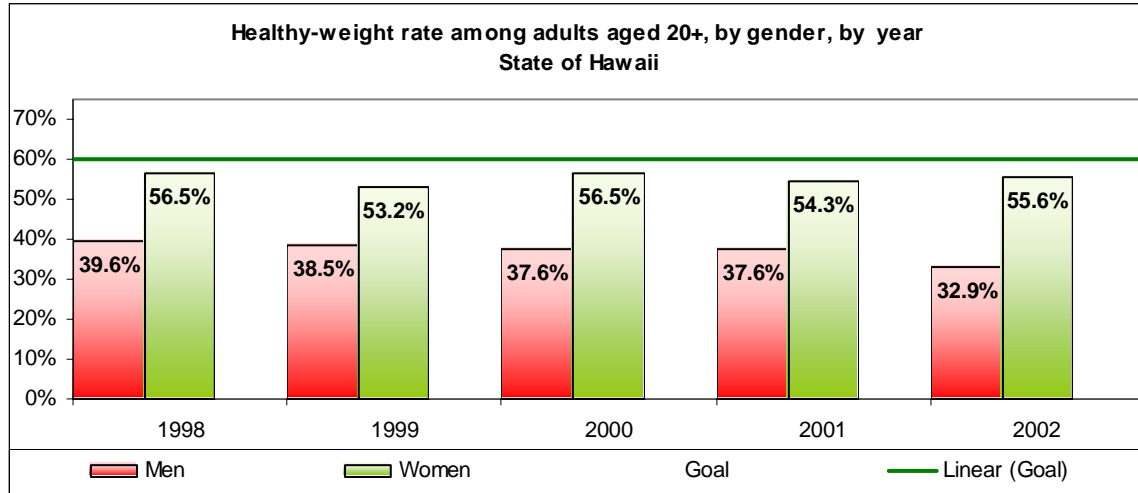


Fig. 19.1

Concomitantly, the obesity rate for men is much higher than that of women (fig. 19.2). Note also that the obesity rates among men are trending upward in recent years, in addition to being higher than the HP2010 target of 15%. By ethnicity, between 1998 and 2002, more than 30% of Hawaiians are obese which is about twice as much when compared to Whites and more than twice as much when compared to Filipinos and Japanese.

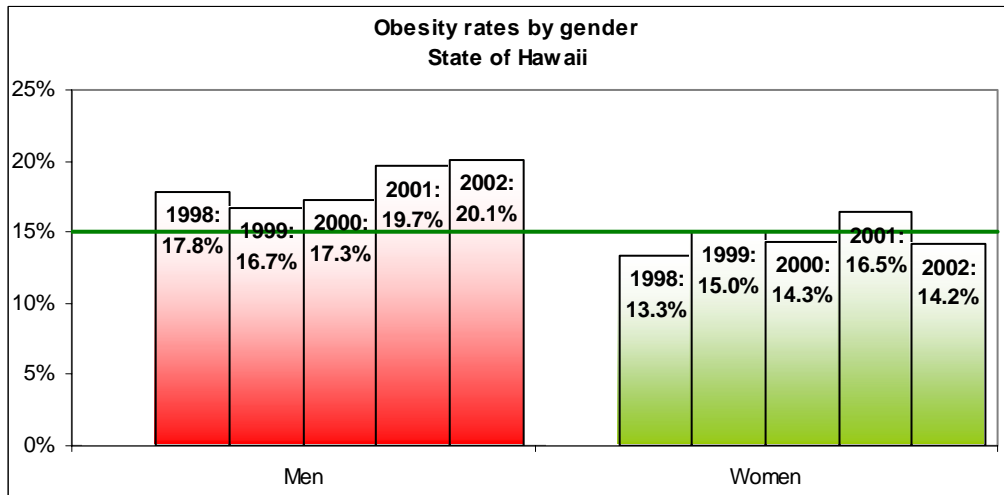


Fig. 19.2

**Objective 19-5:** Increase the proportion of persons (aged 2 years and older) who consume at least two daily servings of fruit to 75%.

**Objective 19-6:** Increase the proportion of persons (aged 2 years and older) who consume at least three daily servings of vegetables, with at least one-third being dark green or orange vegetables to 50%.

Less than 10% of the adults consumed two or more servings of fruits daily and just about 20% consumed 3 or more servings of vegetables daily, way below the HP2010 goals.

### Highlights



## ORAL HEALTH

For this topic area, HP2010 used the crude rates for the dental health targeted objectives. Hence, what were presented in this section are the crude rates using the HBRFSS dataset.

**Objective 21-3:** *Increase the proportion of adults (aged 35 - 44) who have never had a permanent tooth extracted because of dental caries or periodontal disease to 42 %.*

**Objective 21-4:** *Reduce the proportion of older adults (aged 65 to 74) who have had all their natural teeth extracted to 20%.*

According to the existing data, the state has achieved the three objectives in this topic area. The results were much better than the HP2010 targeted goals.

Even when ethnicity was accounted for, the proportion of adults aged 35 to 44 who had no natural teeth extracted had exceeded the outlined HP2010 goal, as demonstrated in the figure below. However, the proportions of Filipinos and Hawaiians with all natural teeth are much lower compared to Japanese, White and others.

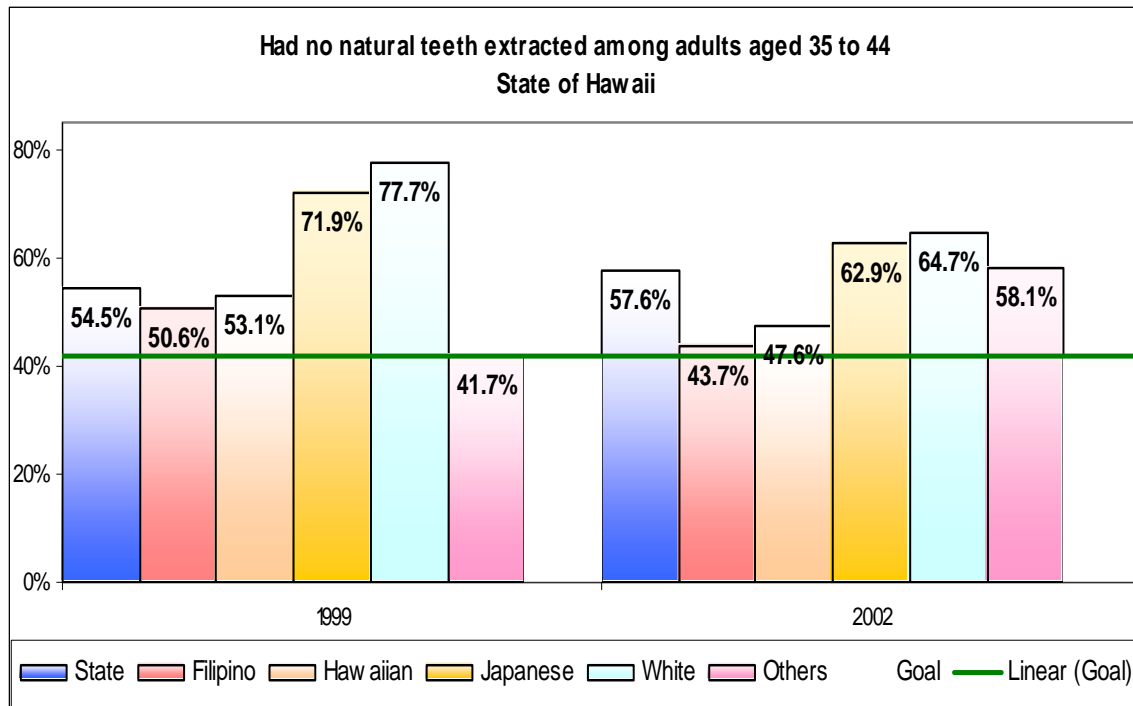


Fig. 21.3

**Objective 21-10:** *Increase the proportion of children and adults who use the oral health care system each year to 56%.*

Although, overall the state have met the HP2010 goals for dental health, adults in the state who have limited education or less education appear to be falling behind in meeting the HP2010 dental health objectives. The sample size is small, (less than 50) for this group of adults when examining HP 21.3 and 21.4 objectives, so we cannot draw solid conclusion. However, using the HP21.10 objective operationally defined as visiting dentist or dental clinic, the sample size is sufficient. It showed that less than 50% of those with limited or less education visited the dentist, much lower than the 56% goal of HP2010 objective 21.10.

For HP objective 21.10, although the state has met this objective, the results showed a significant dropped in 'last year's dentist visit' reported during 1999 and 2002 (74.7% vs. 65.2%) survey years. Closer look in the supplement charts showed that the decline in the dental visit proportion is significant among the Japanese, Hawaiians and Others. In addition, the proportion of adults who 'visited the dentist last year' is lowest among Hawaiians compared to the rest of the ethnic groups and slightly below the goal during the survey year 2002 (54.1% vs. 56%). By county, the four counties registered drop in dental visits and the drop is significant in Honolulu county and Maui county.

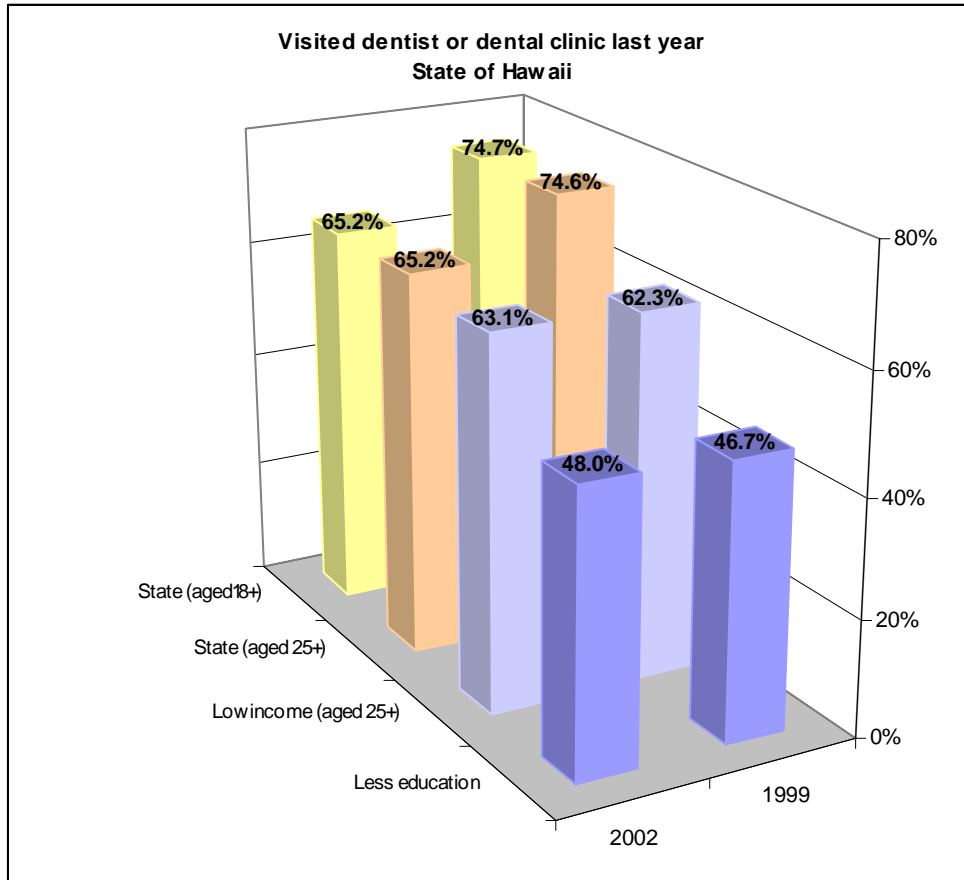


Fig 21.10

## PHYSICAL ACTIVITY

HBRFSS data allow us to cover 3 physical activity related objectives:

**Objective 22-1:** *Reduce the proportion of adults who engage in no leisure-time physical activity to 20%.*

Statewide, we have made strides in reducing the proportion of adults who engaged in no leisure time physical activity for two consecutive years. However, we should pay more attention to the subpopulation of adults with less education. The prevalence of people who engage in no leisure time physical activity in this subset is rather high: *more than 30% since 1999.*

By ethnic groups, only the Filipinos have not met the HP2010 objective 22-1. The percentage of Filipinos with no leisure time physical activity in any given year (1998 to 2002) is higher than 20%.

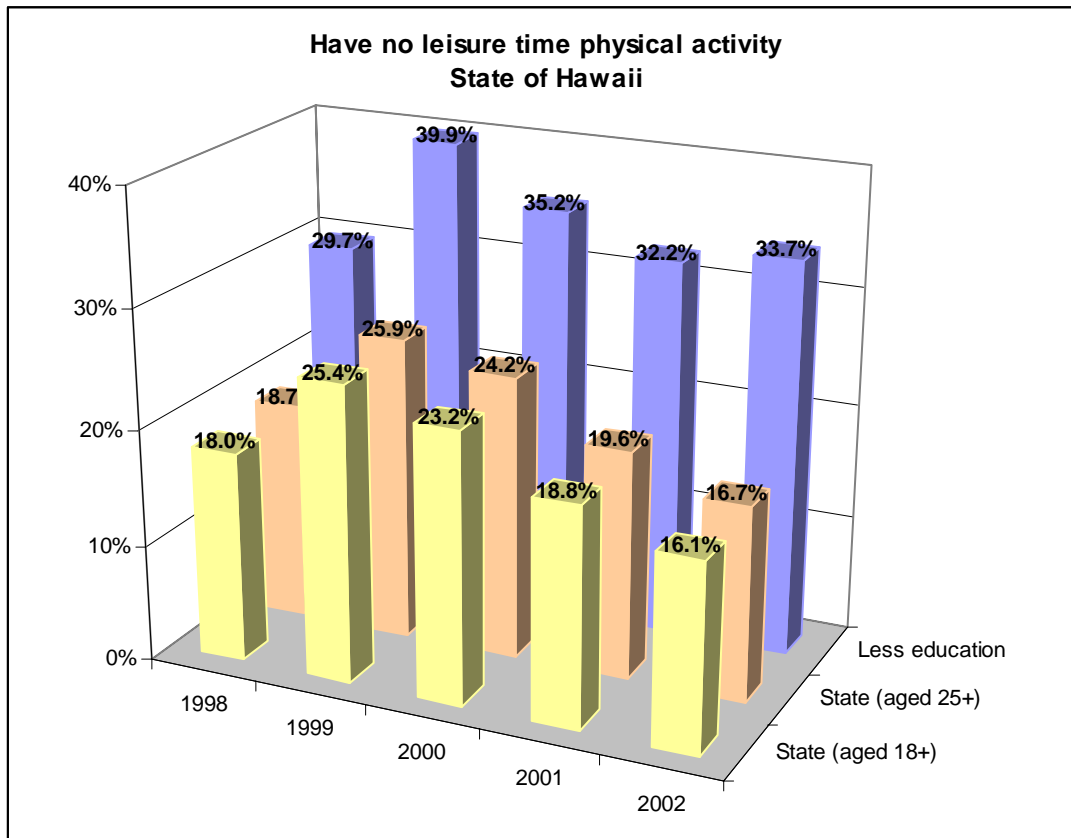


Fig. 22.1

**Objective 22-2:** Increase the proportion of adults who engage regularly, preferably daily, in moderate physical activity for at least 30 minutes per day to 30%.

**Objective 22-3:** Increase the proportion of adults who engage in vigorous physical activity that promotes the development and maintenance of cardiorespiratory fitness 3 or more days per week for 20 or more minutes per occasion to 30%.

For objective 22-2, the State of Hawaii has met the goal and exceeded the goal. More than 30% of the adults in the state do moderate physical activity. However, with respect to engaging in vigorous physical activity (Fig 22.3), only the men met the goal. In figure 22.3, we can see that men are more likely to engage in vigorous physical activities compared to women. There is also a slight drop in the percentage of men and women who engaged in vigorous physical activity between 2001 and 2002. By ethnicity, more than 30% of the Whites were engaged in vigorous physical activities in 2001 and 2002, thereby meeting the HP2010 goal of 30%.

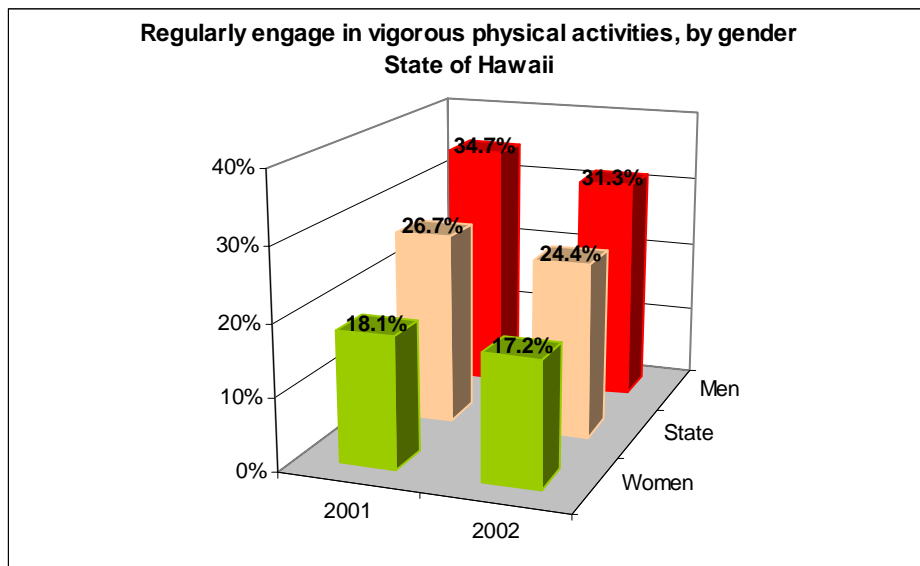


Fig 22.3

## SUBSTANCE ABUSE

In this area, we only have data for one objective:

**Objective 26-11c:** *Reduce the proportion of persons engaging in binge drinking of alcoholic beverages to 6%.*

In general, men engage in binge drinking of alcoholic beverages more than women as illustrated in the figure 26.11c 1. The women has achieved and surpassed the goal in the last two years. In contrast, the men are very far from reaching the goal. Relative to 1999 level, the percentage of adults who engaged in binge drinking declined moderately in recent years. The percentage of binge drinking is highest among Hawaiians.

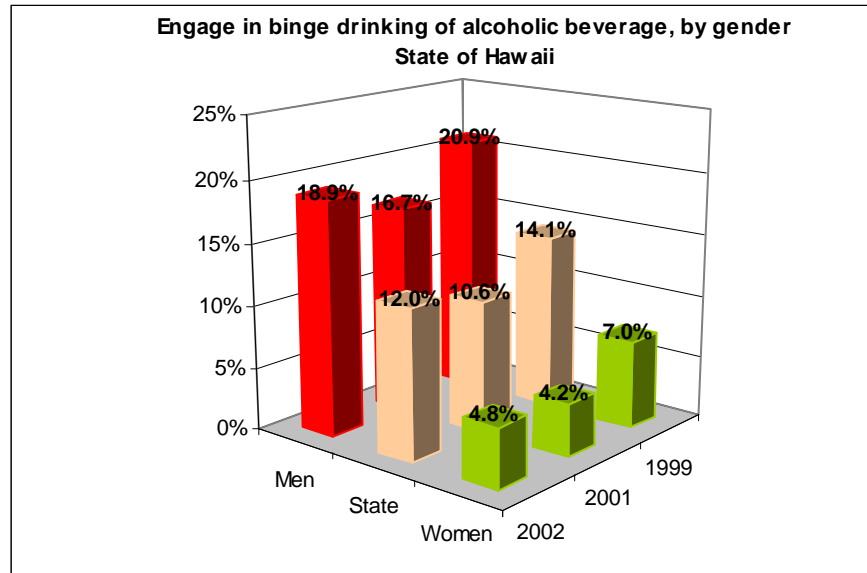


Fig. 26.11c1

For the three year period, the Honolulu County has the lowest binge drinking proportions compared to the neighboring counties but still far from reaching the goal.

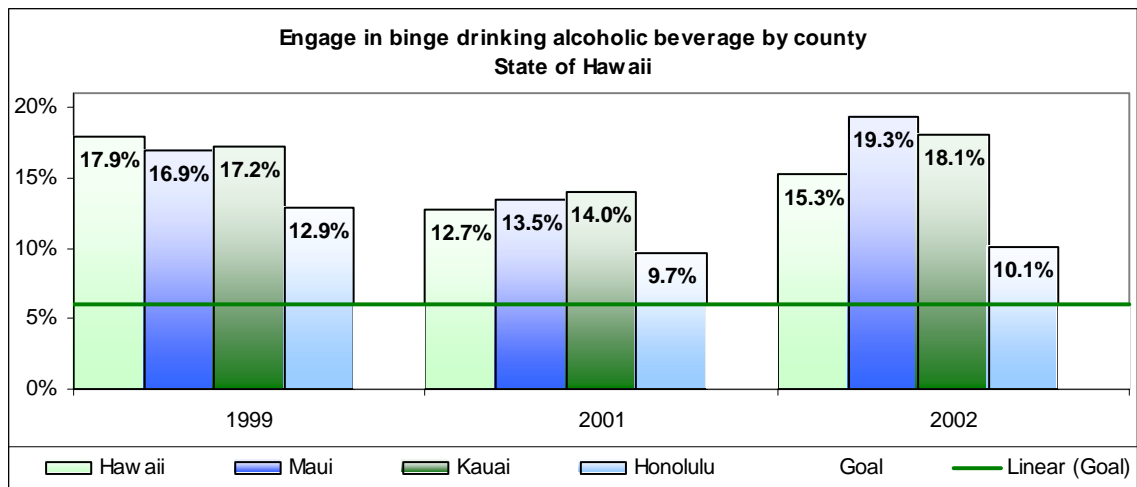


Fig. 26.11c2

## TOBACCO USE

Tobacco use is an important issue when examining the health of individuals as well as the community. Some objectives of HP2010 were set in an effort to strive to reduce illness, disability, and death related to tobacco use as well as exposure to secondhand smoke.

Among these goals, reducing the proportion of people who use tobacco is of primary concern in this area.

**Objective 27-1a:** *Reduce proportion of adults age 18 years or older who smoke to 12%.*

The county of Honolulu has the lowest adult smoking rate compared to the neighboring counties. From 1998 to 2000, the Hawaii County has the highest adult smoking rate. However, in 2001 and 2002, the counties of Maui and Kauai have the highest rate (fig. 27.1). In addition, the increased in adult smoking percentages in 2002 relative to 2000 in Kauai and Maui counties are significant.

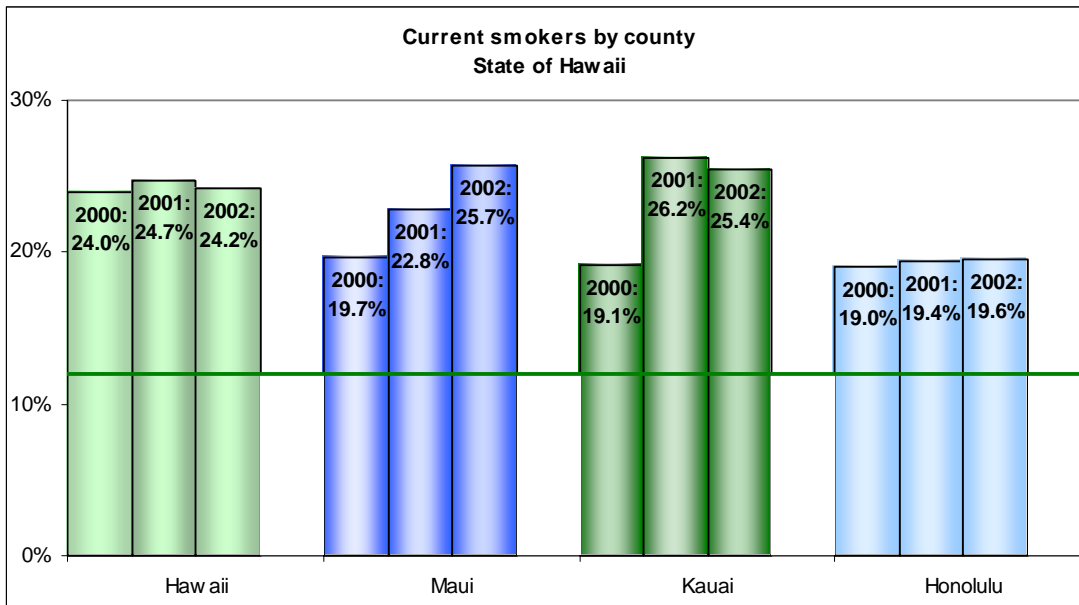


Fig. 27.1a

Among the ethnicity groups, Hawaiian had the highest prevalence of current smokers in consecutive years since 1998. Filipino seemed to have the lowest prevalence. However, the prevalence of current smokers in this group is trending upwards (Fig. 27.1B).

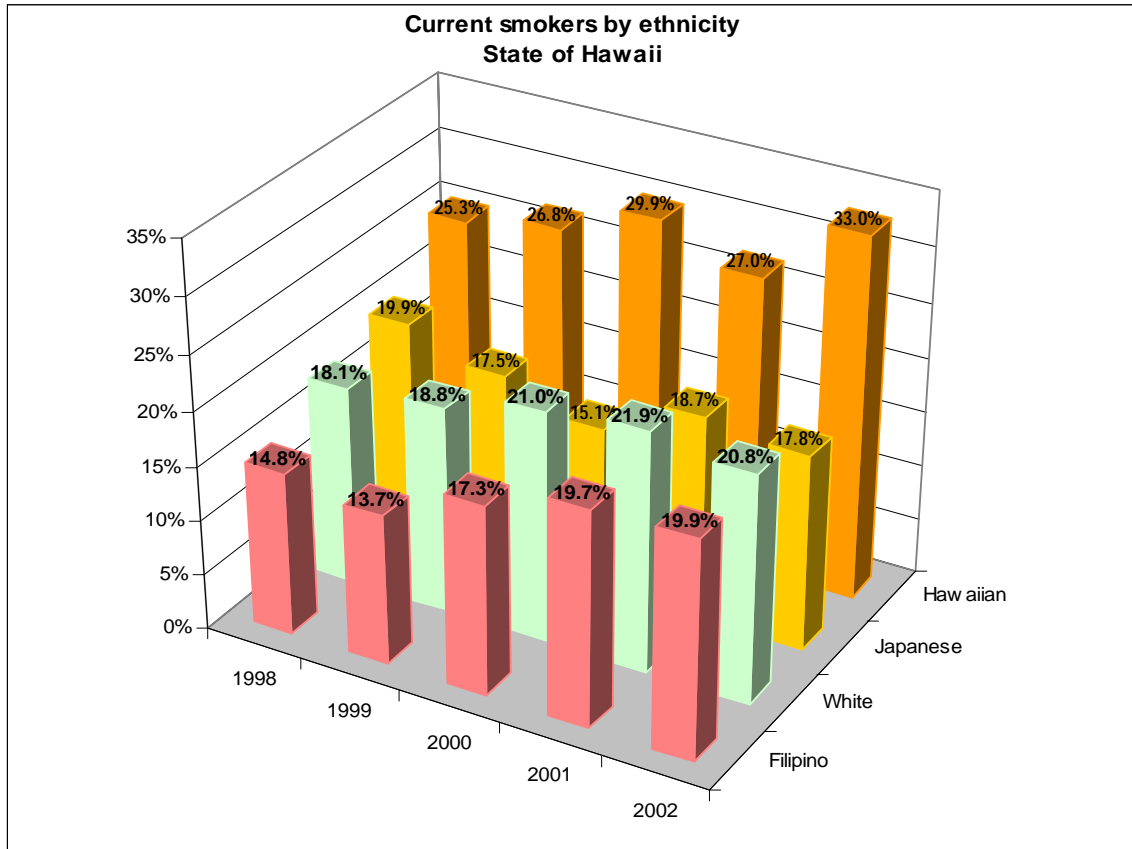


Fig. 27.1b

**Objective 27-5: Increase smoking cessation attempts by adult smokers to 75%.**

While the percentage of current smokers in recent years rose slightly, the percentage of adults who have participated in smoking cessation efforts has declined in every county (fig. 27.5) after reaching a peak in 2000 or 2001 in the case of Maui County. The state is still far from achieving the smoking attempt cessation HP2010 goal of 75% (fig 27.5).

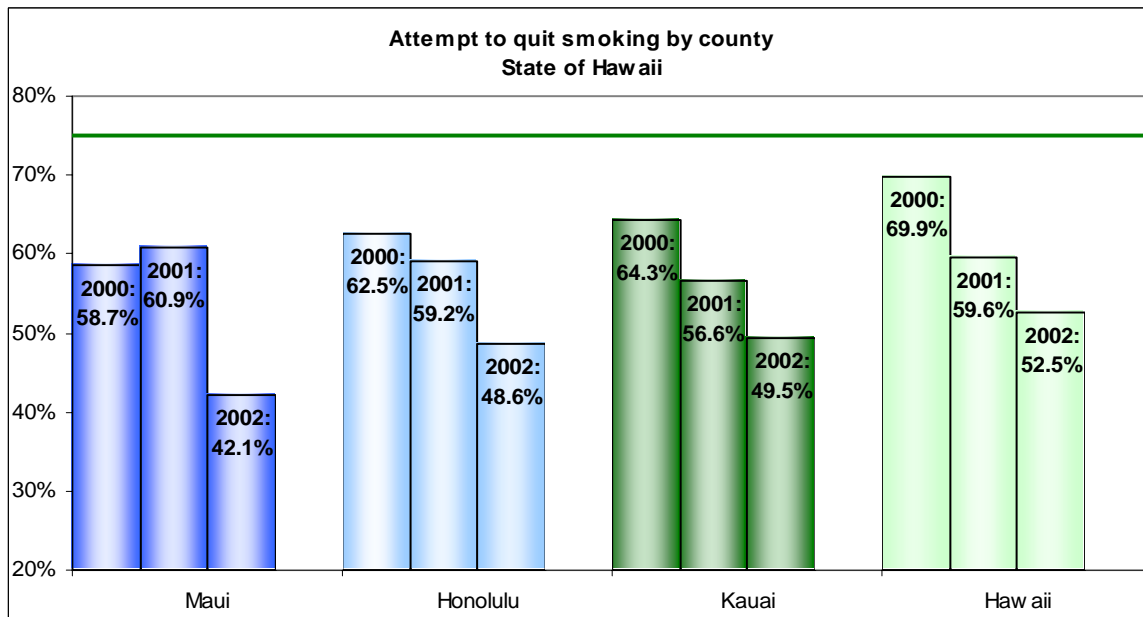


Fig. 27.5

## **DETAILS TOPIC AREAS**



## **ACCESS TO QUALITY HEALTH SERVICE**

**Objective 1.1:**

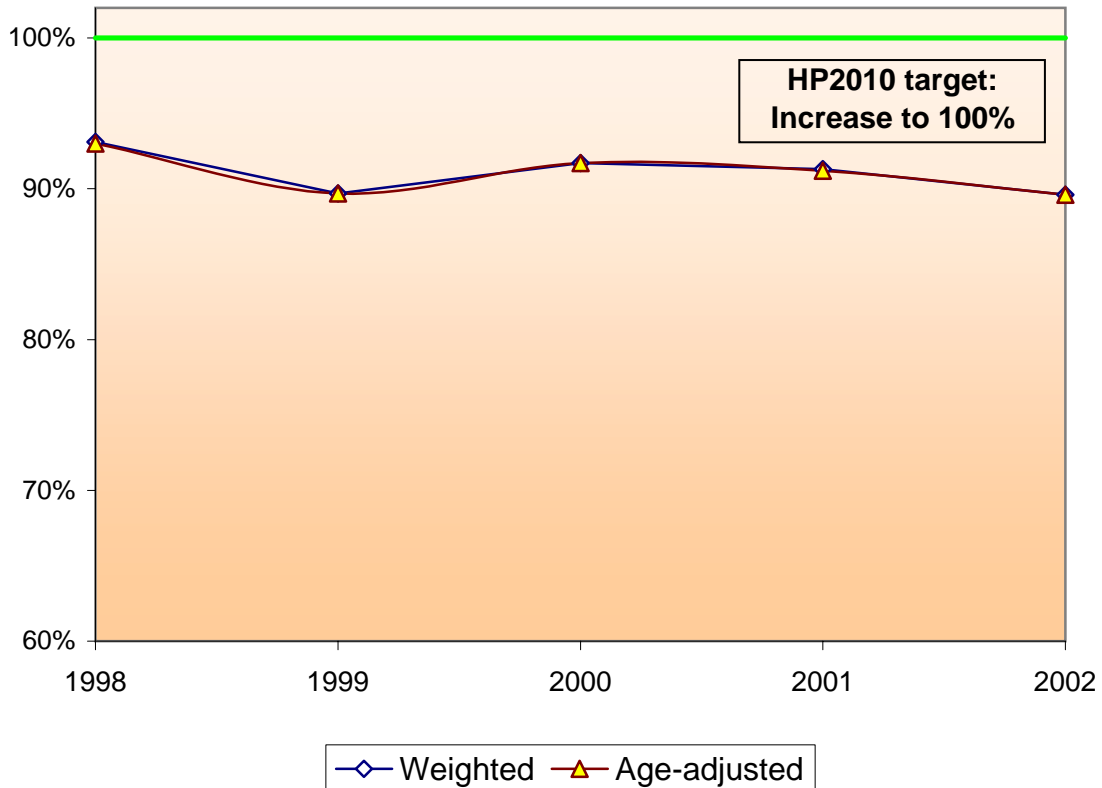
*Increase the proportion of persons under age 65 years with health insurance to **100%**.*

**Objective 1.4c:**

*Increase the proportion of adults aged 18 years and older who have a specific source of ongoing care to **96%***

## OBJECTIVE 1-1

**Percent of adults aged 18 to 64 who have health insurance  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	1627	1561	4448	3322	4240
DO NOT HAVE	156	196	429	355	511
TOTAL	1783	1757	4877	3677	4751

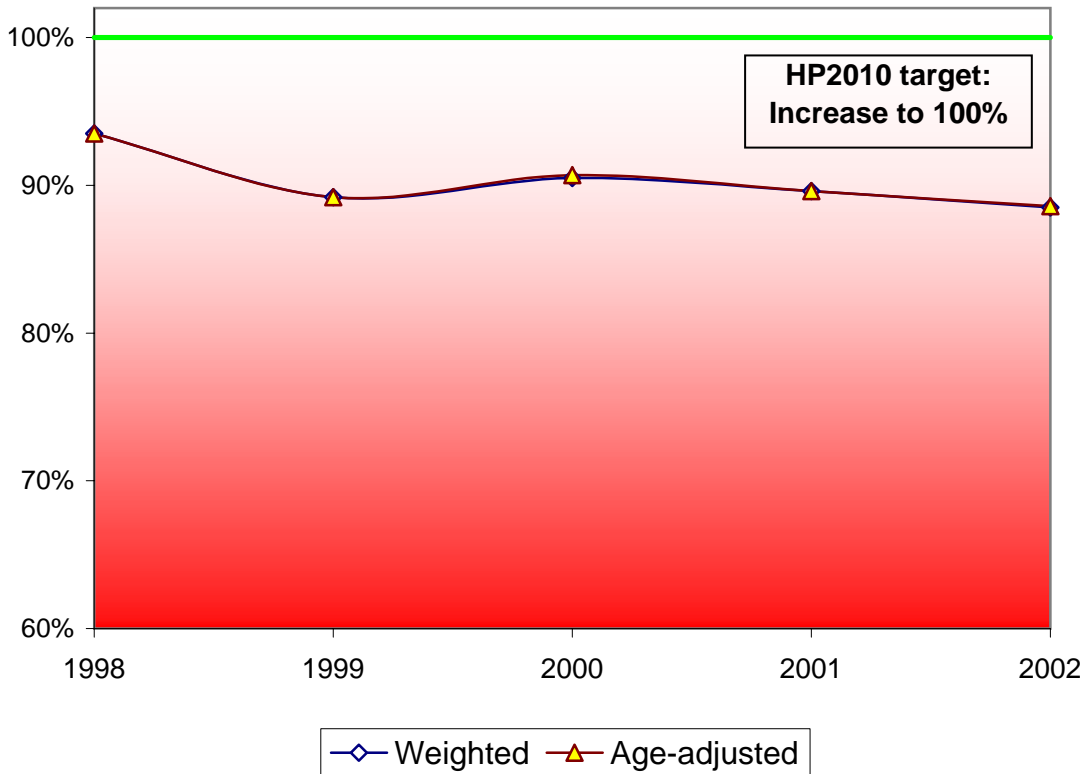
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	93.1	89.7	91.7	91.3	89.6
C.I (95%)	(91.4 - 94.4)	(87.7 - 91.4)	(90.6 - 92.7)	(89.9 - 92.5)	(88.4 - 90.7)
Age-adjusted percent	93.0	89.7	91.7	91.2	89.6
C.I (95%)	(91.3 - 94.3)	(87.6 - 91.4)	(90.6 - 92.7)	(89.8 - 92.4)	(88.4 - 90.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 1

**Percent of men aged 18 to 64 who have health insurance  
Hawaii, 1998-2002**



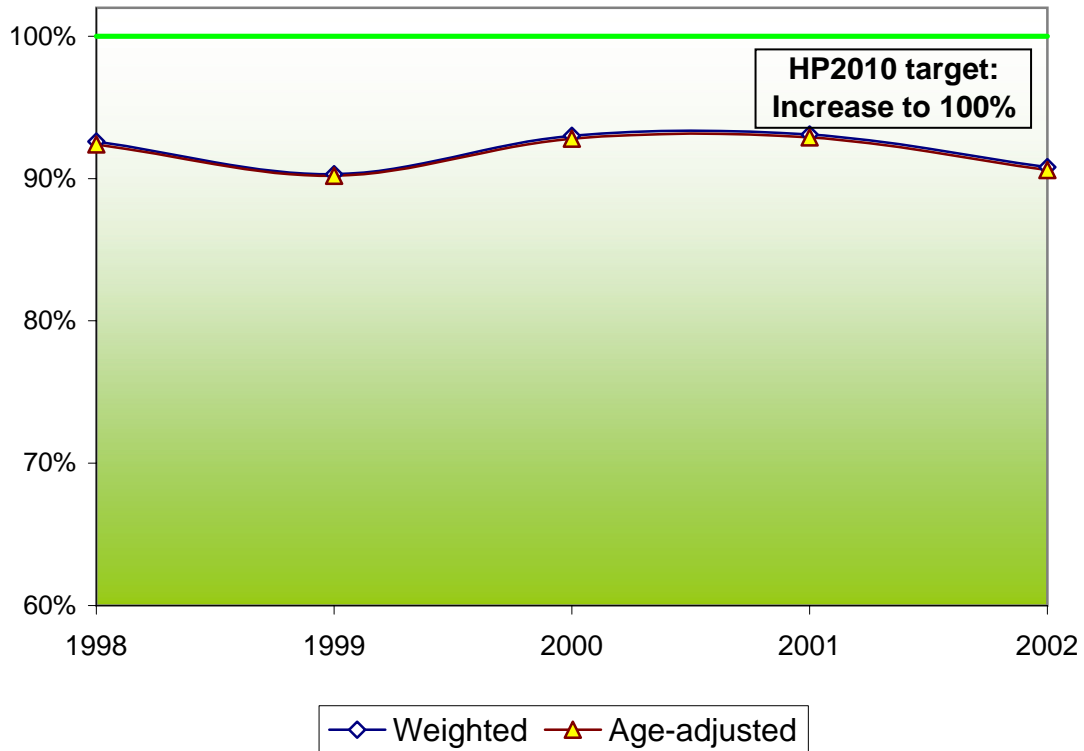
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	729	728	2015	1439	1853
DO NOT HAVE	74	104	236	185	267
TOTAL	803	832	2251	1624	2120

PERCENT	1998	1999	2000	2001	2002
Weighted percent	93.5	89.2	90.5	89.6	88.5
C.I (95%)	(91.2 - 95.3)	(86.1 - 91.6)	(88.8 - 92.1)	(87.3 - 91.5)	(86.6 - 90.1)
Age-adjusted percent	93.5	89.2	90.7	89.6	88.6
C.I (95%)	(91.3 - 95.3)	(86.1 - 91.6)	(88.9 - 92.2)	(87.3 - 91.5)	(86.8 - 90.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 2

**Percent of women aged 18 to 64 who have health insurance  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	898	833	2433	1883	2387
DO NOT HAVE	82	92	193	170	244
TOTAL	980	925	2626	2053	2631

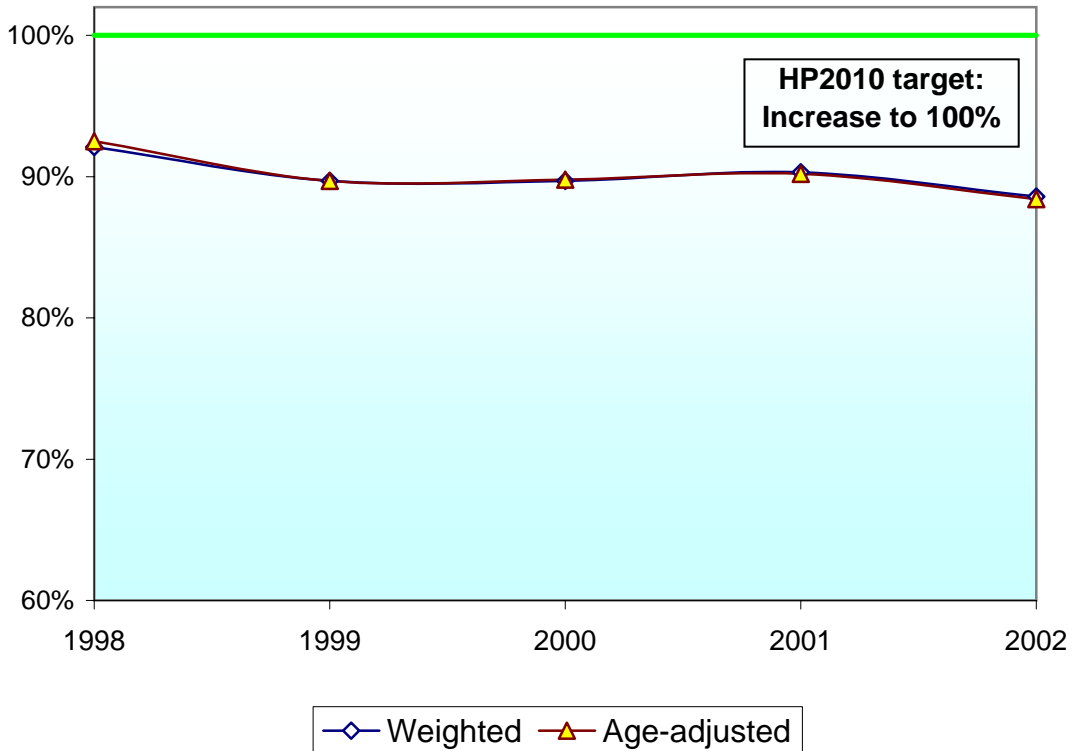
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	92.6	90.3	93.0	93.1	90.8
C.I (95%)	(90.1 - 94.5)	(87.5 - 92.6)	(91.6 - 94.1)	(91.6 - 94.4)	(89.2 - 92.1)
Age-adjusted percent	92.4	90.2	92.8	92.9	90.6
C.I (95%)	(89.8 - 94.4)	(87.3 - 92.5)	(91.4 - 94.0)	(91.3 - 94.3)	(89.0 - 92.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 1-1/ SUPPLEMENT 3**

**Percent of White adults aged 18 to 64 who have health insurance  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	632	361	1660	1374	1783
DO NOT HAVE	85	48	219	193	255
TOTAL	717	409	1879	1567	2038

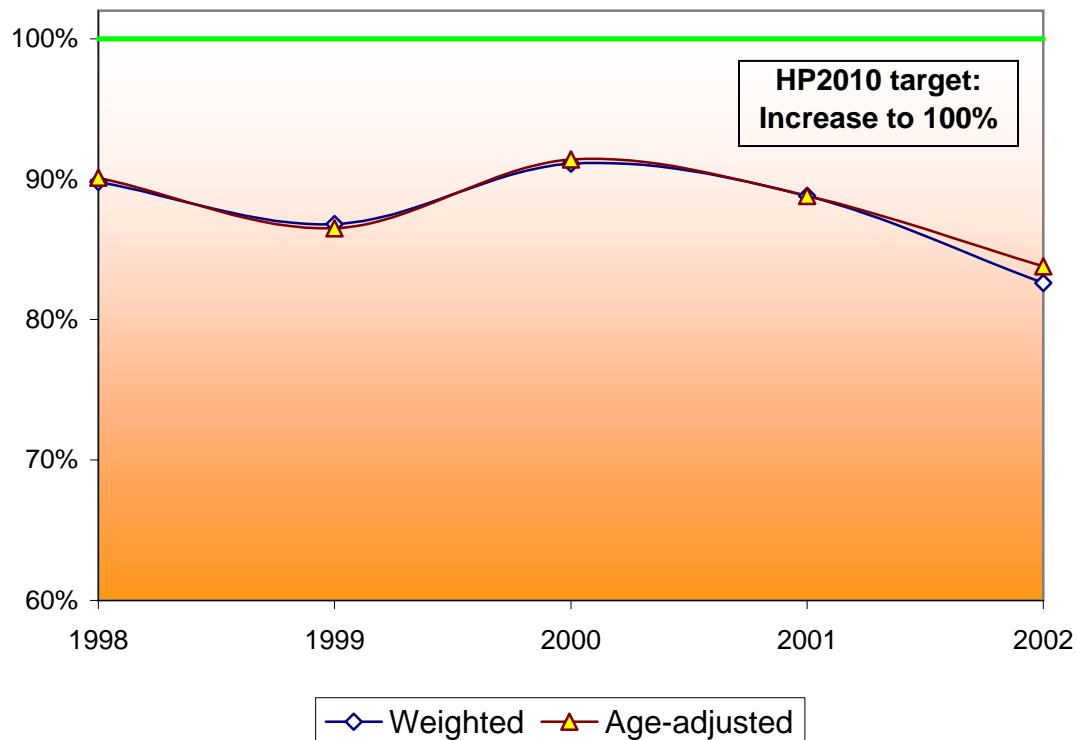
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	92.1	89.7	89.7	90.3	88.6
C.I (95%)	(89.5 - 94.1)	(89.4 - 92.9)	(87.8 - 91.4)	(88.3 - 92.0)	(86.7 - 90.2)
Age-adjusted percent	92.5	89.7	89.8	90.2	88.4
C.I (95%)	(90.1 - 94.4)	(85.2 - 92.9)	(87.8 - 91.4)	(88.0 - 92.0)	(86.5 - 90.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 4

**Percent of Hawaiians aged 18 to 64 who have health insurance  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	237	176	744	460	565
DO NOT HAVE	26	24	69	48	95
TOTAL	263	200	813	508	660

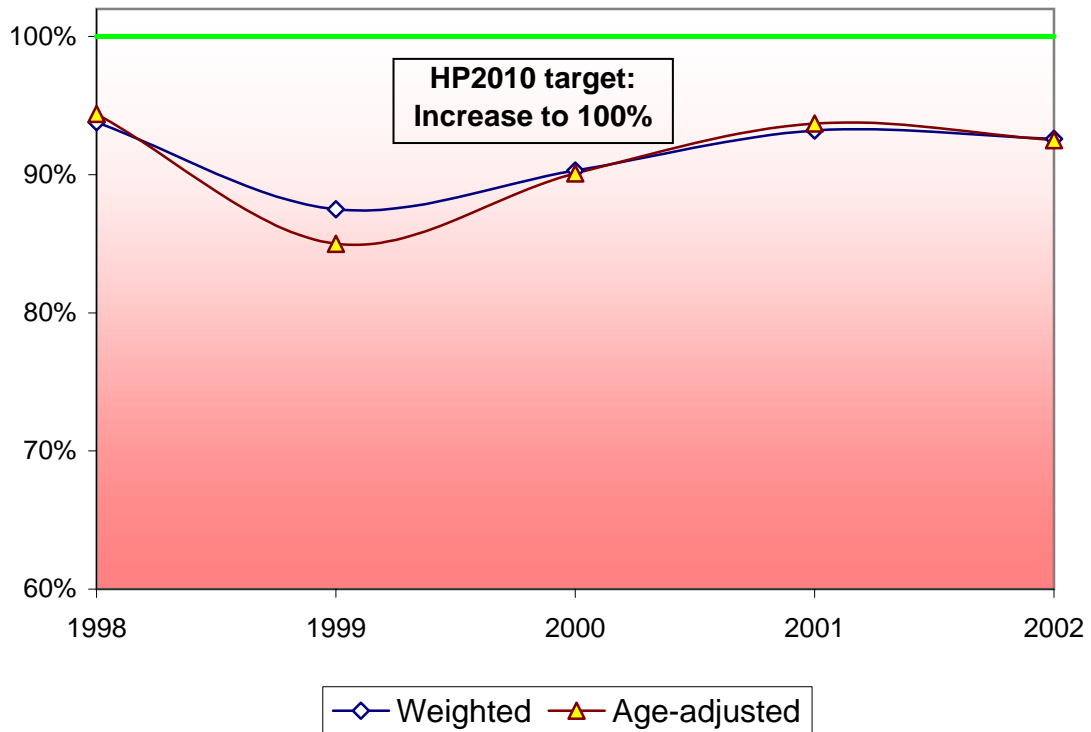
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	89.8	86.8	91.1	88.8	82.6
C.I (95%)	(83.8 - 93.7)	(78.4 - 92.3)	(88.1 - 93.5)	(84.1 - 92.2)	(77.9 - 86.4)
Age-adjusted percent	90.1	86.5	91.4	88.8	83.8
C.I (95%)	(84.7 - 93.7)	(78.4 - 91.8)	(88.3 - 93.7)	(84.0 - 92.3)	(79.8 - 87.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 5

**Percent of Filipinos aged 18 to 64 who have health insurance  
Hawaii, 1998-2002**



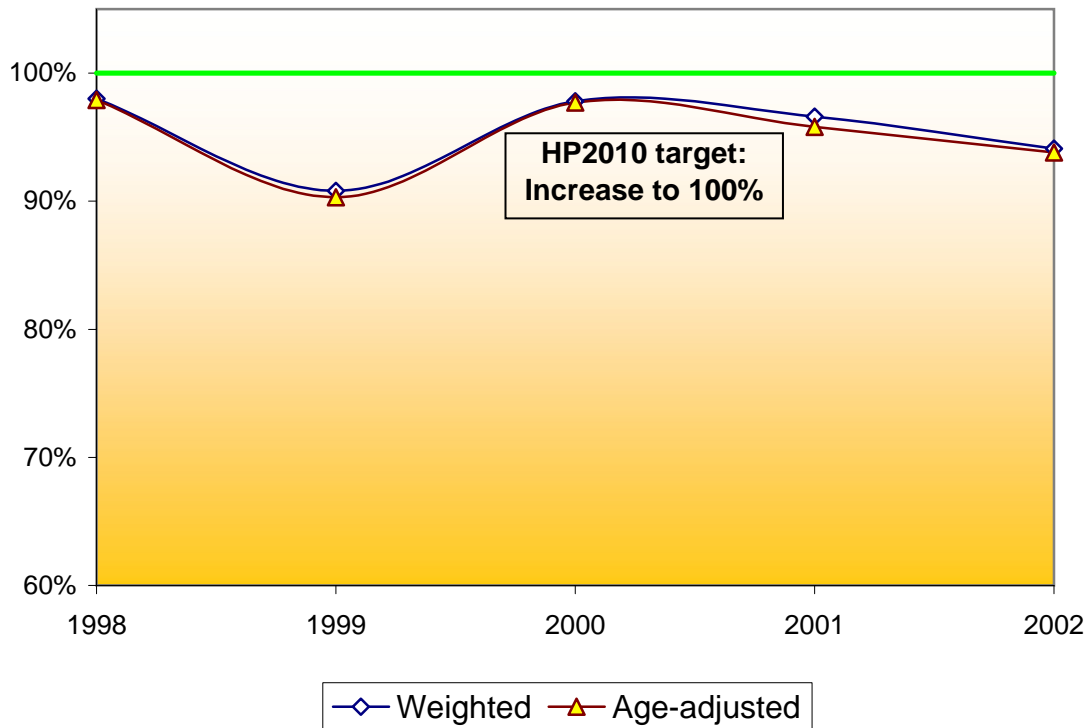
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	195	136	565	436	588
DO NOT HAVE	15	19	49	29	52
TOTAL	210	155	614	465	640

PERCENT	1998	1999	2000	2001	2002
Weighted percent	93.8	87.5	90.3	93.2	92.6
C.I (95%)	(88.8 - 96.7)	(79.4 - 92.7)	(86.1 - 93.3)	(88.9 - 96.0)	(89.7 - 94.7)
Age-adjusted percent	94.4	85.0	90.1	93.7	92.5
C.I (95%)	(89.9 - 97.0)	(76.1 - 90.0)	(86.2 - 93.1)	(89.9 - 96.2)	(89.5 - 94.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 6

**Percent of Japanese aged 18 to 64 who have health insurance  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	323	210	845	567	700
DO NOT HAVE	10	24	21	22	38
TOTAL	333	234	866	589	738

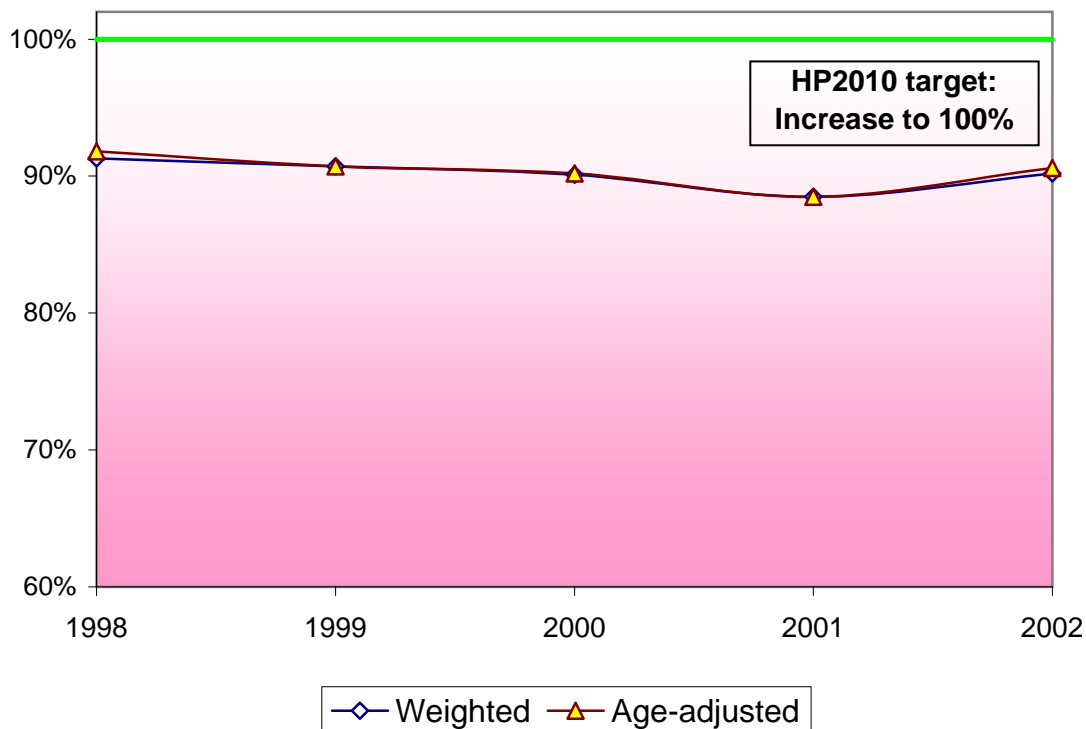
PERCENT	1998	1999	2000	2001	2002
Weighted percent	98.0	90.8	97.8	96.6	94.1
C.I (95%)	(95.9 - 99.0)	(85.2 - 94.4)	(96.1 - 98.7)	(93.8 - 98.1)	(91.3 - 96.0)
Age-adjusted percent	97.9	90.3	97.7	95.8	93.8
C.I (95%)	(95.7 - 99)	(84.0 - 94.3)	(95.9 - 98.7)	(92.1 - 97.8)	(91.0 - 95.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 1-1/ SUPPLEMENT 7

**Percent of adults of other races aged 18 to 64 who have health insurance  
Hawaii, 1998-2002**



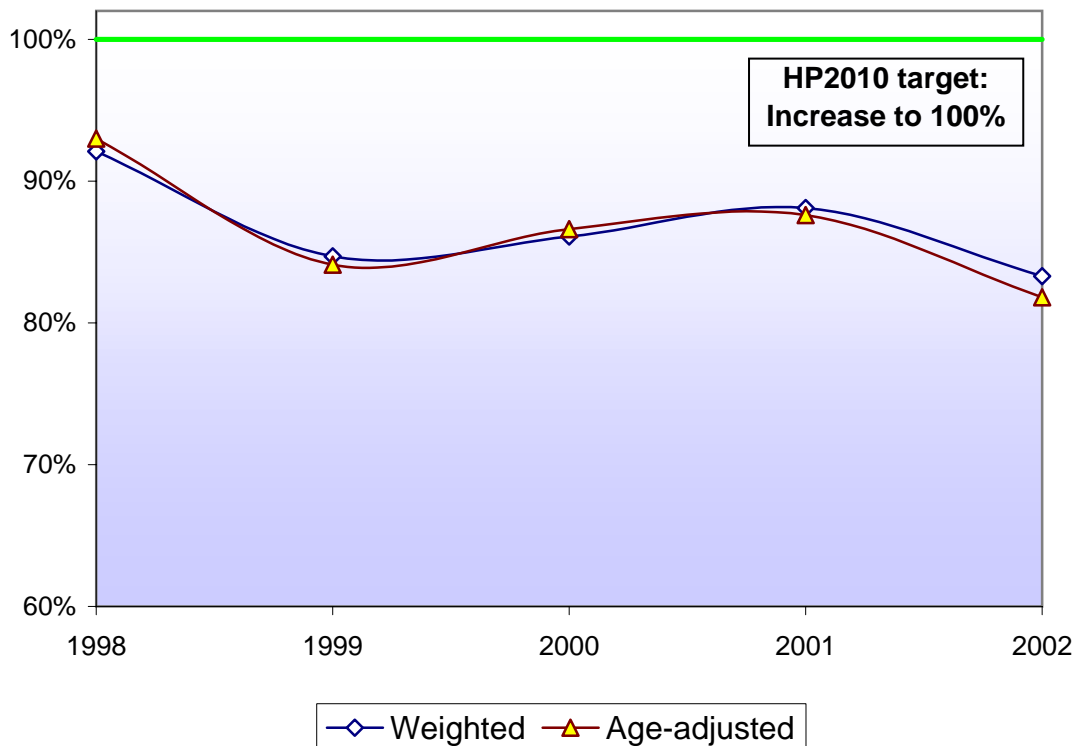
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	240	678	634	485	604
DO NOT HAVE	20	81	71	63	71
TOTAL	260	759	705	548	675

PERCENT	1998	1999	2000	2001	2002
Weighted percent	91.3	90.7	90.1	88.5	90.2
C.I (95%)	(85.1 - 95.0)	(87.6 - 93.0)	(87.0 - 92.6)	(84.1 - 91.7)	(86.9 - 92.7)
Age-adjusted percent	91.8	90.7	90.2	88.5	90.6
C.I (95%)	(86.1 - 95.2)	(87.7 - 93.0)	(87.1 - 92.7)	(84.5 - 91.6)	(87.5 - 93.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 8

**Percent of adults aged 18 to 64 in low income household who have health insurance  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	123	80	248	153	160
DO NOT HAVE	15	17	43	21	34
TOTAL	138	97	291	174	194

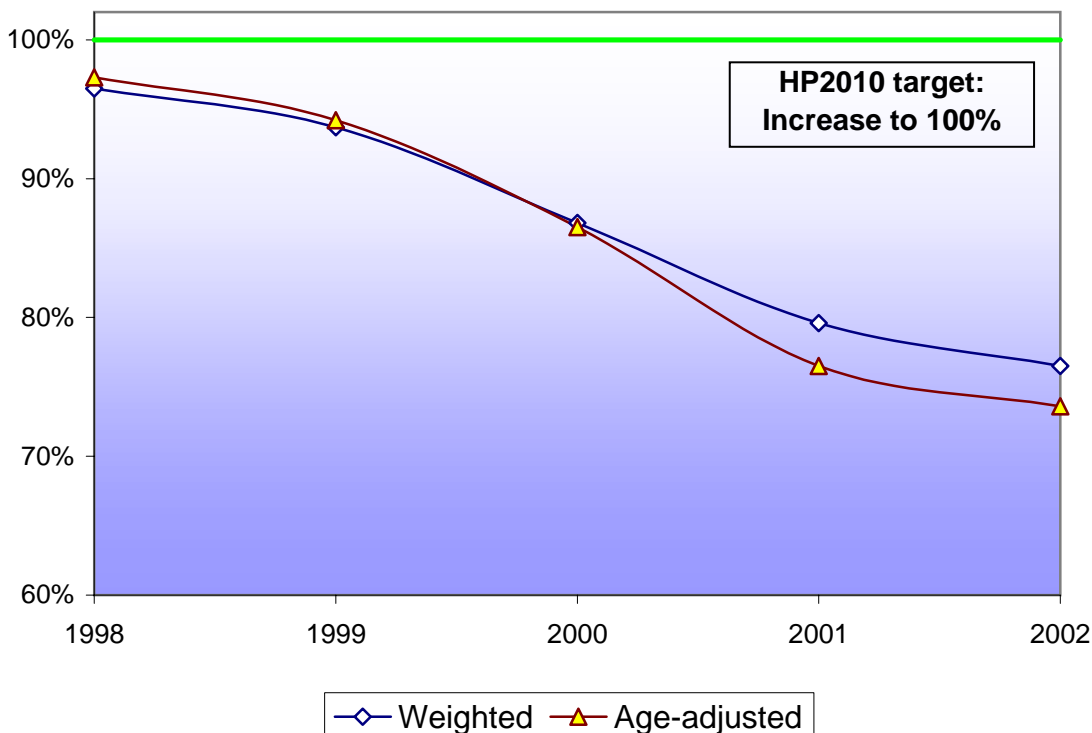
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	92.1	84.7	86.1	88.1	83.3
C.I (95%)	(84.7 - 96.0)	(72.7 - 92.0)	(80.0 - 90.6)	(79.3 - 93.4)	(75.4 - 89.0)
Age-adjusted percent	93.0	84.1	86.6	87.6	81.8
C.I (95%)	(87.3 - 96.3)	(72.1 - 91.6)	(80.4 - 91.1)	(77.5 - 93.5)	(72.3 - 88.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 9

**Percent of adults aged 25 to 64 with less education who have health insurance  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	67	58	154	103	122
DO NOT HAVE	5	5	31	21	34
TOTAL	72	63	185	124	156

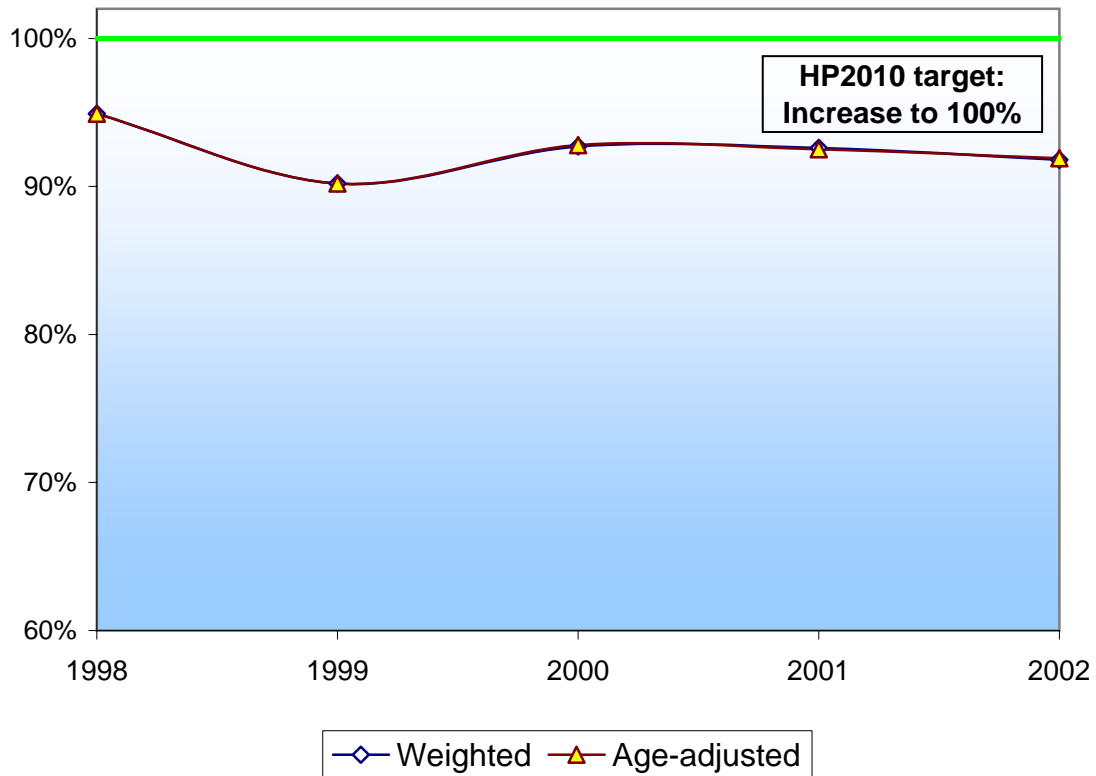
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	96.5	93.7	86.8	79.6	76.5
C.I (95%)	(90.9 - 98.7)	(83.3 - 97.8)	(79.2 - 91.8)	(67.9 - 87.8)	(66.7 - 84.1)
Age-adjusted percent	97.3	94.2	86.5	76.5	73.6
C.I (95%)	(93.0 - 99.0)	(84.7 - 98.0)	(79.2 - 91.6)	(65.2 - 85.0)	(63.0 - 82.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 10

**Percent of adults aged 18 to 64 who have health insurance  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	801	756	2114	1457	2055
DO NOT HAVE	45	87	148	100	165
TOTAL	846	843	2262	1557	2220

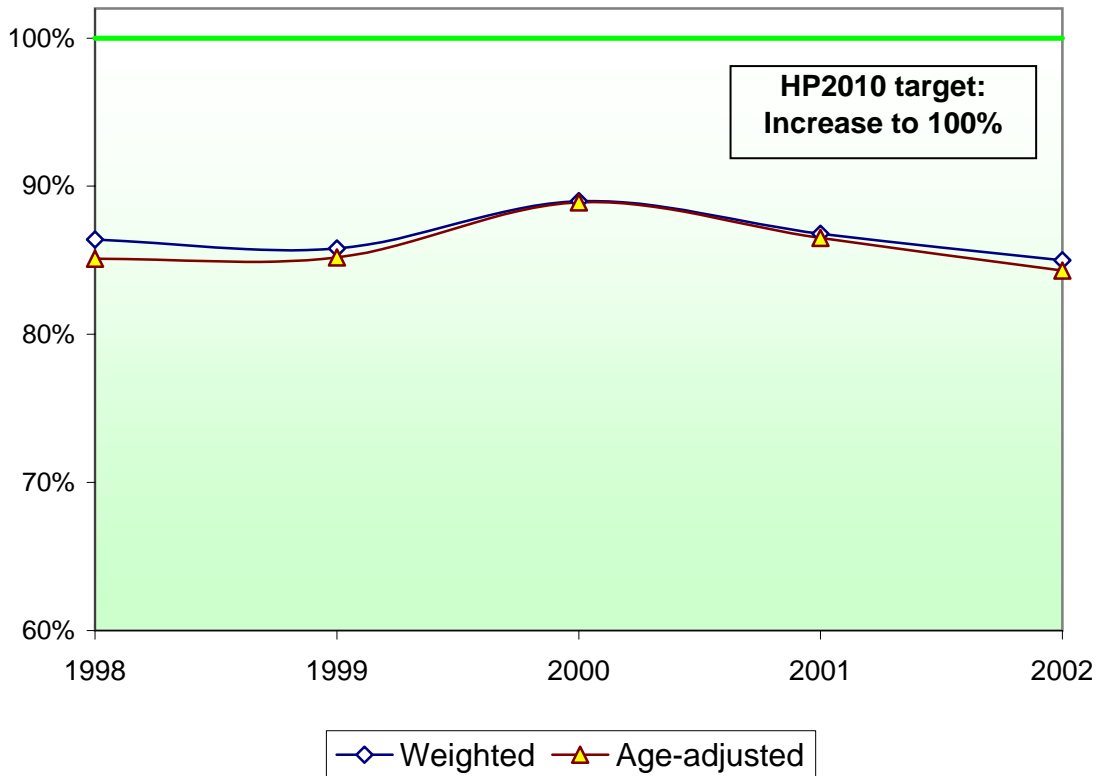
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	94.9	90.2	92.7	92.6	91.8
C.I (95%)	(92.8 - 96.4)	(87.6 - 92.3)	(91.3 - 93.9)	(90.8 - 94.1)	(90.3 - 93.1)
Age-adjusted percent	94.9	90.2	92.8	92.5	91.9
C.I (95%)	(92.9 - 96.4)	(87.6 - 92.3)	(91.4 - 94.0)	(90.8 - 94.1)	(90.4 - 93.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 11

**Percent of adults aged 18 to 64 who have health insurance  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	360	349	1029	704	917
DO NOT HAVE	55	56	126	112	137
TOTAL	415	407	1155	816	1054

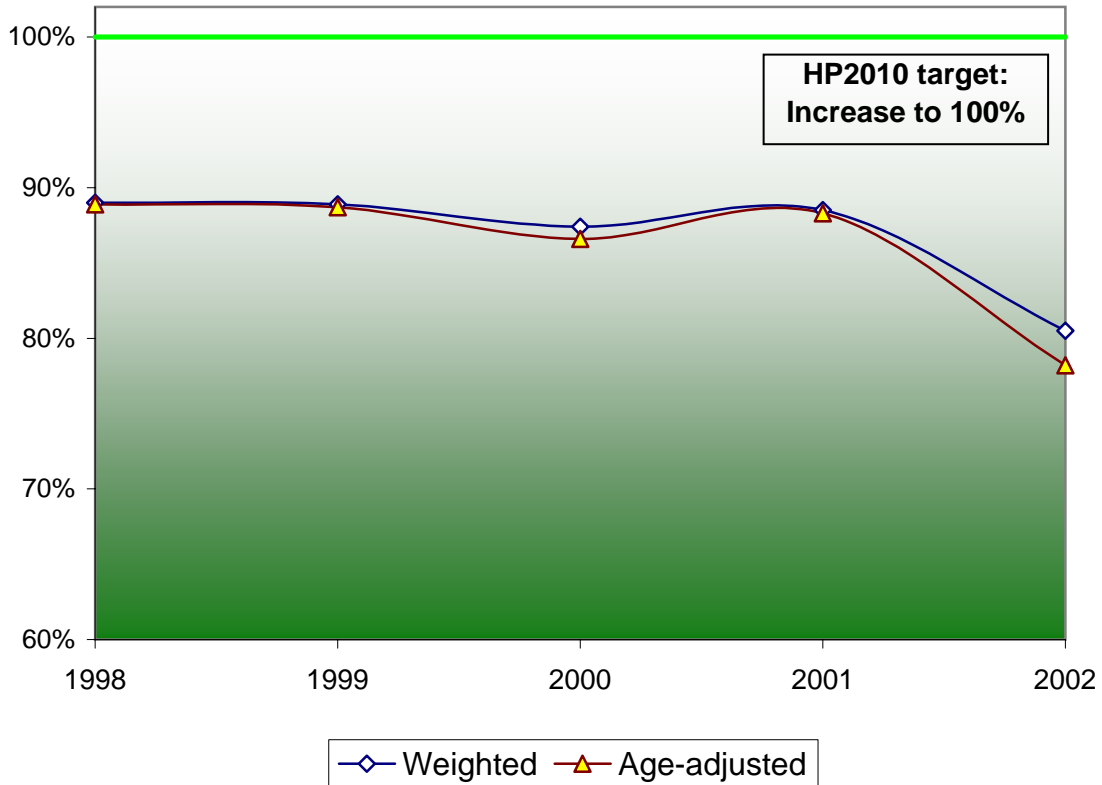
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	86.4	85.8	89.0	86.8	85.0
C.I (95%)	(81.5 - 90.2)	(81.1 - 89.5)	(86.6 - 91.0)	(84.0 - 89.2)	(82.0 - 87.6)
Age-adjusted percent	85.1	85.2	88.9	86.5	84.3
C.I (95%)	(79.6 - 89.3)	(80.4 - 88.9)	(86.5 - 90.9)	(83.5 - 89.0)	(81.1 - 87.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 12

**Percent of adults aged 18 to 64 who have health insurance  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	153	141	430	407	406
DO NOT HAVE	18	17	56	48	70
TOTAL	171	158	486	455	476

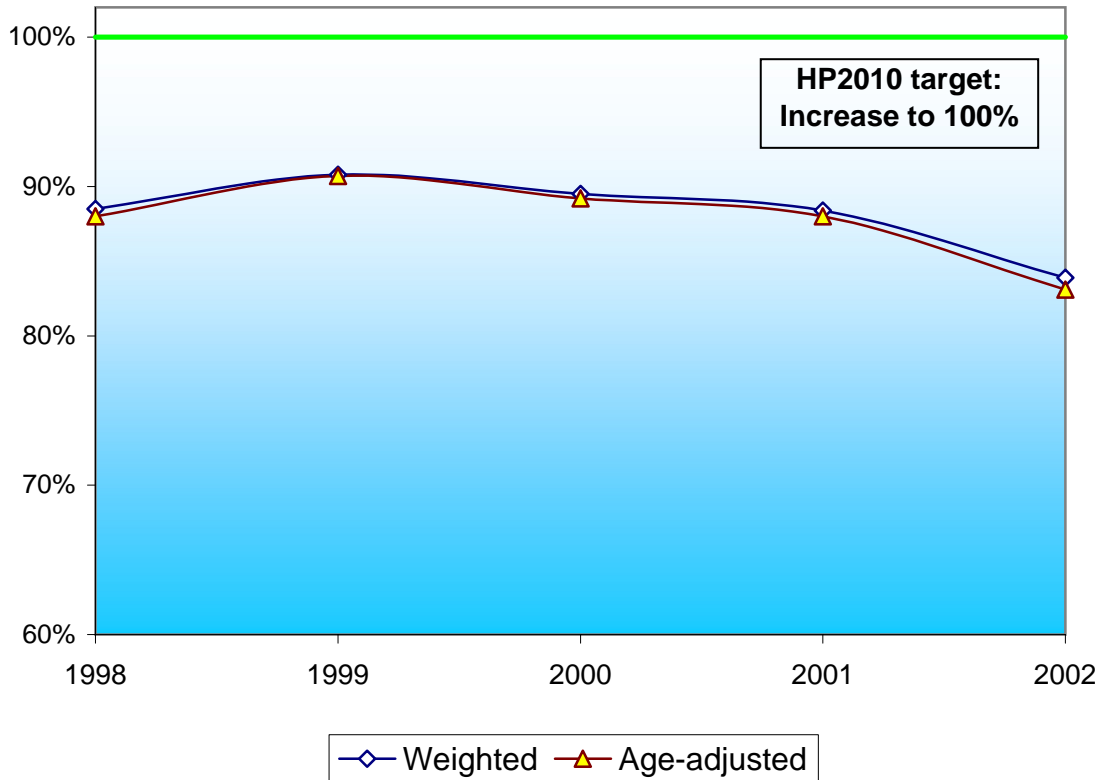
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	89.0	88.9	87.4	88.5	80.5
C.I (95%)	(80.5 - 94.1)	(81.8 - 93.5)	(82.8 - 90.9)	(84.4 - 91.6)	(75.3 - 84.9)
Age-adjusted percent	88.9	88.7	86.6	88.3	78.2
C.I (95%)	(80.0 - 94.1)	(81.2 - 93.4)	(82.0 - 90.1)	(83.9 - 91.5)	(72.9 - 82.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-1/ SUPPLEMENT 13

**Percent of adults aged 18 to 64 who have health insurance  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	313	315	875	754	862
DO NOT HAVE	38	36	99	95	139
TOTAL	351	351	974	849	1001

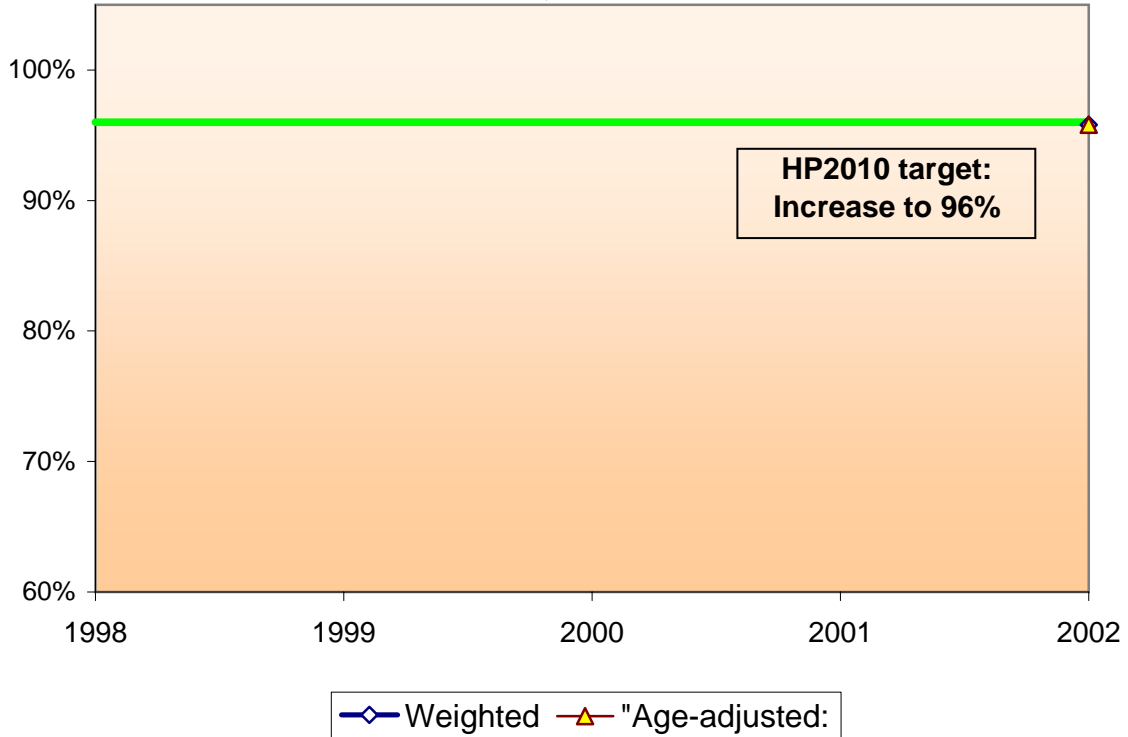
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	88.5	90.8	89.5	88.4	83.9
C.I (95%)	(83.5 - 92.1)	(86.4 - 93.8)	(86.8 - 91.7)	(85.2 - 90.9)	(80.8 - 86.6)
Age-adjusted percent	88.0	90.7	89.2	88.0	83.1
C.I (95%)	(82.9 - 91.8)	9*6.3 - 93.7)	(86.4 - 91.5)	(84.6 - 90.8)	(79.9 - 86.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-4c

**Percent of adults who have a specific source of ongoing care  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					5729
DO NOT HAVE					246
TOTAL					5975

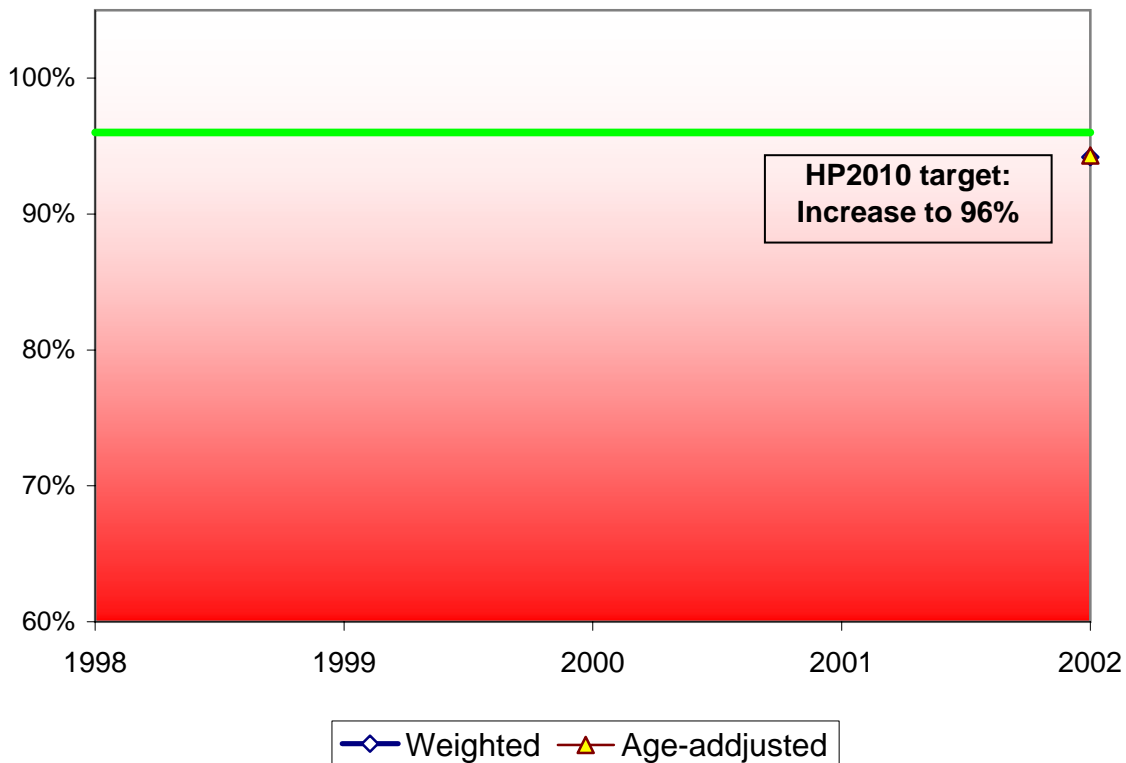
PERCENT	1998	1999	2000	2001	2002
Weighted percent					95.8
C.I (95%)					(95.1 - 96.4)
Age-adjusted percent					95.8
C.I (95%)					(95.1 - 96.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 1-4c/ SUPPLEMENT 1

Percent of men who have a specific source of ongoing care  
Hawaii, 1998-2002



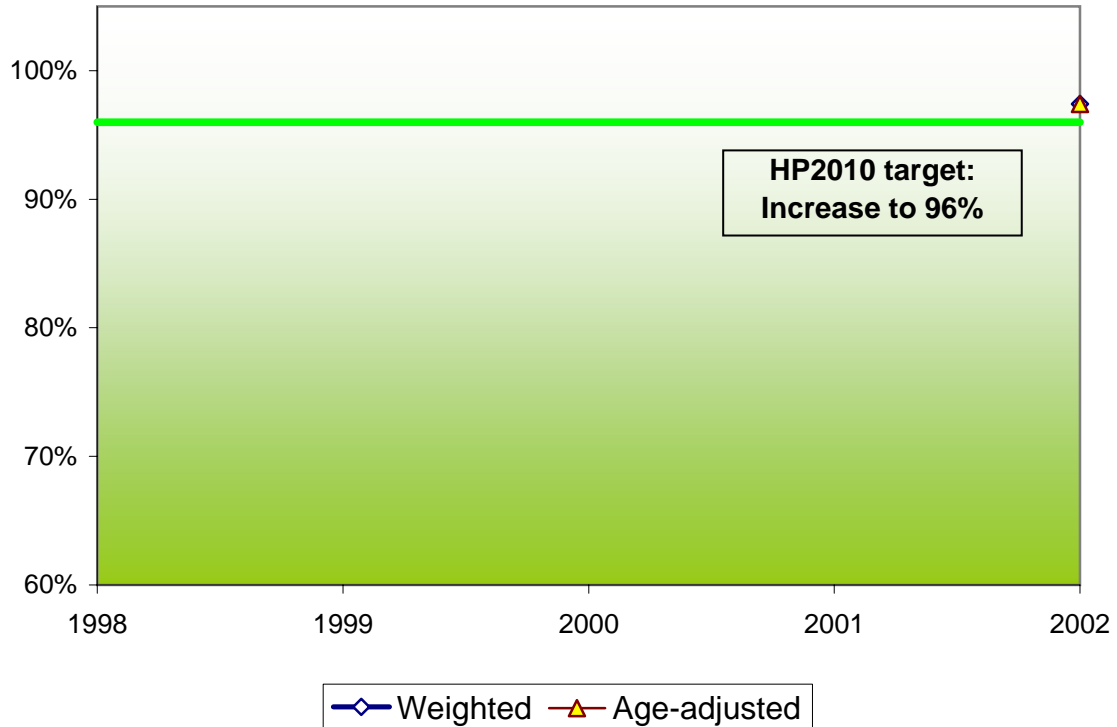
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					2446
DO NOT HAVE					146
TOTAL					2592

PERCENT	2002
Weighted percent	94.2
C.I (95%)	(92.9 - 95.3)
Age-adjusted percent	94.3
C.I (95%)	(93.0 - 95.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-4c/ SUPPLEMENT 2

**Percent of women who have a specific source of ongoing care  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					3283
DO NOT HAVE					100
TOTAL					3383

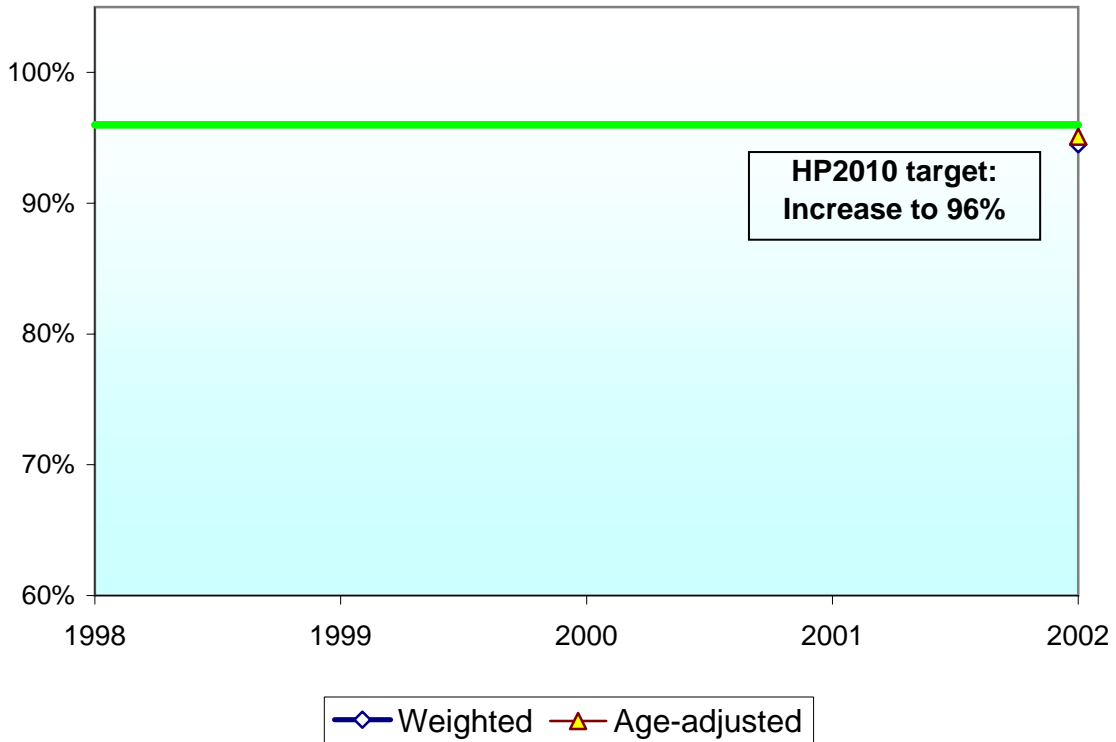
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent					97.4
C.I (95%)					(96.6 - 98.0)
Age-adjusted Percent					97.4
C.I (95%)					(96.6 - 98.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-4c/ SUPPLEMENT 3

**Percent of White adults who have a specific source of ongoing care  
Hawaii, 1998-2002**



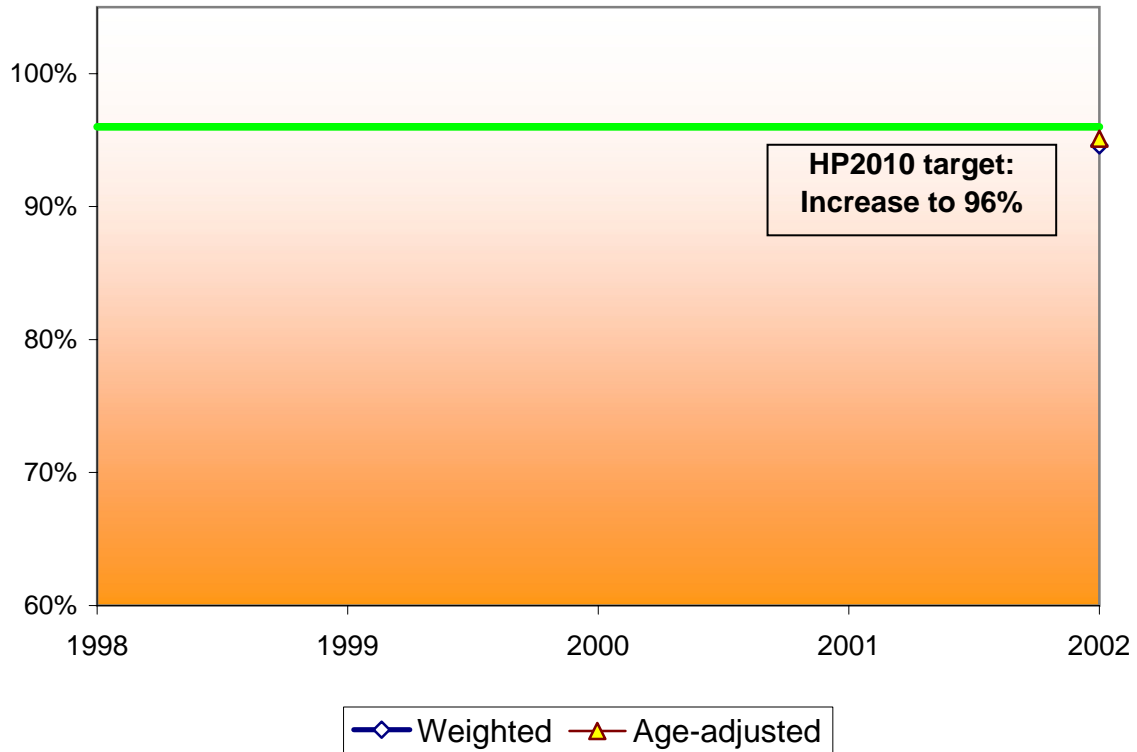
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					2344
DO NOT HAVE					128
TOTAL					2472

PERCENT	1998	1999	2000	2001	2002
Weighted percent					94.5
C.I (95%)					(93.1 - 95.6)
Age-adjusted percent					95.1
C.I (95%)					(93.1 - 95.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-4c/ SUPPLEMENT 4

Percent of Hawaiians who have a specific source of ongoing care  
Hawaii, 1998-2002



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					736
DO NOT HAVE					33
TOTAL					769

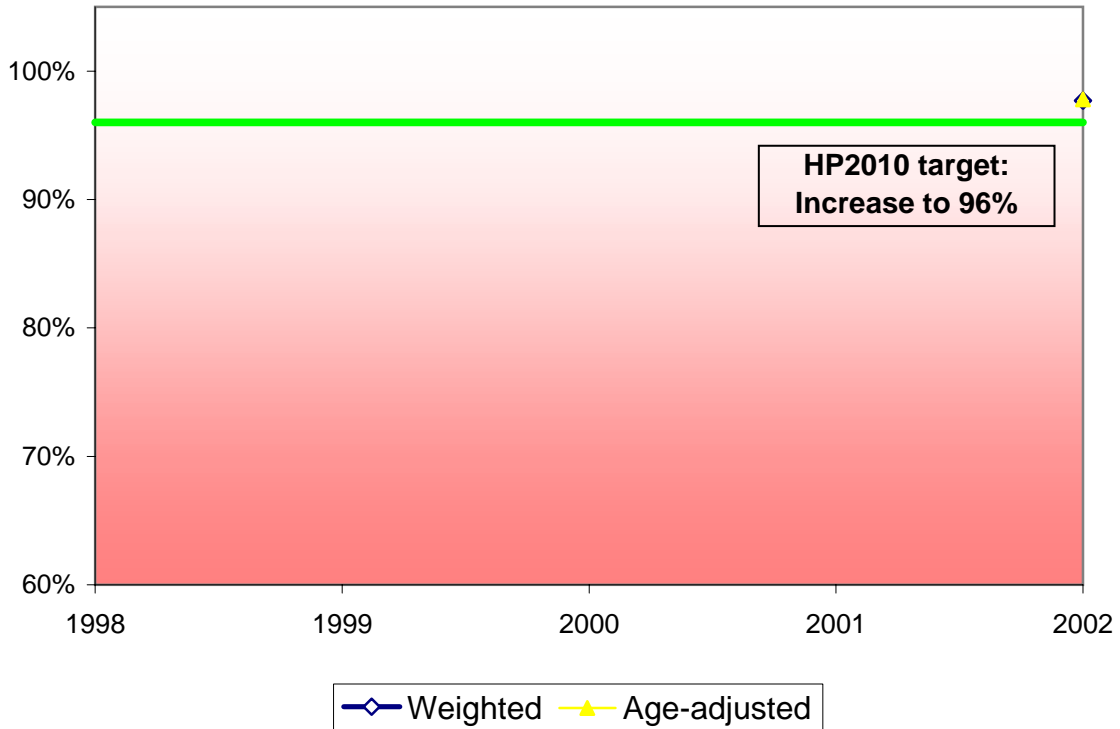
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent					94.6
C.I (95%)					(91.9 - 96.5)
Age-adjusted percent					95.1
C.I (95%)					(92.7 - 96.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 1-4c/ SUPPLEMENT 5**

**Percent of Filipinos who have a specific source of ongoing care  
Hawaii, 1998-2002**



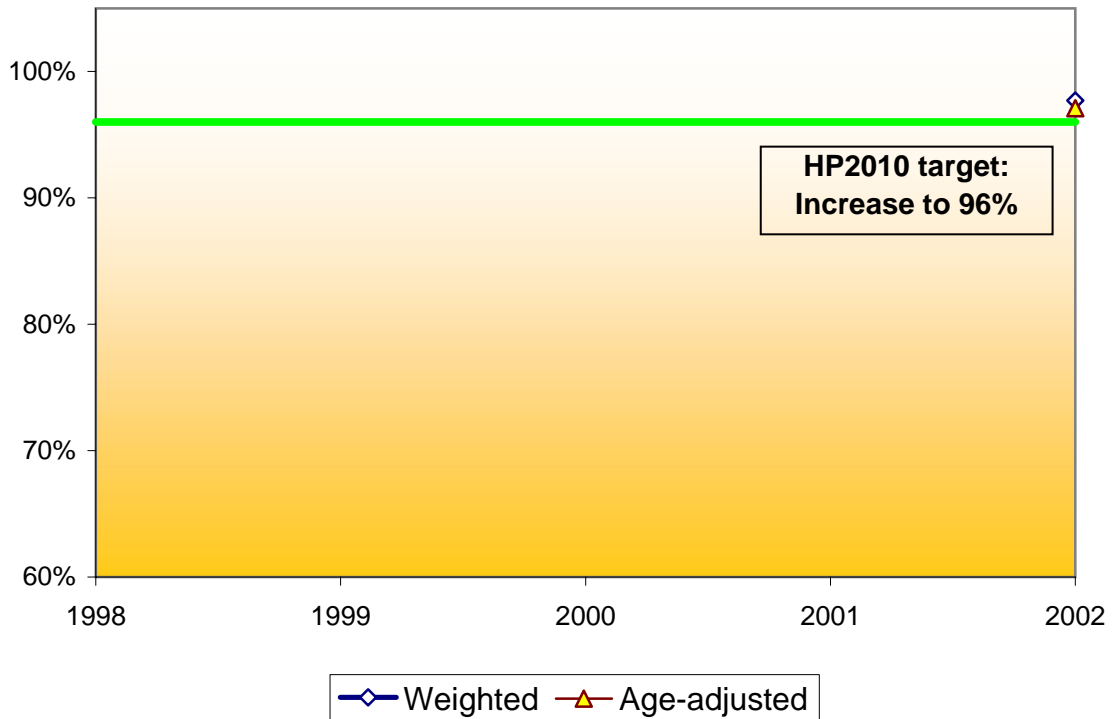
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					747
DO NOT HAVE					23
TOTAL					770

PERCENT	1998	1999	2000	2001	2002
Weighted percent					97.7
C.I (95%)					(96.3 - 98.6)
Age-adjusted percent					97.8
C.I (95%)					(96.3 - 98.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-4c/ SUPPLEMENT 6

**Percent of Japanese who have a specific source of ongoing care  
Hawaii, 1998-2002**



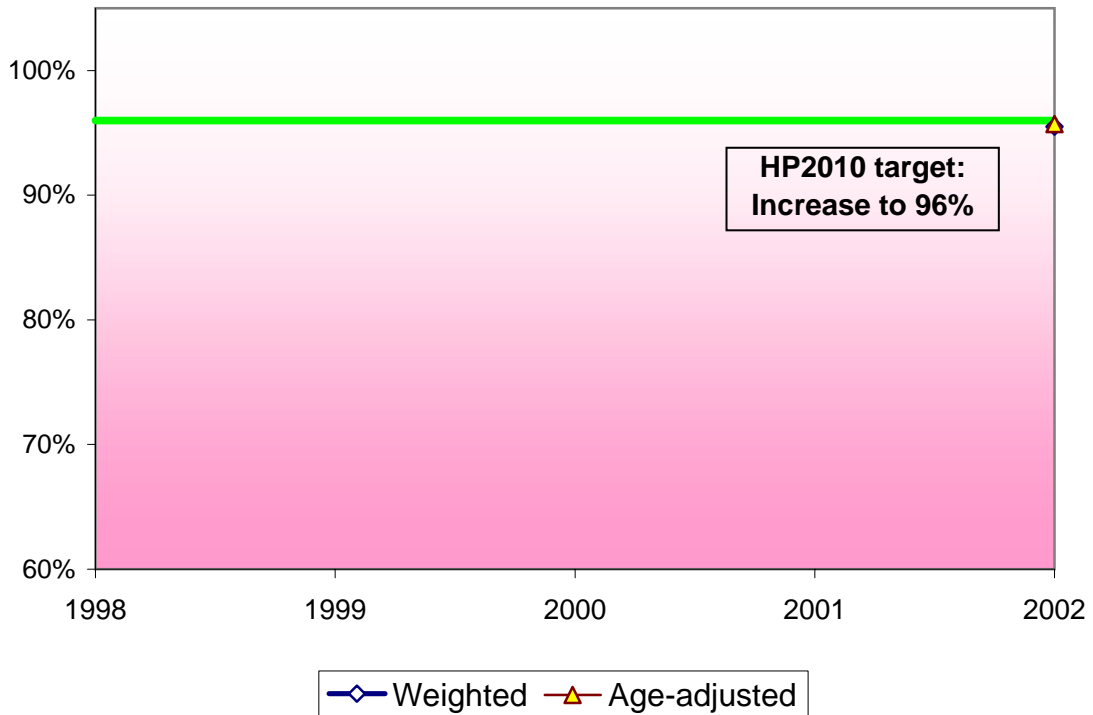
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					1137
DO NOT HAVE					25
TOTAL					1162

PERCENT	1998	1999	2000	2001	2002
Weighted percent					97.7
C.I (95%)					(96.2 - 98.6)
Age-adjusted percent					97.1
C.I (95%)					(95.1 - 98.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-4c/ SUPPLEMENT 7

**Percent of adults of other races who have a specific source of ongoing care  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					765
DO NOT HAVE					37
TOTAL					802

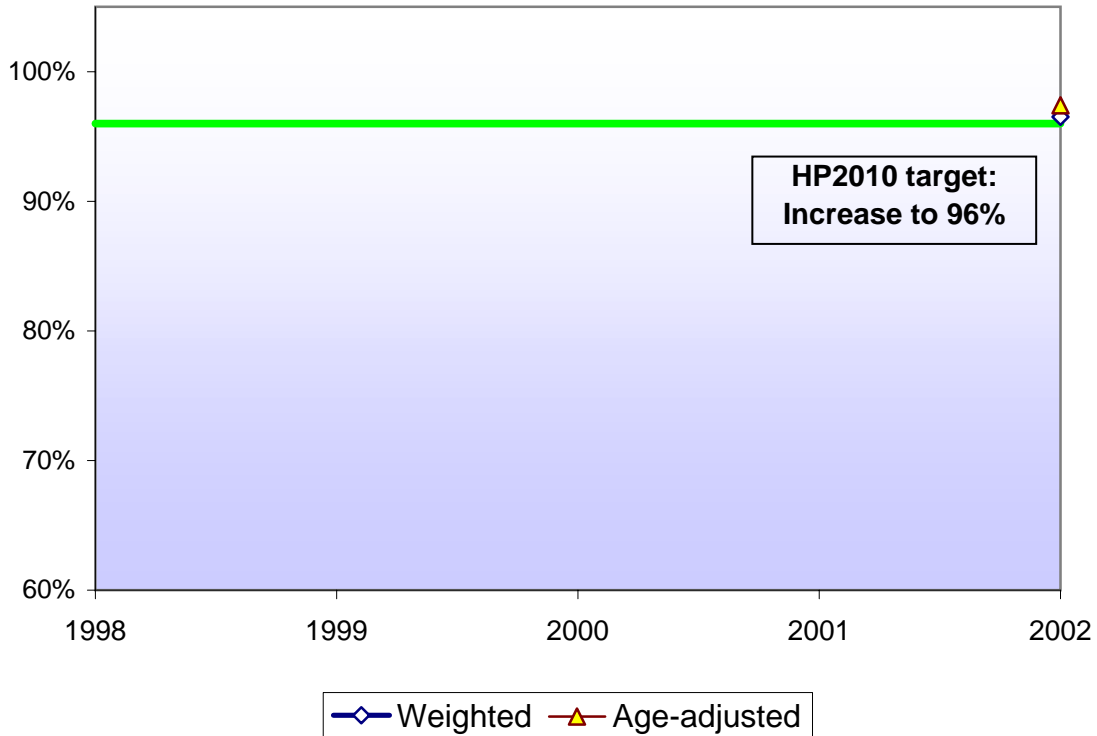
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent					95.5
C.I (95%)					(93.5 - 97.0)
Age-adjusted percent					95.7
C.I (95%)					(93.7 - 97.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-4c/ SUPPLEMENT 8

**Percent of adults in low income household who have a specific source of ongoing care  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					203
DO NOT HAVE					6
TOTAL					209

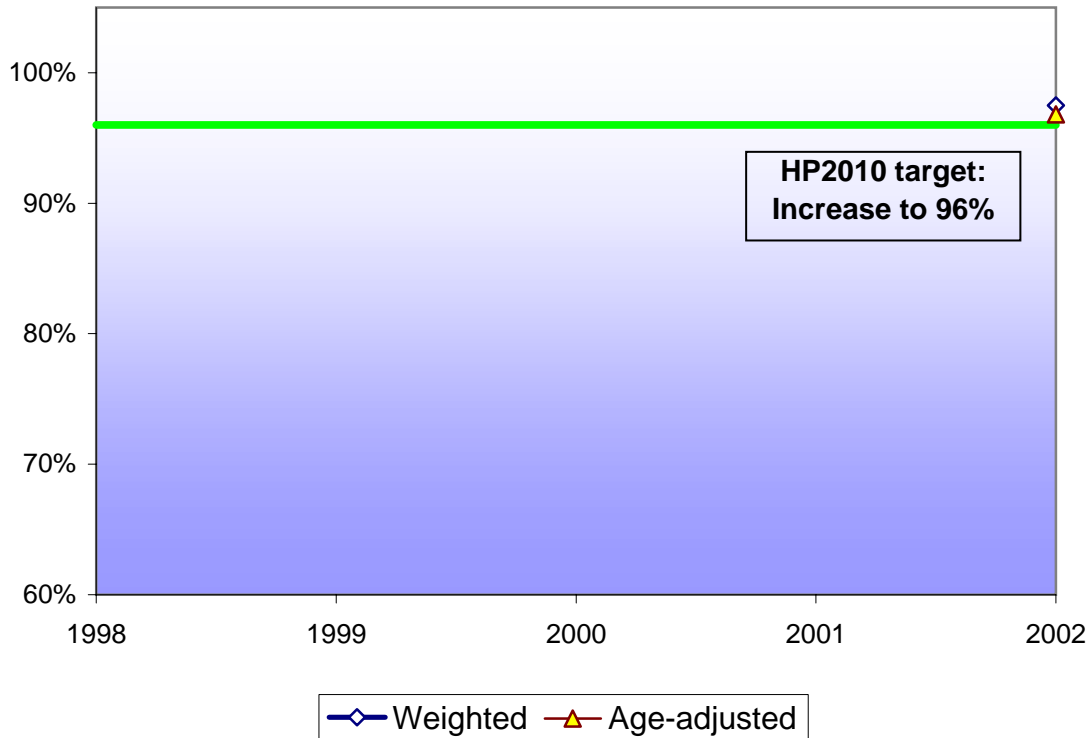
PERCENT	1998	1999	2000	2001	2002
Weighted percent					96.5
C.I (95%)					(91.3 - 98.7)
Age-adjusted percent					97.4
C.I (95%)					(93.9 - 98.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 1-4c/ SUPPLEMENT 9

**Percent of adults with less education who have a specific source of ongoing care  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					362
DO NOT HAVE					12
TOTAL					374

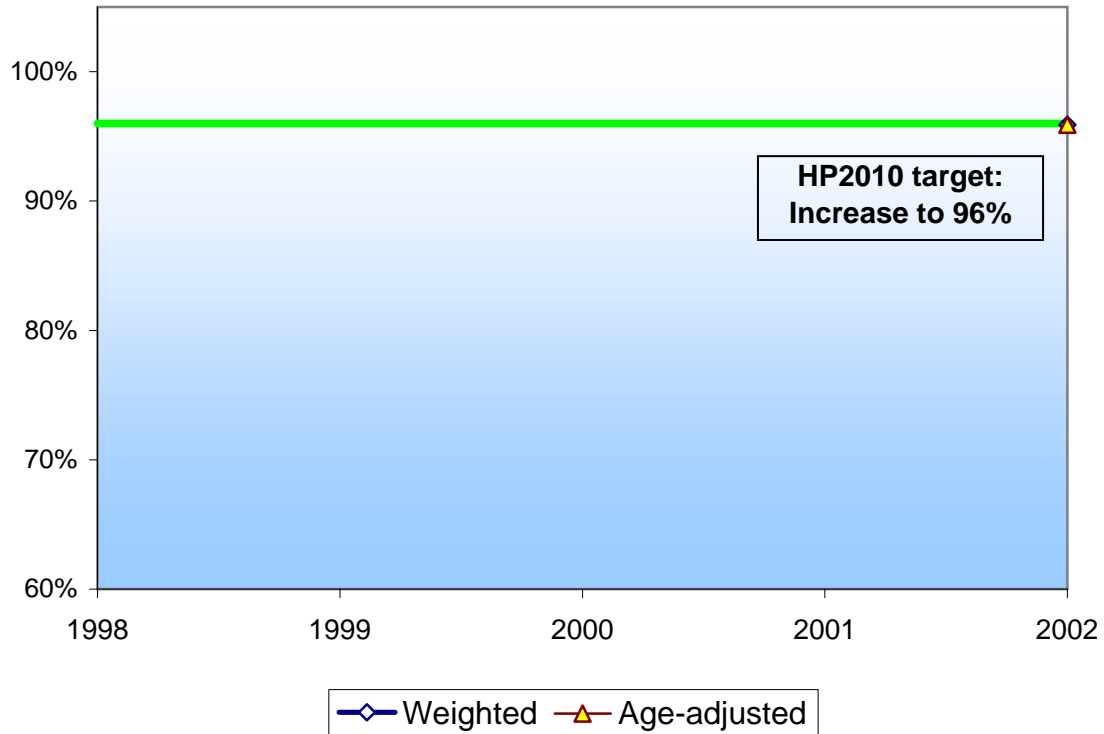
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent					97.5
C.I (95%)					(95.1 - 98.7)
Age-adjusted percent					96.8
C.I (95%)					(92.9 - 98.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-4c/ SUPPLEMENT 10

**Percent of adults who have a specific source of ongoing care  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					2686
DO NOT HAVE					111
TOTAL					2797

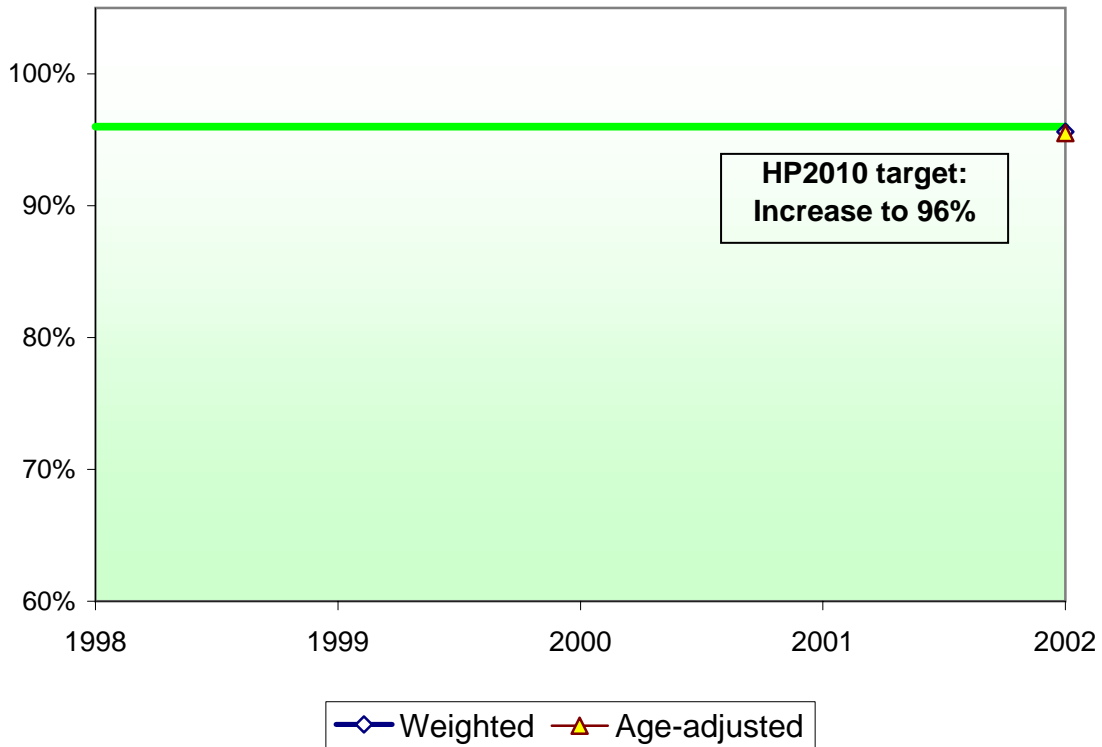
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent					95.9
C.I (95%)					(94.9 - 96.7)
Age-adjusted percent					95.9
C.I (95%)					(94.9 - 96.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 1-4c/ SUPPLEMENT 11**

**Percent of adults who have a specific source of ongoing care  
Hawaii county, Hawaii, 1998-2002**



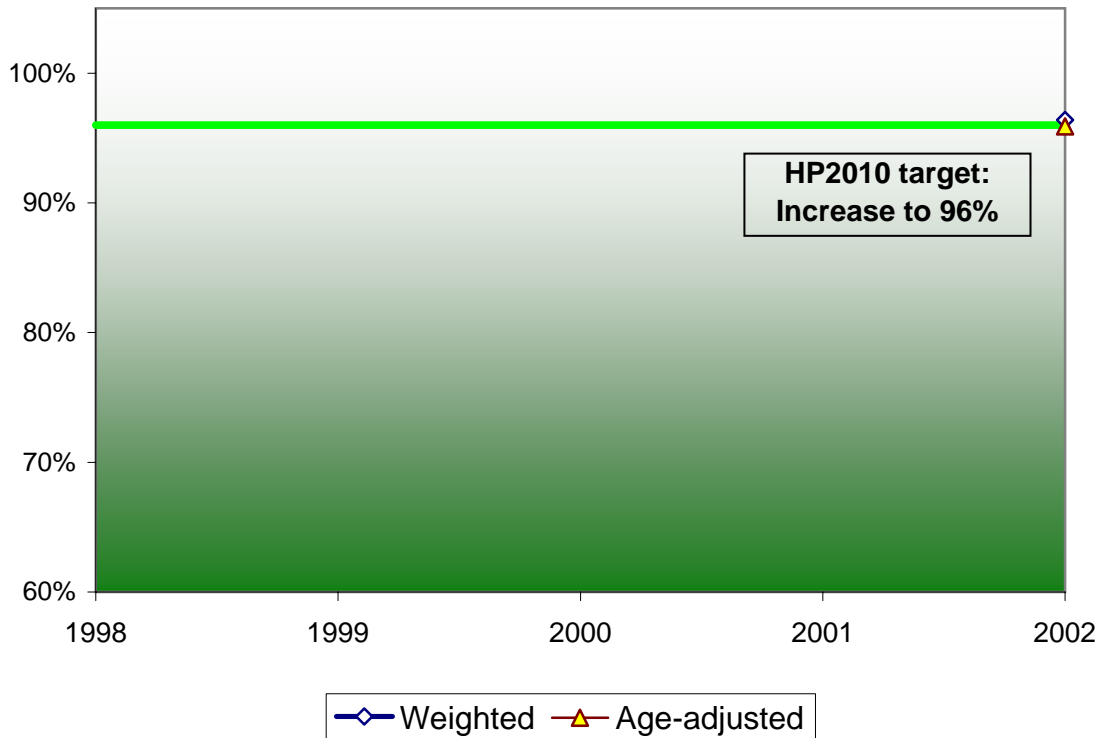
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					1317
DO NOT HAVE					59
TOTAL					1376

PERCENT	1998	1999	2000	2001	2002
Weighted percent					95.6
C.I (95%)					(94.1 - 96.7)
Age-adjusted percent					95.5
C.I (95%)					(93.9 - 96.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 1-4c/ SUPPLEMENT 12

**Percent of adults who have a specific source of ongoing care  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					579
DO NOT HAVE					20
TOTAL					599

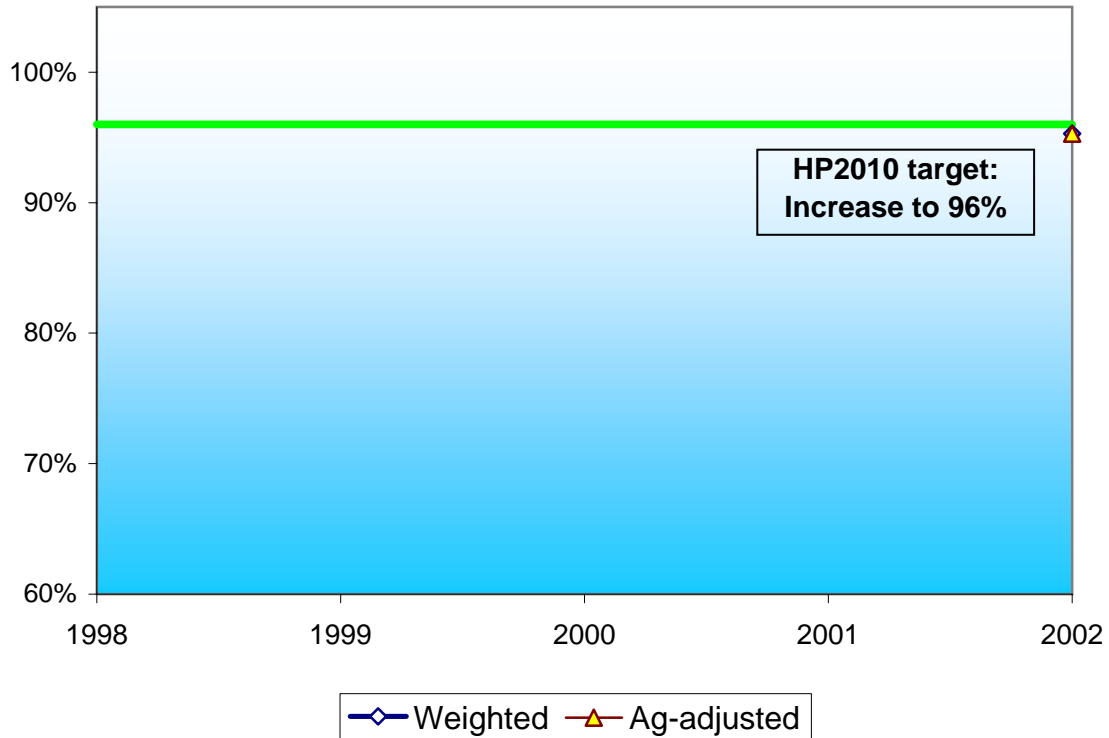
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent					96.4
C.I (95%)					(93.9 - 97.8)
Age-adjusted percent					95.9
C.I (95%)					(93.1 - 97.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 1-4c/ SUPPLEMENT 13**

**Percent of adults who have a specific source of ongoing care  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE					1147
DO NOT HAVE					56
TOTAL					1203

PERCENT	1998	1999	2000	2001	2002
Weighted percent					95.3
C.I (95%)					(93.7 - 96.5)
Age-adjusted percent					95.3
C.I (95%)					(93.6 - 96.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

# CANCER

**Objective 3-11a**

*Increase the proportion of women aged 18 years and older who have ever received a Pap test to **97%***

**Objective 3-11b**

*Increase the proportion of women aged 18 years and older who have ever received a Pap test within the preceding 3 years to **90%***

**Objective 3-12a**

*Increase the proportion of adults aged 50 years and older who have received a fecal occult blood test (FOBT) within the preceding 2 years to **50%***

**Objective 3-12b**

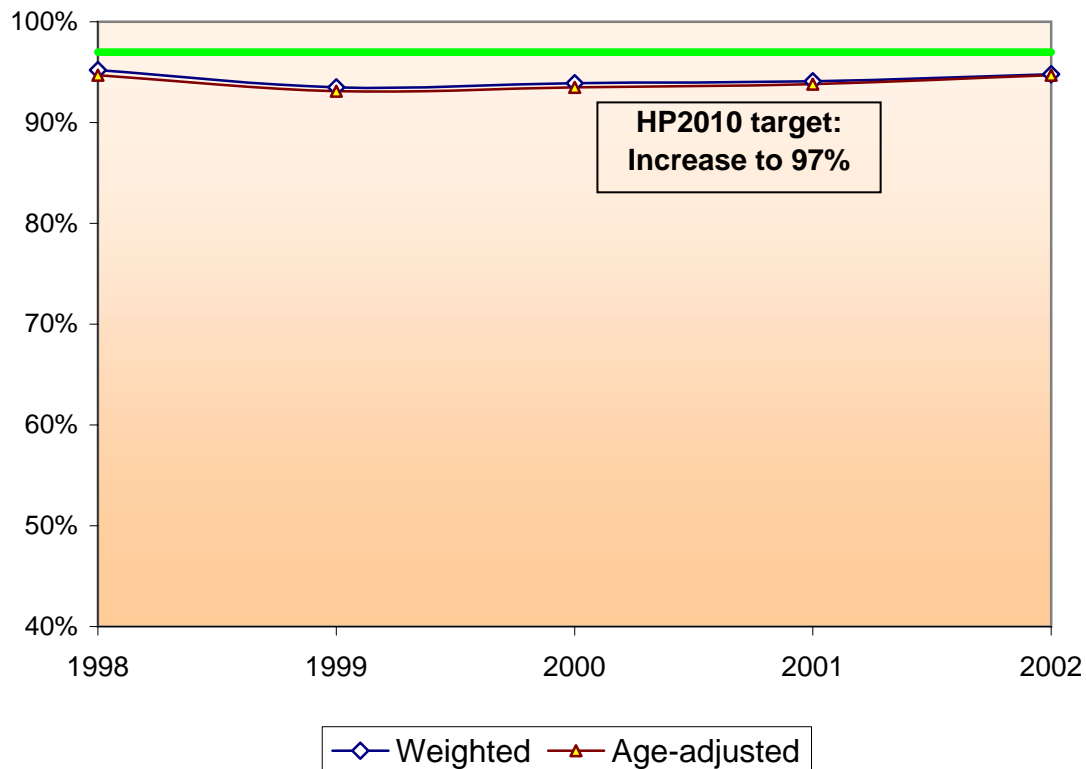
*Increase the proportion of adults aged 50 years and older who have ever received a sigmoidoscopy to **50%***

**Objective 3-13**

*Increase the proportion of women aged 40 years and older who have received a mammogram within the preceding 2 years to **70%***

## OBJECTIVE 3-11a

**Percent of women aged 18 + who had a Pap Test  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	1166	1089	3170	2433	3220
NOT HAD	49	70	159	127	162
TOTAL	1215	1159	3329	2560	3382

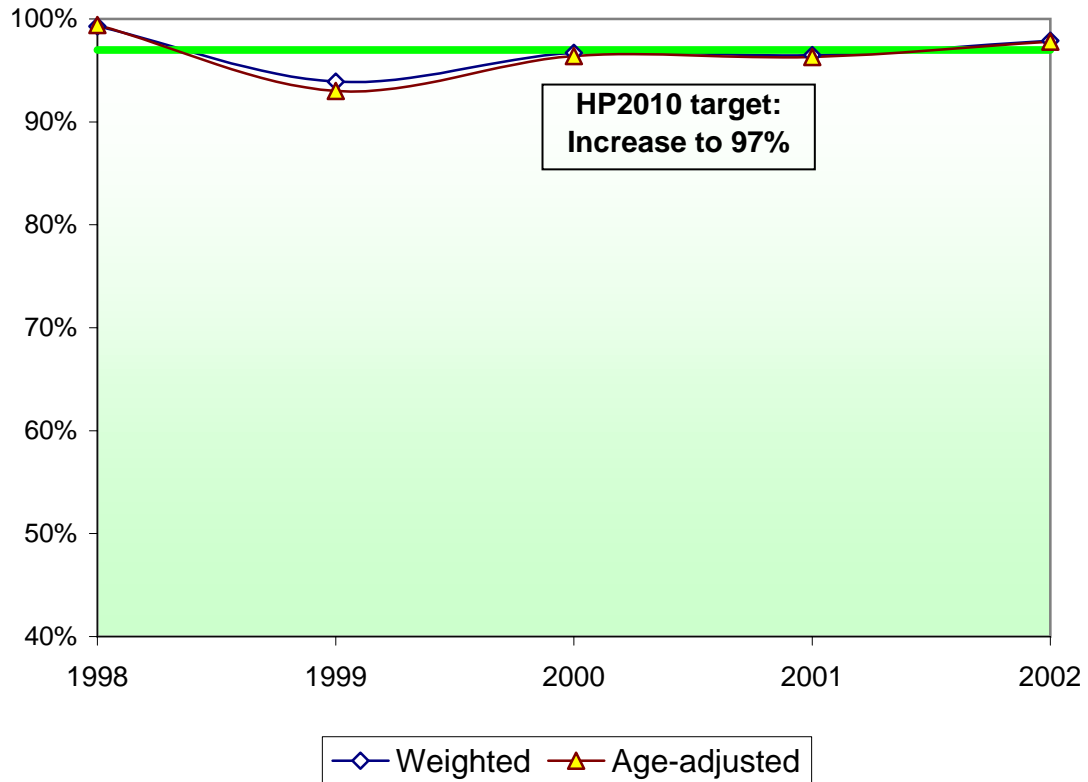
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	95.2	93.5	93.9	94.1	94.8
C.I (95%)	(93.1 - 96.6)	(91.3 - 95.1)	(92.6 - 95.0)	(92.5 - 95.3)	(93.7 - 95.7)
Age-adjusted percent	94.7	93.1	93.5	93.8	94.7
C.I (95%)	(92.6 - 96.2)	(90.9 - 94.8)	(92.2 - 94.6)	(92.2 - 95.1)	(93.6 - 95.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-11a /Supplement 1

**Percent of White women aged 18 + who had a Pap Test  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	476	268	1192	983	1307
NOT HAD	5	9	35	35	34
TOTAL	481	277	1227	1018	1341

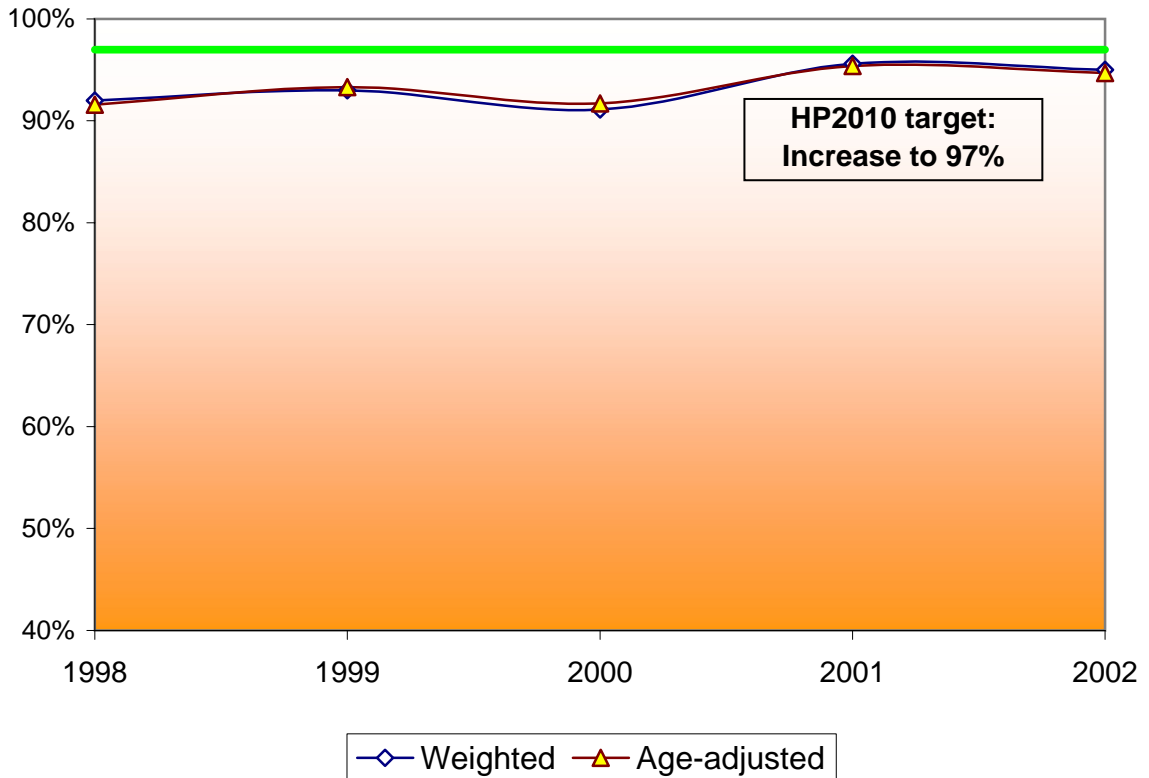
PERCENT	1998	1999	2000	2001	2002
Weighted percent	99.3	93.9	96.7	96.5	97.9
C.I (95%)	(98.1 - 99.8)	(87.9 - 97.0)	(94.6 - 97.9)	(94.0 - 97.9)	(96.8 - 98.6)
Age-adjusted percent	99.4	93.0	96.4	96.3	97.8
C.I (95%)	(98.3 - 99.8)	(87.1 - 96.4)	(94.2 - 97.7)	(93.8 - 97.8)	(96.6 - 98.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 3-11a /SUPPLEMENT 2

**Percent of Hawaiian women aged 18 + who had a Pap Test  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	174	116	515	345	425
NOT HAD	14	7	28	16	22
<b>TOTAL</b>	<b>188</b>	<b>123</b>	<b>543</b>	<b>361</b>	<b>447</b>

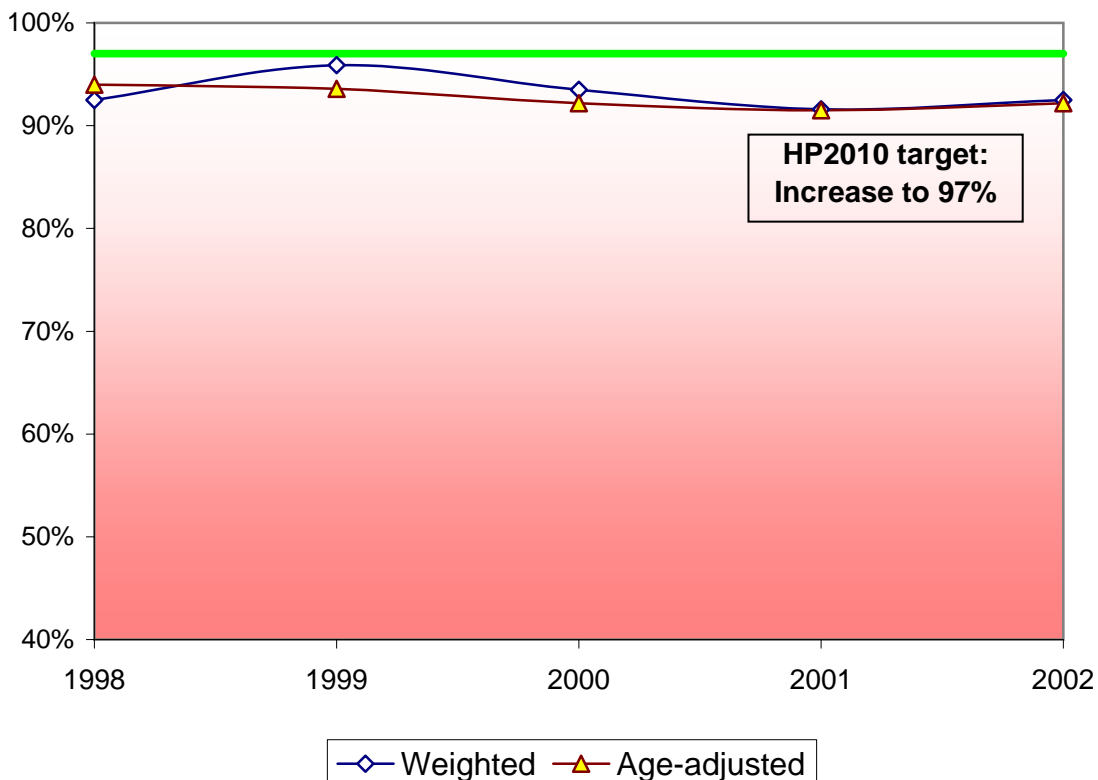
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	<b>92.0</b>	<b>93.0</b>	<b>91.1</b>	<b>95.6</b>	<b>95.0</b>
<b>C.I (95%)</b>	<b>(84.7 - 96.0)</b>	<b>(83.9 - 97.1)</b>	<b>(86.3 - 94.3)</b>	<b>(91.8 - 97.7)</b>	<b>(91.7 - 97.0)</b>
<b>Age-adjusted percent</b>	<b>91.6</b>	<b>93.3</b>	<b>91.7</b>	<b>95.4</b>	<b>94.7</b>
<b>C.I (95%)</b>	<b>(83.9 - 95.8)</b>	<b>(85.8 - 96.9)</b>	<b>(87.5 - 94.6)</b>	<b>(91.6 - 97.5)</b>	<b>(91.2 - 96.8)</b>

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11a /SUPPLEMENT 3**

**Percent of Filipino women aged 18 + who had a Pap Test  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	120	95	370	294	408
NOT HAD	8	7	21	21	29
TOTAL	128	102	391	315	437

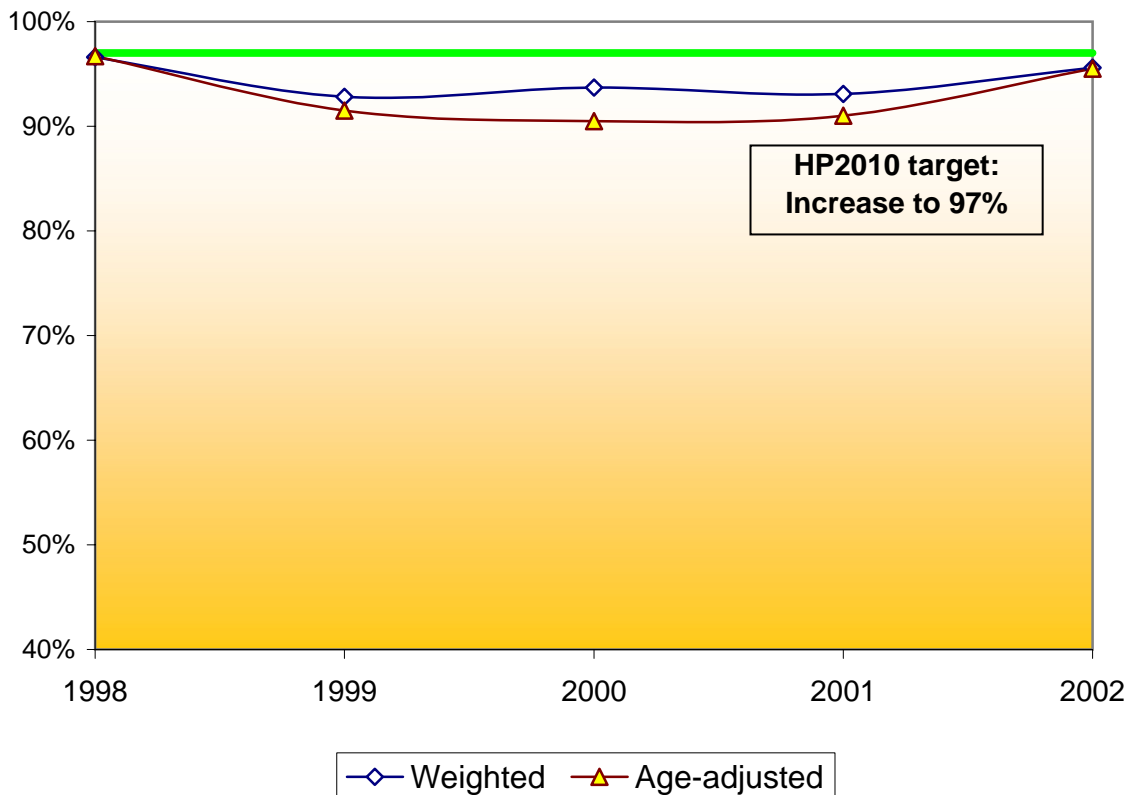
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	92.5	95.9	93.5	91.6	92.5
C.I (95%)	(83.3 - 96.8)	(89.7 - 98.5)	(89.1 - 96.2)	(85.4 - 95.3)	(88.7 - 95.2)
Age-adjusted percent	94.0	93.6	92.2	91.5	92.2
C.I (95%)	(88.5 - 97.0)	(84.2 - 97.6)	(87.6 - 95.2)	(86.1 - 94.9)	(88.1 - 94.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-11a /SUPPLEMENT 4

**Percent of Japanese women aged 18 + who had a Pap Test  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	266	167	674	479	666
NOT HAD	9	10	45	33	37
TOTAL	275	177	719	512	703

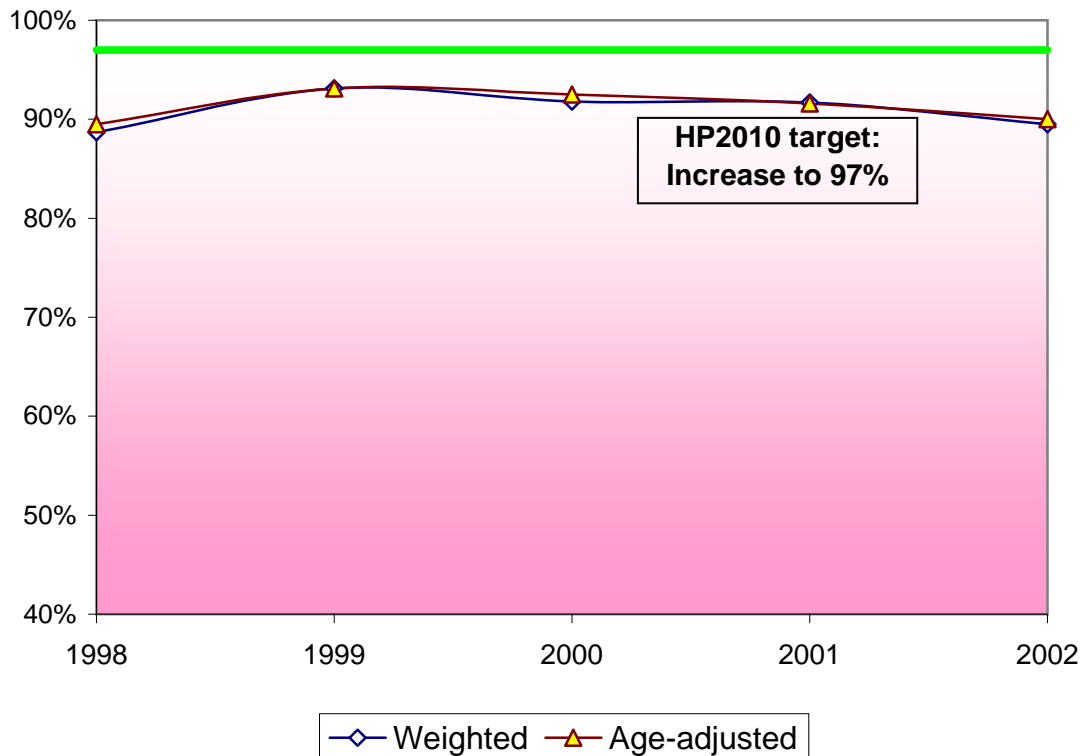
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	96.6	92.8	93.7	93.1	95.6
C.I (95%)	(92.2 - 98.5)	(85.2 -96.6)	(91.1 - 95.6)	(89.5 - 95.5)	(93.5 - 97.0)
Age-adjusted percent	96.7	91.5	90.5	91.0	95.5
C.I (95%)	(92.7 - 98.6)	(83.1 -95.9)	(86.3 - 93.6)	(85.8 -94.5)	(92.8 - 97.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11a /SUPPLEMENT 5**

**Percent of women of other races aged 18 +  
who had a Pap Test  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	130	443	419	332	414
NOT HAD	13	37	30	22	40
TOTAL	143	480	449	354	454

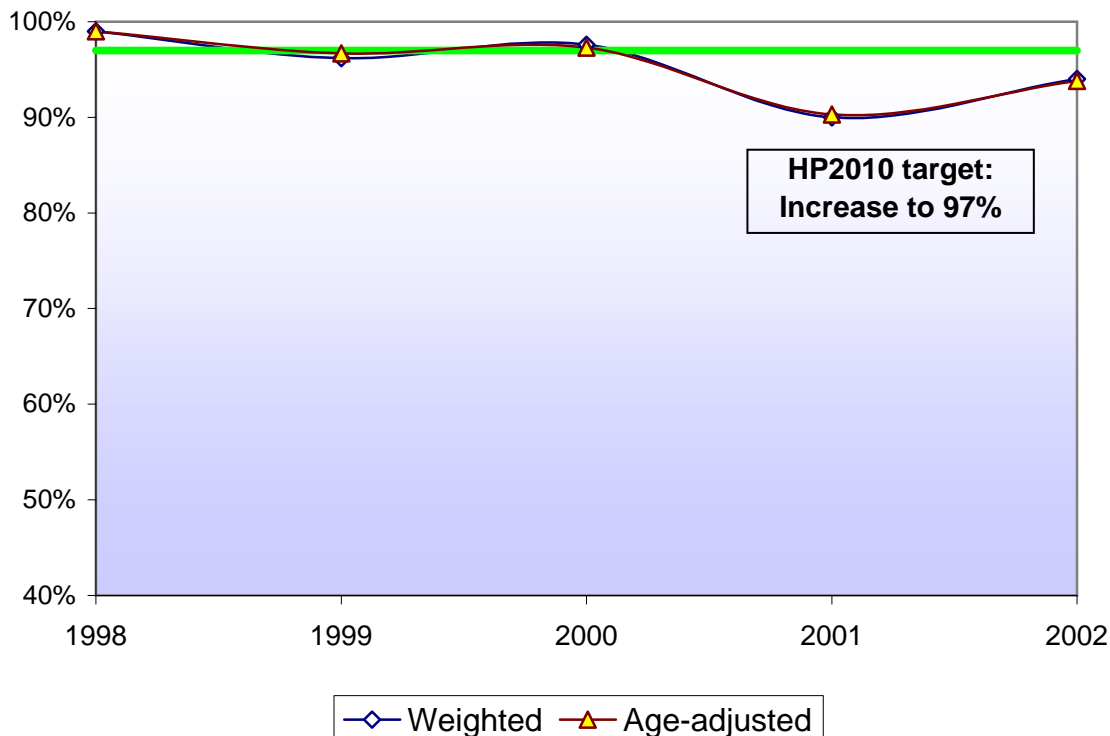
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	88.7	93.1	91.8	91.7	89.5
C.I (95%)	(79.7 - 94.0)	(89.7 - 95.4)	(87.9 - 94.5)	(87.0 - 94.8)	(85.1 - 92.7)
Age-adjusted percent	89.5	93.1	92.5	91.6	90.0
C.I (95%)	(82.6 - 93.8)	(89.9 - 95.3)	(89.3 - 94.8)	(87.1 - 94.7)	(85.9 - 93.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11a /SUPPLEMENT 6**

**Percent of women aged 18 + in low income household  
who had a Pap Test  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	87	64	186	109	128
NOT HAD	2	4	9	10	11
TOTAL	89	68	195	119	139

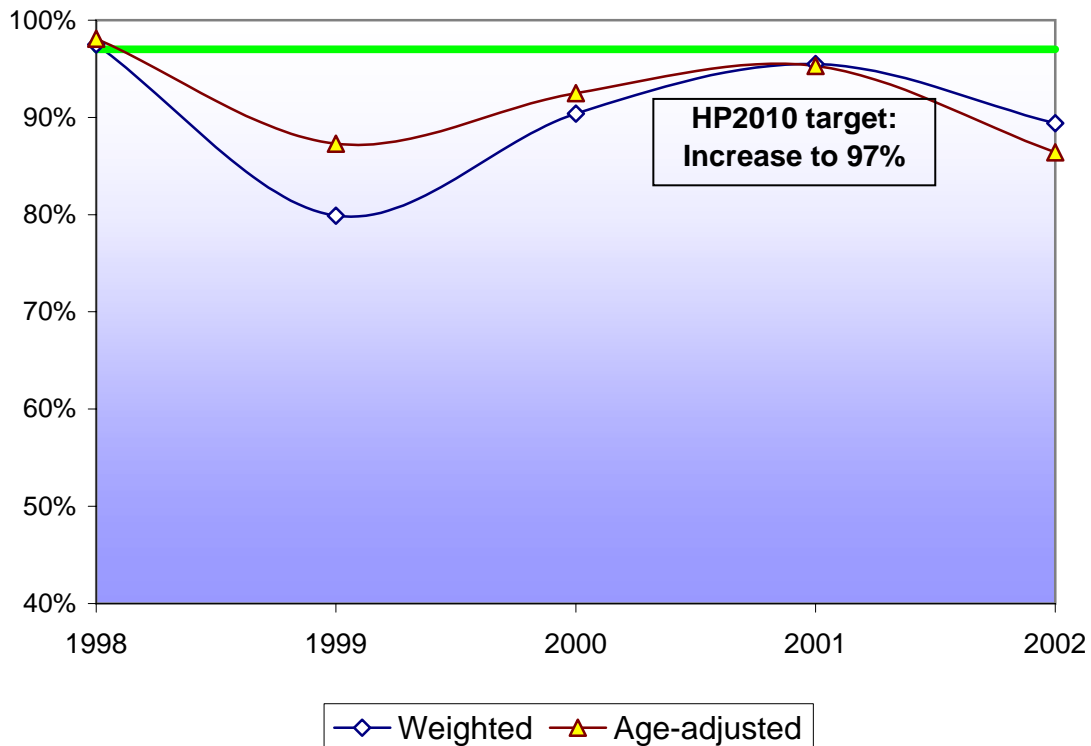
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	99.0	96.2	97.6	90.0	94.0
C.I (95%)	(95.9 - 99.8)	(89.4 - 98.7)	(94.7 - 98.9)	(77.1 - 96.0)	(88.1 - 97.1)
Age-adjusted percent	99.0	96.7	97.3	90.3	93.8
C.I (95%)	(94.6 - 99.8)	(90.7 - 98.9)	(94.0 - 98.8)	(80.5 - 95.5)	(88.0 - 96.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11a /SUPPLEMENT 7**

**Percent of women aged 25+ with less education who had a Pap Test  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	89	82	226	169	227
NOT HAD	6	14	28	14	26
TOTAL	95	96	254	183	253

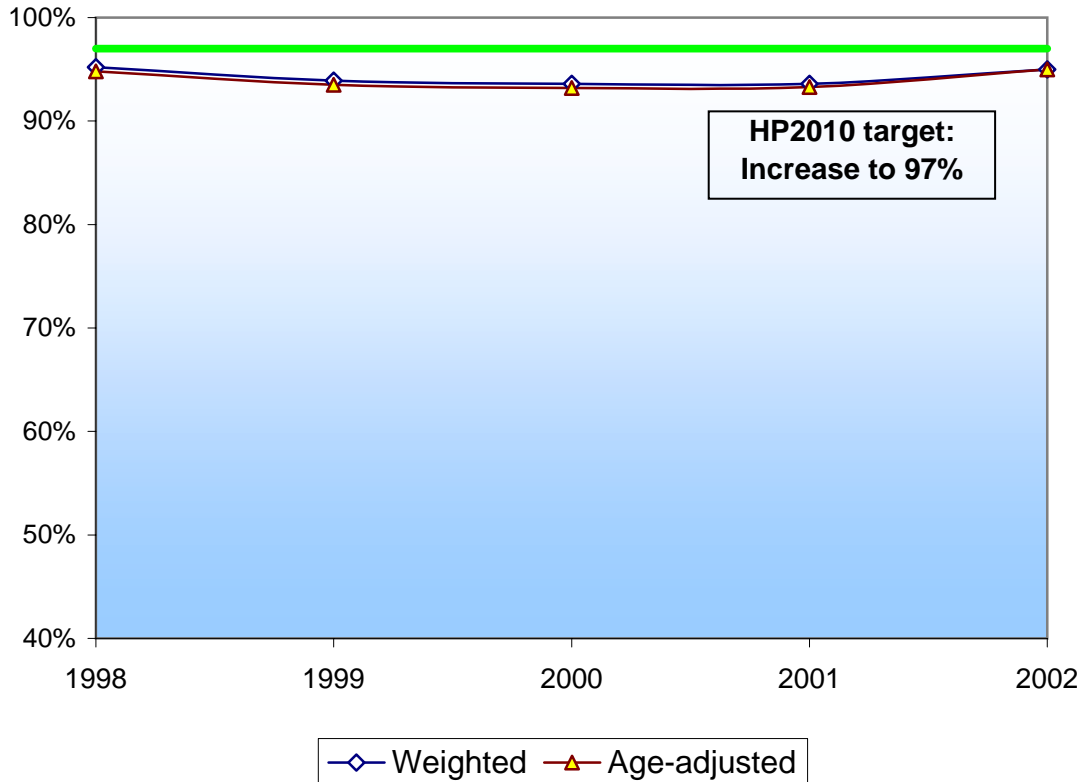
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	97.5	79.9	90.4	95.5	89.4
C.I (95%)	(93.5 - 99.0)	(65.1 - 89.5)	(85.1 - 94.0)	(91.3 - 97.8)	(83.1 - 93.5)
Age-adjusted percent	98.1	87.3	92.5	95.3	86.4
C.I (95%)	(95.0 - 99.3)	(74.0 - 94.3)	(84.4 - 96.6)	(85.7 - 98.6)	(77.2 - 92.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11a /SUPPLEMENT 8**

**Percent of women aged 18 + who had a Pap Test  
Honolulu County, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	542	500	1495	1003	1537
NOT HAD	22	29	91	64	73
TOTAL	564	529	1586	1067	1610

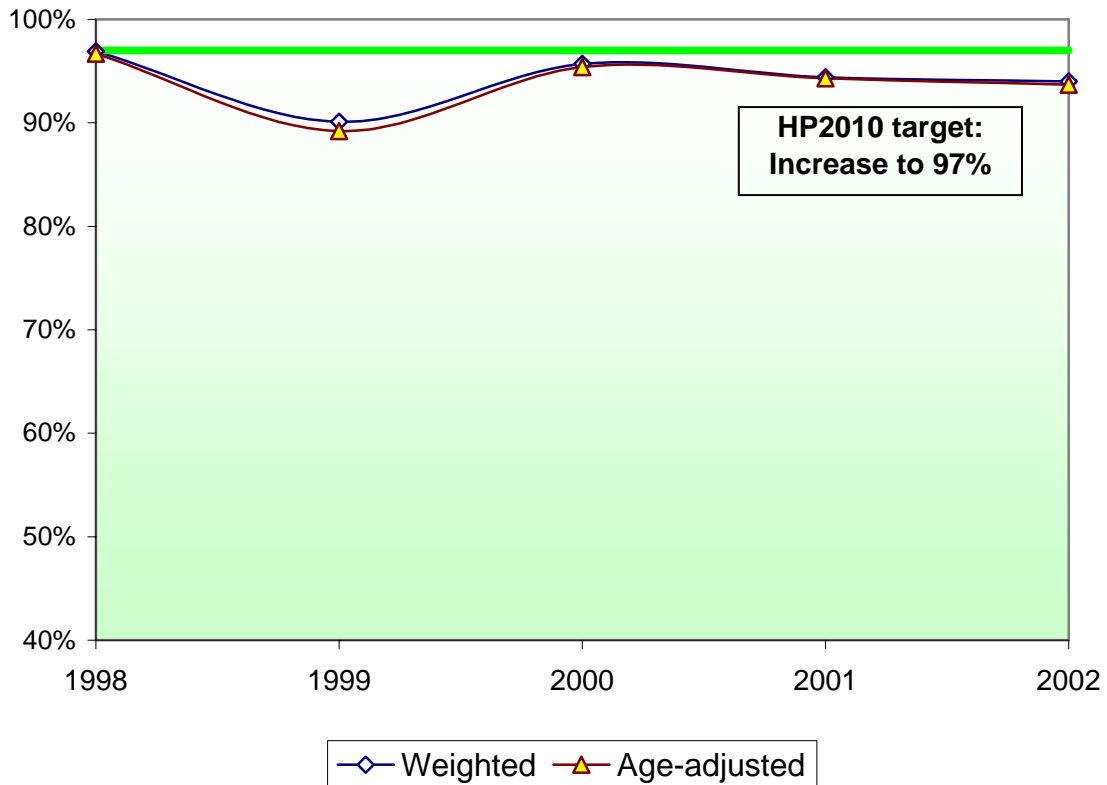
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	95.2	93.9	93.6	93.6	95.0
C.I (95%)	(92.4 - 96.9)	(91.0 - 95.9)	(91.9 - 95.0)	(91.6 - 95.2)	(93.6 - 96.2)
Age-adjusted percent	94.8	93.5	93.2	93.3	95.0
C.I (95%)	(92.0 - 96.6)	(90.6 - 95.5)	(91.5 - 94.6)	(91.2 - 95.0)	(93.6 - 96.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11a /SUPPLEMENT 9**

**Percent of women aged 18 + who had a Pap Test  
Hawaii County, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	288	265	787	559	746
NOT HAD	12	22	27	26	44
TOTAL	300	287	814	585	790

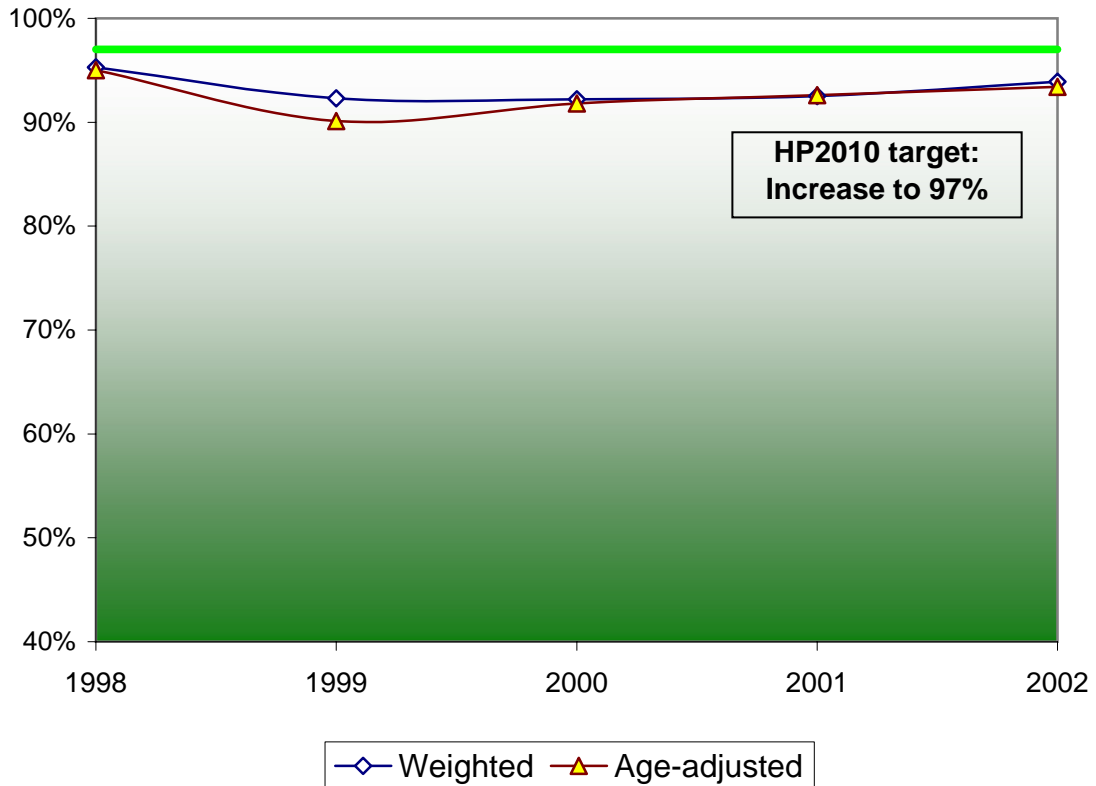
PERCENT	1998	1999	2000	2001	2002
Weighted percent	96.9	90.1	95.7	94.4	94.0
C.I (95%)	(93.4 - 98.6)	(84.4 - 93.8)	(93.2 - 97.2)	(91.4 - 96.5)	(91.5 - 95.8)
Age-adjusted percent	96.7	89.2	95.4	94.3	93.7
C.I (95%)	(92.7 - 98.6)	(83.5 - 93.2)	(92.7 - 97.1)	(91.0 - 96.4)	(91.0 - 95.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 3-11a /SUPPLEMENT 10**

**Percent of women aged 18 + who had a Pap Test  
Kauai County, Hawaii, 1998-2002**



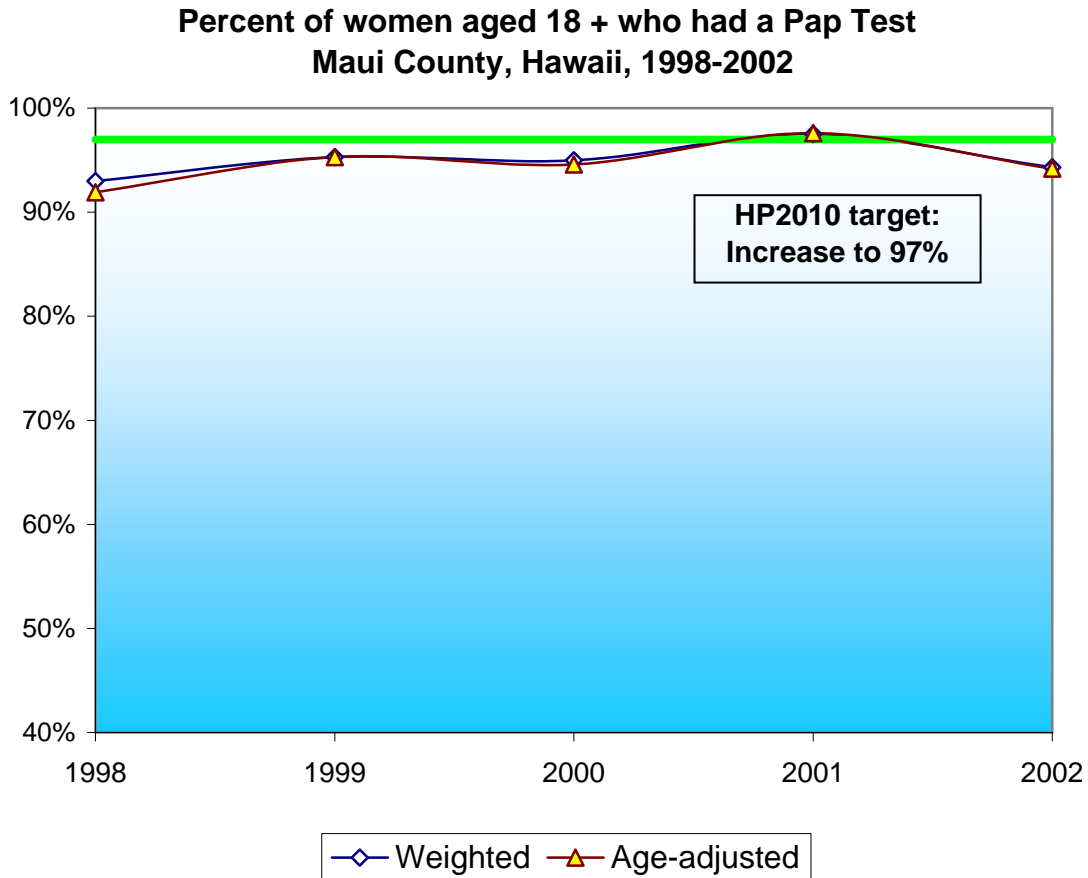
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	129	101	301	301	316
NOT HAD	5	8	17	23	17
TOTAL	134	109	318	324	333

PERCENT	1998	1999	2000	2001	2002
Weighted percent	95.3	92.3	92.2	92.5	93.9
C.I (95%)	(88.6 - 98.2)	(83.5 - 96.6)	(85.8 - 95.8)	(88.4 - 95.2)	(89.7 - 96.5)
Age-adjusted percent	95.0	90.1	91.8	92.6	93.4
C.I (95%)	(87.9 - 98.0)	(81.7 - 94.9)	(85.3 - 95.6)	(88.5 - 95.3)	(88.6 - 96.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11a /SUPPLEMENT 11**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	207	223	587	570	621
NOT HAD	13	11	24	14	28
TOTAL	220	234	611	584	649

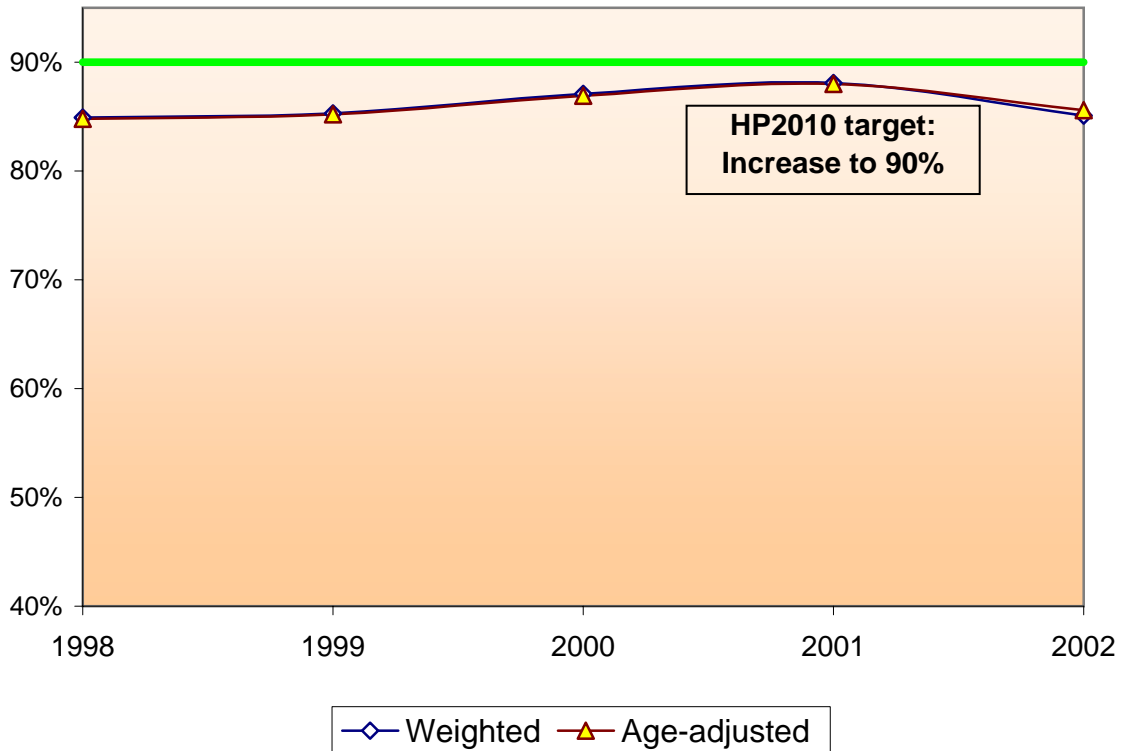
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	93.0	95.3	95.0	97.5	94.3
C.I (95%)	(86.7 - 96.4)	(91.1 - 97.5)	(92.0 - 96.9)	(94.9 - 98.8)	(91.2 - 96.4)
Age-adjusted percent	91.9	95.3	94.6	97.6	94.2
C.I (95%)	(85.5 - 95.6)	(91.2 - 97.6)	(91.4 - 96.6)	(95.1 - 98.9)	(91.0 - 96.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11b**

**Percent of women aged 18 +  
who had a Pap Test in past 3 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	1026	987	2885	2237	2831
NOT HAD	175	166	425	311	523
TOTAL	1201	1153	3310	2548	3354

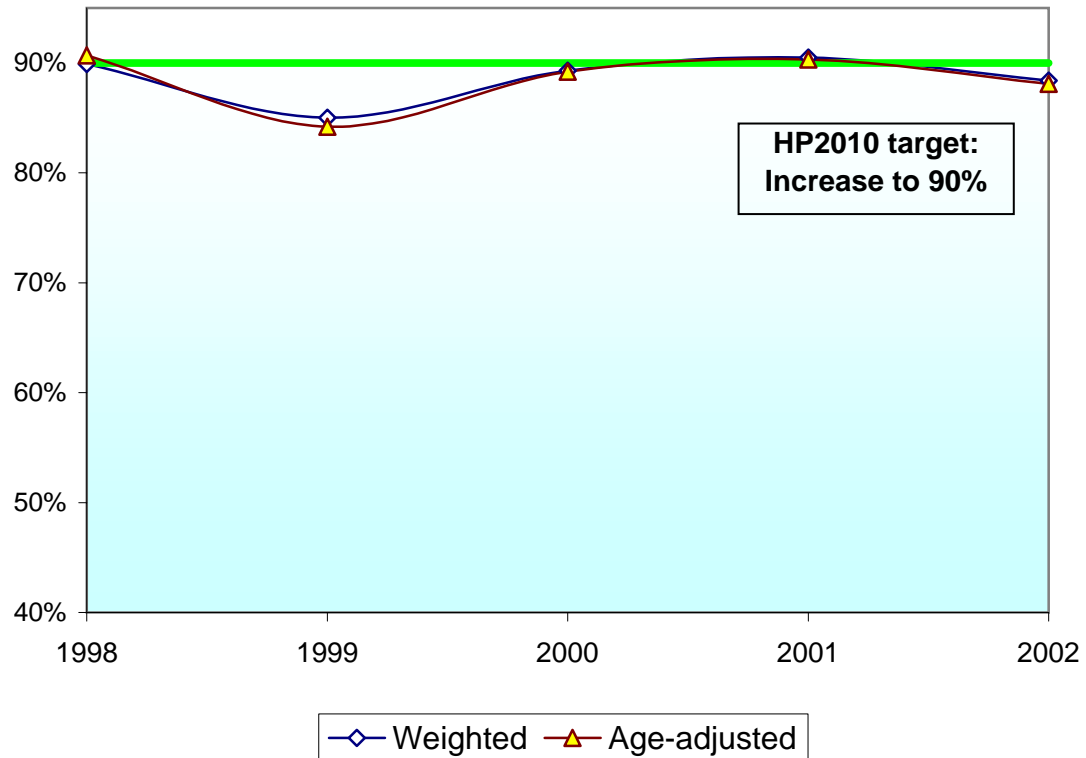
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	84.9	85.3	87.1	88.1	85.1
C.I (95%)	(81.8 - 87.5)	(82.3 - 87.9)	(85.5 - 88.6)	(86.2 - 89.7)	(83.5 - 86.7)
Age-adjusted percent	84.8	85.2	86.9	88.0	85.6
C.I (95%)	(81.7 - 87.4)	(82.2 - 87.8)	(85.3 - 88.4)	(86.1 - 89.7)	(84.0 - 87.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11b /Supplement 1**

**Percent of White women aged 18 +  
who had a Pap Test in past 3 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	423	237	1079	906	1159
NOT HAD	55	39	139	106	178
TOTAL	478	276	1218	1012	1337

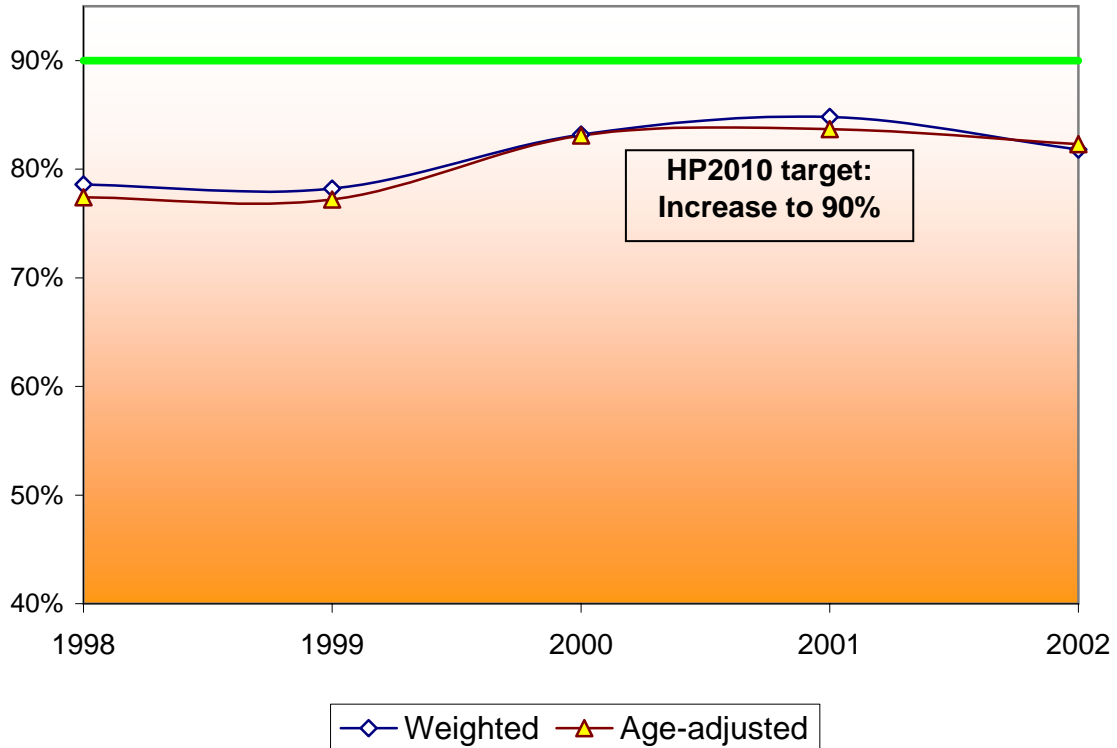
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	89.9	85.0	89.3	90.5	88.4
C.I (95%)	(85.5 - 93.0)	(78.6 - 89.7)	(86.7 - 91.5)	(87.6 - 92.8)	(85.7 - 90.6)
Age-adjusted percent	90.7	84.2	89.2	90.3	88.1
C.I (95%)	86.6 - 93.6)	(78.0 - 88.8)	(86.6 - 91.3)	(87.2 - 92.7)	(85.5 - 90.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-11b /SUPPLEMENT 2

**Percent of Hawaiian women aged 18 +  
who had a Pap Test in past 3 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	150	105	462	299	361
NOT HAD	36	18	78	60	80
TOTAL	186	123	540	359	441

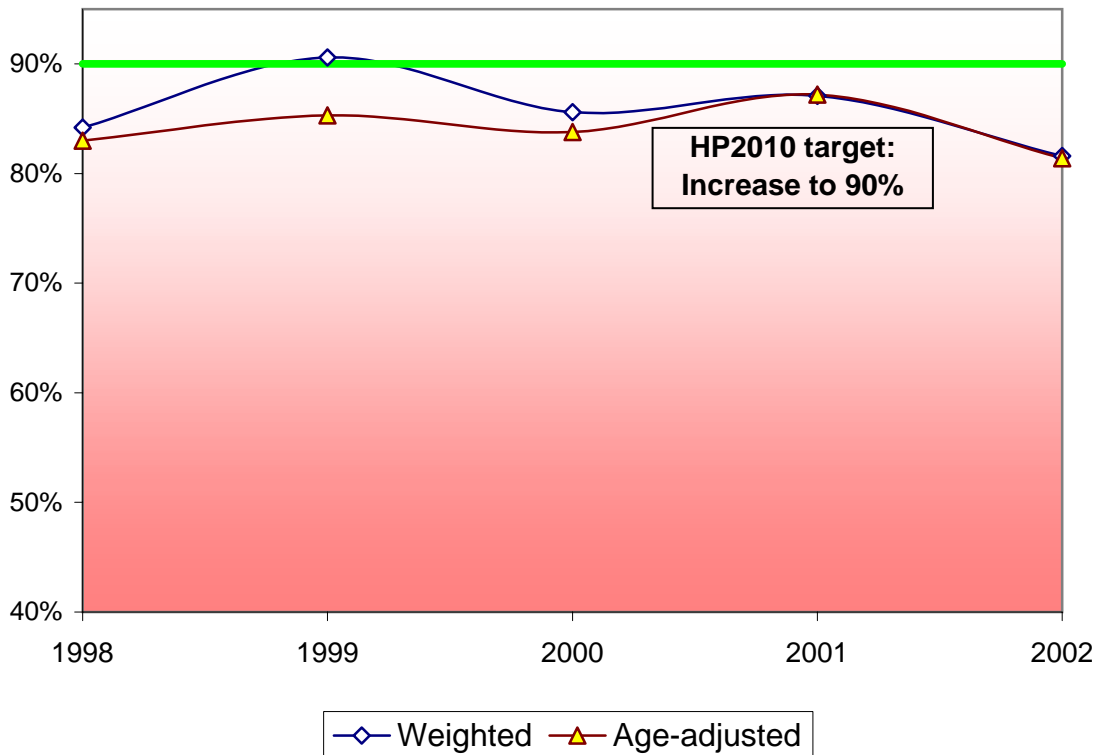
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	78.6	78.2	83.2	84.8	81.8
C.I (95%)	(68.4 - 86.1)	(64.4 - 87.7)	(78.1 - 87.3)	(79.1 - 89.1)	(76.4 - 86.2)
Age-adjusted percent	77.4	77.2	83.1	83.7	82.3
C.I (95%)	(68.0 - 84.7)	(64.5 - 86.2)	(78.2 - 87.0)	(78.0 - 88.1)	(77.1 - 86.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11b /SUPPLEMENT 3**

**Percent of Filipino women aged 18 +  
who had a Pap Test in past 3 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	107	87	326	273	355
NOT HAD	17	14	62	40	79
TOTAL	124	101	388	313	434

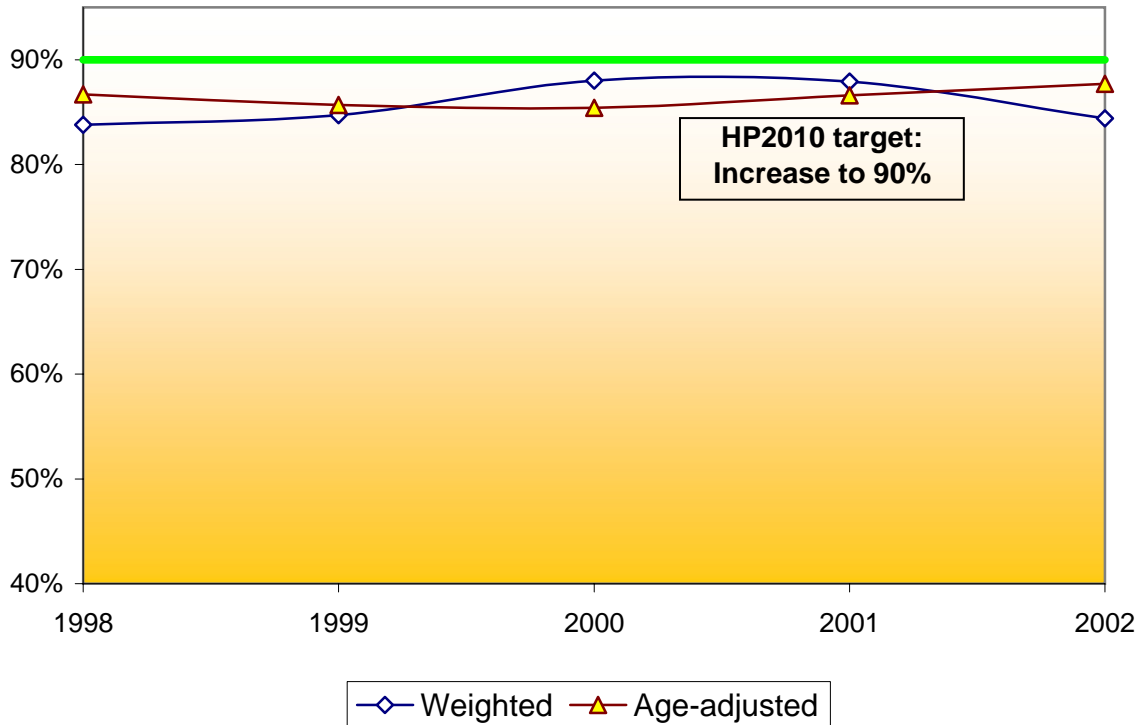
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	84.2	90.6	85.6	87.1	81.6
C.I (95%)	(73.9 - 91.0)	(82.3 - 95.3)	(80.2 - 89.8)	(80.5 - 91.7)	(76.5 - 85.8)
Age-adjusted percent	83.0	85.3	83.8	87.2	81.4
C.I (95%)	(72.8 - 89.9)	(73.2 - 92.4)	(78.1 - 88.3)	(81.2 - 91.5)	(76.2 - 85.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11b /SUPPLEMENT 4**

**Percent of Japanese women aged 18 +  
who had a Pap Test in past 3 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	229	153	626	448	577
NOT HAD	42	22	90	64	116
TOTAL	271	175	716	512	693

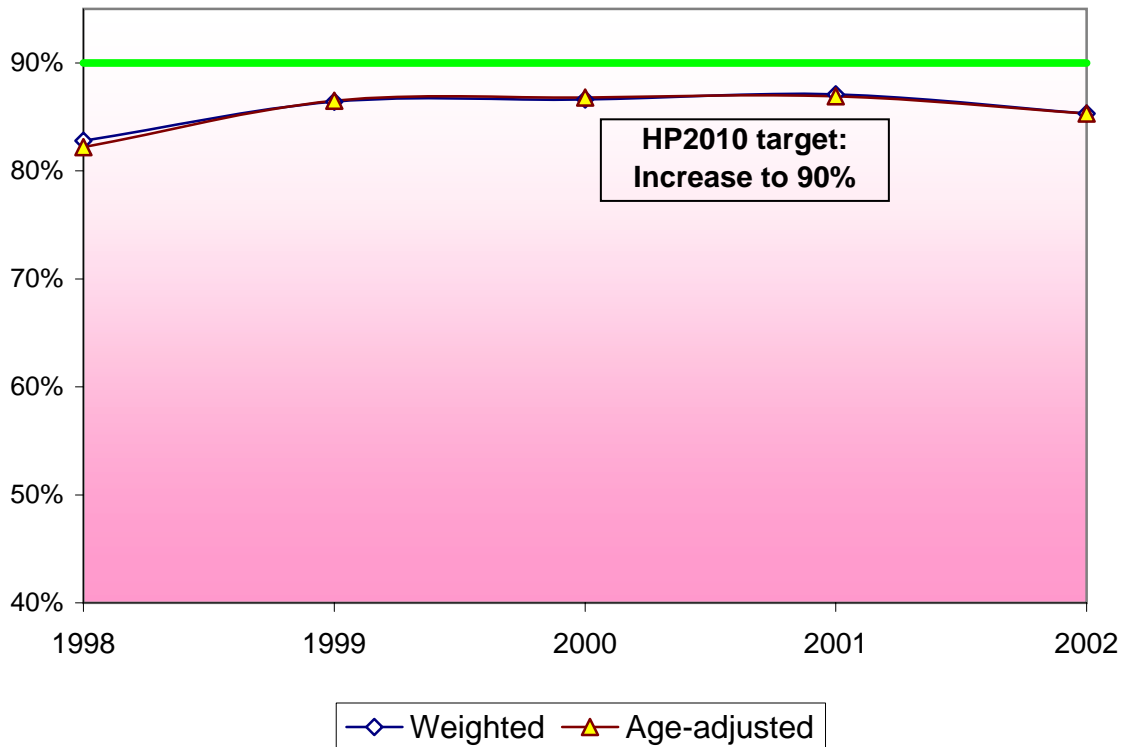
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	83.8	84.7	88.0	87.9	84.4
C.I (95%)	(77.3 - 88.8)	(75.7 - 90.8)	(84.8 - 90.6)	(83.9 - 91.0)	(81.0 - 87.3)
Age-adjusted percent	86.7	85.7	85.4	86.6	87.7
C.I (95%)	(81.4 - 90.7)	(76.6 - 91.7)	(81.0 - 89.0)	(81.1 - 90.7)	(84.5 - 90.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11b /SUPPLEMENT 5**

**Percent of women of other races aged 18 +  
who had a Pap Test in past 3 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	117	405	392	311	379
NOT HAD	25	73	56	41	70
TOTAL	142	478	448	352	449

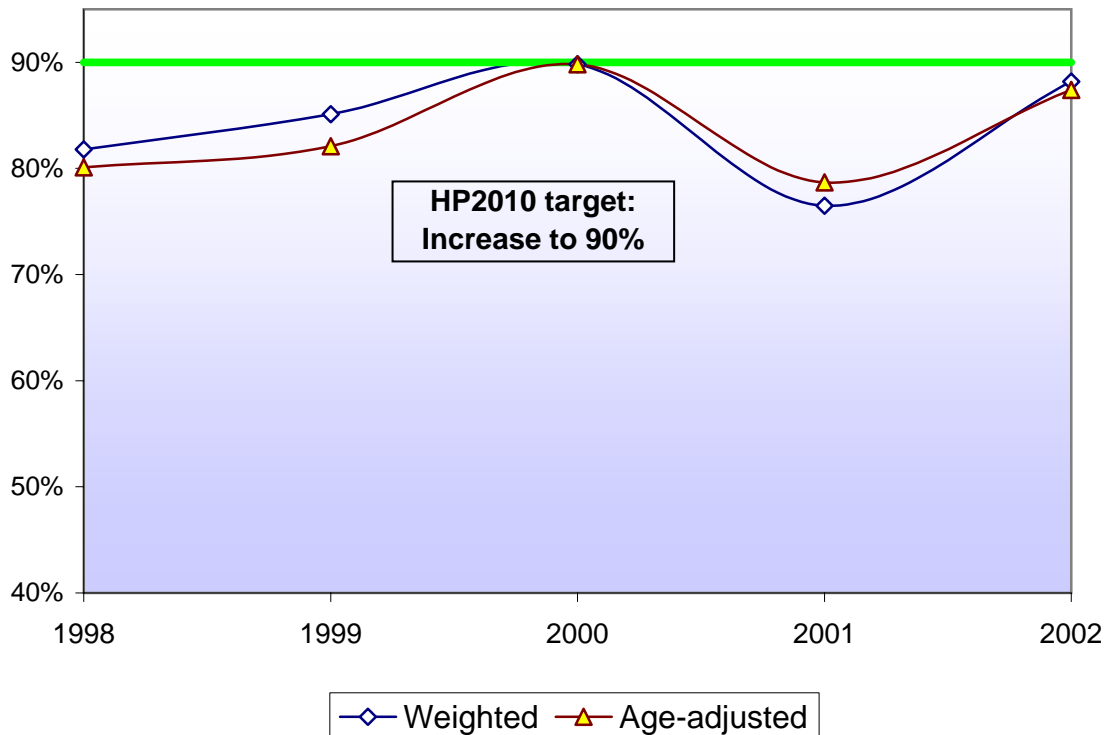
PERCENT	1998	1999	2000	2001	2002
Weighted percent	82.8	86.4	86.6	87.1	85.3
C.I (95%)	(73.5 - 89.4)	(82.1 - 89.8)	(82.1 - 90.1)	(82.0 - 90.9)	(80.7 - 88.9)
Age-adjusted percent	82.2	86.5	86.8	86.9	85.3
C.I (95%)	(73.8 - 88.3)	(82.2 - 89.8)	(82.7 - 90.0)	(81.9 - 90.7)	(81.0 - 88.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 3-11b /SUPPLEMENT 6**

**Percent of women aged 18 + in low income household  
who had a Pap Test in past 3 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	75	58	166	92	121
NOT HAD	12	10	28	25	17
TOTAL	87	68	194	117	138

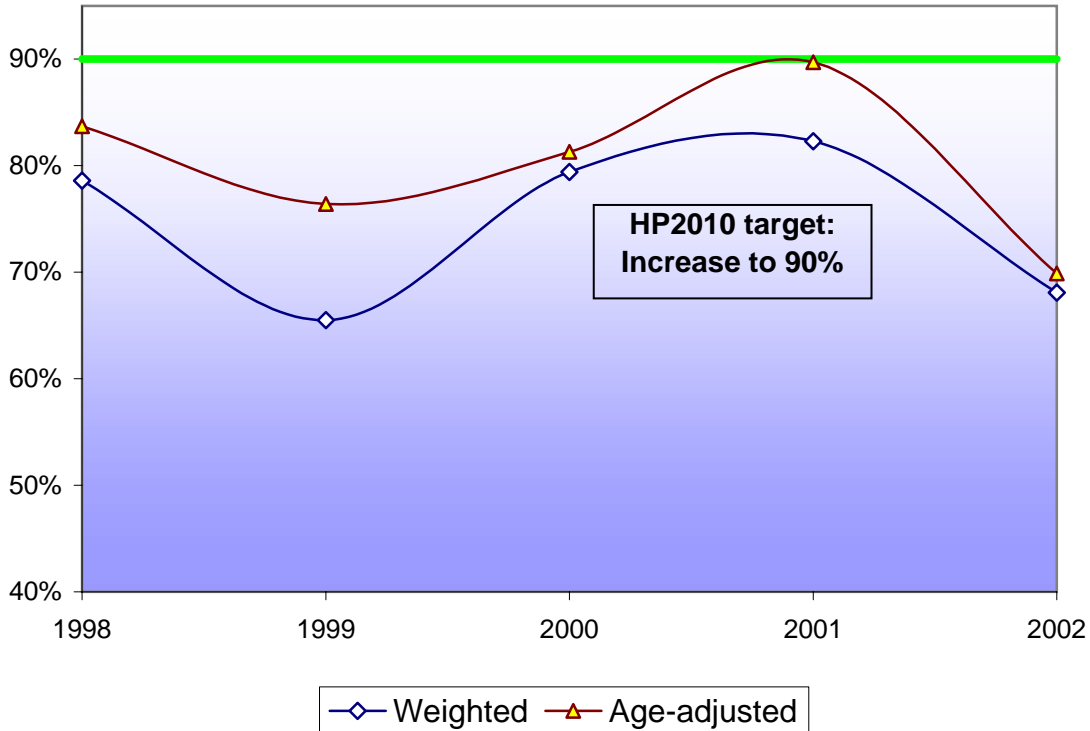
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	81.8	85.1	89.8	76.5	88.2
C.I (95%)	(64.6 - 91.7)	(68.1 - 93.9)	(83.4 - 93.9)	(62.5 - 86.5)	(79.5 - 93.5)
Age-adjusted percent	80.1	82.1	89.8	78.7	87.4
C.I (95%)	(63.9 - 90.2)	(62.5 - 92.7)	(83.7 - 93.8)	(67.0 - 87.0)	(78.7 - 92.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11b /SUPPLEMENT 7**

**Percent of women aged 25+ with less education who had a Pap Test in past 3 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	69	65	181	137	162
NOT HAD	23	28	66	44	82
TOTAL	92	93	247	181	244

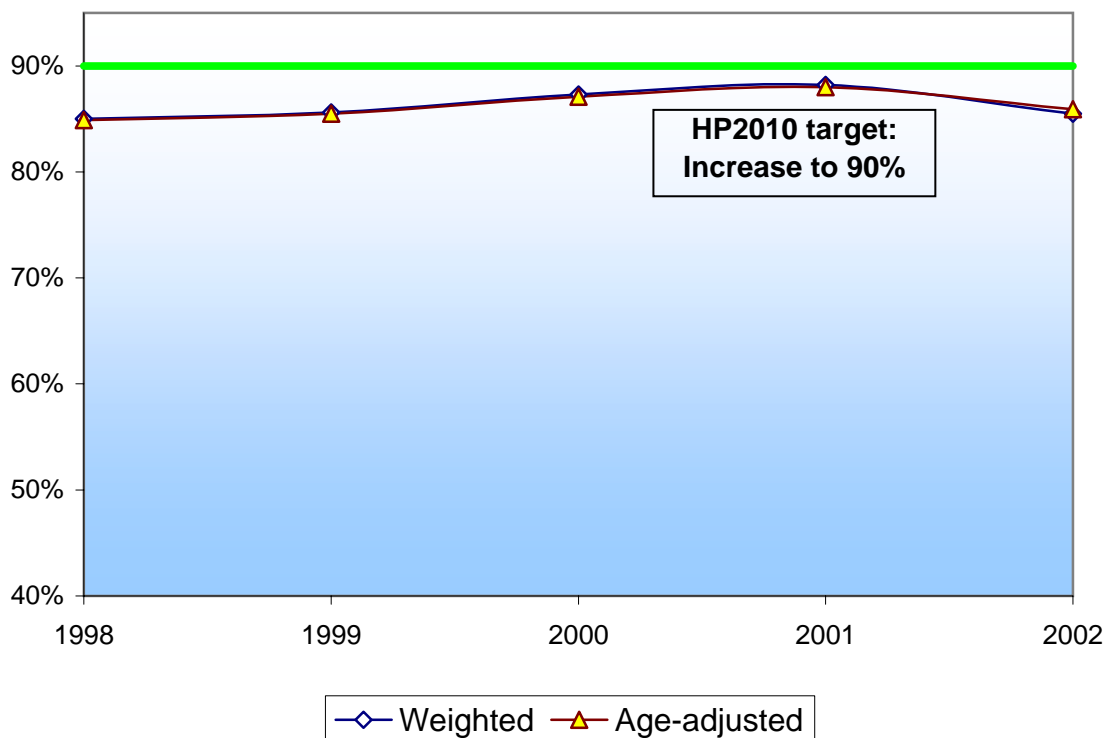
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	78.6	65.5	79.4	82.3	68.1
C.I (95%)	(61.9 - 89.2)	(51.1 - 77.5)	(72.4 - 85.0)	(73.8 - 88.4)	(59.8 - 75.3)
Age-adjusted percent	83.7	76.4	81.3	89.7	69.9
C.I (95%)	(72.1 - 91.1)	(63.4 - 85.8)	(71.7 - 88.2)	(81.6 - 94.4)	(60.2 - 78.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-11b /SUPPLEMENT 8

**Percent of women aged 18 +  
who had a Pap Test in past 3 years  
Honolulu County, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	486	456	1382	931	1372
NOT HAD	69	70	199	129	228
TOTAL	555	526	1581	1060	1600

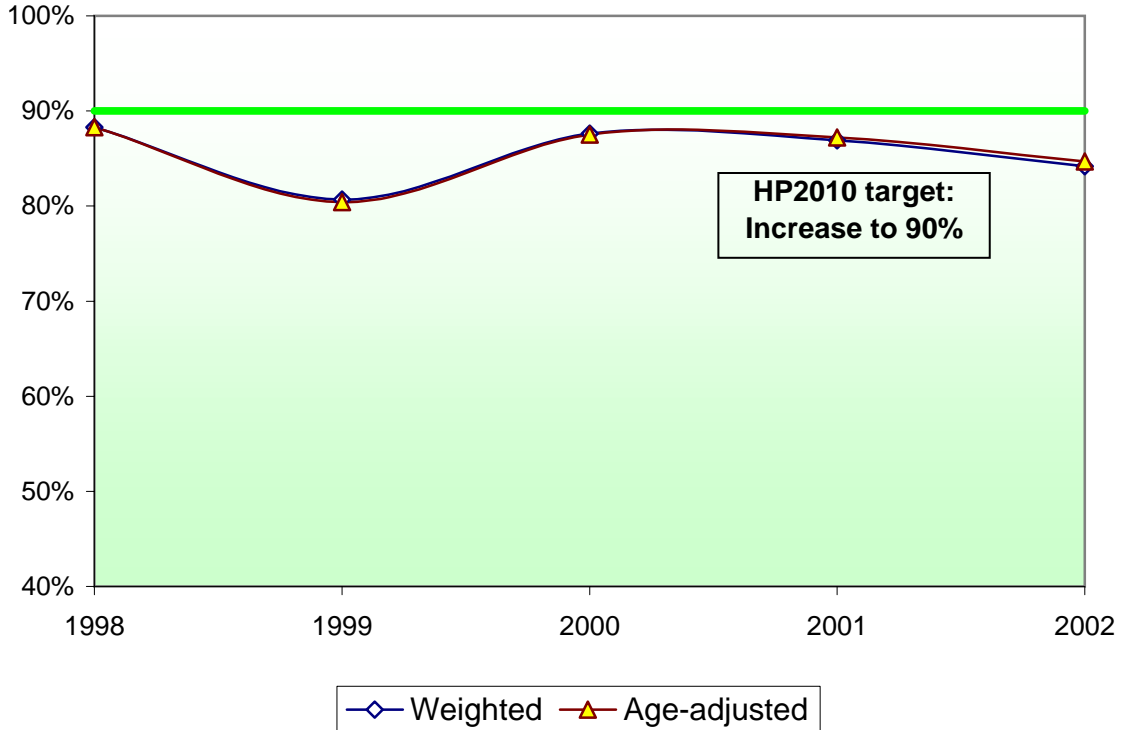
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	85.0	85.6	87.3	88.2	85.5
C.I (95%)	(81.0 - 88.3)	(81.6 - 88.8)	(85.2 - 89.2)	(85.7 - 90.3)	(83.3 - 87.4)
Age-adjusted percent	84.9	85.5	87.1	88.0	85.9
C.I (95%)	(80.9 - 88.2)	(81.5 - 88.7)	(85.0 - 88.9)	(85.5 - 90.2)	(83.8 - 87.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-11b /SUPPLEMENT 9**

**Percent of women aged 18 +  
who had a Pap Test in past 3 years  
Hawaii County, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	254	234	708	509	643
NOT HAD	39	52	101	73	136
TOTAL	293	286	809	582	779

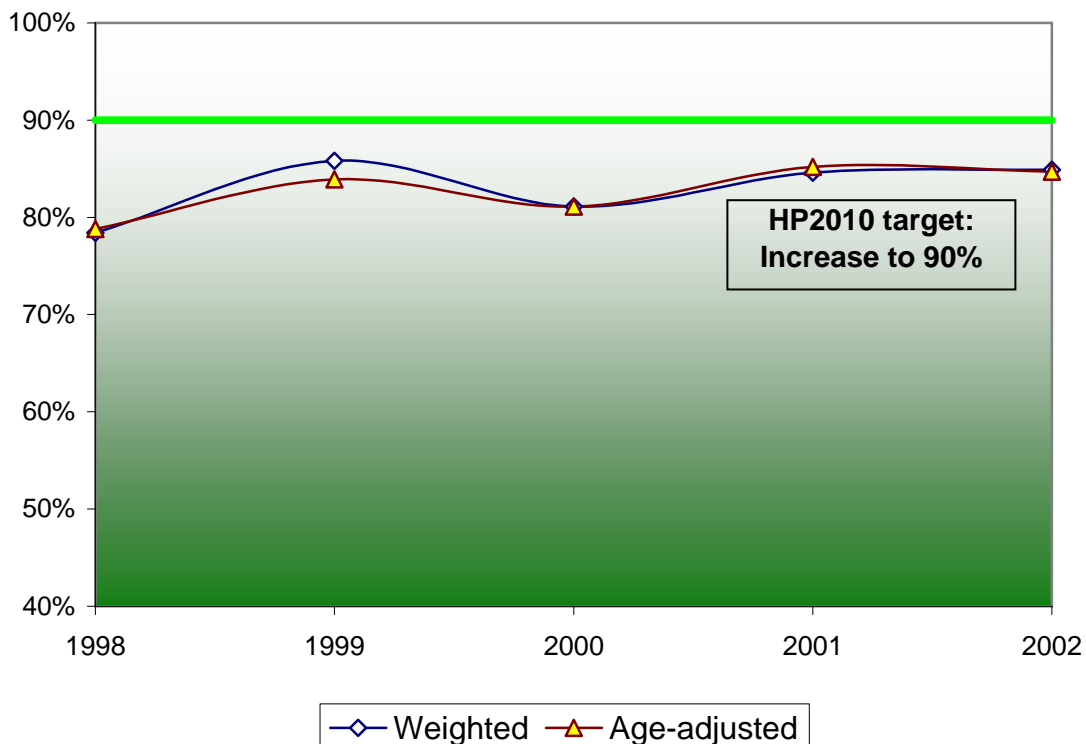
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	88.3	80.7	87.6	86.9	84.2
C.I (95%)	(83.7 - 91.7)	(74.6 - 85.6)	(84.5 - 90.1)	(83.2 - 89.8)	(81.1 - 86.9)
Age-adjusted percent	88.3	80.4	87.5	87.2	84.7
C.I (95%)	(83.5 - 91.8)	(74.1 - 85.4)	(84.4 - 90.2)	(83.4 - 90.1)	(81.5 - 87.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-11b /SUPPLEMENT 10

**Percent of women aged 18 +  
who had a Pap Test in past 3 years  
Kauai County, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	104	91	265	276	279
NOT HAD	29	17	51	46	52
TOTAL	133	108	316	322	331

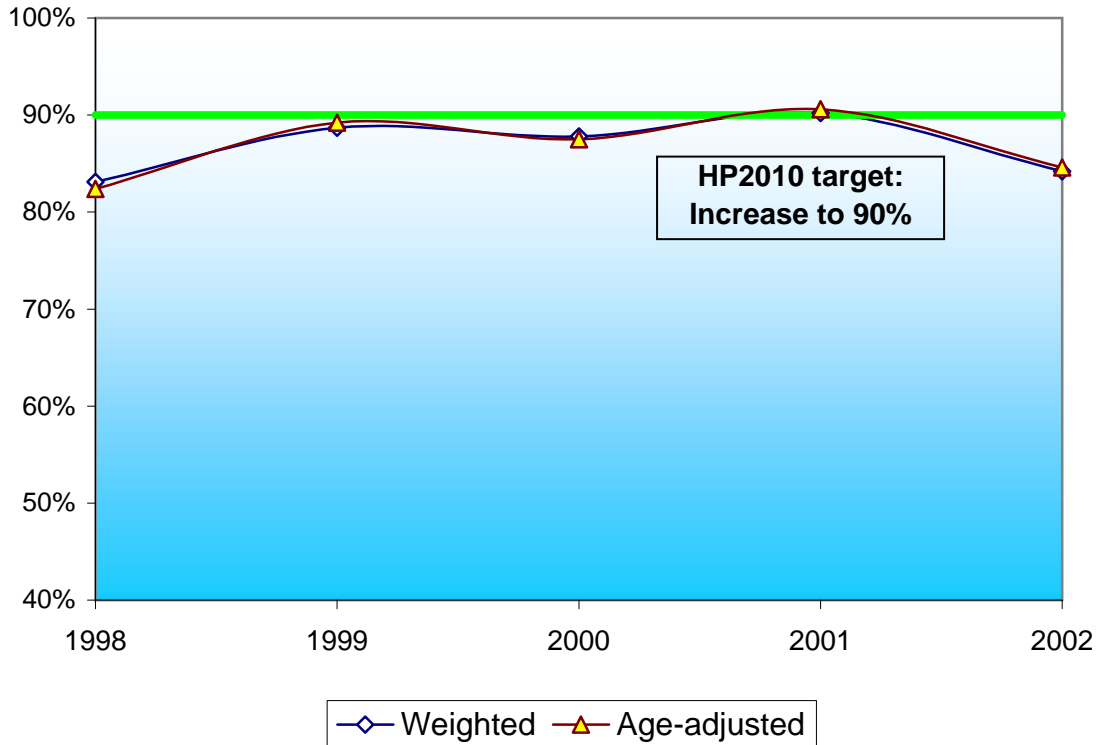
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	78.4	85.8	81.1	84.6	84.9
C.I (95%)	(69.7 - 85.1)	(76.5 - 91.8)	(74.7 - 86.2)	(79.6 - 88.6)	(79.8 - 88.8)
Age-adjusted percent	78.8	83.9	81.1	85.2	84.7
C.I (95%)	(70.1 - 85.5)	(74.7 - 90.2)	(74.4 - 86.4)	(80.4 - 90.0)	(79.3 - 88.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-11b /SUPPLEMENT 11

**Percent of women aged 18 +  
who had a Pap Test in past 3 years  
Maui County, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	182	206	530	521	537
NOT HAD	38	27	74	63	107
TOTAL	220	233	604	584	644

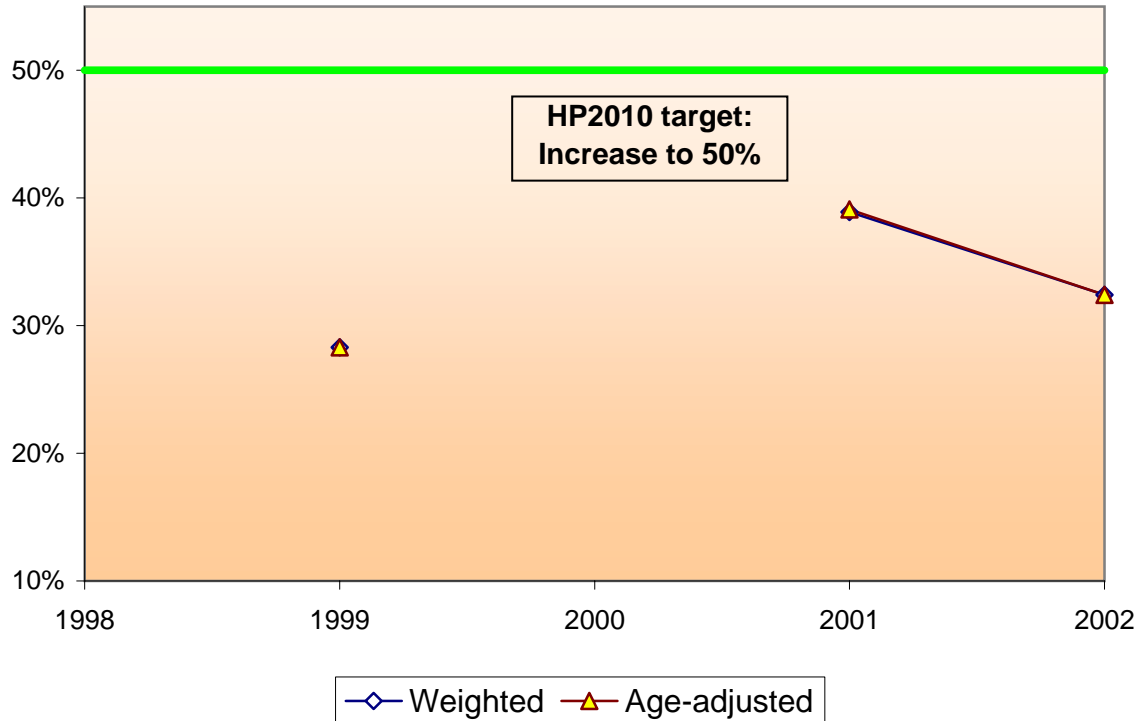
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	83.1	88.7	87.8	90.2	84.2
C.I (95%)	(76.0 - 88.4)	(83.3 - 92.6)	(84.1 - 90.7)	(86.9 - 92.7)	(80.4 - 87.4)
Age-adjusted percent	82.4	89.2	87.5	90.6	84.6
C.I (95%)	(75.2 - 87.9)	(84.0 - 92.8)	(83.7 - 90.5)	(87.5 - 93.0)	(81.0 - 87.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12a

**Percent of adults aged 50 +  
who had a fecal occult blood test in past 2 years  
Hawaii, 1998-2002**



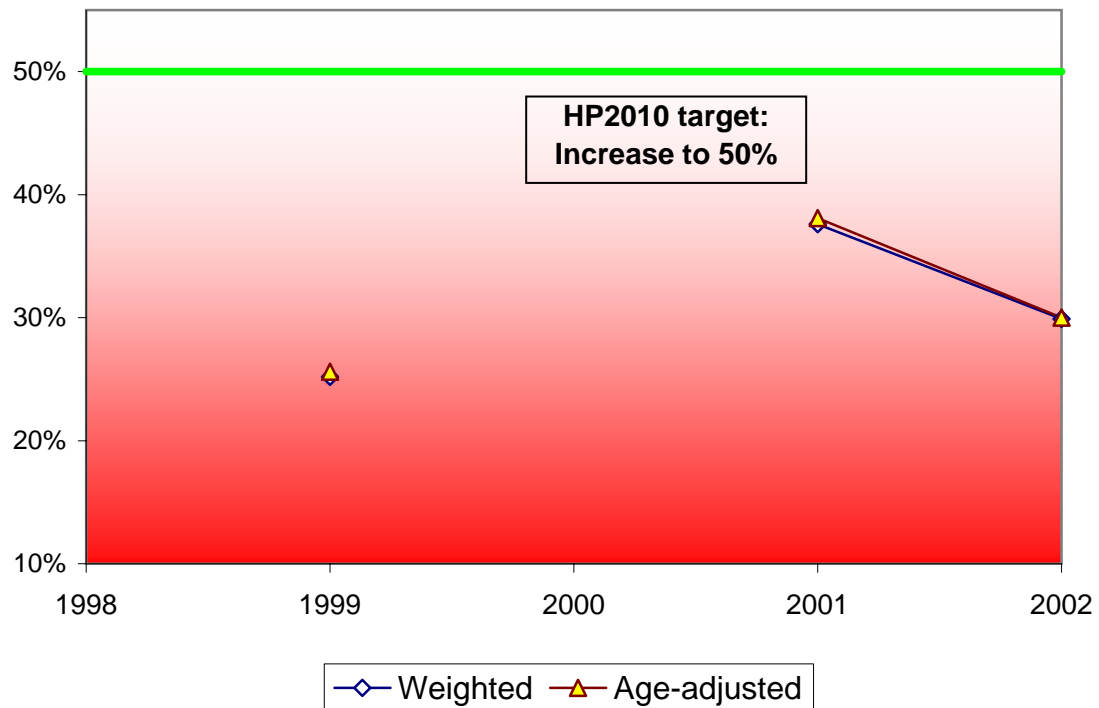
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		243		671	897
NOT HAD		616		1161	1797
TOTAL		859		1832	2694

PERCENT	1998	1999	2000	2001	2002
Weighted percent		28.3		38.9	32.4
C.I (95%)		(24.4 - 32.4)		(35.8 - 42.1)	(30.1 - 34.8)
Age-adjusted percent		28.3		39.1	32.4
C.I (95%)		(24.5 - 32.4)		(36.1 - 42.1)	(30.1 - 34.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12a /SUPPLEMENT 1

Percent of men aged 50 +  
who had a fecal occult blood test in past 2 years  
Hawaii, 1998-2002



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		95		262	348
NOT HAD		298		490	781
TOTAL		393		752	1129

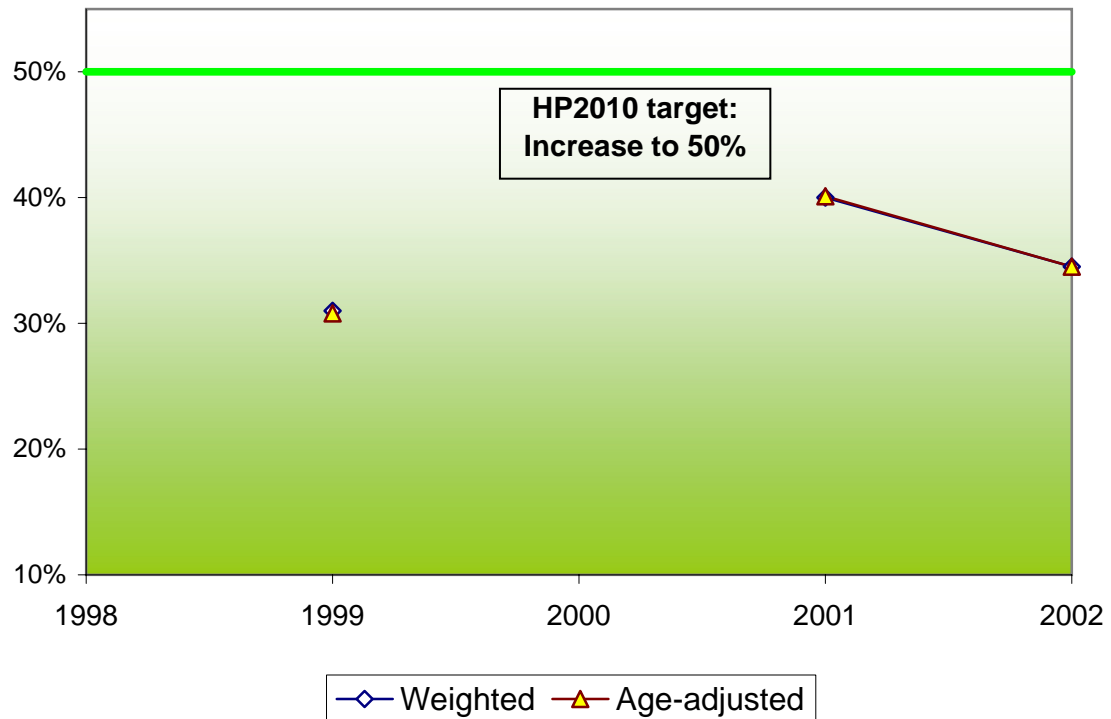
PERCENT	1998	1999	2000	2001	2002
Weighted percent		25.2		37.6	29.9
C.I (95%)		(20.2 - 31.1)		(33.1 - 42.4)	(26.5 - 33.5)
Age-adjusted percent		25.6		38.1	30.0
C.I (95%)		(20.5 - 31.4)		(33.6 - 42.7)	(26.6 - 33.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 3-12a /SUPPLEMENT 2

**Percent of women aged 50 +  
who had a fecal occult blood test in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		148		409	549
NOT HAD		318		671	1016
TOTAL		466		1080	1565

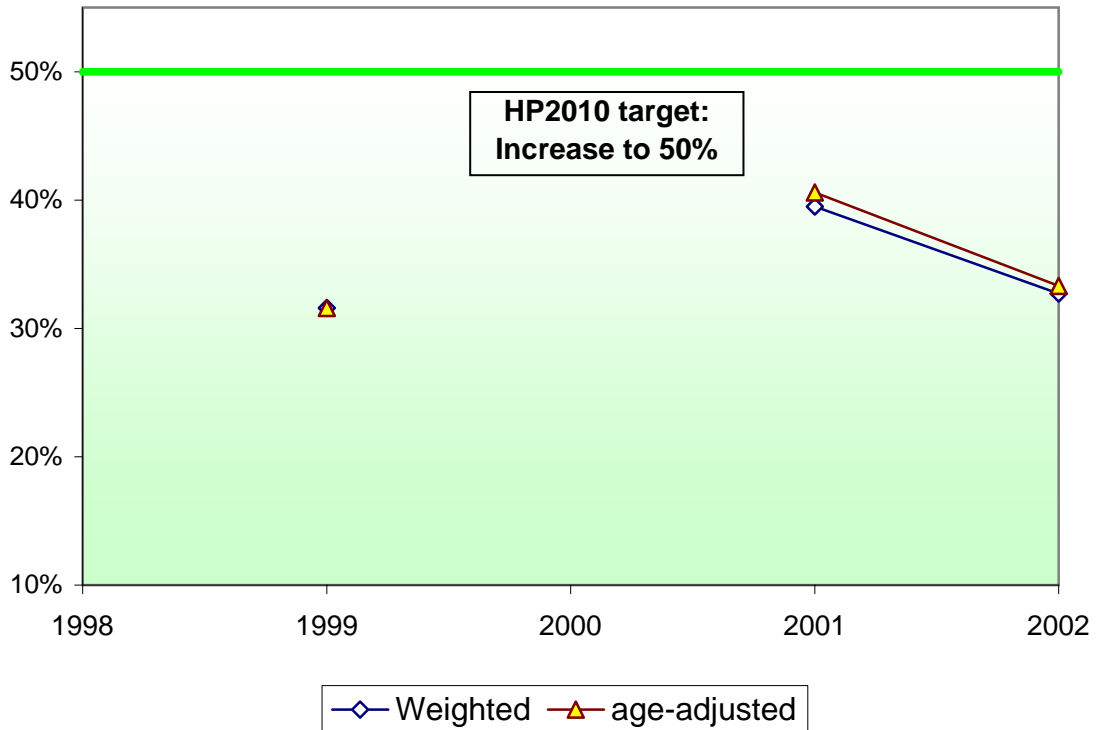
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		31.0		40.0	34.5
C.I (95%)		(25.5 - 37.1)		(35.8 - 44.3)	(31.4 - 37.7)
Age-adjusted percent		30.8		40.1	34.5
C.I (95%)		(25.5 - 36.8)		(36.0 - 44.3)	(31.4 - 37.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-12a /SUPPLEMENT 3**

**Percent of White adults aged 50 +  
who had a fecal occult blood test in past 2 years  
Hawaii, 1998-2002**



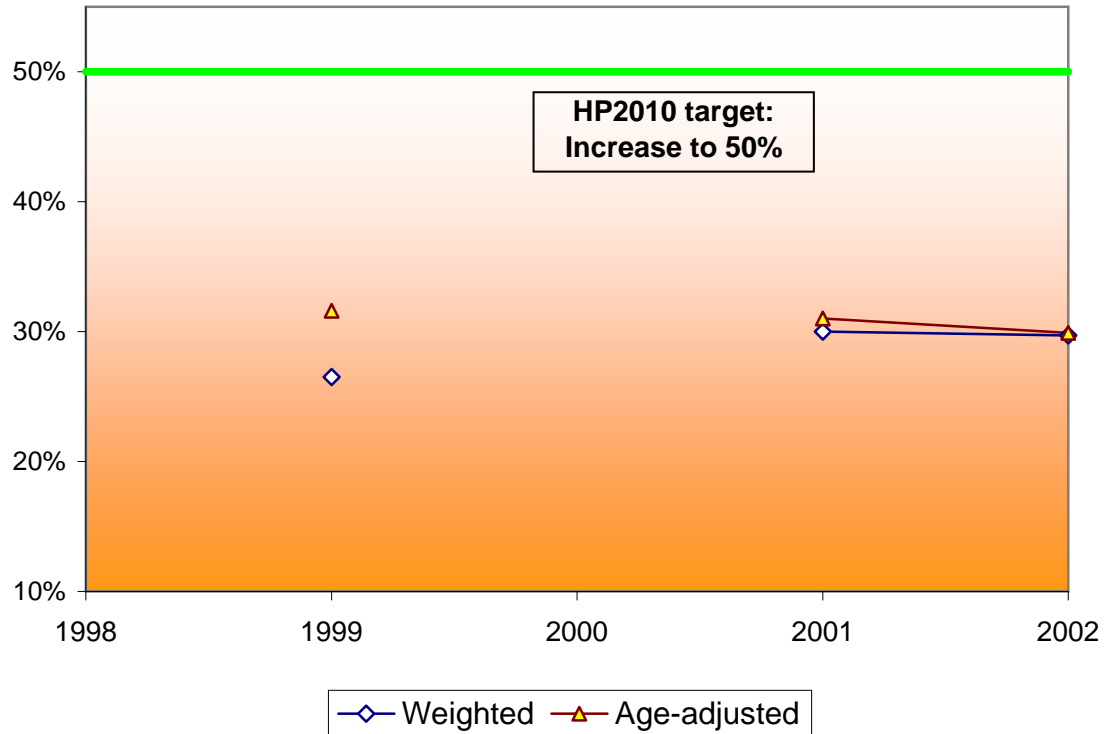
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		67		275	378
NOT HAD		151		514	749
TOTAL		218		789	1127

PERCENT	1998	1999	2000	2001	2002
Weighted percent		31.6		39.5	32.7
C.I (95%)		(24.3 - 40.0)		(34.9 - 44.2)	(29.0 - 36.5)
Age-adjusted percent		31.6		40.6	33.3
C.I (95%)		(24.3 - 40.1)		(35.9 - 45.4)	(29.7 - 37.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12a /SUPPLEMENT 4

**Percent of Hawaiians aged 50 +  
who had a fecal occult blood test in past 2 years  
Hawaii, 1998-2002**



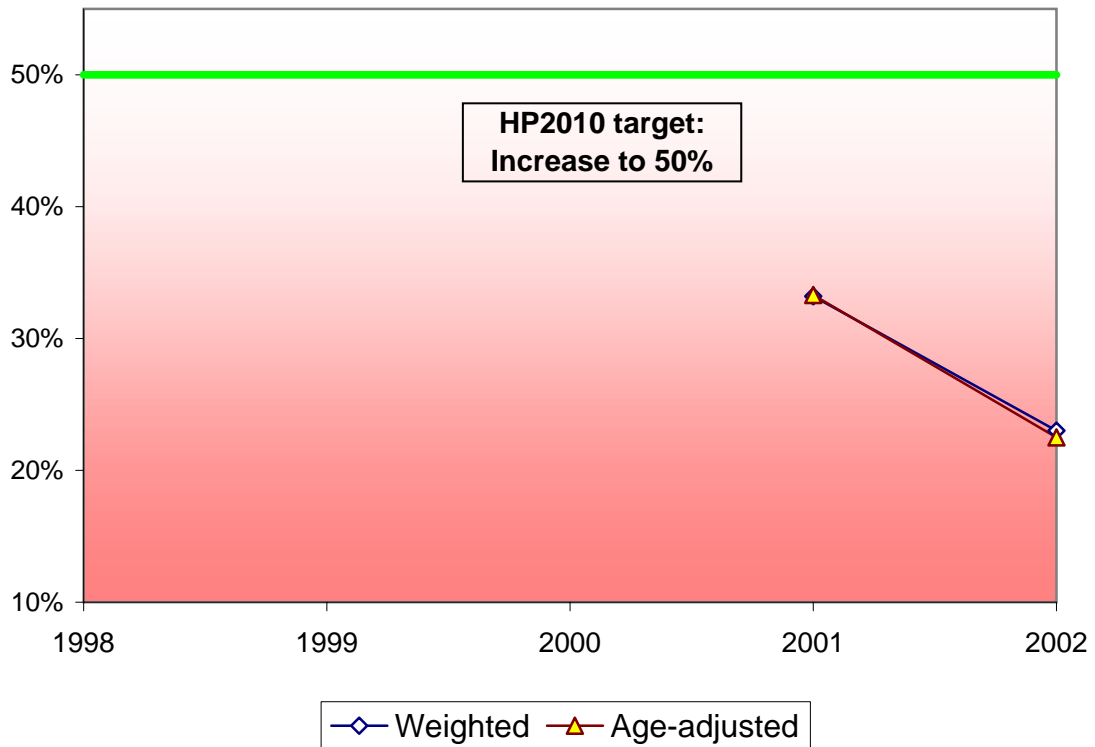
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		14		54	77
NOT HAD		42		132	211
TOTAL		56		186	288

PERCENT	1998	1999	2000	2001	2002
Weighted percent		26.5		30.0	29.7
C.I (95%)		(12.6 - 47.4)		(21.7 - 39.9)	(22.9 - 37.6)
Age-adjusted percent		31.6		31.0	29.9
C.I (95%)		(17.3 - 50.5)		(22.7 - 40.80)	(23.1 - 37.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-12a /SUPPLEMENT 5**

**Percent of Filipinos aged 50 +  
who had a fecal occult blood test in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD				60	81
NOT HAD				131	222
TOTAL				191	303

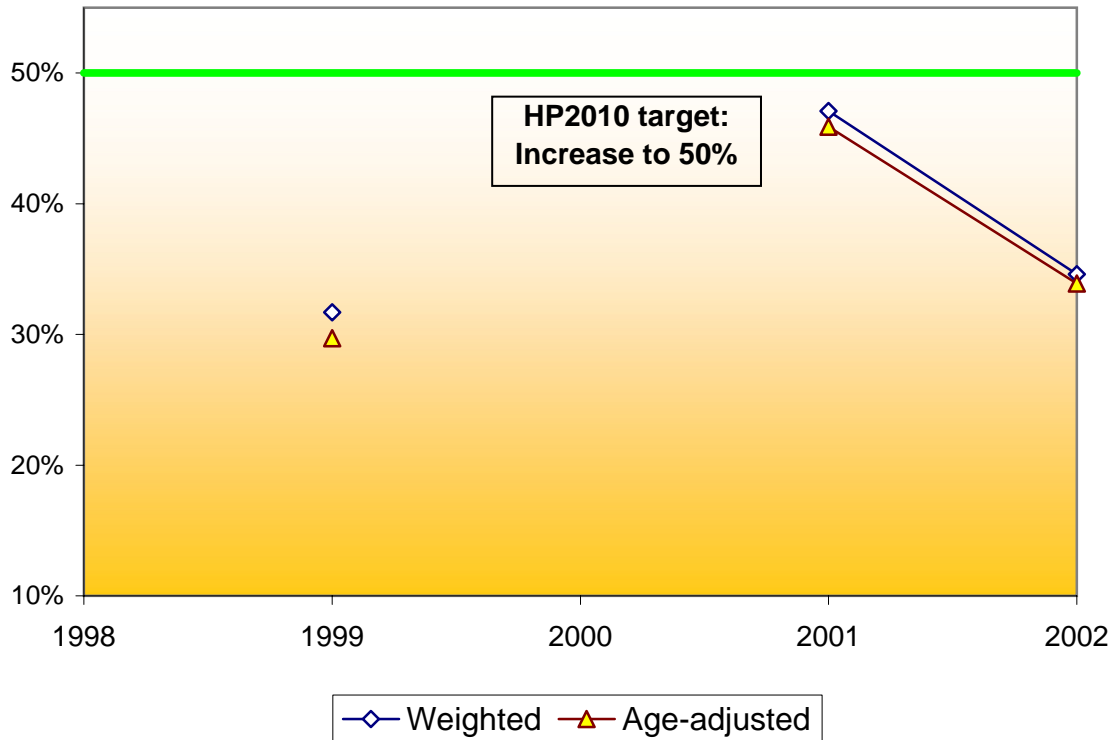
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent				33.2	23.0
C.I (95%)				(22.9 - 45.4)	(17.5 - 29.7)
Age-adjusted percent				33.3	22.5
C.I (95%)				(23.3 - 45.1)	(17.2 - 28.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-12a /SUPPLEMENT 6**

**Percent of Japanese aged 50 +  
who had a fecal occult blood test in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		62		214	252
NOT HAD		138		243	427
TOTAL		200		457	679

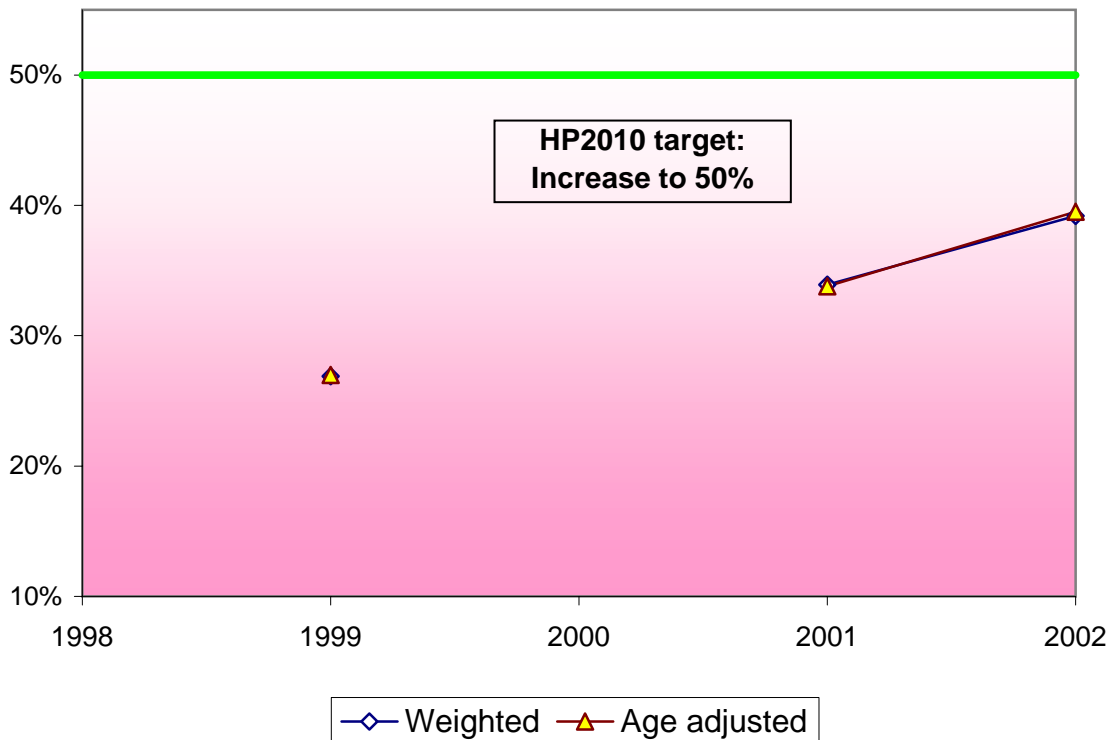
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		31.7		47.1	34.6
C.I (95%)		(23.8 - 40.7)		(41.3 - 53.0)	(30.2 - 39.0)
Age-adjusted percent		29.7		45.9	33.9
C.I (95%)		(22.3 - 38.4)		(39.9 - 52.0)	(29.2 - 39.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12a /SUPPLEMENT 7

**Percent of adults of other races aged 50 +  
who had a fecal occult blood test in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		92		68	109
NOT HAD		245		141	188
TOTAL		337		209	297

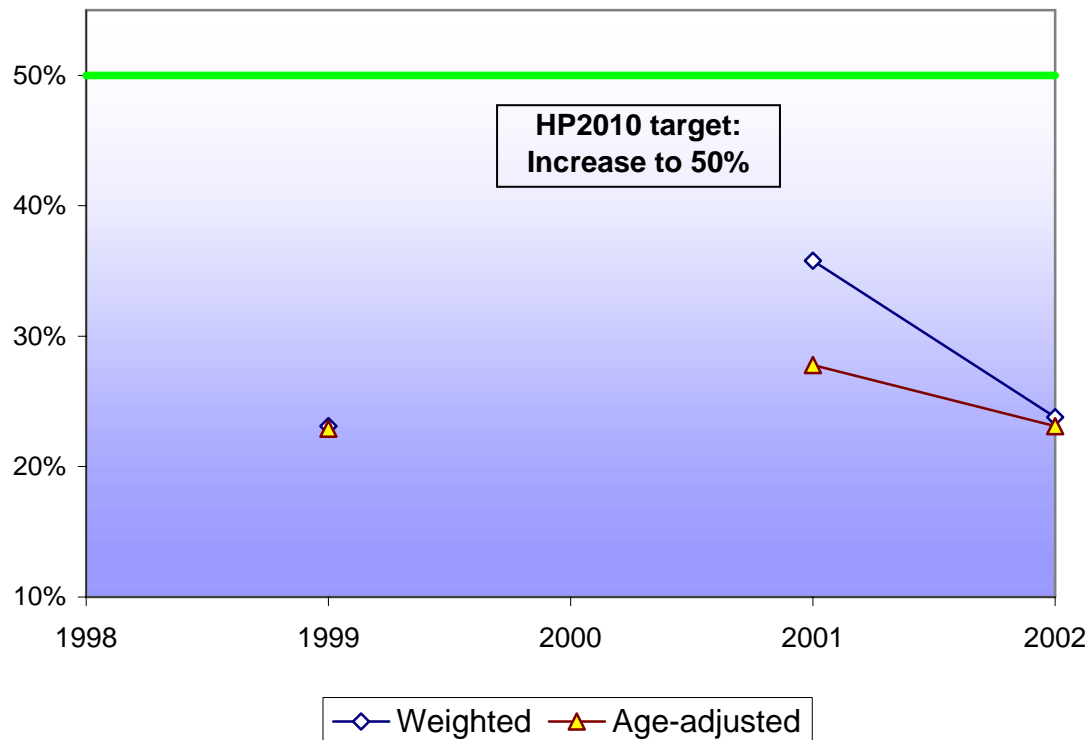
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		26.9		33.9	39.2
C.I (95%)		(21.3 - 33.3)		(25.9 - 43.0)	(32.6 - 46.2)
Age-adjusted percent		27.0		33.8	39.5
C.I (95%)		(21.6 - 33.3)		(26.3 - 42.3)	(32.9 - 46.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-12a /SUPPLEMENT 8**

**Percent of adults aged 50 + with less education who had a fecal occult blood test in past 2 years  
Hawaii, 1998-2002**



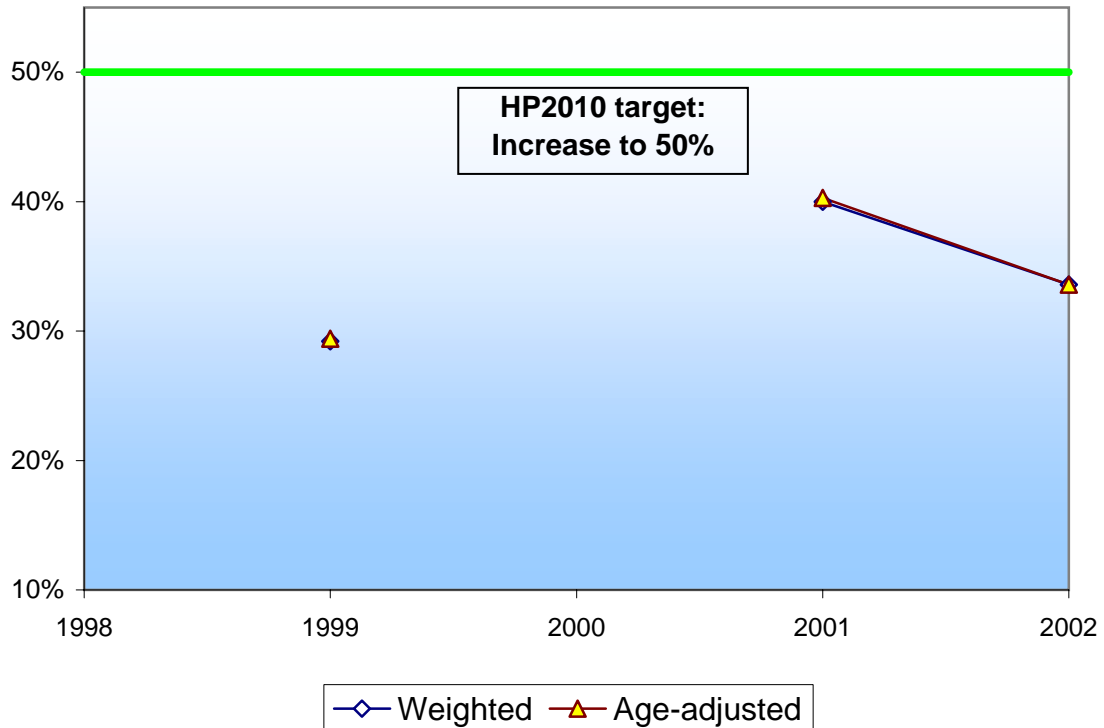
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		31		66	82
NOT HAD		88		146	203
TOTAL		119		212	285

PERCENT	1998	1999	2000	2001	2002
Weighted percent		23.1		35.8	23.8
C.I (95%)		(14.8 - 34.1)		(25.4 - 47.7)	(18.0 - 30.9)
Age-adjusted percent		22.9		27.8	23.1
C.I (95%)		(14.3 - 34.6)		(20.5 - 36.5)	(15.5 - 33.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12a /SUPPLEMENT 9

**Percent of adults aged 50 +  
who had a fecal occult blood test in past 2 years  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		114		296	411
NOT HAD		248		441	720
TOTAL		362		737	1131

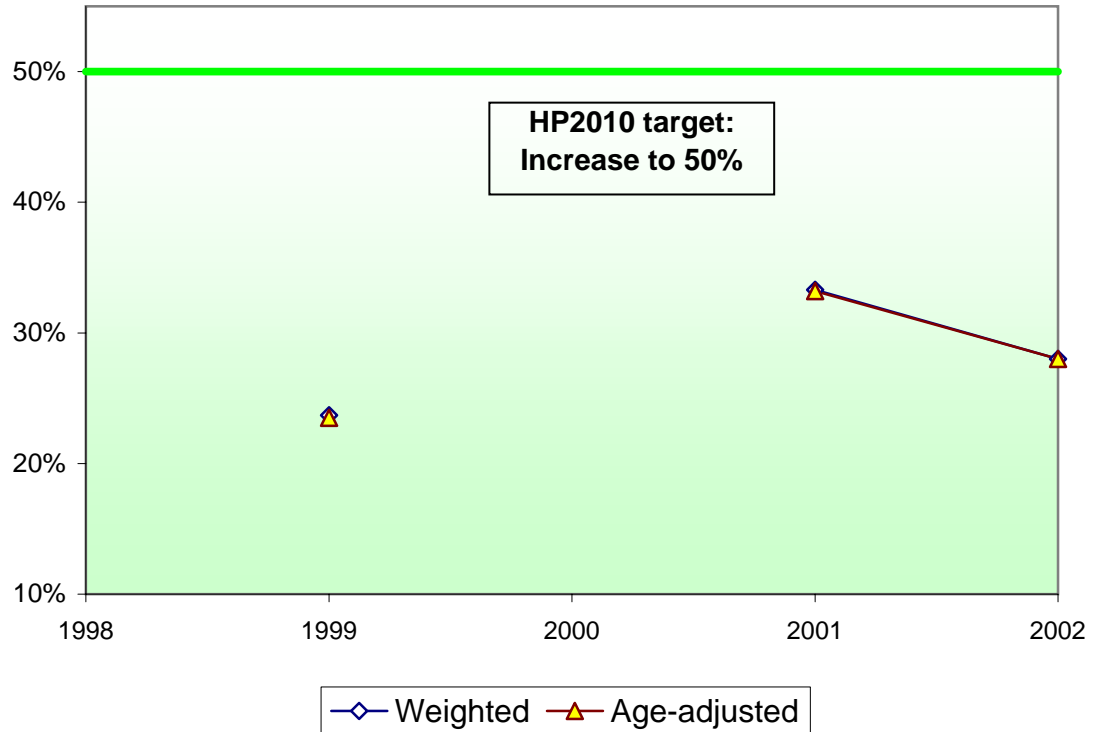
PERCENT	1998	1999	2000	2001	2002
Weighted percent		29.2		40.0	33.6
C.I (95%)		(24.2 - 34.7)		(35.9 - 44.3)	(30.5 - 36.8)
Age-adjusted percent		29.4		40.3	33.6
C.I (95%)		(24.5 - 34.8)		(36.3 - 44.5)	(30.5 - 36.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 3-12a /SUPPLEMENT 10**

**Percent of adults aged 50 +  
who had a fecal occult blood test in past 2 years  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		59		142	227
NOT HAD		189		309	510
TOTAL		248		451	737

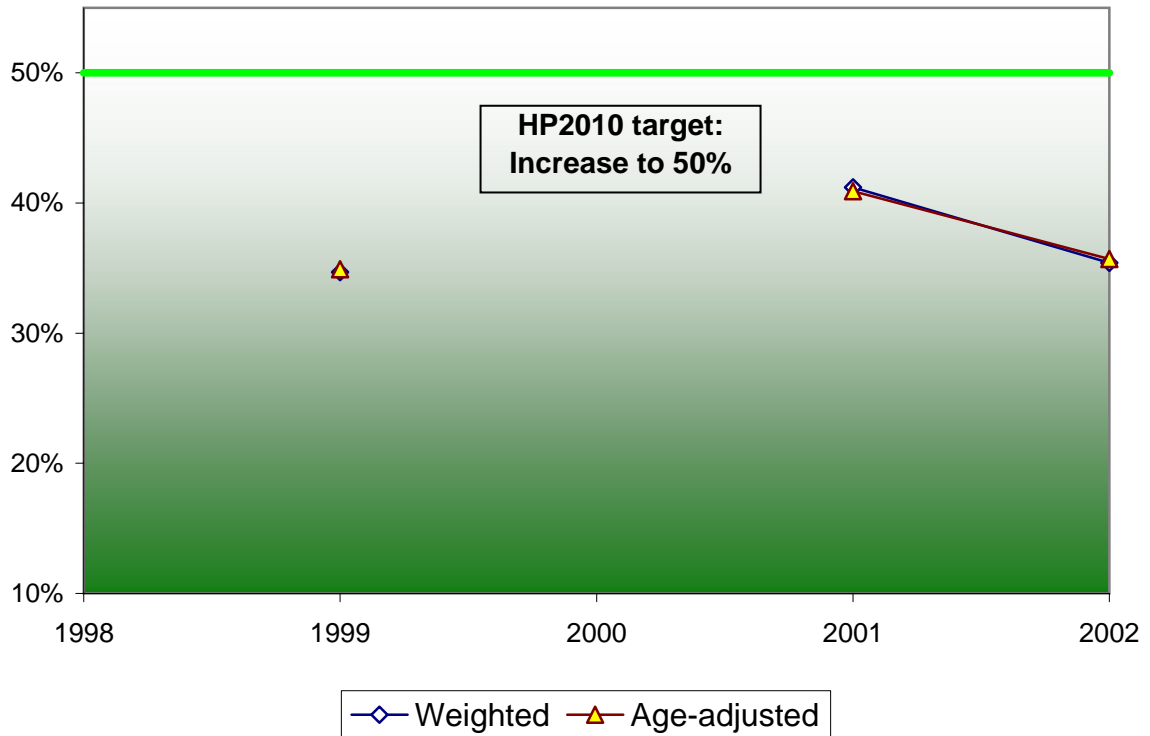
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		23.7		33.3	28.0
C.I (95%)		(18.3 - 30.0)		(28.6 - 38.3)	(24.6 - 31.7)
Age-adjusted percent		23.5		33.2	28.0
C.I (95%)		(18.2 - 29.7)		(28.7 - 38.0)	(24.6 - 31.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-13/Supplement 11

**Percent of adults aged 50 +  
who had a fecal occult blood test in past 2 years  
Kauai county, Hawaii, 1998-2002**



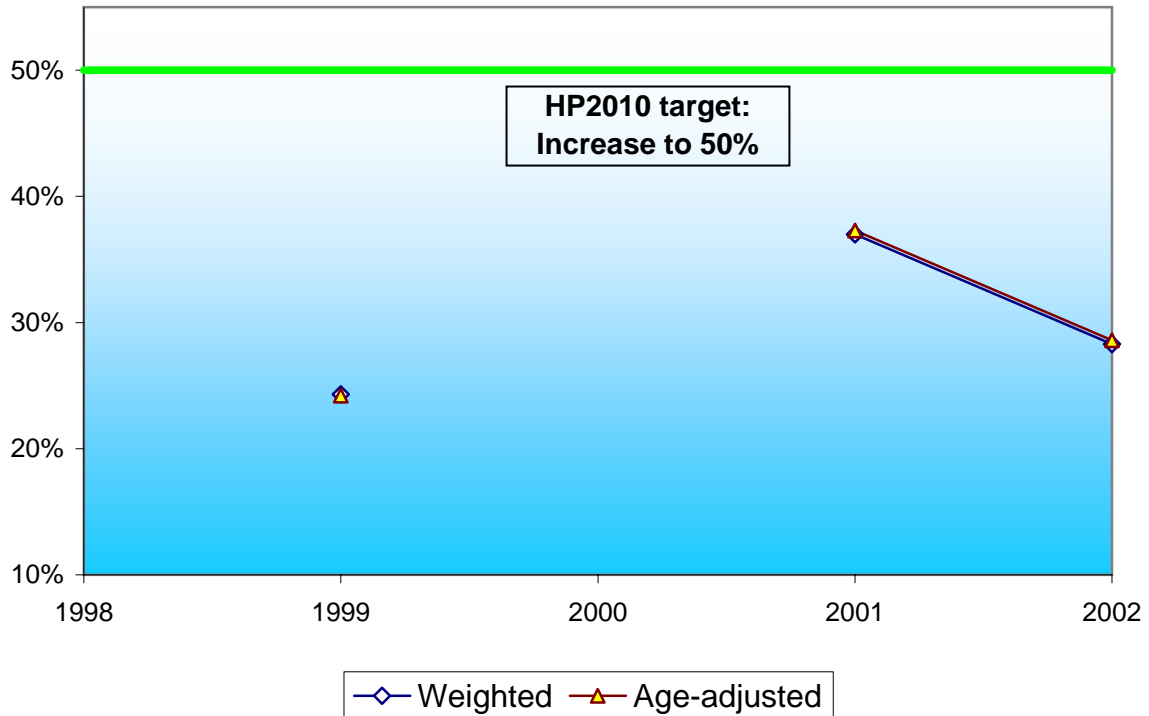
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		32		92	111
NOT HAD		63		145	188
TOTAL		95		237	299

PERCENT	1998	1999	2000	2001	2002
Weighted percent		34.7		41.2	35.4
C.I (95%)		(24.5 - 46.4)		(33.9 - 48.9)	(29.4 - 41.9)
Age-adjusted percent		34.9		40.9	35.7
C.I (95%)		(24.6 - 46.8)		(33.5 - 48.8)	(29.6 - 42.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-12a /SUPPLEMENT 12**

**Percent of adults aged 50 +  
who had a fecal occult blood test in past 2 years  
Maui county, Hawaii, 1998-2002**



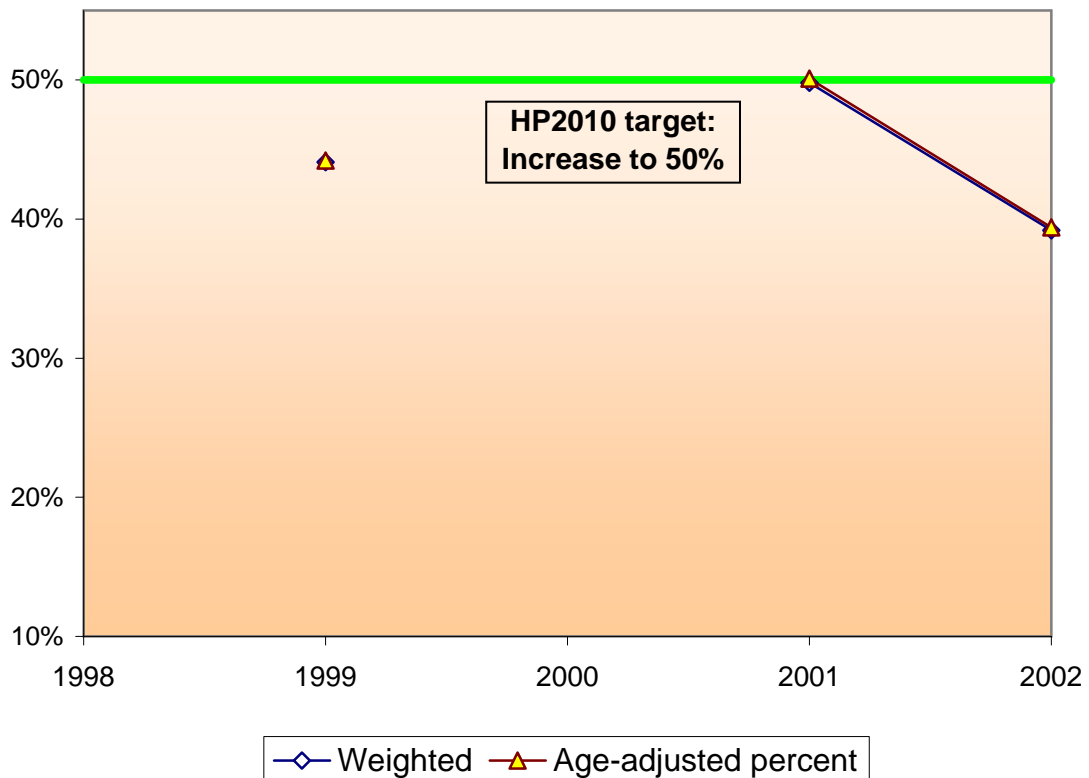
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		38		141	148
NOT HAD		116		266	379
TOTAL		154		407	527

PERCENT	1998	1999	2000	2001	2002
Weighted percent		24.3		37.0	28.3
C.I (95%)		(17.2 - 33.1)		(31.5 - 42.9)	(24.0 - 33.1)
Age-adjusted percent		24.2		37.3	28.6
C.I (95%)		(17.3 - 32.6)		(31.9 - 42.9)	(24.2 - 33.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b

**Percent of adults aged 50 + who had a sigmoidoscopy  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		352		877	1079
NOT HAD		500		959	1642
TOTAL		852		1836	2721

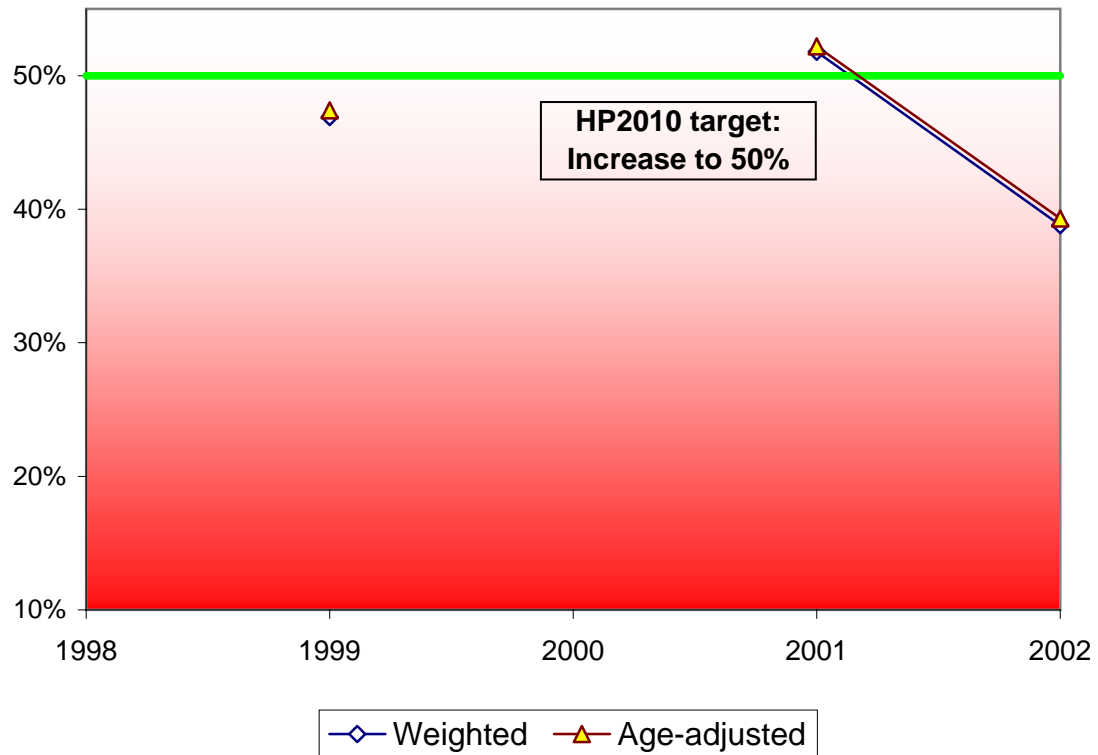
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		44.1		49.8	39.2
C.I (95%)		(39.7 - 48.7)		(46.6 - 53.0)	(36.8 - 41.7)
Age-adjusted percent		44.2		50.1	39.4
C.I (95%)		(39.8 - 48.7)		(47.0 - 53.3)	(37.0 - 41.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b /SUPPLEMENT 1

Percent of men aged 50 + who had a sigmoidoscopy  
Hawaii, 1998-2002



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		170		382	441
NOT HAD		220		377	694
TOTAL		390		759	1135

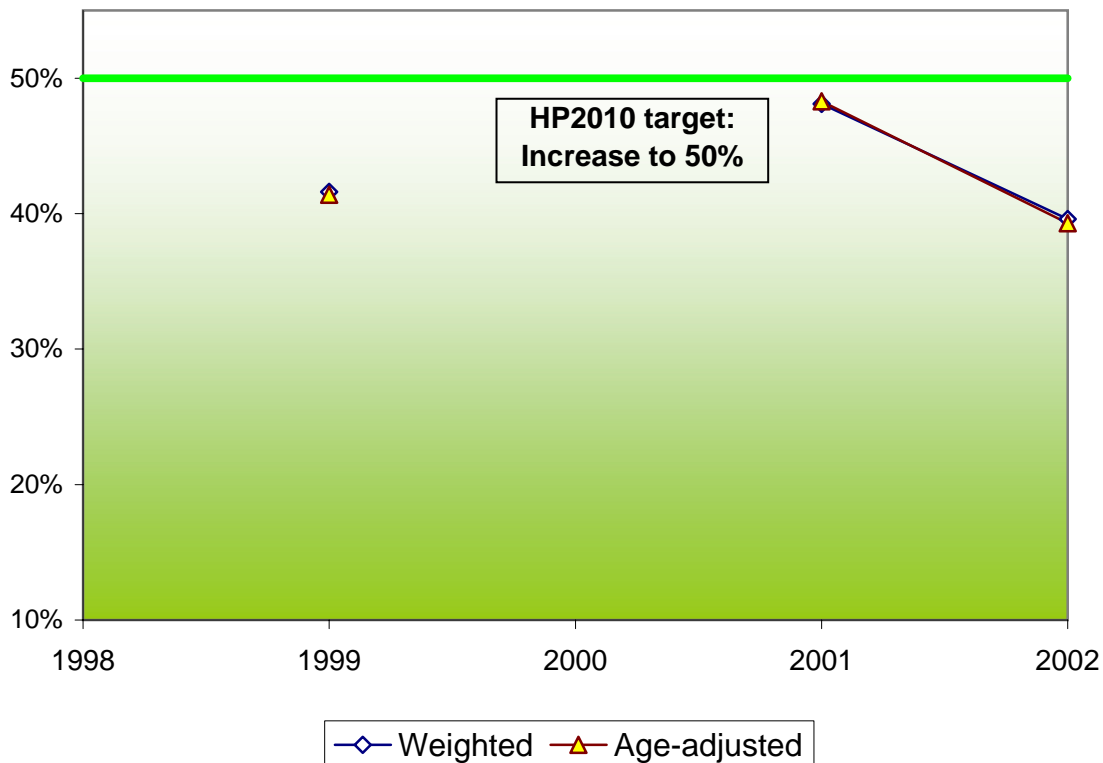
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		46.9		51.8	38.8
C.I (95%)		(40.5 - 53.5)		(47.0 - 56.5)	(35.0 - 42.6)
Age-adjusted percent		47.4		52.2	39.3
C.I (95%)		(41.2 - 53.7)		(47.4 - 56.9)	(35.6 - 43.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b /SUPPLEMENT 2

Percent of women aged 50 + who had a sigmoidoscopy  
Hawaii, 1998-2002



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		182		495	638
NOT HAD		280		582	948
TOTAL		462		1077	1586

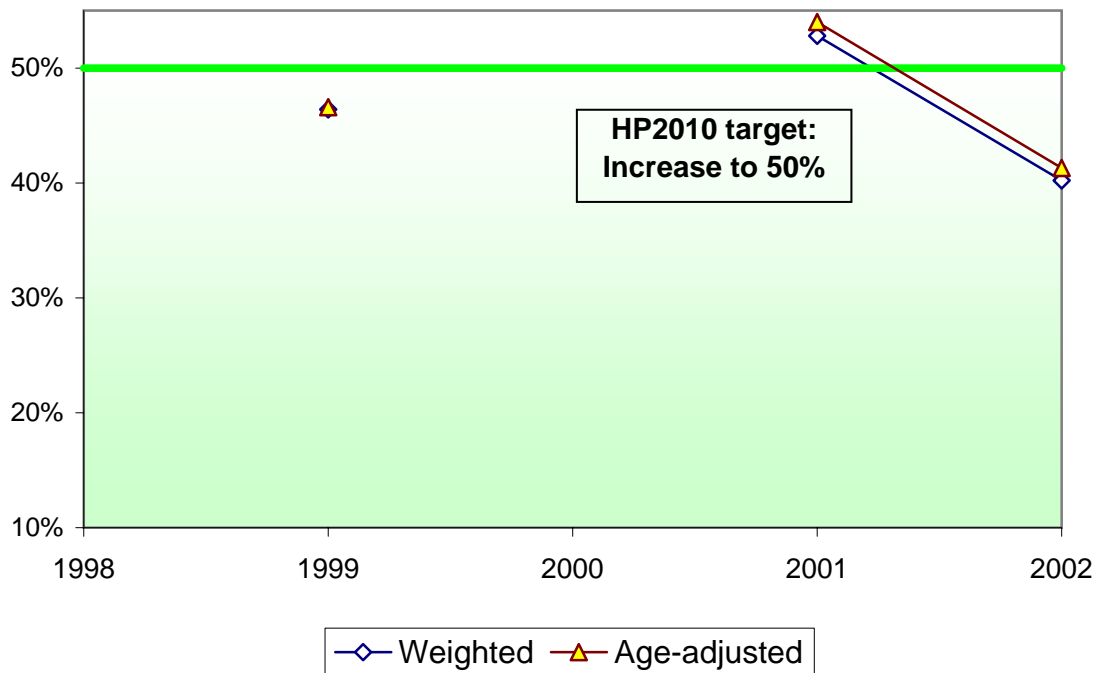
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		41.6		48.1	39.6
C.I (95%)		(35.5 - 48.0)		(43.9 - 52.4)	(36.4 - 42.8)
Age-adjusted percent		41.4		48.3	39.3
C.I (95%)		(35.3 - 47.8)		(44.1 - 52.5)	(36.2 - 42.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b /SUPPLEMENT 3

**Percent of White adults aged 50 +  
who had a sigmoidoscopy  
Hawaii, 1998-2002**



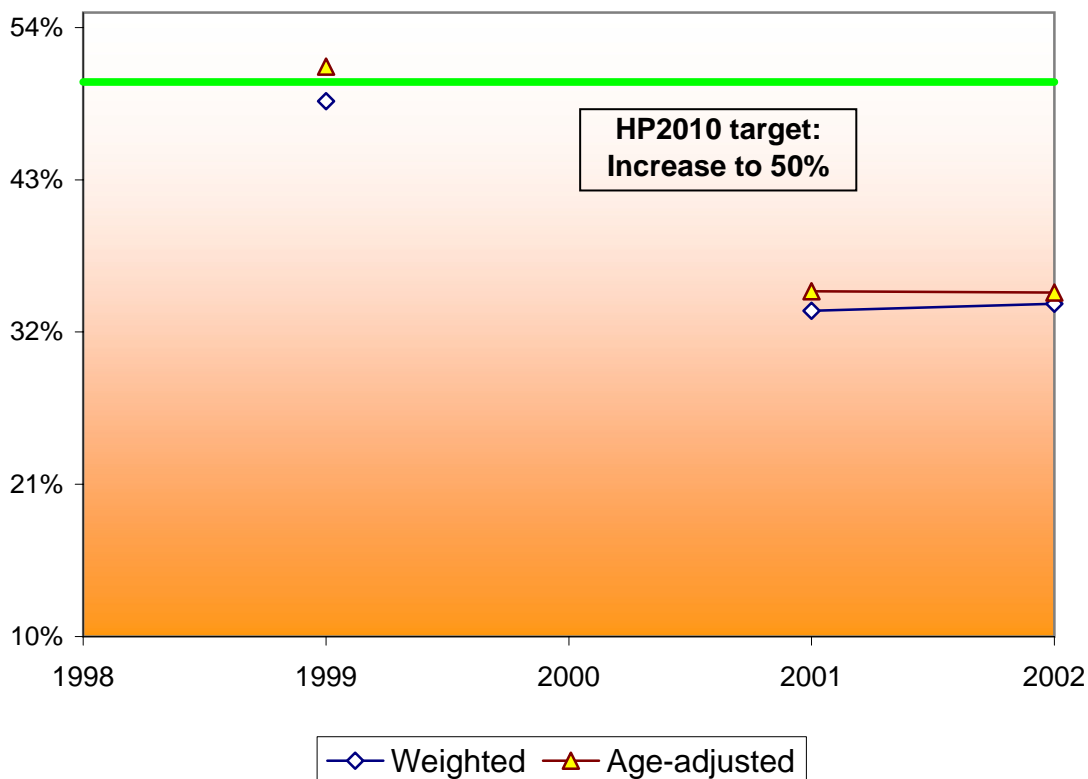
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		93		377	479
NOT HAD		124		415	659
TOTAL		217		792	1138

PERCENT	1998	1999	2000	2001	2002
Weighted percent		46.4		52.8	40.2
C.I (95%)		(37.4 - 55.6)		(48.1 - 57.5)	(36.4 - 44.0)
Age-adjusted percent		46.6		54.0	41.3
C.I (95%)		(38.2 - 55.2)		(49.2 - 58.7)	(37.5 - 45.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b /SUPPLEMENT 4

**Percent of Hawaiians aged 50 + who had a sigmoidoscopy  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		22		77	80
NOT HAD		31		111	210
TOTAL		53		188	290

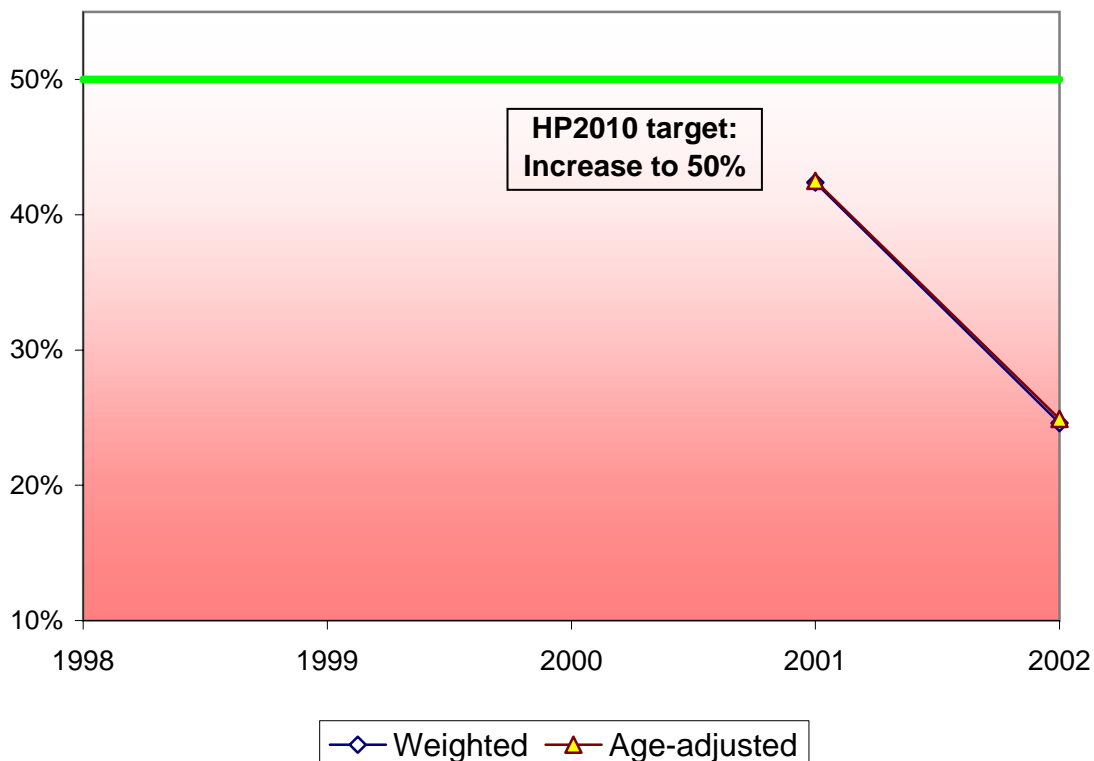
PERCENT	1998	1999	2000	2001	2002
Weighted percent		48.6		33.5	34.0
C.I (95%)		(29.5 - 68.1)		(25.3 - 42.9)	(26.4 - 42.5)
Age-adjusted percent		51.1		34.9	34.8
C.I (95%)		(33.4 - 68.5)		(26.7 - 44.2)	(27.5 - 42.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 3-12b /SUPPLEMENT 5

**Percent of Filipinos aged 50 + who had a sigmoidoscopy  
Hawaii, 1998-2002**



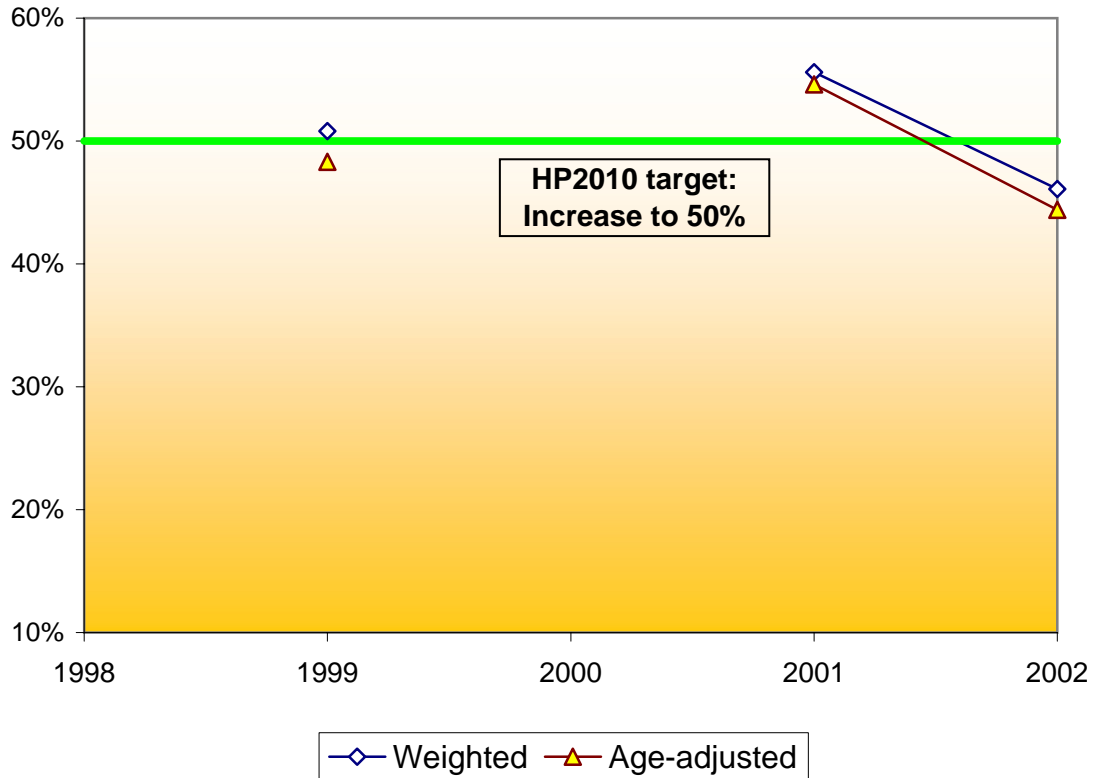
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD				70	77
NOT HAD				118	227
TOTAL				188	304

PERCENT	1998	1999	2000	2001	2002
Weighted percent				42.4	24.6
C.I (95%)				(31.5 - 54.2)	(18.8 - 31.4)
Age-adjusted percent				42.5	24.9
C.I (95%)				(31.9 - 53.9)	(18.1 - 31.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b /SUPPLEMENT 6

**Percent of Japanese aged 50 + who had a sigmoidoscopy  
Hawaii, 1998-2002**



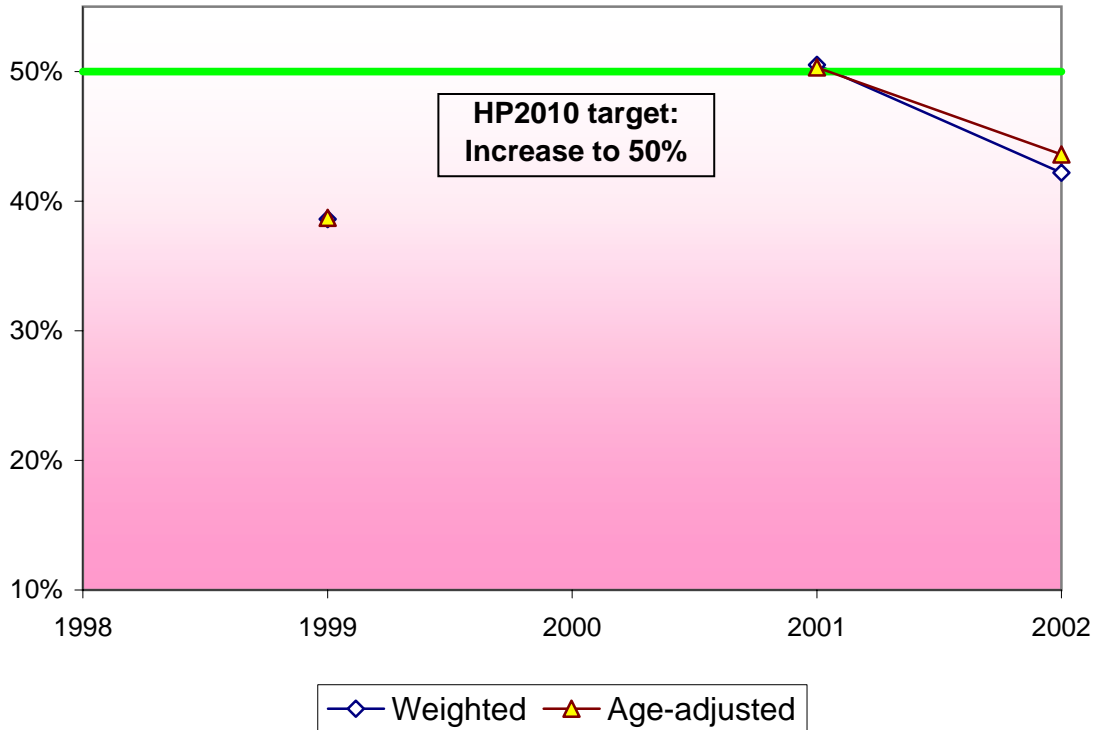
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		97		252	319
NOT HAD		102		206	366
TOTAL		199		458	685

PERCENT	1998	1999	2000	2001	2002
Weighted percent		50.8		55.6	46.1
C.I (95%)		(41.8 - 59.8)		(49.7 - 61.4)	(41.4 - 50.9)
Age-adjusted percent		48.3		54.6	44.4
C.I (95%)		(39.4 - 57.3)		(48.4 - 60.6)	(39.3 - 49.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b /SUPPLEMENT 7

**Percent of adults of other races aged 50 +  
who had a sigmoidoscopy  
Hawaii, 1998-2002**



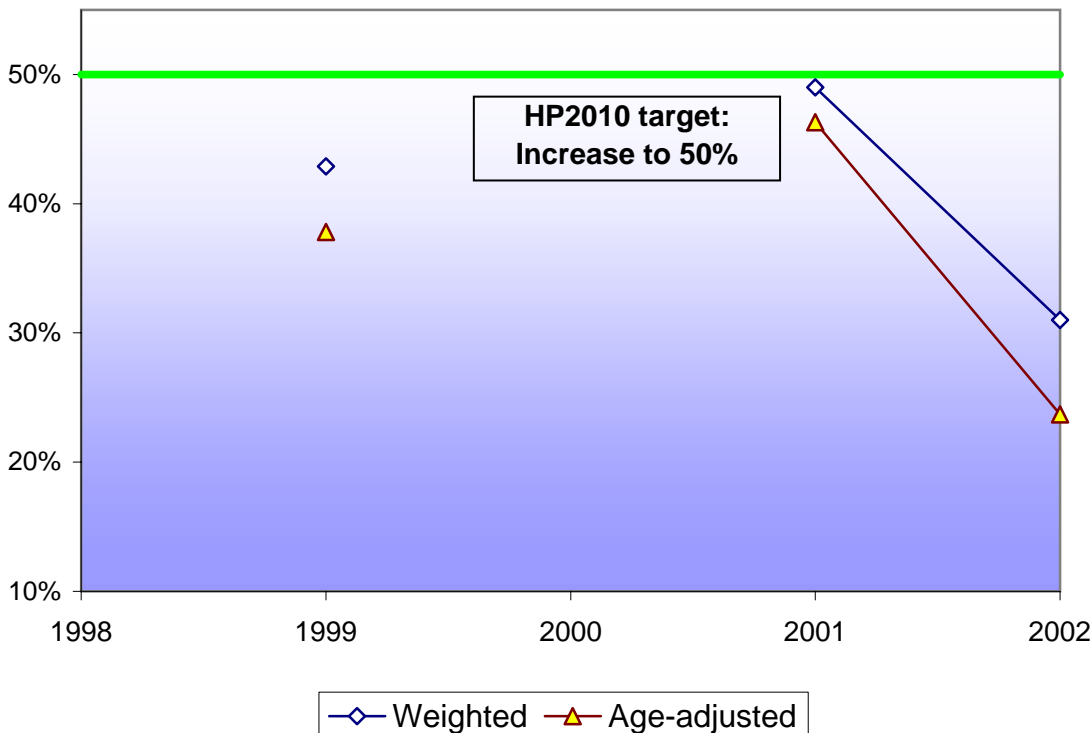
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		120		101	124
NOT HAD		215		109	180
TOTAL		335		210	304

PERCENT	1998	1999	2000	2001	2002
Weighted percent		38.6		50.5	42.2
C.I (95%)		(32.0 - 45.6)		(41.7 - 59.3)	(35.6 - 49.1)
Age-adjusted percent		38.7		50.3	43.6
C.I (95%)		(32.1 - 45.6)		(41.6 - 59.0)	(37.1 - 50.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-12b /SUPPLEMENT 8**

**Percent of adults aged 50 + with less education who had a sigmoidoscopy  
Hawaii, 1998-2002**



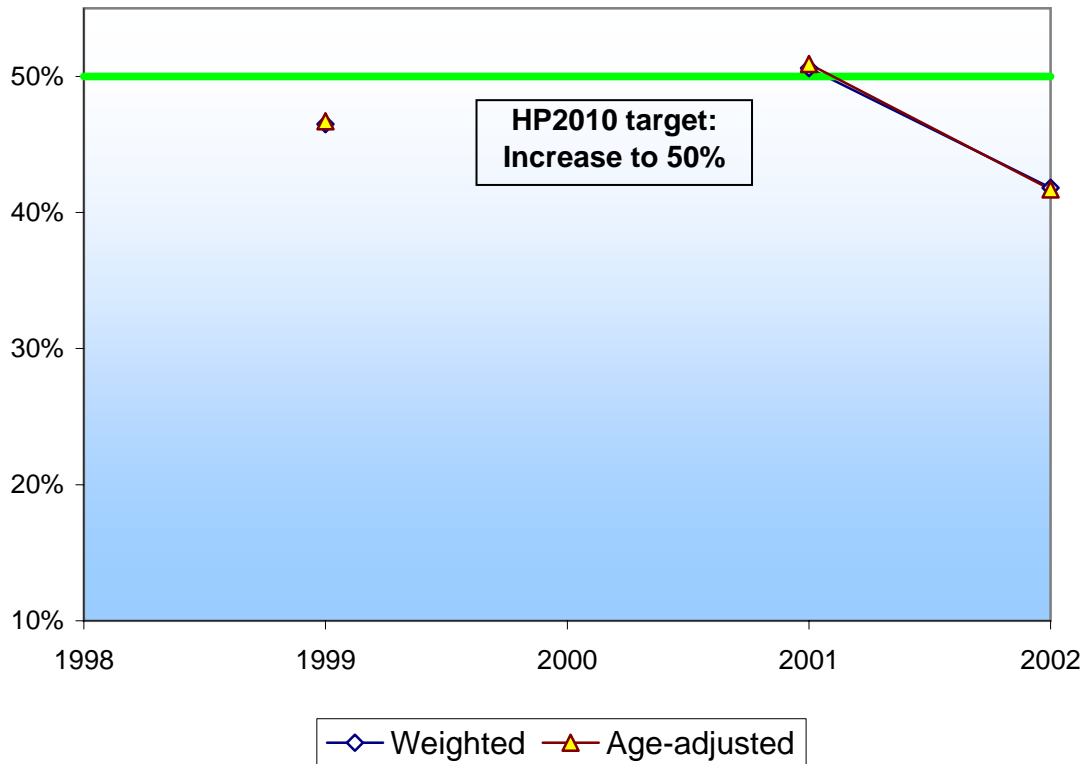
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		46		94	93
NOT HAD		72		113	192
TOTAL		118		207	285

PERCENT	1998	1999	2000	2001	2002
Weighted percent		42.9		49.0	31.0
C.I (95%)		(31.4 - 55.2)		(38.2 - 59.8)	(24.2 - 38.7)
Age-adjusted percent		37.8		46.3	23.7
C.I (95%)		(26.5 - 50.6)		(34.9 - 58.1)	(17.7 - 31.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b /SUPPLEMENT 9

Percent of adults aged 50 + who had a sigmoidoscopy  
Honolulu county, Hawaii, 1998-2002



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		161		378	517
NOT HAD		200		360	627
TOTAL		361		738	1144

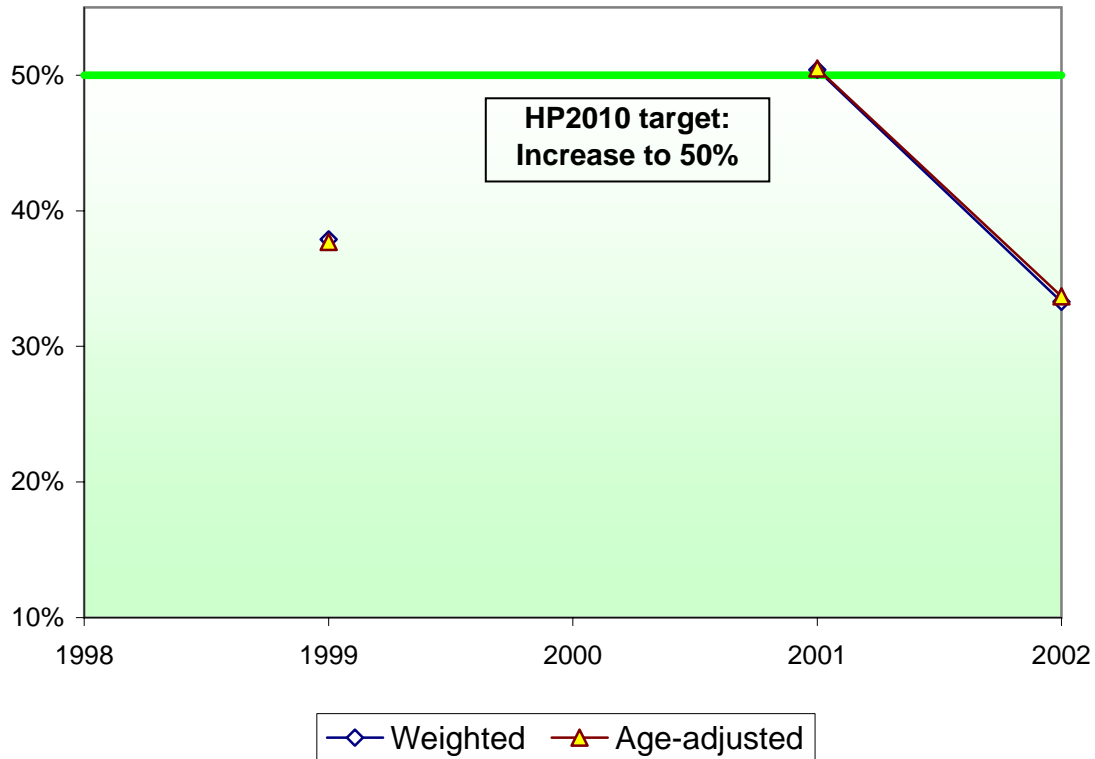
  

PERCENT	1998	1999	2000	2001	2002
Weighted per cent		46.5		50.6	41.8
C.I (95%)		(40.6 - 52.5)		(46.3 - 54.8)	(38.5 - 45.1)
Age-adjusted percent		46.7		50.9	41.7
C.I (95%)		(40.9 - 52.6)		(46.7 - 55.1)	(38.5 - 45.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b /SUPPLEMENT 10

**Percent of adults aged 50 + who had a sigmoidoscopy  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		94		217	277
NOT HAD		151		239	465
TOTAL		245		456	742

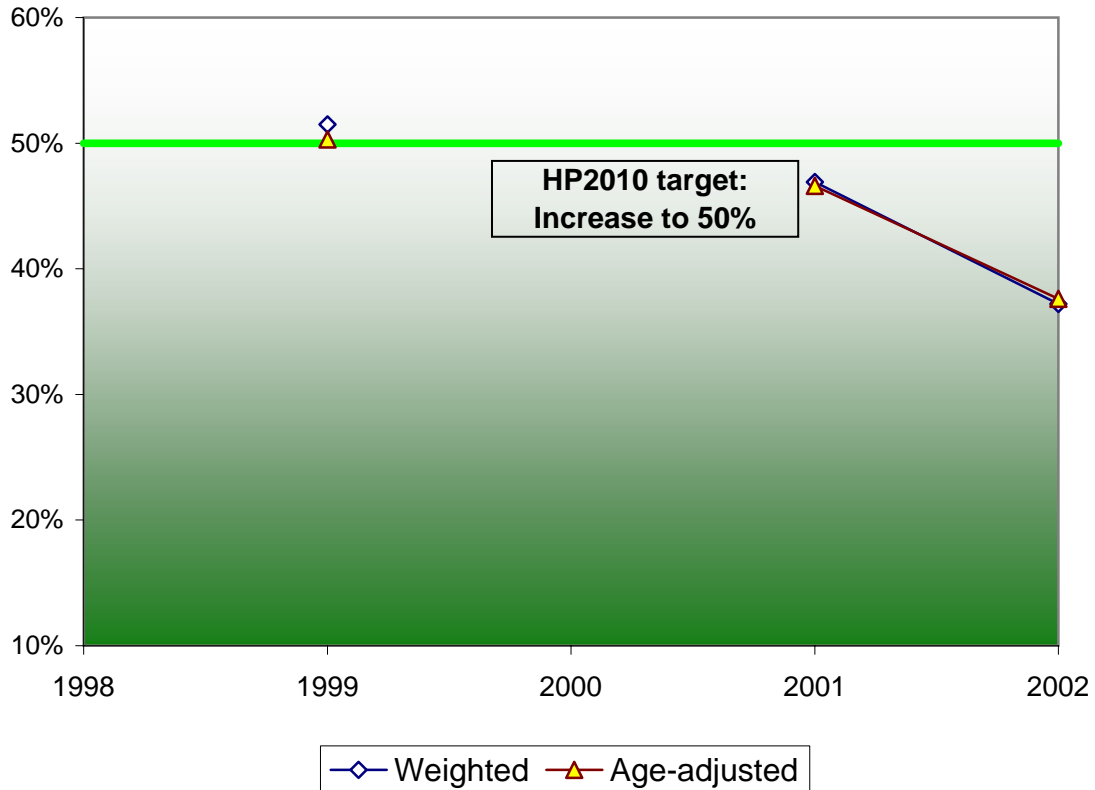
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		37.9		50.4	33.3
C.I (95%)		(31.4 - 44.9)		(45.3 - 55.5)	(29.7 - 37.1)
Age-adjusted percent		37.7		50.5	33.7
C.I (95%)		(31.3 - 44.5)		(45.4 - 55.5)	(30.0 - 37.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12b /SUPPLEMENT 11

**Percent of adults aged 50 + who had a sigmoidoscopy  
Kauai county, Hawaii, 1998-2002**



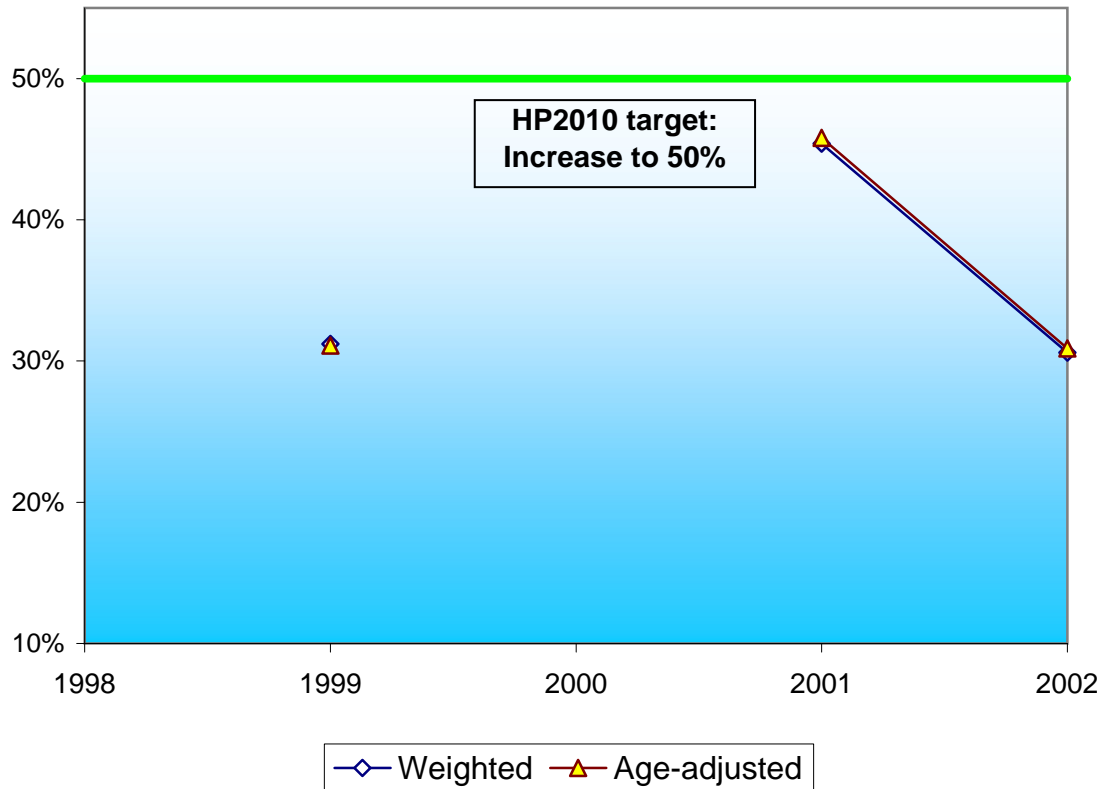
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		47		107	123
NOT HAD		47		131	183
TOTAL		94		238	306

PERCENT	1998	1999	2000	2001	2002
Weighted per cent		51.5		46.9	37.2
C.I (95%)		(39.9 - 62.9)		(38.7 - 55.3)	(31.2 - 43.7)
Age-adjusted percent		50.3		46.6	37.6
C.I (95%)		(39.4 - 61.2)		(38.8 - 54.7)	(31.5 - 44.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-12a /SUPPLEMENT 12

**Percent of adults aged 50 + who had a sigmoidoscopy  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		50		175	162
NOT HAD		102		229	367
TOTAL		152		404	529

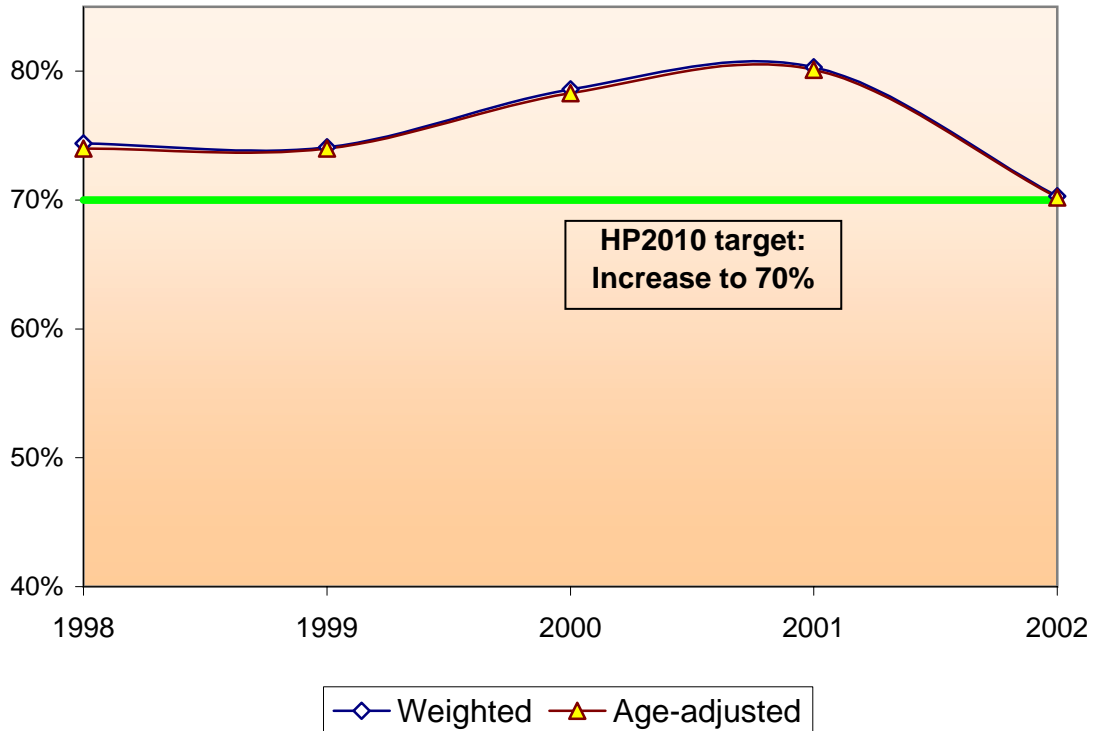
PERCENT	1998	1999	2000	2001	2002
Weighted percent		31.2		45.4	30.6
C.I (95%)		(23.4 - 40.1)		(39.6 - 51.4)	(26.2 - 35.4)
Age-adjusted percent		31.1		45.8	30.9
C.I (95%)		(23.4 - 40.0)		(40.2 - 51.6)	(26.4 - 35.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 3-13**

**Percent of women aged 40 +  
who had a mammogram in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	568	556	1712	1328	1637
NOT HAD	203	189	504	390	683
TOTAL	771	745	2216	1718	2320

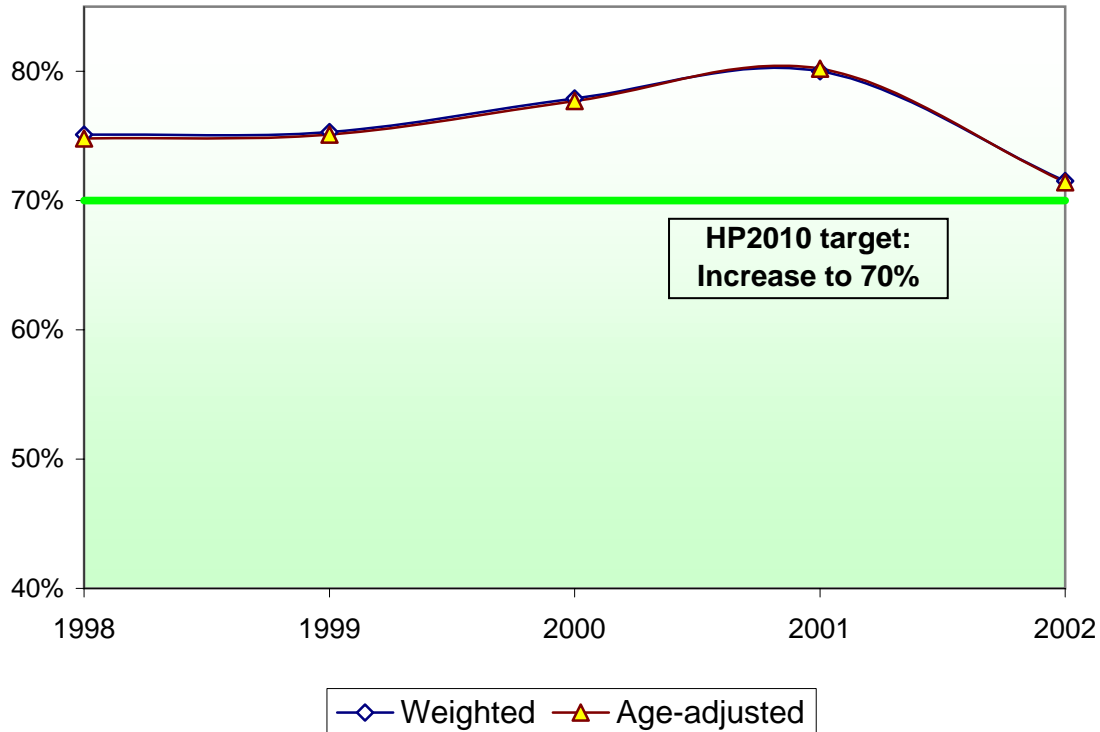
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	74.4	74.1	78.6	80.3	70.3
C.I (95%)	(69.9 - 78.5)	(69.7 - 78.1)	(76.3 - 80.8)	(76.3 - 80.8)	(67.8 - 72.7)
Age-adjusted percent	74.0	74.0	78.3	80.1	70.2
C.I (95%)	(69.5 - 78.0)	(69.6 - 77.9)	(76.0 - 80.5)	(77.4 - 82.5)	(67.6 - 72.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-13/Supplement 1

**Percent of White women aged 40 +  
who had a mammogram in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	235	144	645	540	677
NOT HAD	91	46	204	168	268
TOTAL	326	190	849	708	945

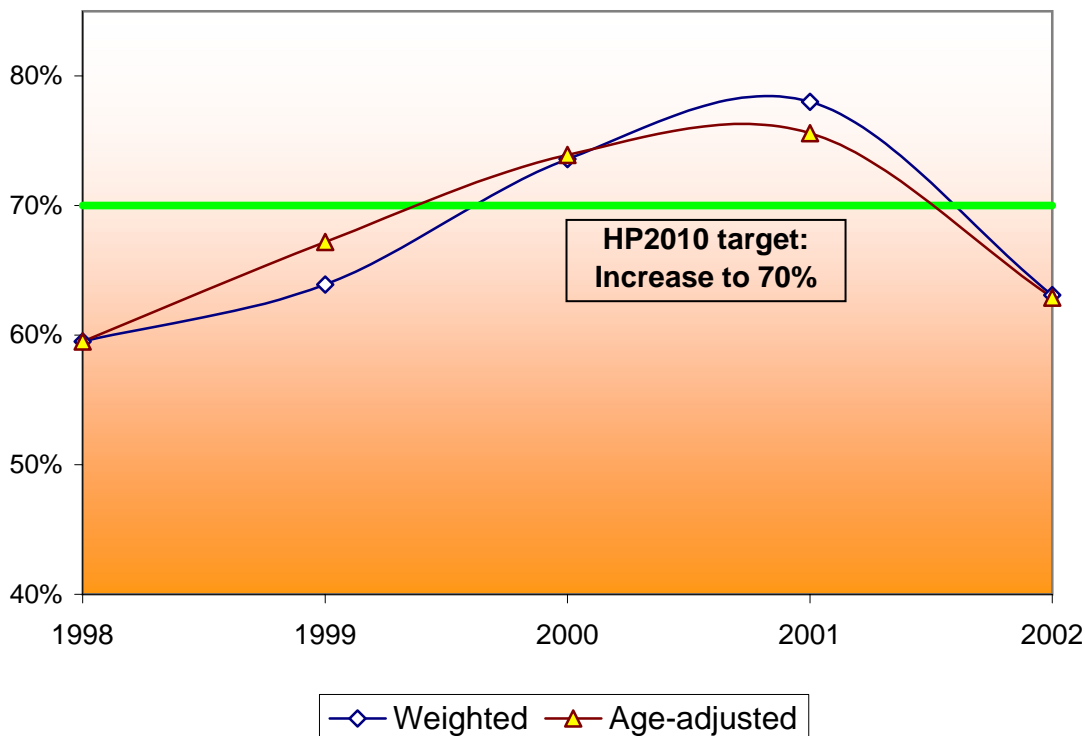
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	75.1	75.3	77.9	80.0	71.5
C.I (95%)	(67.7 - 81.2)	(66.9 - 82.1)	(74.0 - 81.3)	(79.5 - 83.5)	(67.2 - 75.4)
Age-adjusted percent	74.8	75.1	77.7	80.2	71.4
C.I (95%)	(67.6 - 80.8)	(67.1 - 81.8)	(73.8 - 81.1)	(76.2 - 83.6)	(67.0 - 75.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-13/Supplement 2

**Percent of Hawaiian women aged 40 +  
who had a mammogram in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	71	48	225	149	180
NOT HAD	37	20	84	52	102
TOTAL	108	68	309	201	282

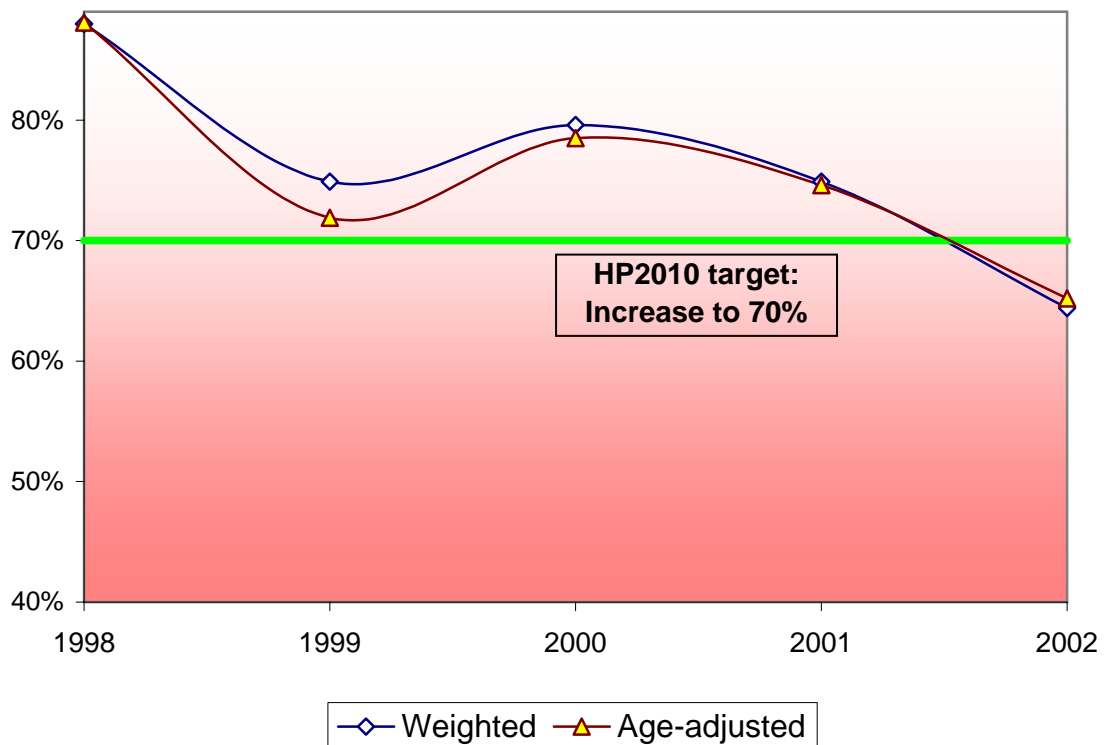
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	59.5	63.9	73.6	78.0	63.1
C.I (95%)	(49.6 - 72.0)	(45.9 - 78.7)	(66.6 - 79.6)	(69.7 - 84.6)	(55.2 - 70.3)
Age-adjusted percent	59.5	67.2	73.9	75.6	62.9
C.I (95%)	(45.5 - 72.1)	(50.5 - 80.5)	(66.9 - 79.9)	(66.9 - 82.7)	(55.1 - 70.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-13/Supplement 3**

**Percent of Filipino women aged 40 +  
who had a mammogram in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	48	38	174	146	175
NOT HAD	9	17	61	54	97
TOTAL	57	55	235	200	272

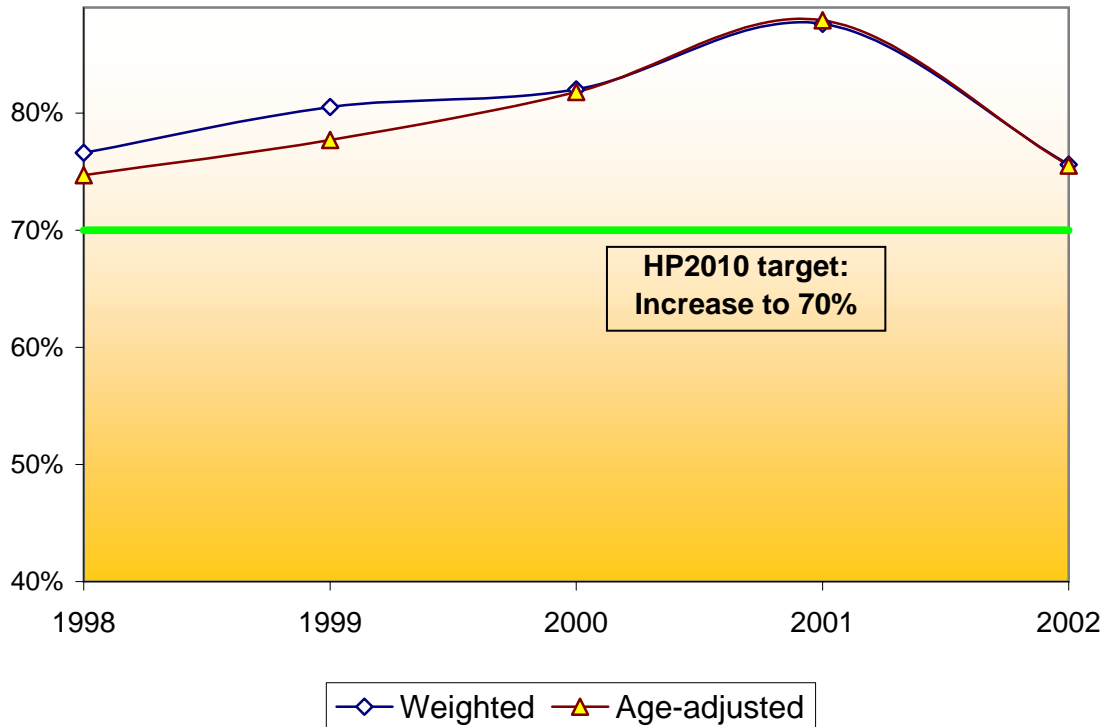
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	88.0	74.9	79.6	74.9	64.4
C.I (95%)	(74.9 - 94.7)	(58.7 - 86.3)	(71.9 - 85.7)	(64.6 - 83.0)	(56.5 - 71.6)
Age-adjusted percent	88.1	71.9	78.5	74.6	65.2
C.I (95%)	(75.9 - 94.6)	(54.4 - 84.5)	(71.2 - 84.3)	(64.5 - 82.6)	(57.4 - 72.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-13/Supplement 4

**Percent of Japanese women aged 40 +  
who had a mammogram in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	164	115	472	333	415
NOT HAD	46	23	95	64	132
TOTAL	210	138	567	397	547

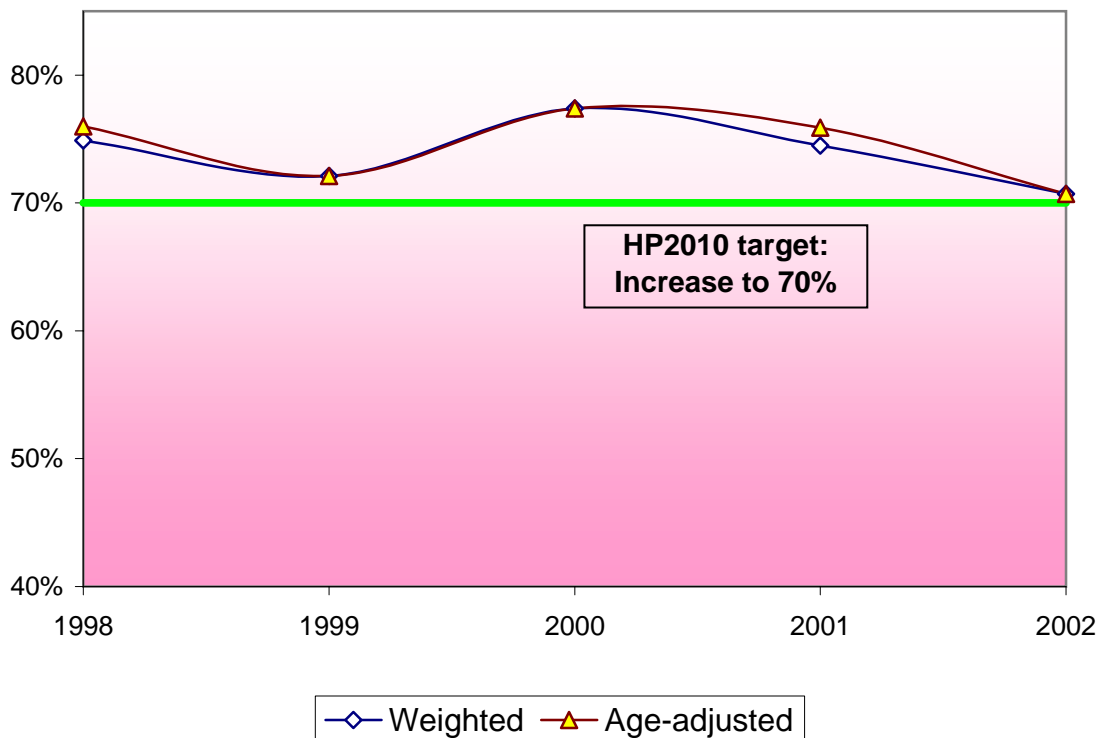
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	76.6	80.5	82.0	87.6	75.6
C.I (95%)	(68.4 - 83.2)	(70.0 - 87.9)	(77.7 - 85.6)	(83.5 - 90.8)	(70.9 - 79.7)
Age-adjusted percent	74.7	77.7	81.8	87.9	75.5
C.I (95%)	(66.1 - 81.7)	(63.6 - 86.0)	(77.3 - 85.6)	(83.7 - 91.2)	(70.4 - 80.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-13/Supplement 5**

**Percent of women of other races aged 40 +  
who had a mammogram in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	50	211	196	160	190
NOT HAD	20	83	60	52	84
TOTAL	70	294	256	212	274

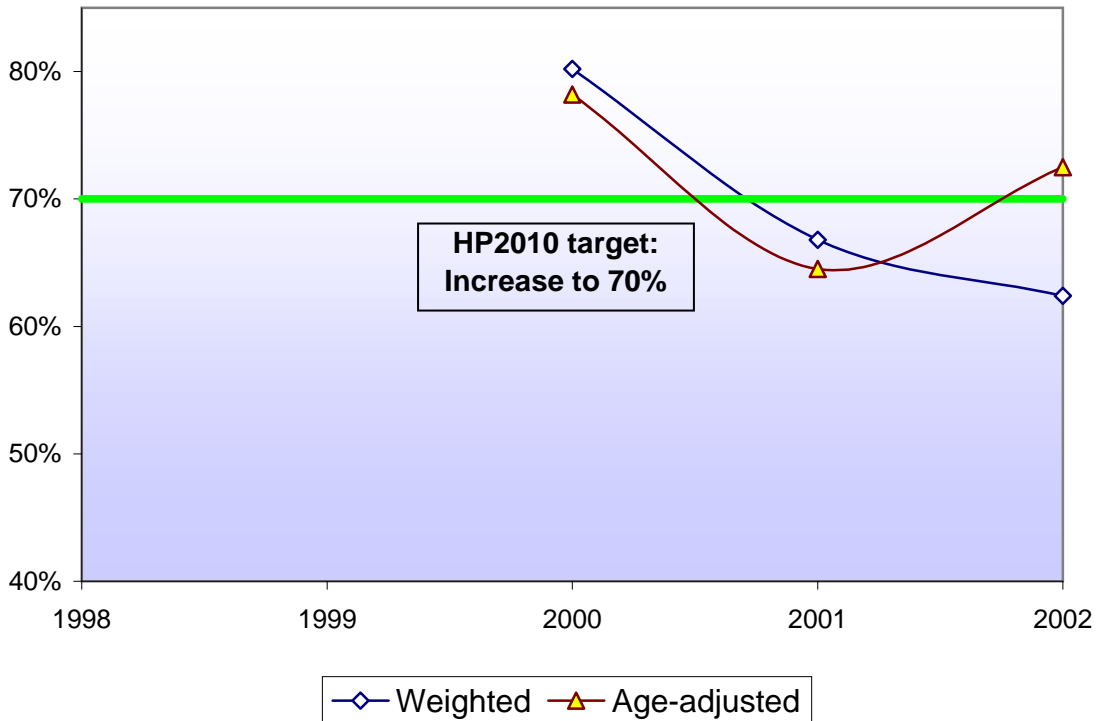
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	74.9	72.1	77.4	74.5	70.7
C.I (95%)	(61.0 - 85.1)	(64.9 - 78.2)	(70.2 - 83.2)	(66.4 - 81.2)	(63.8 - 76.7)
Age-adjusted percent	76.0	72.1	77.4	75.9	70.7
C.I (95%)	(62.7 - 85.6)	(65.0 - 78.2)	(70.7 - 82.9)	(68.2 - 82.1)	(64.0 - 76.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-13/Supplement 6**

**Percent of women aged 40 + in low income household who had a mammogram in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD			58	32	36
NOT HAD			27	20	23
TOTAL			85	52	59

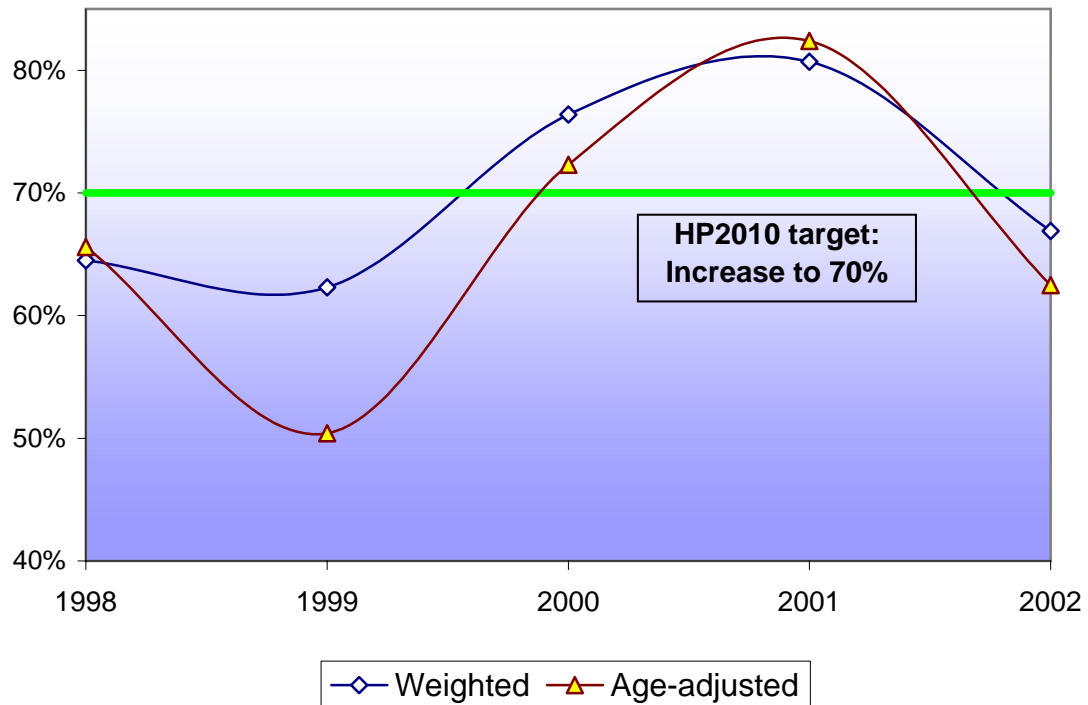
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent			80.2	66.8	62.4
C.I (95%)			(68.0 - 88.5)	(45.9 - 82.6)	(45.2 - 77.0)
Age-adjusted percent			78.2	64.5	72.5
C.I (95%)			(66.0 - 88.5)	(48.3 - 78.0)	(60.4 - 82.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-13/Supplement 7**

**Percent of women aged 40 +with less education who had a mammogram in past 2 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	60	58	163	116	139
NOT HAD	24	28	69	49	78
TOTAL	84	86	232	165	217

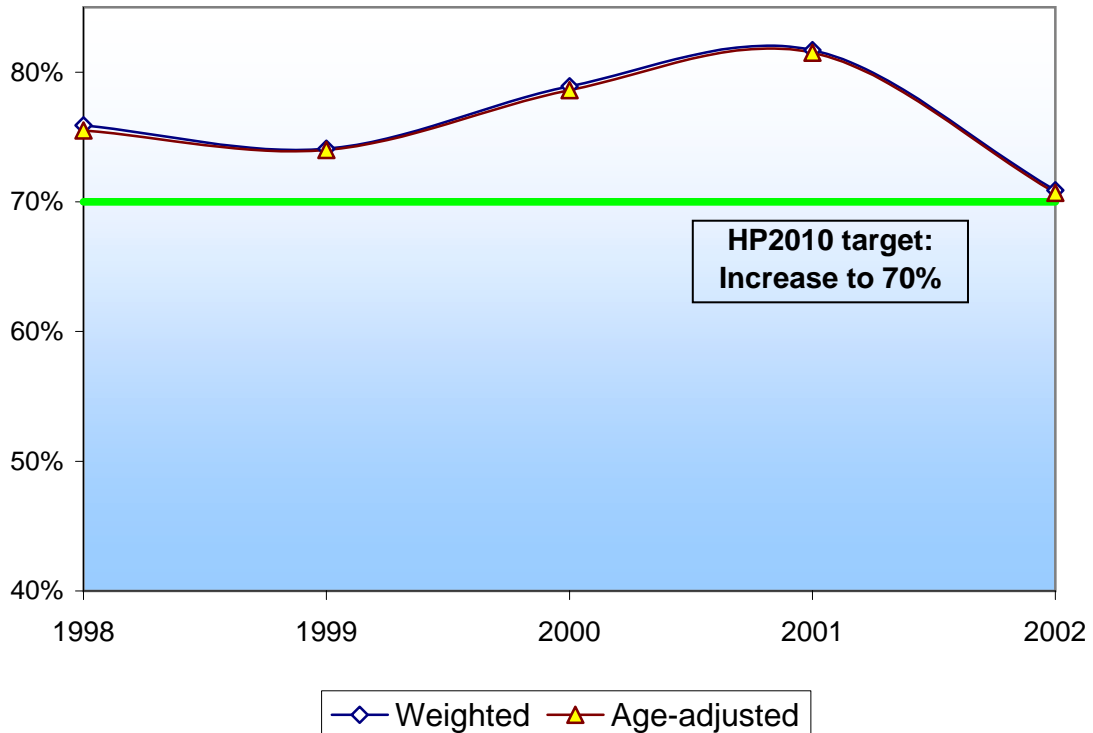
PERCENT	1998	1999	2000	2001	2002
Weighted percent	64.5	62.3	76.4	80.7	66.9
C.I (95%)	(45.4 - 79.8)	(48.1 - 74.7)	(68.5 - 82.7)	(72.5 - 86.9)	(57.6 - 75.0)
Age-adjusted percent	65.6	50.4	72.3	82.4	62.5
C.I (95%)	(48.5 - 79.5)	(39.4 - 61.4)	(61.8 - 80.8)	(73.2 - 88.9)	(50.9 - 72.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 3-13/Supplement 8**

**Percent of women aged 40 +  
who had a mammogram in past 2 years  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	262	228	760	548	748
NOT HAD	73	83	219	134	287
TOTAL	335	311	979	682	1035

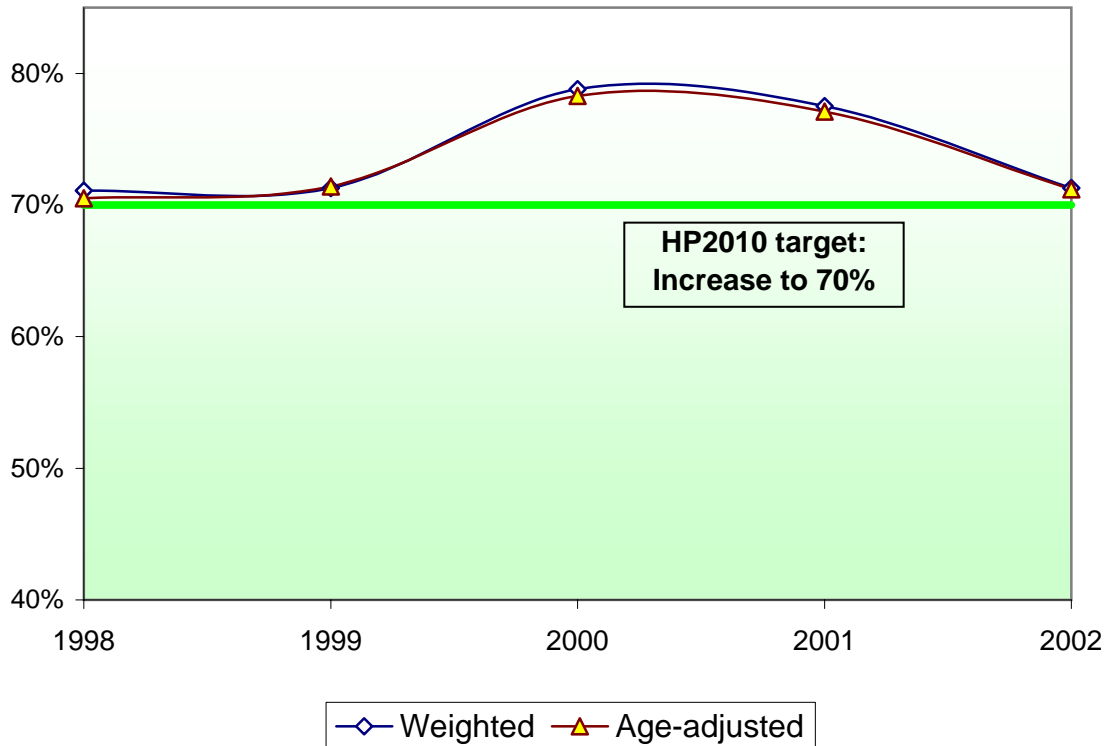
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	75.9	74.1	78.9	81.7	70.9
C.I (95%)	(69.8 - 81.0)	(68.3 - 79.2)	(75.9 - 81.7)	(78.1 - 84.7)	(67.5 - 74.1)
Age-adjusted percent	75.5	74.0	78.6	81.5	70.7
C.I (95%)	(69.4 - 80.6)	(68.2 - 79.0)	(75.5 - 81.3)	(78.0 - 84.5)	(67.3 - 73.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-13/Supplement 9**

**Percent of women aged 40 +  
who had a mammogram in past 2 years  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	146	146	465	316	425
NOT HAD	56	58	135	93	170
TOTAL	202	204	600	409	595

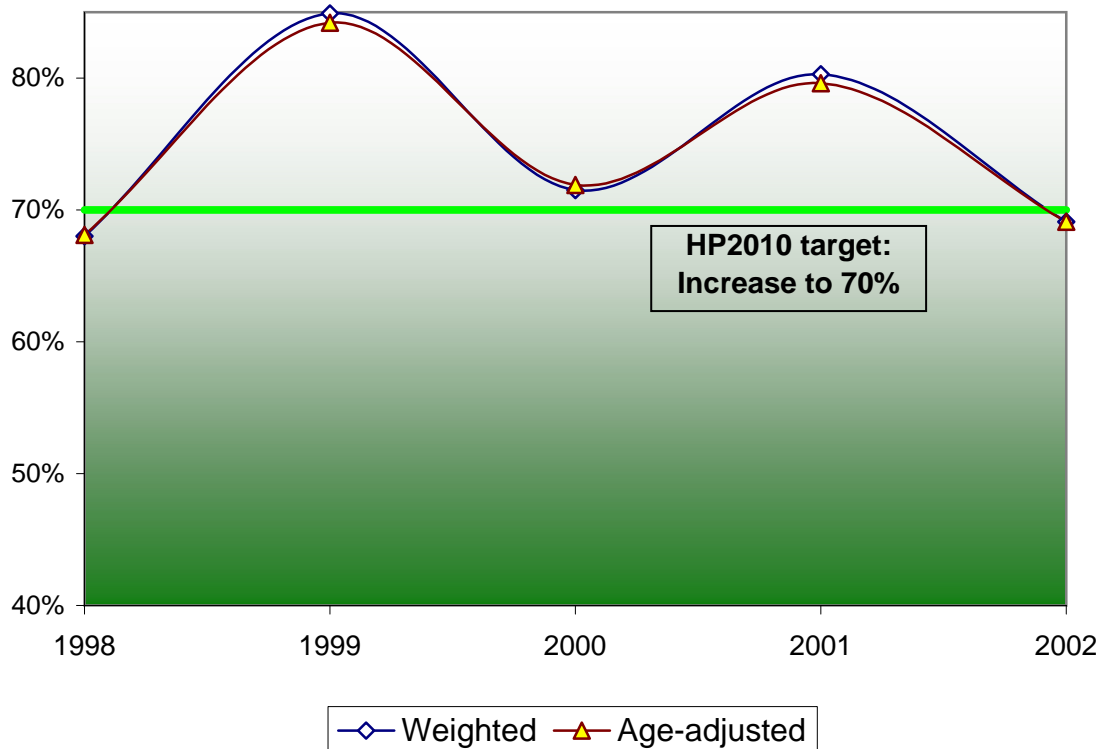
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	71.1	71.3	78.8	77.5	71.3
C.I (95%)	(63.6 - 77.6)	(63.6 - 77.9)	(74.8 - 82.2)	(72.7 - 81.7)	(67.0 - 72.5)
Age-adjusted percent	70.5	71.4	78.3	77.1	71.2
C.I (95%)	(63.1 - 77.0)	(63.9 - 77.9)	(74.3 - 81.8)	(72.3 - 81.2)	(67.0 - 75.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 3-13/Supplement 10**

**Percent of women aged 40+  
who had a mammogram in past 2 years  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	60	67	166	174	185
NOT HAD	30	10	62	52	74
TOTAL	90	77	228	226	259

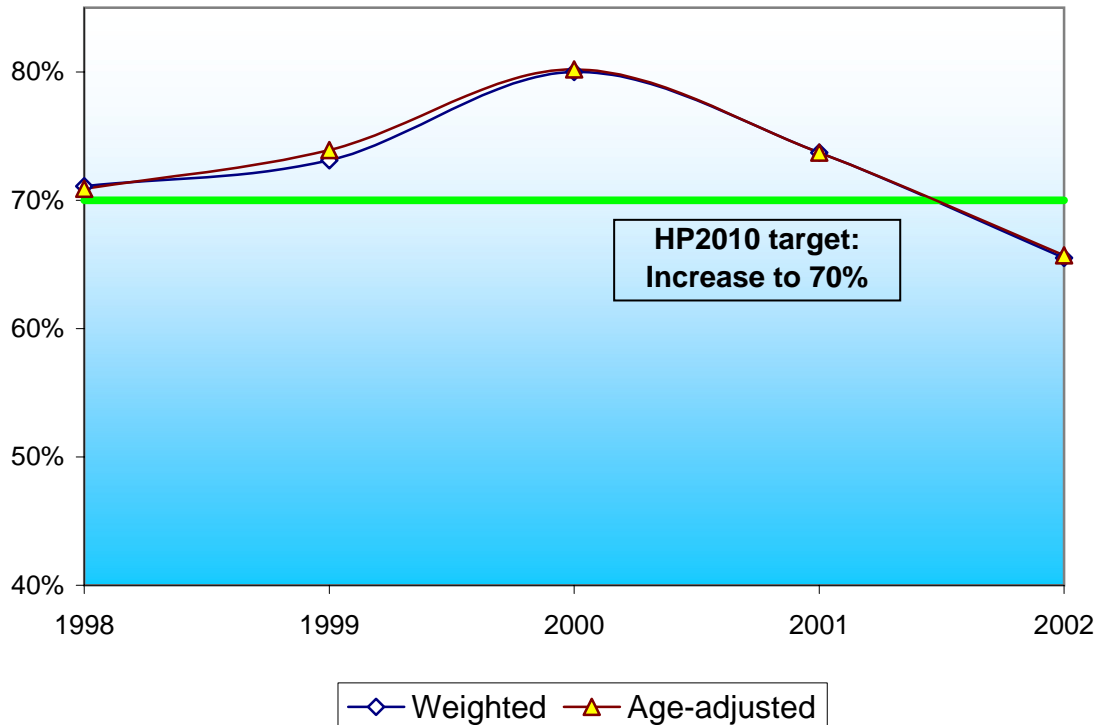
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	68.0	84.9	71.5	80.3	69.1
<b>C.I (95%)</b>	(56.8 - 77.4)	(71.5 - 92.6)	(62.4 - 77.8)	(74.2 - 85.2)	(62.1 - 75.3)
<b>Age-adjusted percent</b>	68.1	84.2	71.9	79.6	69.1
<b>C.I (95%)</b>	(56.8 - 77.6)	(70.4 - 92.3)	(64.9 - 77.9)	(73.8 - 84.4)	(62.3 - 75.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 3-13/Supplement 11

**Percent of women aged 40 +  
who had a mammogram in past 2 years  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	100	115	321	290	279
NOT HAD	44	38	88	111	152
TOTAL	144	153	409	401	431

PERCENT	1998	1999	2000	2001	2002
Weighted percent	71.1	73.1	80.0	73.7	65.5
C.I (95%)	(61.4 - 79.1)	(63.8 - 80.7)	(75.1 - 84.2)	(68.4 - 78.3)	(59.8 - 70.7)
Age-adjusted percent	70.9	73.9	80.2	73.7	65.7
C.I (95%)	(62.1 - 79.0)	(65.4 - 80.9)	(75.4 - 84.3)	(68.5 - 78.3)	(60.2 - 70.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

# DIABETES

## **Objective 5-1**

*Increase the proportion of persons with diabetes who receive formal diabetes education to **60%***

## **Objective 5-3**

*Reduce the overall rate of diabetes that is clinically diagnosed to **2.5%***

## **Objective 5-12**

*Increase the proportion of adults with diabetes who have a glycosylated hemoglobin measurement at least once a year to **50%***

## **Objective 5-13**

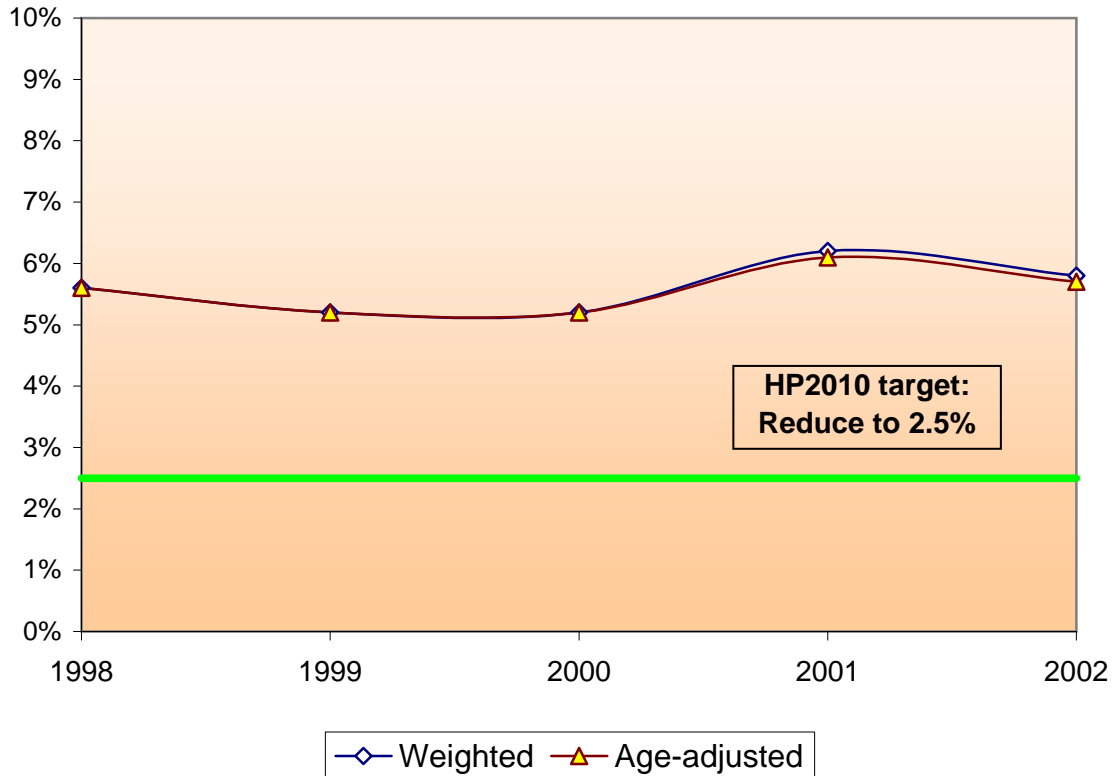
*Increase the proportion of adults (aged 18+) with diabetes who have an annual dilated eye examination to **75%***

## **Objective 5-14**

*Increase the proportion of adults with diabetes who have at least an annual foot examination to **75%***

## **OBJECTIVE 5-3**

**Percent of adults who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	113	103	339	262	376
DO NOT HAVE	2040	2047	5672	4238	5600
TOTAL	2153	2150	6011	4500	5976

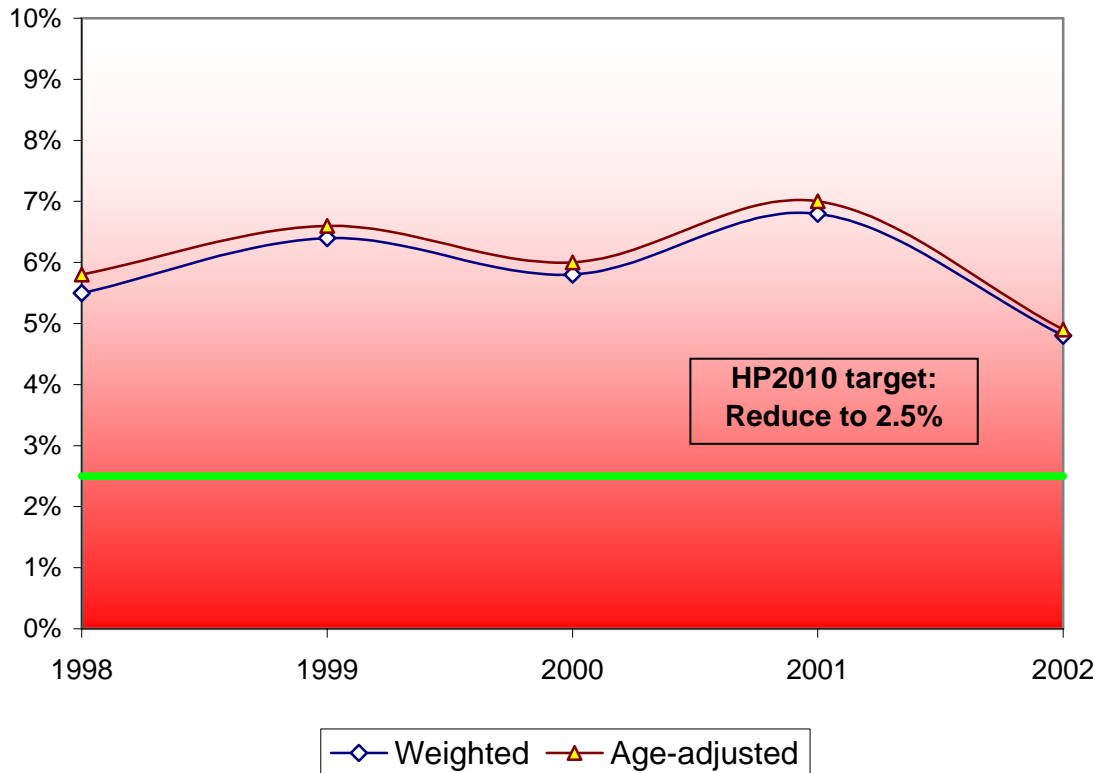
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	5.6	5.2	5.2	6.2	5.8
CI (95%)	(4.3 - 7.1)	(4.1 - 6.5)	(4.6 - 6.0)	(5.1 - 7.4)	(5.1 - 6.6)
Age-adjusted percent	5.6	5.2	5.2	6.1	5.7
CI (95%)	(4.4 - 7.2)	(4.1 - 6.5)	(4.5 - 5.9)	(5.0 - 7.3)	(5.0 - 6.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-3/ SUPPLEMENT 1

**Percent of men who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	52	54	173	119	154
DO NOT HAVE	881	937	2504	1818	2429
TOTAL	933	991	2677	1937	2583

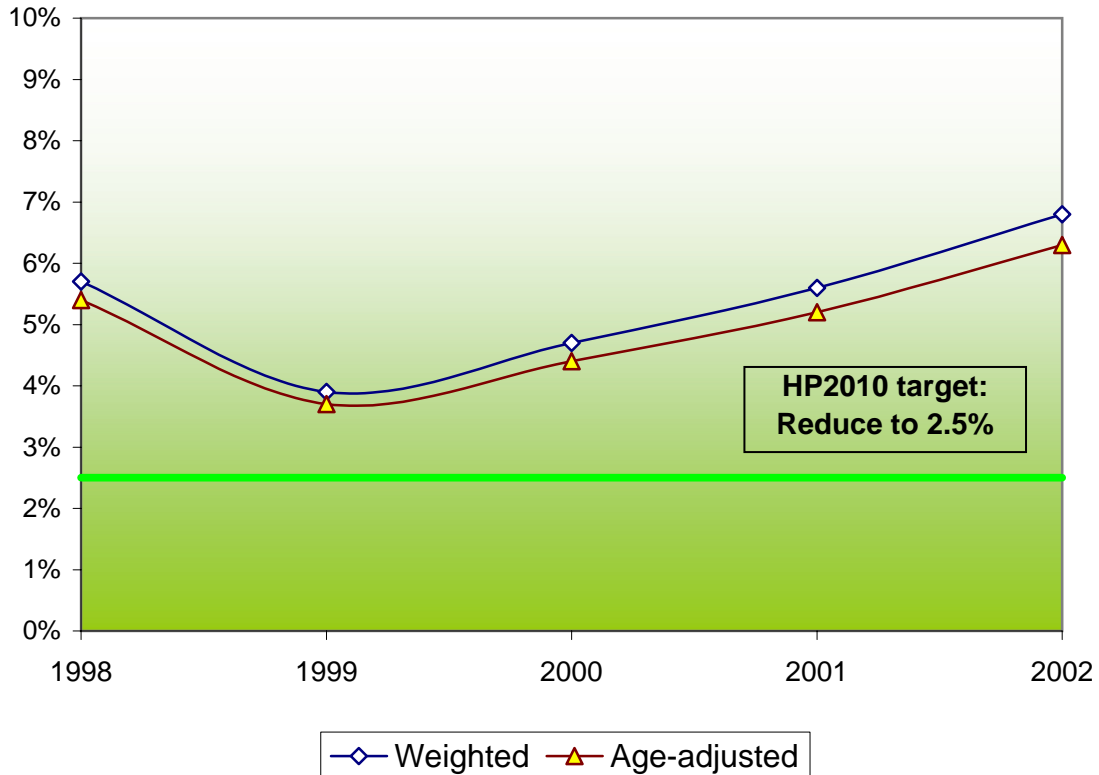
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	5.5	6.4	5.8	6.8	4.8
CI (95%)	(3.8 - 7.8)	(4.6 - 8.7)	(4.8 - 7.0)	(5.2 - 8.9)	(3.9 - 5.8)
Age-adjusted percent	5.8	6.6	6.0	7.0	4.9
CI (95%)	(4.1 - 8.3)	(4.8 - 9.0)	(5.0 - 7.2)	(5.3 - 9.1)	(4.0 - 5.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-3/ SUPPLEMENT 2

**Percent of women who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	61	49	166	143	222
DO NOT HAVE	1159	1110	3168	2420	3171
TOTAL	1220	1159	3334	2563	3393

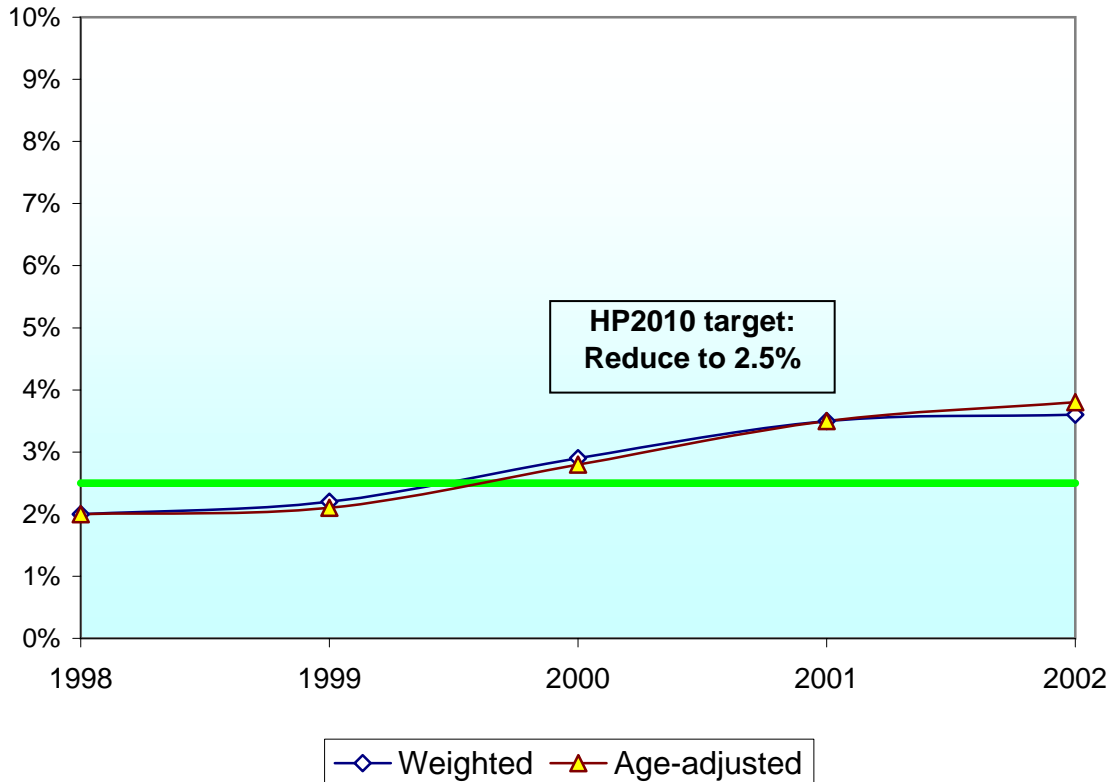
PERCENT	1998	1999	2000	2001	2002
Weighted percent	5.7	3.9	4.7	5.6	6.8
CI (95%)	(4.0 - 8.0)	(2.8 - 5.5)	(3.8 - 5.7)	(4.5 - 6.9)	(5.7 - 8.0)
Age-adjusted percent	5.4	3.7	4.4	5.2	6.3
CI (95%)	(3.9 - 7.5)	(2.6 - 5.1)	(3.6 - 5.3)	(5.2 - 6.4)	(5.4 - 7.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 5-3/ SUPPLEMENT 3**

**Percent of White adults who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	22	12	75	60	94
DO NOT HAVE	825	484	2184	1797	2378
TOTAL	847	496	2259	1857	2472

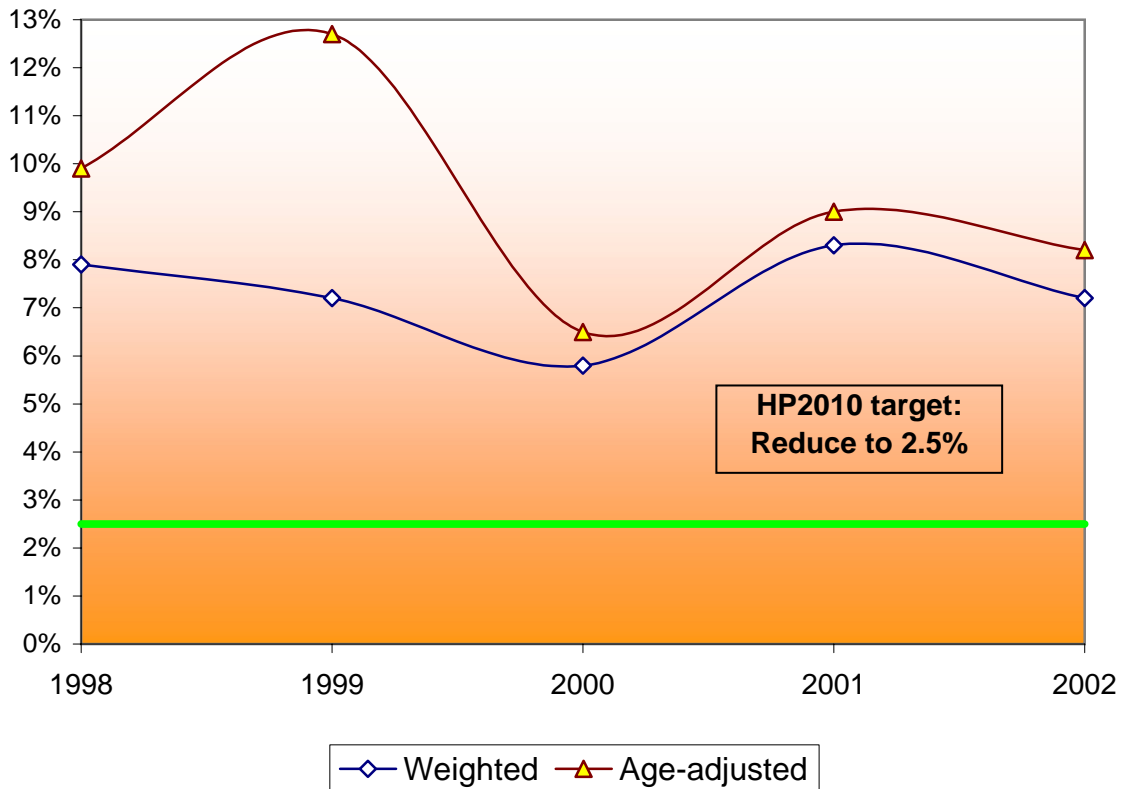
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	2.0	2.2	2.9	3.5	3.6
CI (95%)	(1.1 - 3.6)	(1.1 - 4.2)	(2.2 - 3.8)	(2.5 - 4.8)	(2.6 - 4.9)
Age-adjusted percent	2.0	2.1	2.8	3.5	3.8
CI (95%)	(1.1 - 3.5)	(1.1 - 4.0)	(2.1 - 3.6)	(2.6 - 4.8)	(2.8 - 5.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-3/ SUPPLEMENT 4

**Percent of Hawaiians who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	23	15	63	44	70
DO NOT HAVE	282	205	870	541	695
TOTAL	305	220	933	585	765

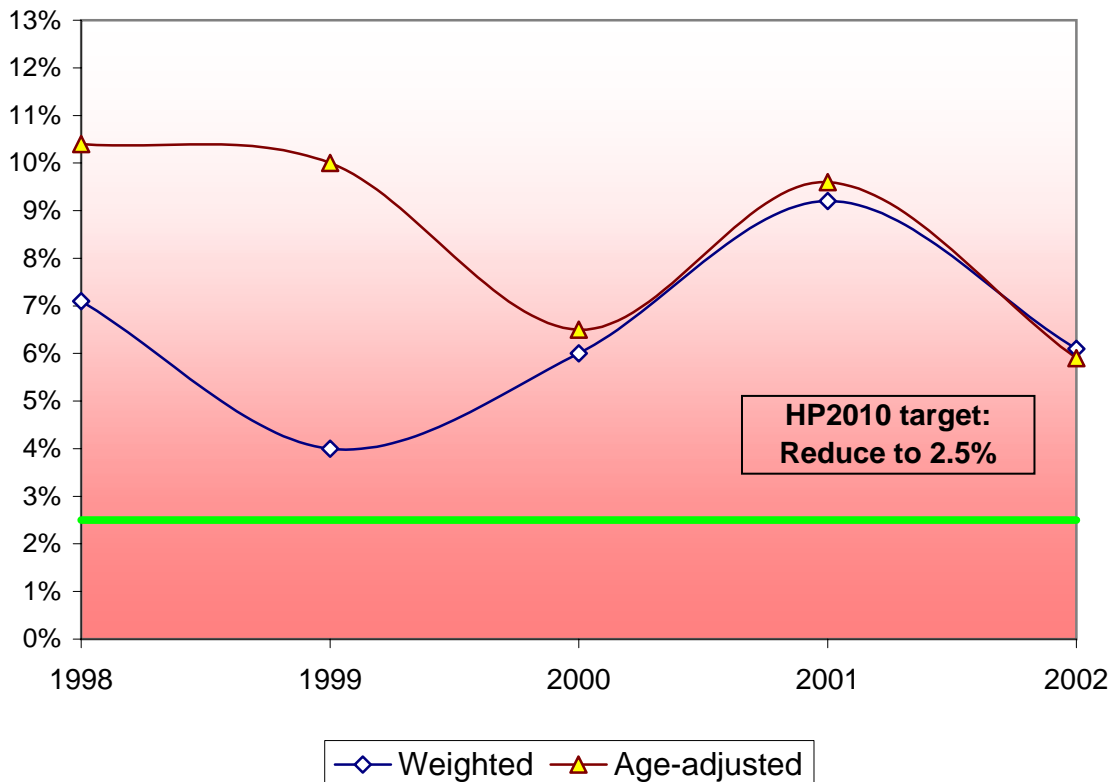
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	7.9	7.2	5.8	8.3	7.2
CI (95%)	(4.4 - 13.7)	3.9 - 13.1)	(4.1 - 8.0)	(5.6 - 12.1)	(5.4 - 9.7)
Age-adjusted percent	9.9	12.7	6.5	9.0	8.2
CI (95%)	(5.9 - 16.1)	(7.8 - 20.0)	(4.7 - 9.0)	(6.2 - 12.9)	(6.1 - 11.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-3/ SUPPLEMENT 5

**Percent of Filipinos who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	13	7	53	52	51
DO NOT HAVE	219	161	686	496	722
TOTAL	232	168	739	548	773

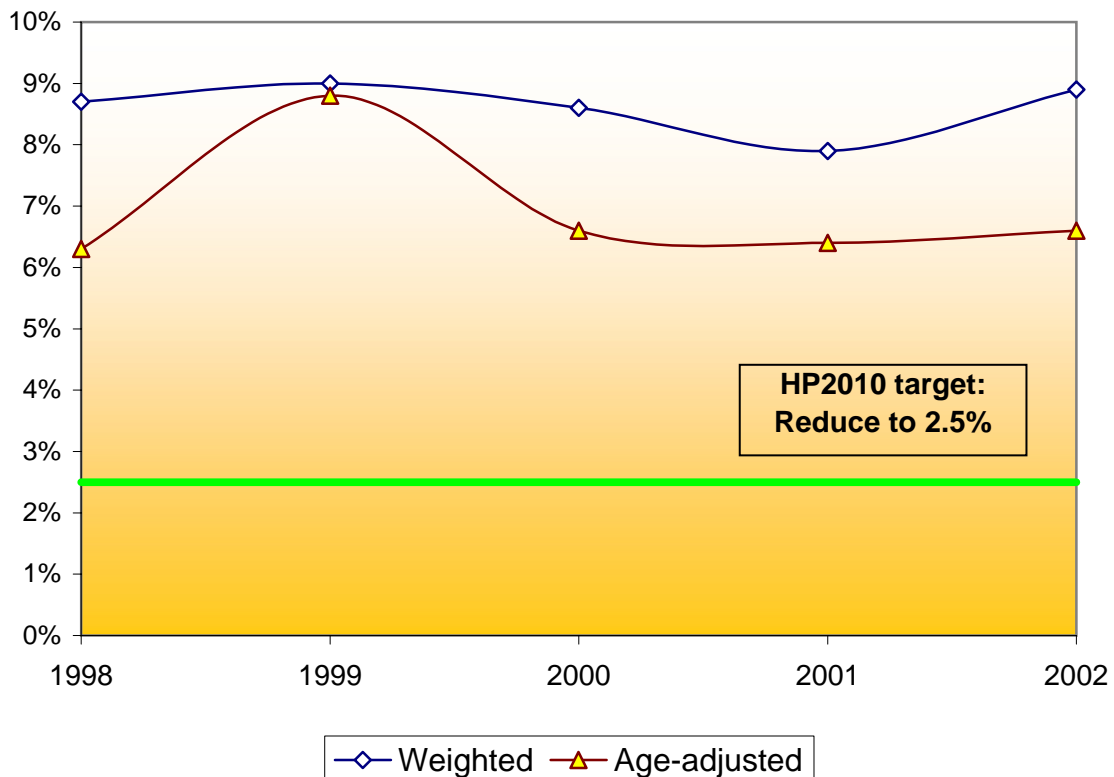
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	7.1	4.0	6.0	9.2	6.1
CI (95%)	(3.6 - 13.5)	(1.6 - 9.6)	(4.1 - 8.6)	(5.4 - 15.2)	(4.3 - 8.6)
Age-adjusted percent	10.4	10.0	6.5	9.6	5.9
CI (95%)	(5.9 - 17.9)	(5.2 - 18.3)	(4.7 - 9.0)	(6.0 - 15.1)	(4.2 - 8.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-3/ SUPPLEMENT 6

**Percent of Japanese who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	40	33	114	77	106
DO NOT HAVE	435	313	1151	794	1059
TOTAL	475	346	1265	871	1165

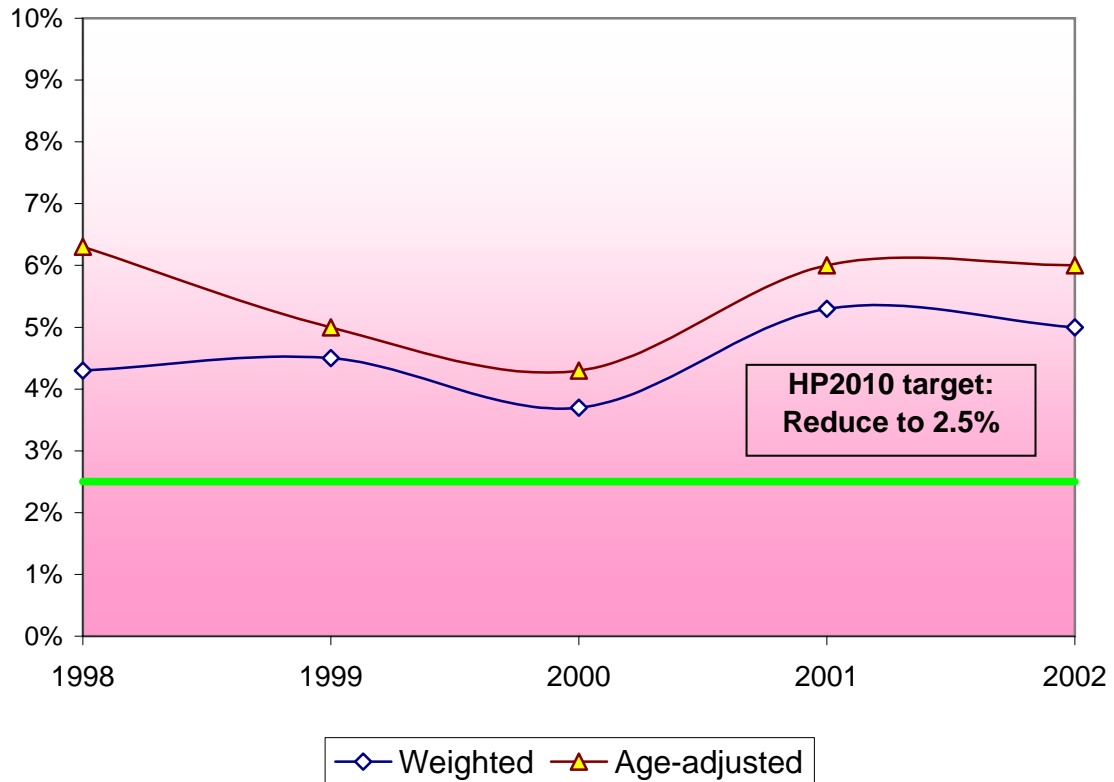
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	8.7	9.0	8.6	7.9	8.9
CI (95%)	(5.8 - 12.8)	(5.8 - 13.9)	(6.9 - 10.7)	(5.9 - 10.6)	(7.1 - 11.1)
Age-adjusted percent	6.3	8.8	6.6	6.4	6.6
CI (95%)	(3.3 - 11.7)	(4.8 - 15.5)	(5.3 - 8.3)	(4.7 - 8.7)	(5.3 - 8.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-3/ SUPPLEMENT 7

**Percent of adults of other races who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	15	36	34	29	55
DO NOT HAVE	279	884	781	610	746
TOTAL	294	920	815	639	801

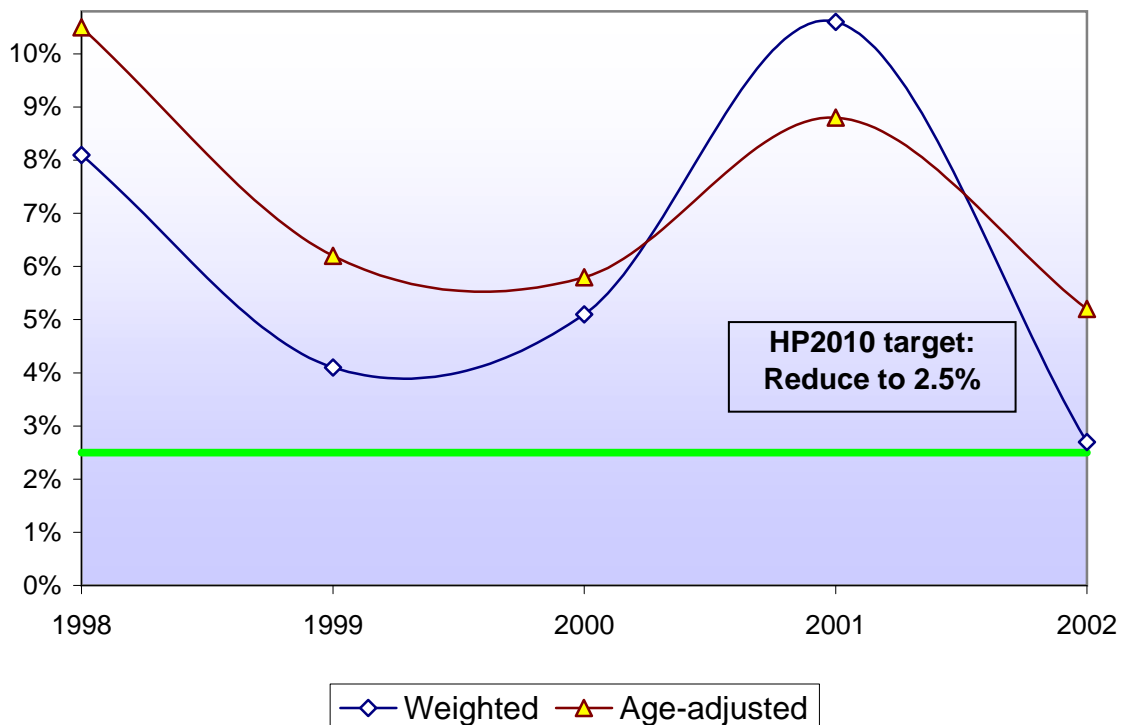
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	4.3	4.5	3.7	5.3	5.0
CI (95%)	(2.2 - 8.2)	(3.1 - 6.6)	(2.5 - 5.6)	(3.3 - 8.5)	(3.7 - 6.9)
Age-adjusted percent	6.3	5.0	4.3	6.0	6.0
CI (95%)	(3.3 - 11.7)	(3.4 - 7.2)	(2.9 - 6.4)	(3.8 - 9.2)	(4.4 - 8.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 5-3/ SUPPLEMENT 8**

**Percent of adults in low income household  
who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	10	5	15	13	10
DO NOT HAVE	135	95	298	180	197
TOTAL	145	100	313	193	207

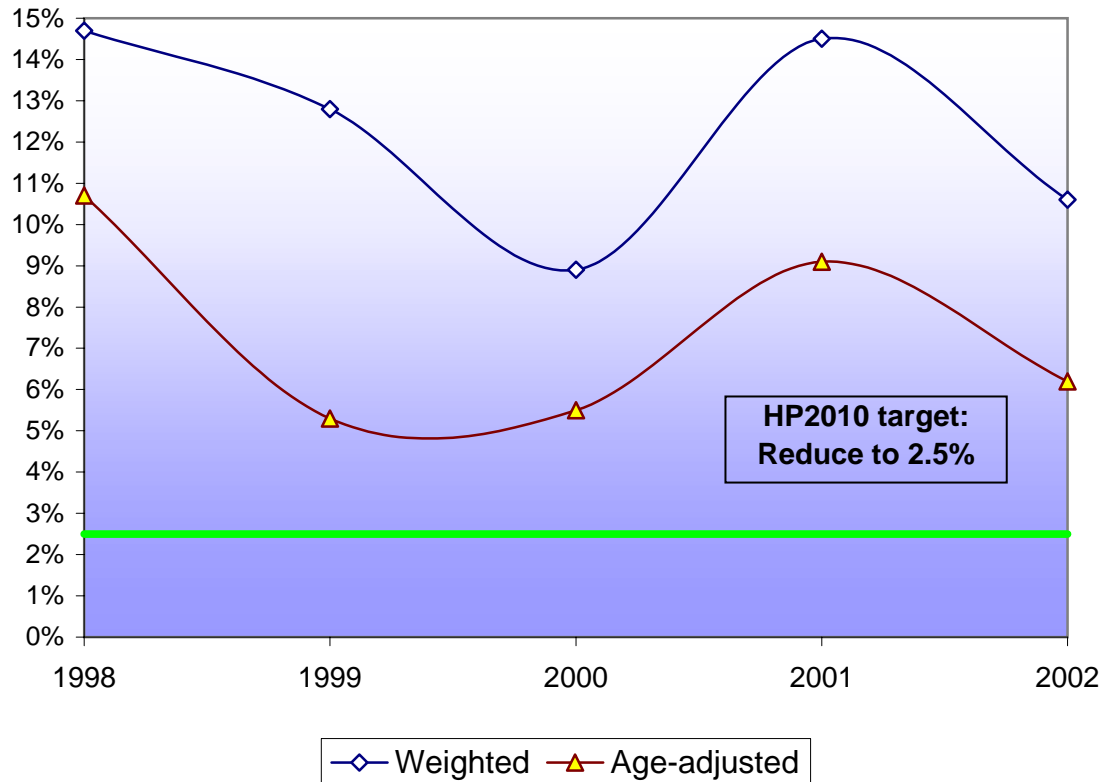
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	8.1	4.1	5.1	10.6	2.7
CI (95%)	(3.4 - 18.1)	(1.4 - 11.3)	(2.6 - 9.7)	(4.0 - 25.0)	(1.2 - 5.8)
Age-adjusted percent	10.5	6.2	5.8	8.8	5.2
CI (95%)	(4.3 - 23.2)	(1.9 - 18.7)	(2.9 - 11.4)	(4.3 - 17.3)	(2.3 - 11.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 5-3/ SUPPLEMENT 9**

**Percent of adults with less education who have diabetes  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	23	20	47	47	47
DO NOT HAVE	123	131	368	237	326
TOTAL	146	151	415	284	373

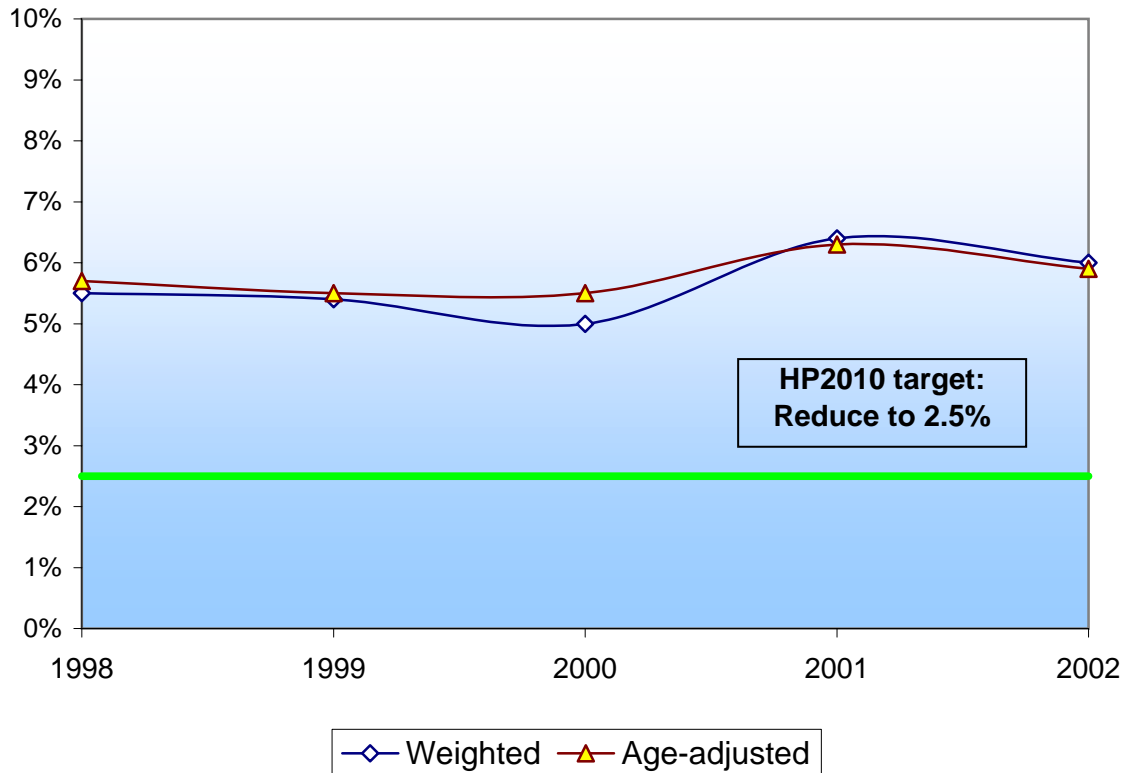
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	14.7	12.8	8.9	14.5	10.6
CI (95%)	(7.8 - 26.1)	(7.2 - 21.7)	(6.1 - 12.8)	(9.9 - 20.7)	(7.3 - 15.1)
Age-adjusted percent	10.7	5.3	5.5	9.1	6.2
CI (95%)	(5.8 - 18.7)	(3.0 - 9.2)	(3.5 - 8.7)	(5.7 - 14.2)	(3.5 - 10.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-3/ SUPPLEMENT 10

**Percent of adults who have diabetes  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	45	53	144	111	180
DO NOT HAVE	953	946	2658	1809	2624
TOTAL	998	999	2802	1920	2804

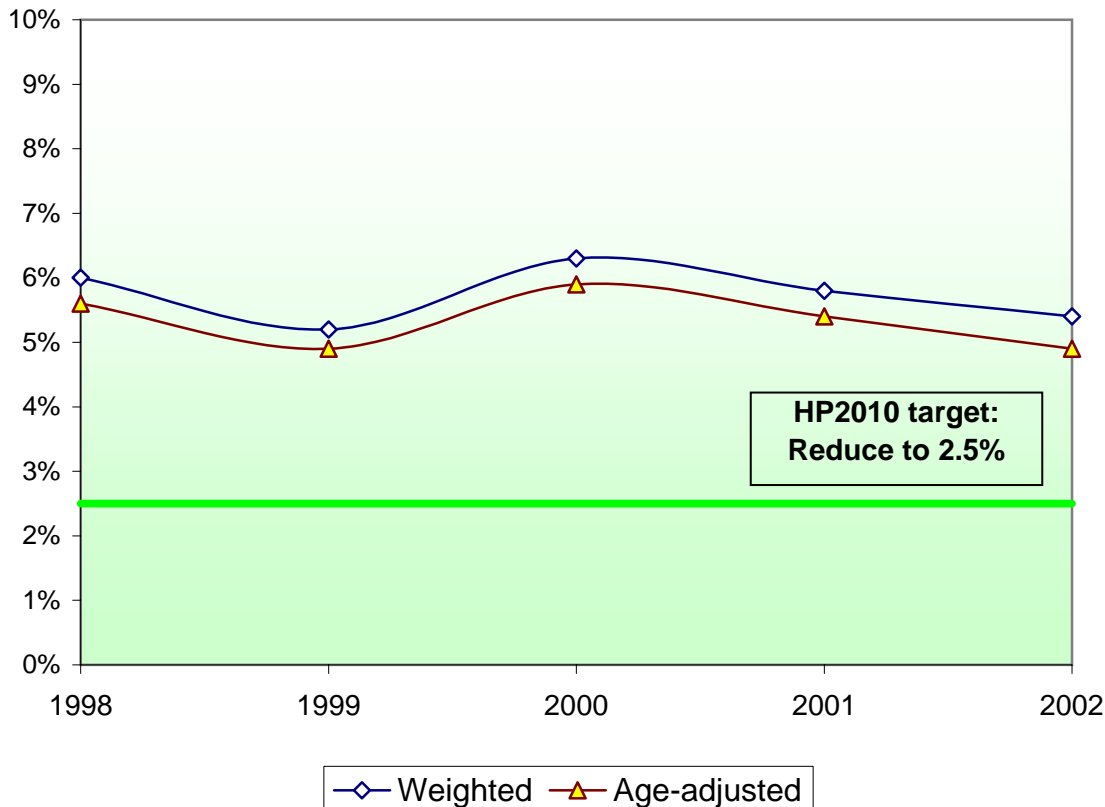
PERCENT	1998	1999	2000	2001	2002
Weighted percent	5.5	5.4	5.0	6.4	6.0
CI (95%)	(4.0 - 7.6)	(4.0 - 7.3)	(4.1 - 6.0)	(5.0 - 8.1)	(5.0 - 7.0)
Age-adjusted percent	5.7	5.5	5.0	6.3	5.9
CI (95%)	(4.2 - 7.7)	(4.1 - 7.3)	(4.2 - 6.0)	(5.0 - 8.0)	(5.0 - 5.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 5-3/ SUPPLEMENT 11**

**Percent of adults who have diabetes  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	35	29	93	60	84
DO NOT HAVE	494	498	1360	960	1286
TOTAL	529	527	1453	1020	1370

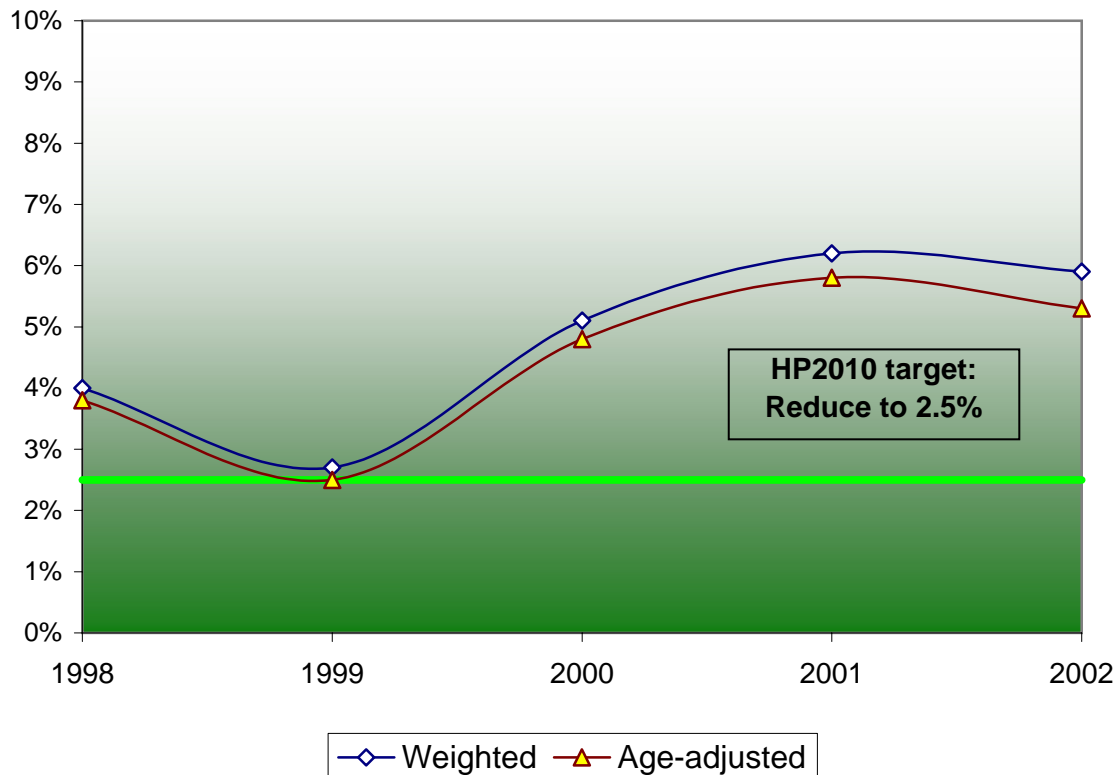
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	6.0	5.2	6.3	5.8	5.4
CI (95%)	(4.2 - 8.4)	(3.5 - 7.6)	(5.1 - 7.8)	(4.4 - 7.6)	(4.2 - 6.8)
Age-adjusted percent	5.6	4.9	5.9	5.4	4.9
CI (95%)	(4.0 - 7.8)	(3.3 - 7.0)	(4.8 - 7.3)	(4.1 - 7.0)	(3.8 - 6.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-3/ SUPPLEMENT 12

**Percent of adults who have diabetes  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	11	8	34	32	40
DO NOT HAVE	199	198	552	517	560
TOTAL	210	206	586	549	600

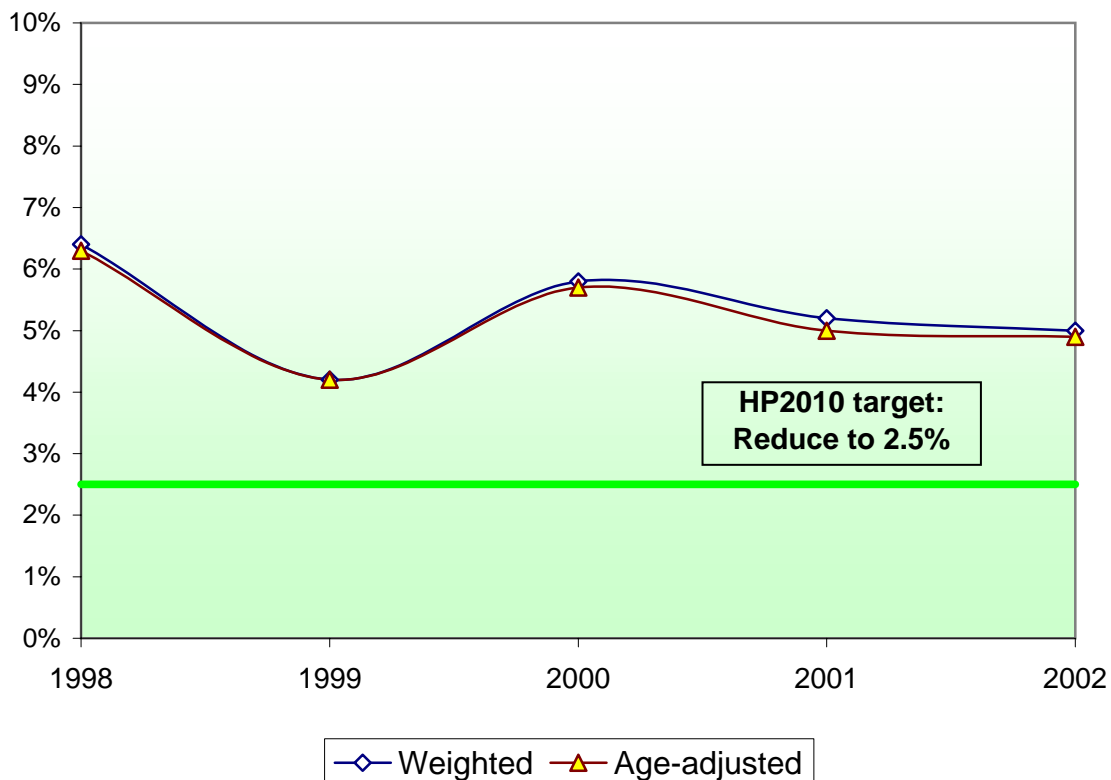
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	4.0	2.7	5.1	6.2	5.9
CI (95%)	(2.1 - 7.7)	(1.3 - 5.6)	(3.5 - 7.4)	(4.1 - 9.2)	(4.1 - 8.3)
Age-adjusted percent	3.8	2.5	4.8	5.8	5.3
CI (95%)	(2.0 - 7.1)	(1.2 - 5.1)	(3.3 - 7.0)	(3.9 - 8.6)	(3.7 - 7.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 5-3/ SUPPLEMENT 13**

**Percent of adults who have diabetes  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE	22	13	68	59	72
DO NOT HAVE	394	405	1102	952	1130
TOTAL	416	418	1170	1011	1202

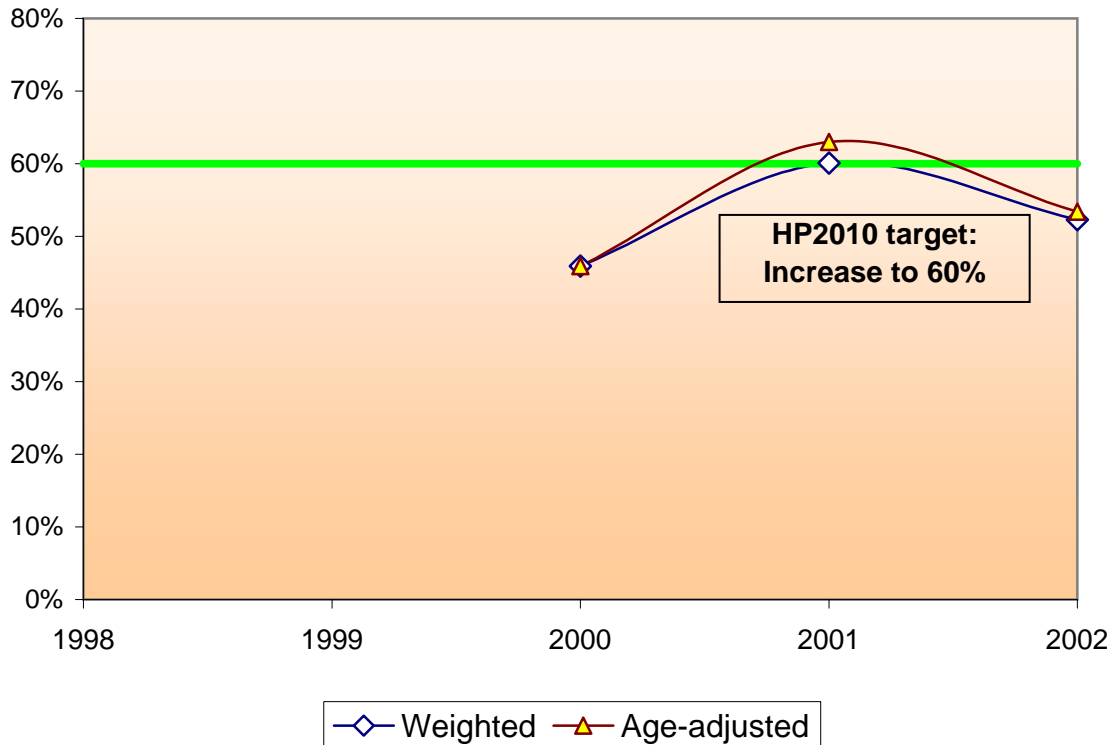
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	6.4	4.2	5.8	5.2	5.0
CI (95%)	(3.6 - 11.0)	(2.3 - 7.4)	(4.3 - 7.8)	(3.8 - 6.9)	(3.7 - 6.6)
Age-adjusted percent	6.3	4.2	5.7	5.0	4.9
CI (95%)	(3.5 - 10.9)	(2.4 - 7.2)	(4.2 - 7.5)	(3.8 - 6.7)	(3.7 - 6.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-1

**Percent of adults with diabetes who received formal education  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
RECEIVED			149	135	192
DID NOT RECEIVE			184	127	183
TOTAL			333	262	375

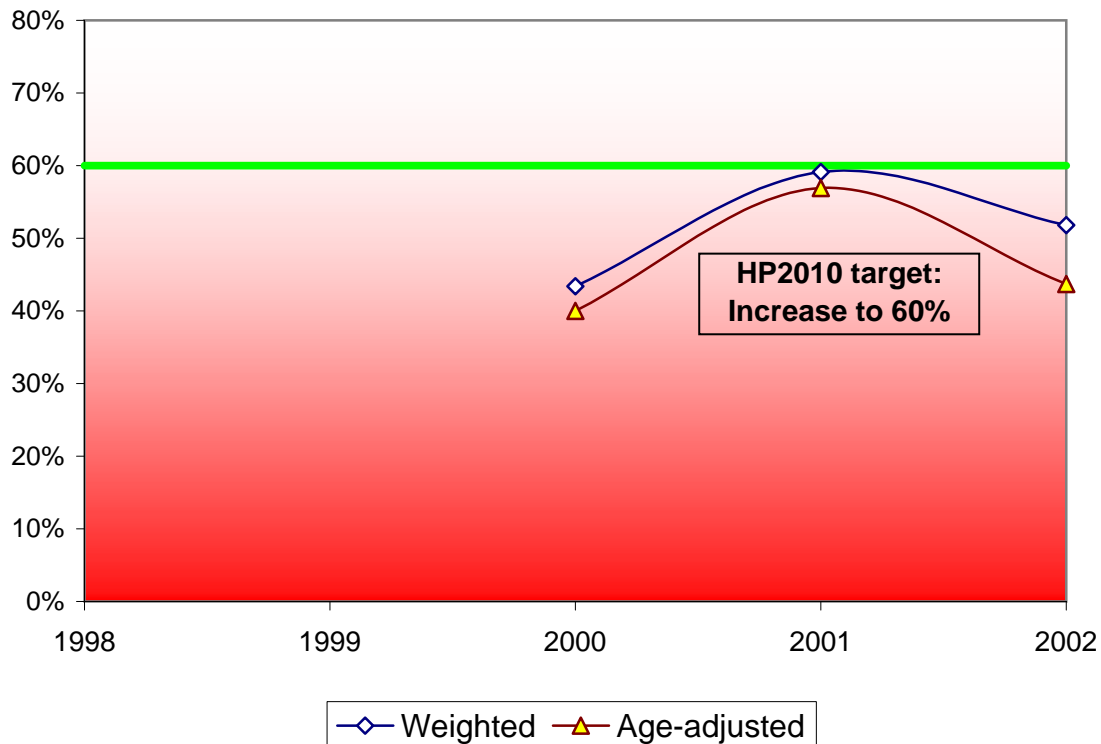
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent			45.9	60.1	52.3
CI (95%)			(39.1 - 52.9)	(51.3 - 68.3)	(45.5 - 58.9)
Age-adjusted percent			45.9	63.0	53.4
CI (95%)			(36.2 - 55.8)	(53.0 - 72.1)	(43.6 - 62.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-1/ Supplement 1

**Percent of men with diabetes  
who received formal education  
Hawaii, 1998-2002**

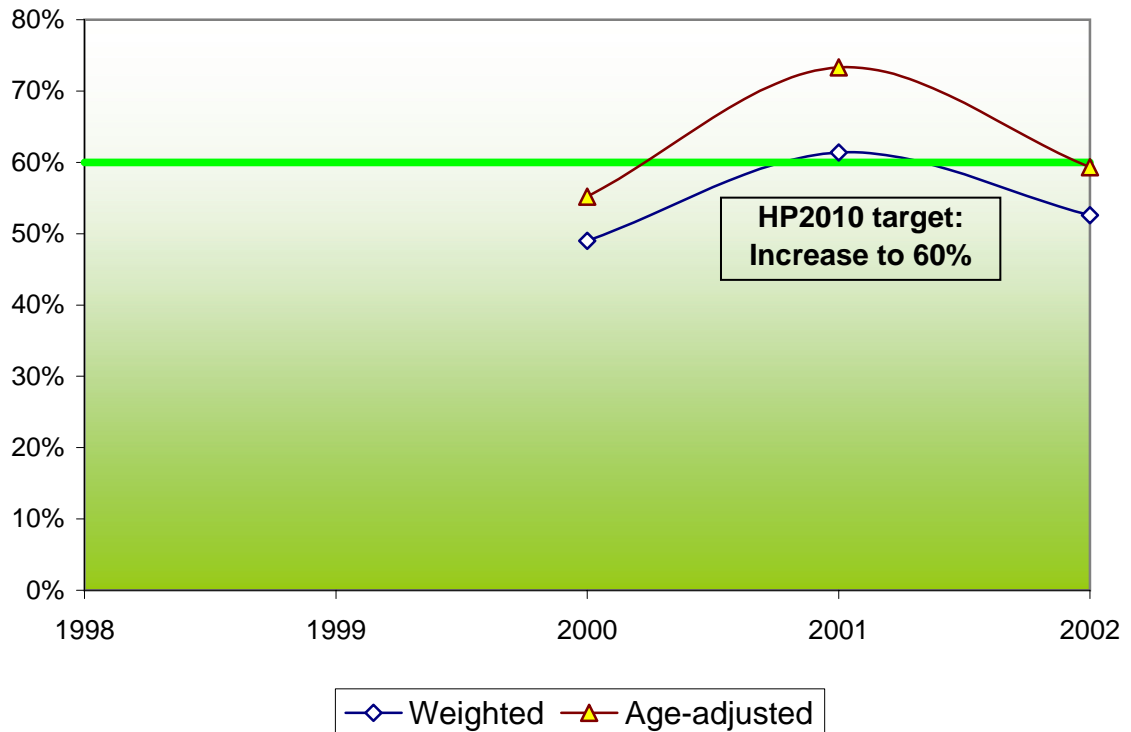


	1998	1999	2000	2001	2002
<b>NUMBER OF RESPONDENTS</b>					
RECEIVED			74	56	76
DID NOT RECEIVE			96	63	78
<b>TOTAL</b>			170	119	154
<b>PERCENT</b>					
<b>Weighted percent</b>			43.4	59.1	51.8
CI (95%)			(34.2 - 53.2)	(45.8 - 71.2)	(42.0 - 61.5)
<b>Age-adjusted percent</b>			40.0	56.9	43.7
CI (95%)			(28.2 - 53.0)	(43.6 - 69.3)	(28.8 - 59.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-1/ Supplement 2

**Percent of women with diabetes who received formal education  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
RECEIVED			75	79	116
DID NOT RECEIVE			88	64	105
TOTAL			163	143	221

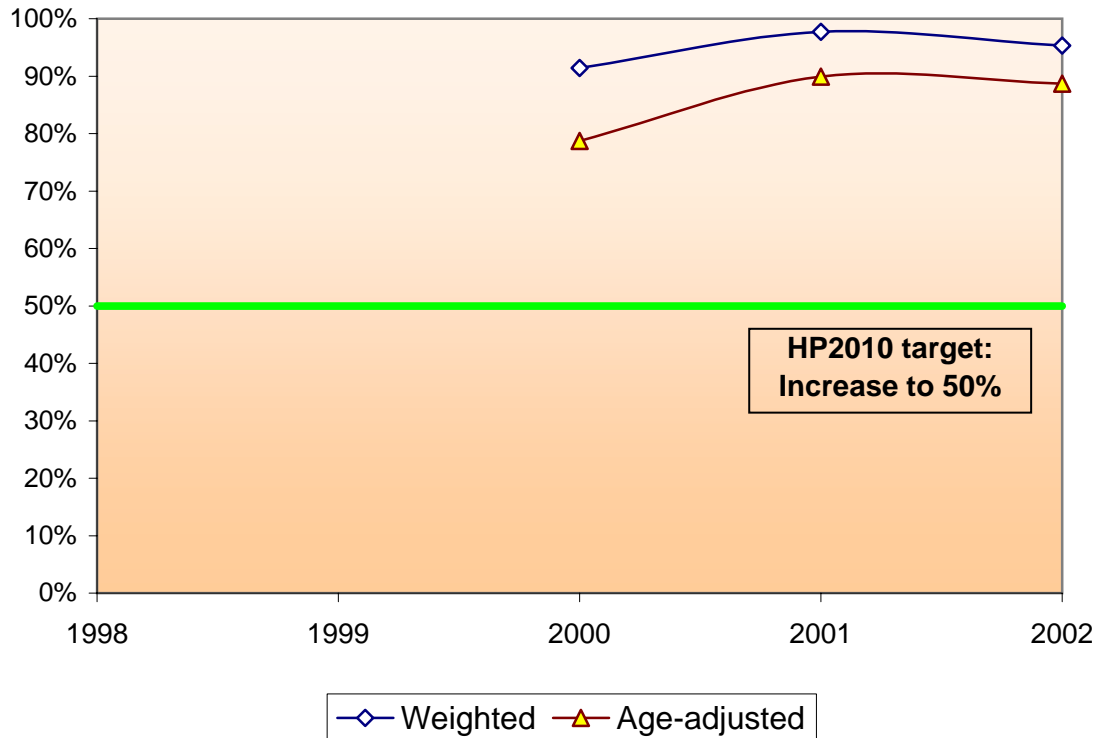
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent			49.0	61.4	52.6
CI (95%)			(39.2 - 58.8)	(50.2 - 71.4)	(43.5 - 61.5)
Age-adjusted percent			55.2	73.3	59.3
CI (95%)			(41.6 - 68.1)	(60.1 - 83.3)	(47.6 - 70.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 5-12**

**Percent of adults with diabetes who had glycosylated hemoglobin measurement at least once last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD			262	239	337
DID NOT HAVE			24	8	21
TOTAL			286	247	358

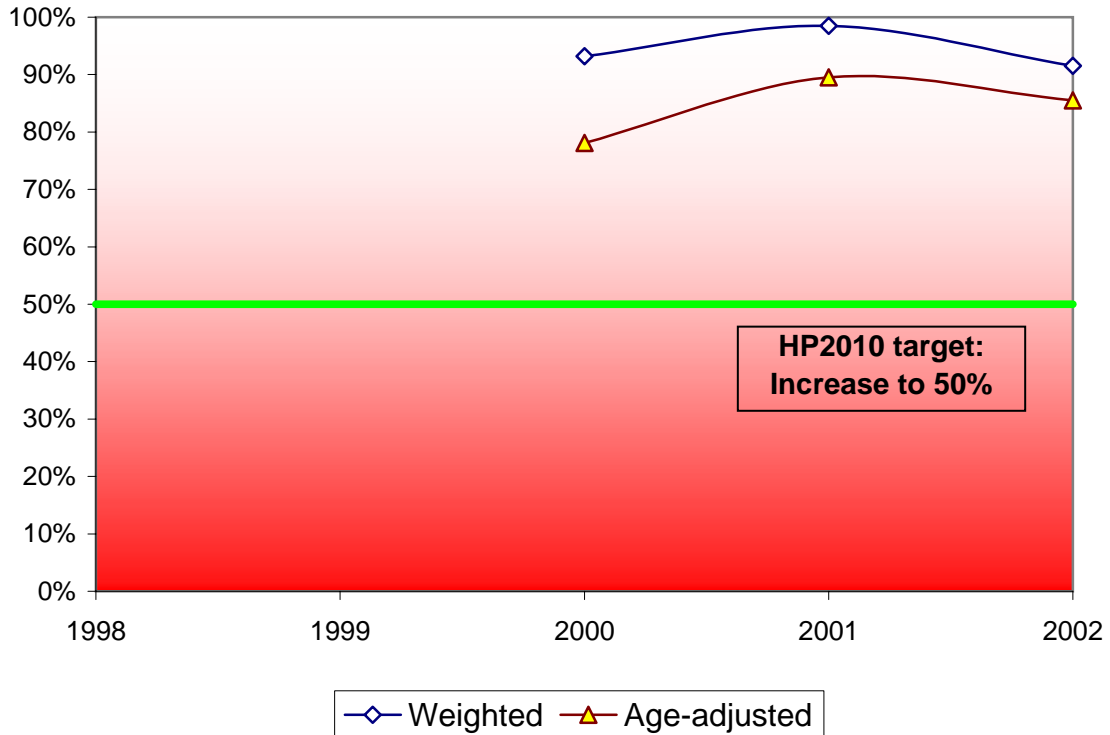
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent			91.4	97.7	95.3
CI (95%)			(85.9 - 94.9)	(93.9 - 99.1)	(92.2 - 97.2)
Age-adjusted percent			78.7	89.9	88.7
CI (95%)			(70.9 - 84.9)	(81.5 - 94.7)	(80.8 - 93.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-12/ SUPPLEMENT 1

**Percent of men with diabetes who had glycosylated hemoglobin measurement at least once last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD			133	109	133
DID NOT HAVE			12	2	13
TOTAL			145	111	146

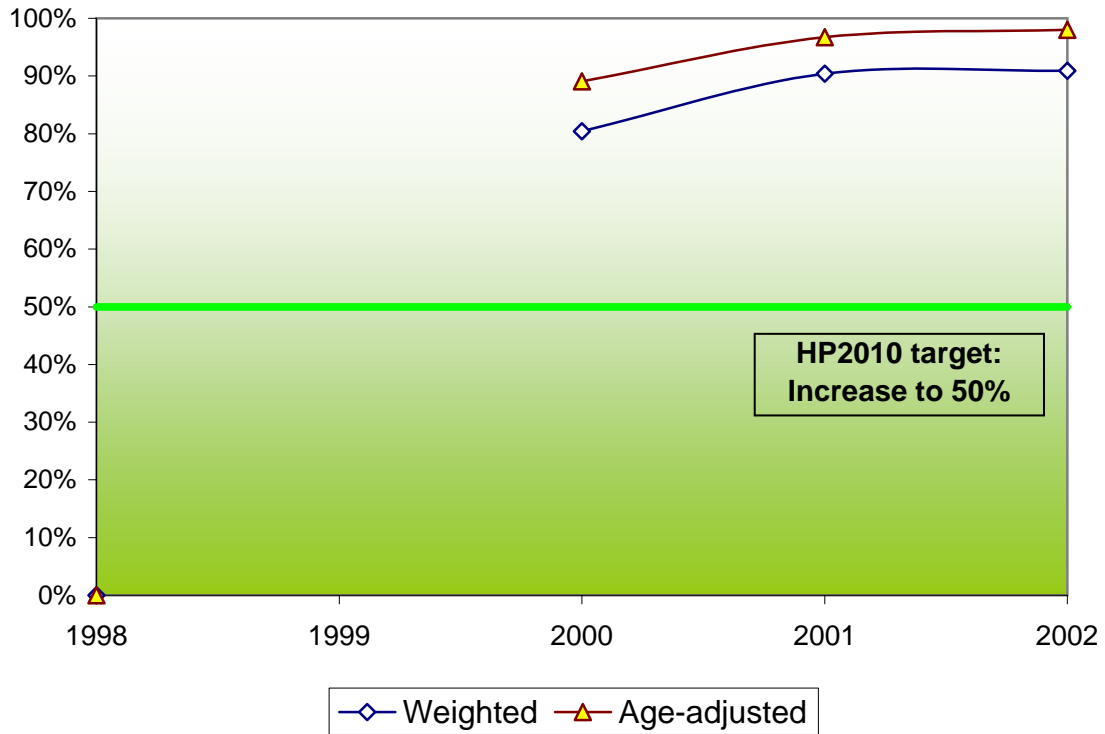
PERCENT	1998	1999	2000	2001	2002
Weighted percent			93.2	98.5	91.5
CI (95%)			(86.4 - 96.8)	(91.2 - 99.8)	(84.3 - 95.6)
Age-adjusted percent			78.1	89.5	85.5
CI (95%)			(66.1 - 86.7)	(77.6 - 95.4)	(75.5 - 91.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 5-12/ SUPPLEMENT 2

**Percent of women with diabetes who had glycosylated hemoglobin measurement at least once last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD			129	130	204
DID NOT HAVE			12	6	8
TOTAL			141	136	212

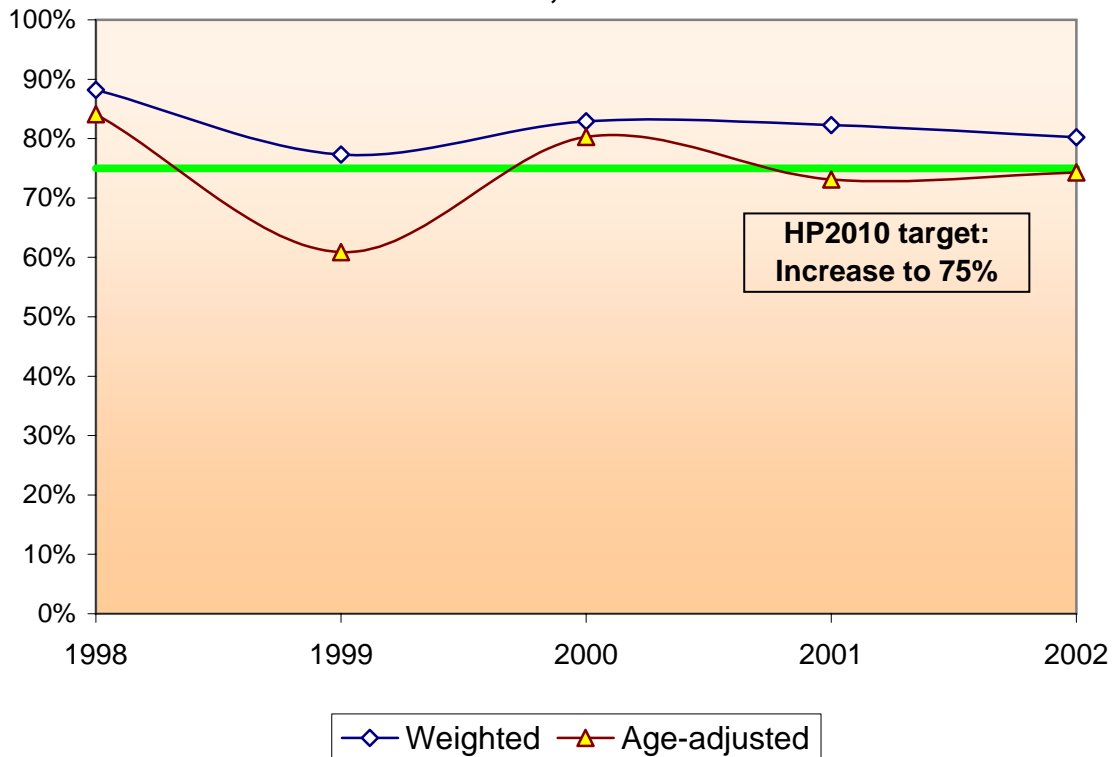
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent			89.1	96.7	98.0
CI (95%)			(79.0 - 94.7)	(89.8 - 99.0)	(95.7 - 99.0)
Age-adjusted percent			80.4	90.4	90.9
CI (95%)			(72.1 - 86.8)	(76.5 - 96.4)	(79.8 - 96.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 5-13**

**Percent of adults with diabetes  
who had a dilated eye examination last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	90	77	277	216	300
DID NOT HAVE	20	24	52	46	74
TOTAL	110	101	329	262	374

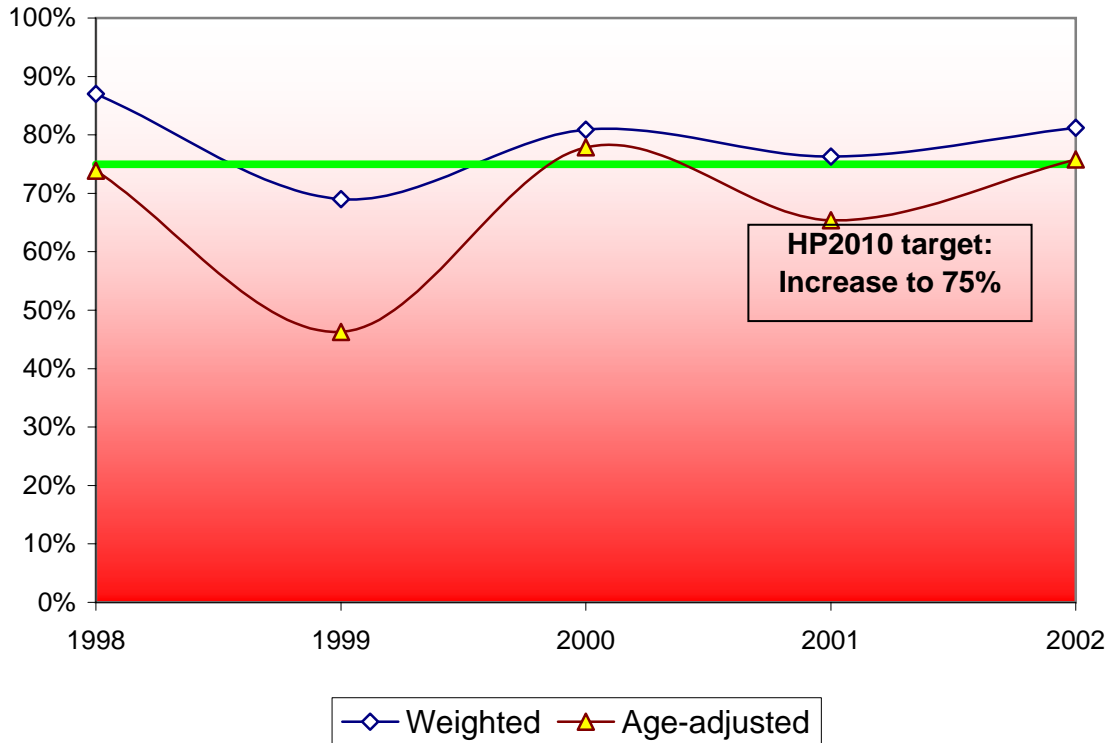
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	88.2	77.3	82.9	82.3	80.2
CI (95%)	(80.0 - 93.3)	(65.0 - 86.1)	(76.7 - 87.7)	(75.0 - 87.8)	(73.5 - 85.6)
Age-adjusted percent	84.1	60.9	80.3	73.1	74.3
CI (95%)	(72.3 - 91.5)	(45.2 - 74.6)	(72.9 - 86.1)	(63.1 - 81.2)	(64.4 - 82.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-13/ SUPPLEMENT 1

**Percent of men with diabetes  
who had a dilated eye examination last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	40	36	138	92	121
DID NOT HAVE	10	17	30	27	32
TOTAL	50	53	168	119	153

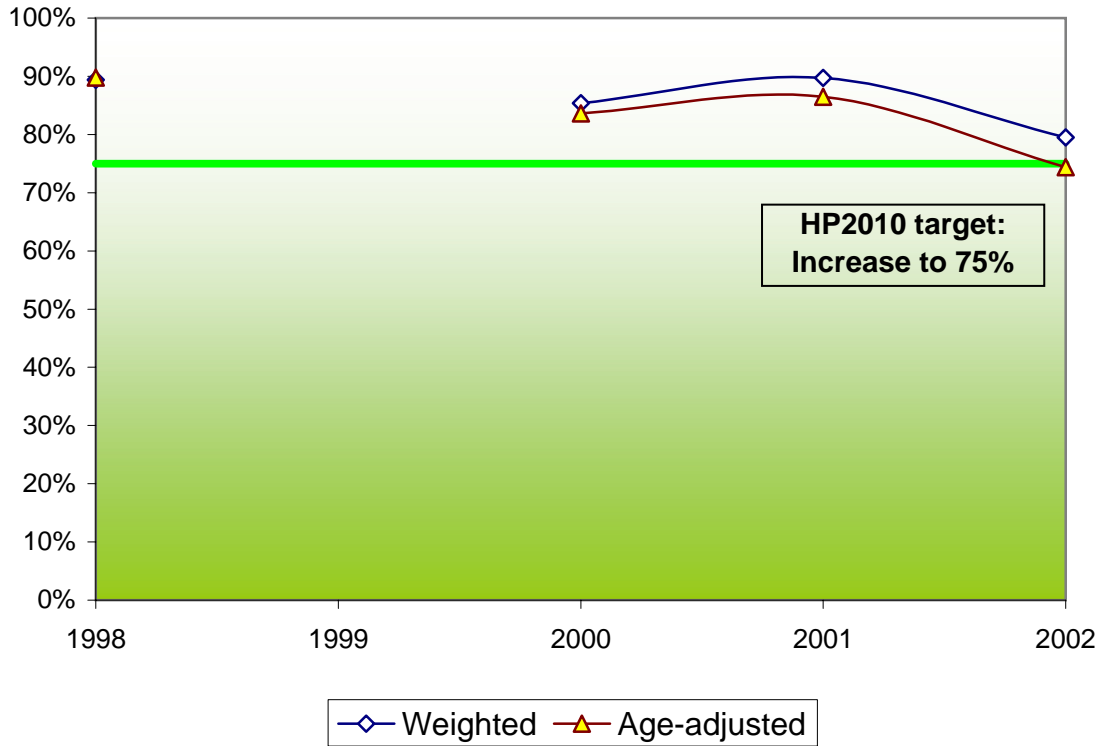
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	87.0	69.0	80.9	76.3	81.2
CI (95%)	(72.5 - 94.4)	(51.6 - 82.3)	(71.6 - 87.7)	(64.1 - 85.3)	(72.5 - 87.6)
Age-adjusted percent	73.9	46.3	77.9	65.4	75.8
CI (95%)	(63.5 - 82.1)	(34.9 - 58.1)	(66.5 - 86.2)	(53.5 - 75.7)	(66.8 - 83.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-13/ SUPPLEMENT 2

**Percent of women with diabetes  
who had a dilated eye examination last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	50		139	124	179
DID NOT HAVE	10		22	19	42
<b>TOTAL</b>	<b>60</b>		<b>161</b>	<b>143</b>	<b>221</b>

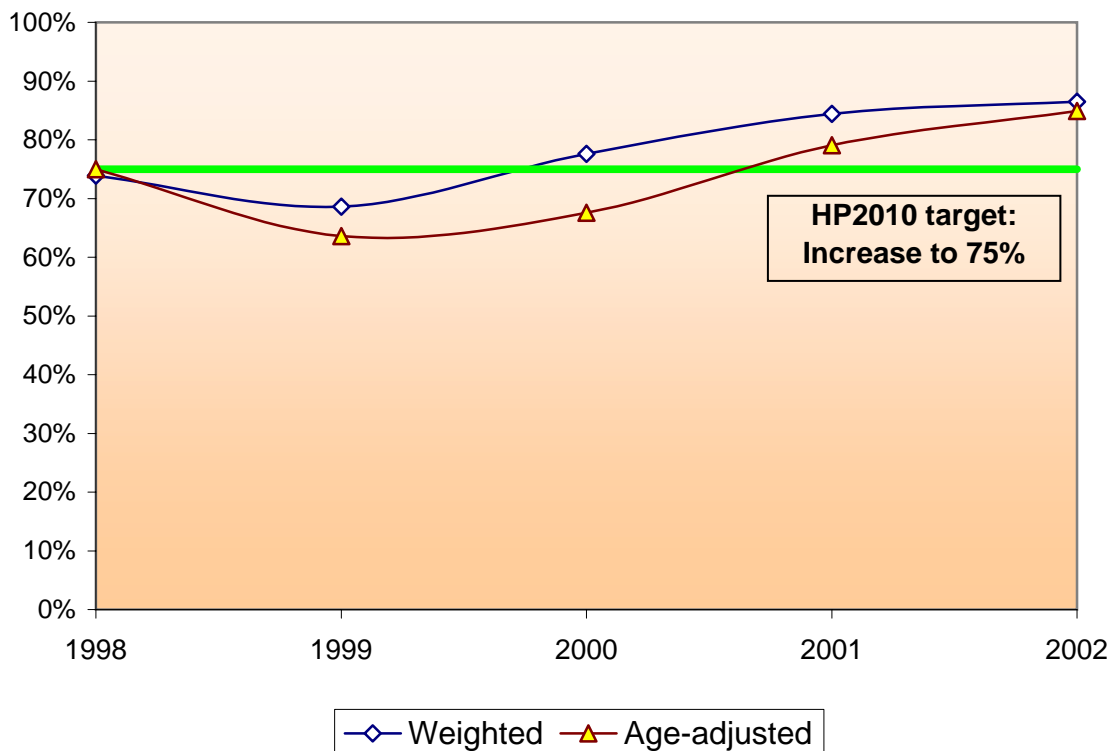
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	<b>89.4</b>		<b>85.4</b>	<b>89.7</b>	<b>79.5</b>
<b>CI (95%)</b>	<b>(78.6 - 95.1)</b>		<b>(76.8 - 91.1)</b>	<b>(82.5 - 94.2)</b>	<b>(69.4 - 87.0)</b>
<b>Age-adjusted percent</b>	<b>89.8</b>		<b>83.6</b>	<b>86.5</b>	<b>74.4</b>
<b>CI (95%)</b>	<b>(77.6 - 95.7)</b>		<b>(75.3 - 89.5)</b>	<b>(75.0 - 93.2)</b>	<b>(61.5 - 84.0)</b>

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-14

**Percent of adults with diabetes  
who had a foot examination at least once last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	66	58	238	213	314
DID NOT HAVE	34	29	75	41	54
TOTAL	100	87	313	254	368

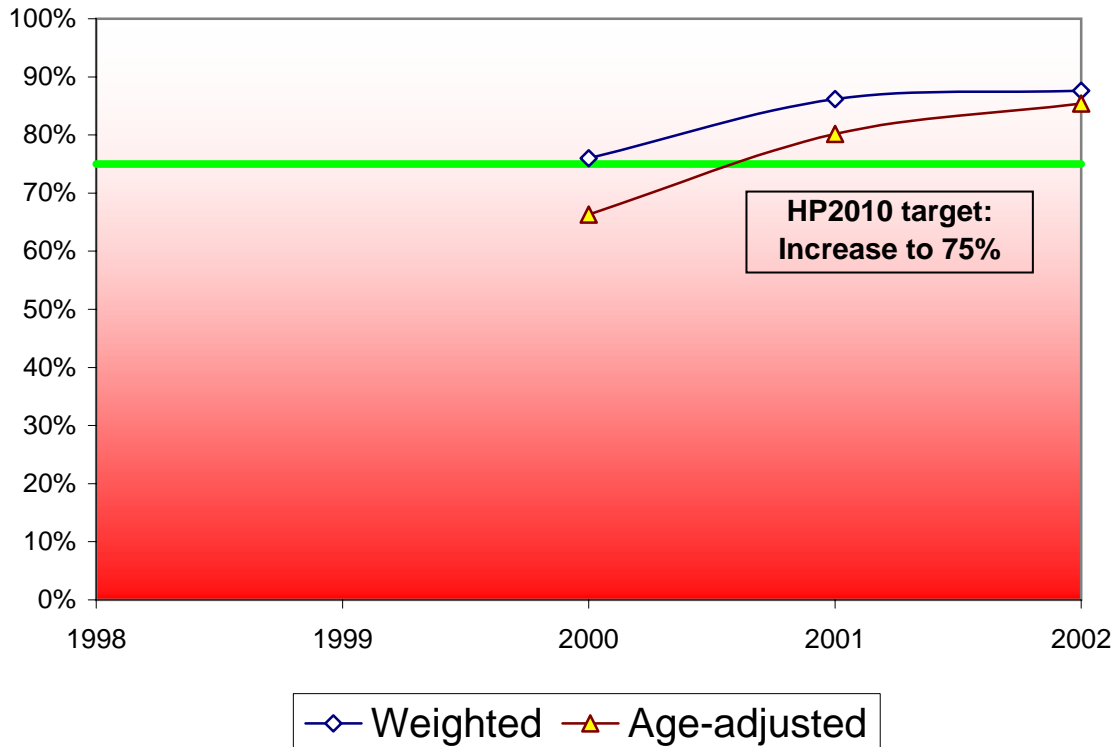
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	73.9	68.6	77.6	84.4	86.5
CI (95%)	(61.0 - 83.6)	(55.5 - 79.3)	(71.0 - 83.1)	(77.3 - 89.6)	(81.6 - 90.2)
Age-adjusted percent	75.0	63.6	67.6	79.1	84.9
CI (95%)	(61.9 - 84.7)	(48.9 - 76.1)	(57.1 - 76.6)	(68.9 - 86.7)	(77.5 - 90.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 5-14/ SUPPLEMENT 1

**Percent of men with diabetes  
who had a foot examination at least once last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD			118	97	129
DID NOT HAVE			40	18	20
TOTAL			158	115	149

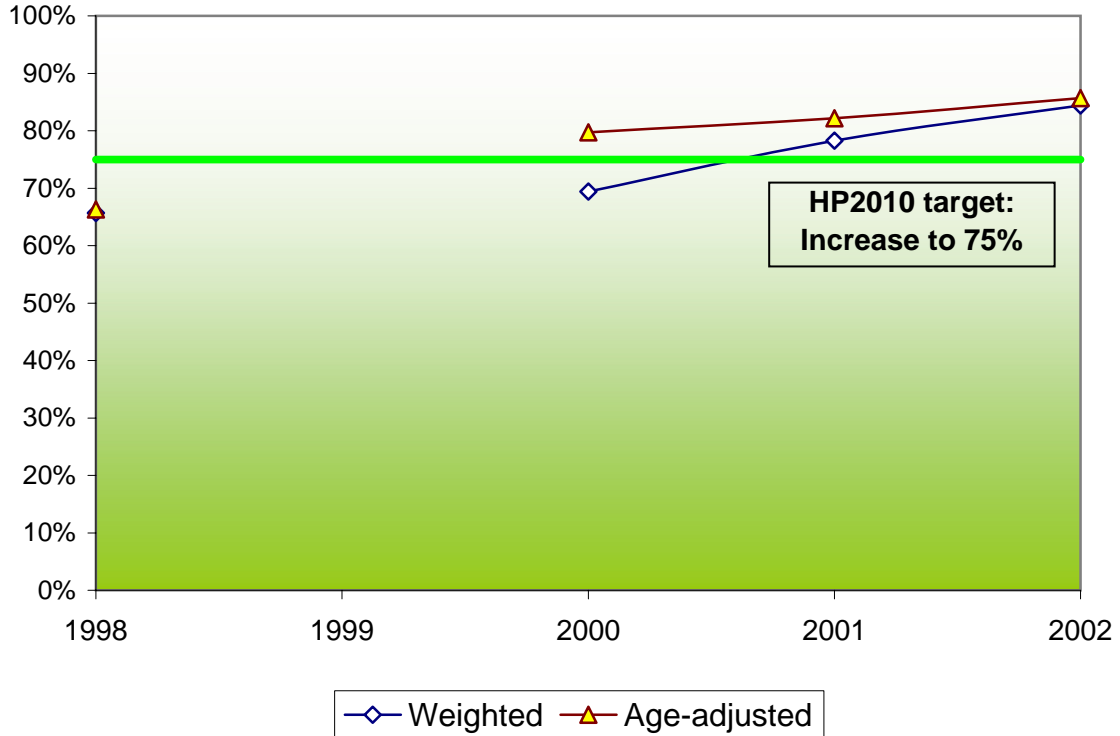
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent			76.0	86.2	87.6
CI (95%)			(65.9 - 83.8)	(75.6 - 92.6)	(80.2 - 92.5)
Age-adjusted percent			66.3	80.2	85.4
CI (95%)			(52.2 - 78.0)	(65.6 - 89.5)	(75.5 - 91.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 5-14/ SUPPLEMENT 2**

**Percent of women with diabetes  
who had a foot examination at least once last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD	34		120	116	185
DID NOT HAVE	22		35	23	34
<b>TOTAL</b>	<b>56</b>		<b>155</b>	<b>139</b>	<b>219</b>

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	<b>66.3</b>		<b>79.7</b>	<b>82.2</b>	<b>85.7</b>
CI (95%)	(48.0 - 80.7)		(70.8 - 86.4)	(71.6 - 89.4)	(78.9 - 90.6)
<b>Age-adjusted percent</b>	<b>65.7</b>		<b>69.4</b>	<b>78.3</b>	<b>84.4</b>
CI (95%)	(49.9 - 78.6)		(54.2 - 81.3)	(63.1 - 88.4)	(74.3 - 91.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

# HEART DISEASE AND STROKE

## **Objective 12-9**

*Reduce the proportion of adults (aged 20+) with high blood pressure to **16%***

## **Objective 12-14**

*Reduce the proportion of adults (aged 20+) with high total blood cholesterol levels to **17%***

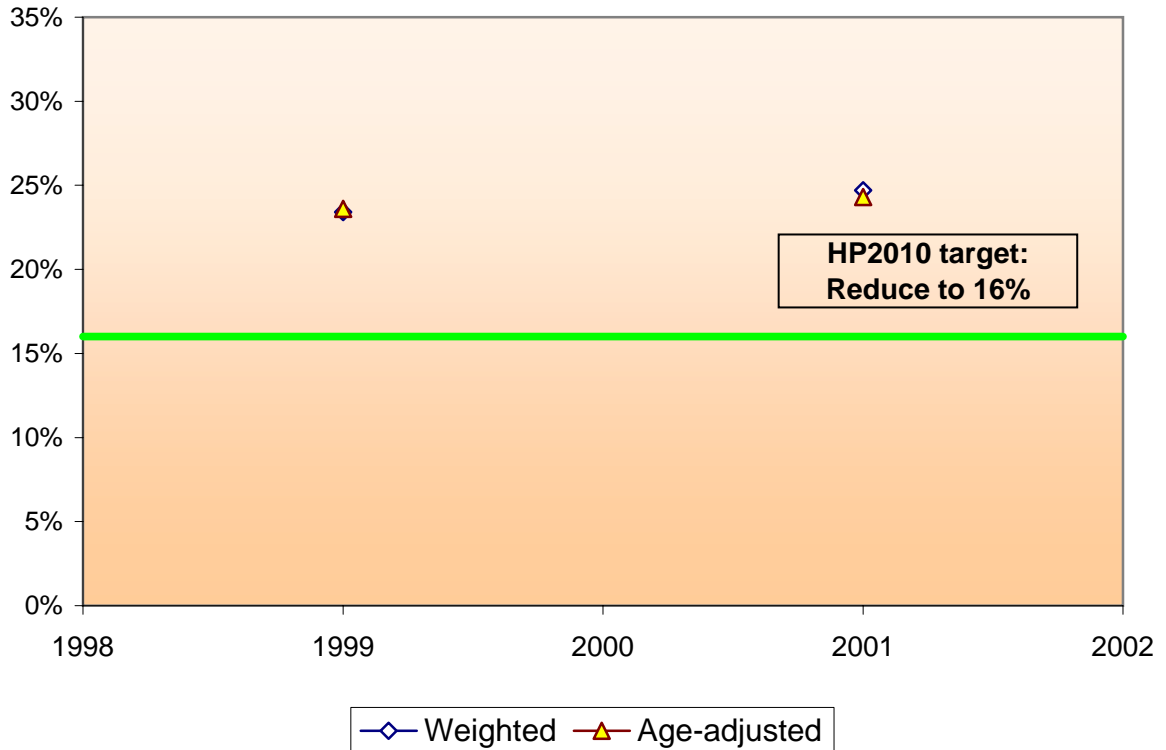
## **Objective 12-15**

*Increase the proportion of adults who have had their blood cholesterol checked within the preceding 5 years to **80%***



## OBJECTIVE 12-9

**Percent of adults aged 20+ who have high blood pressure  
Hawaii, 1998-2002**



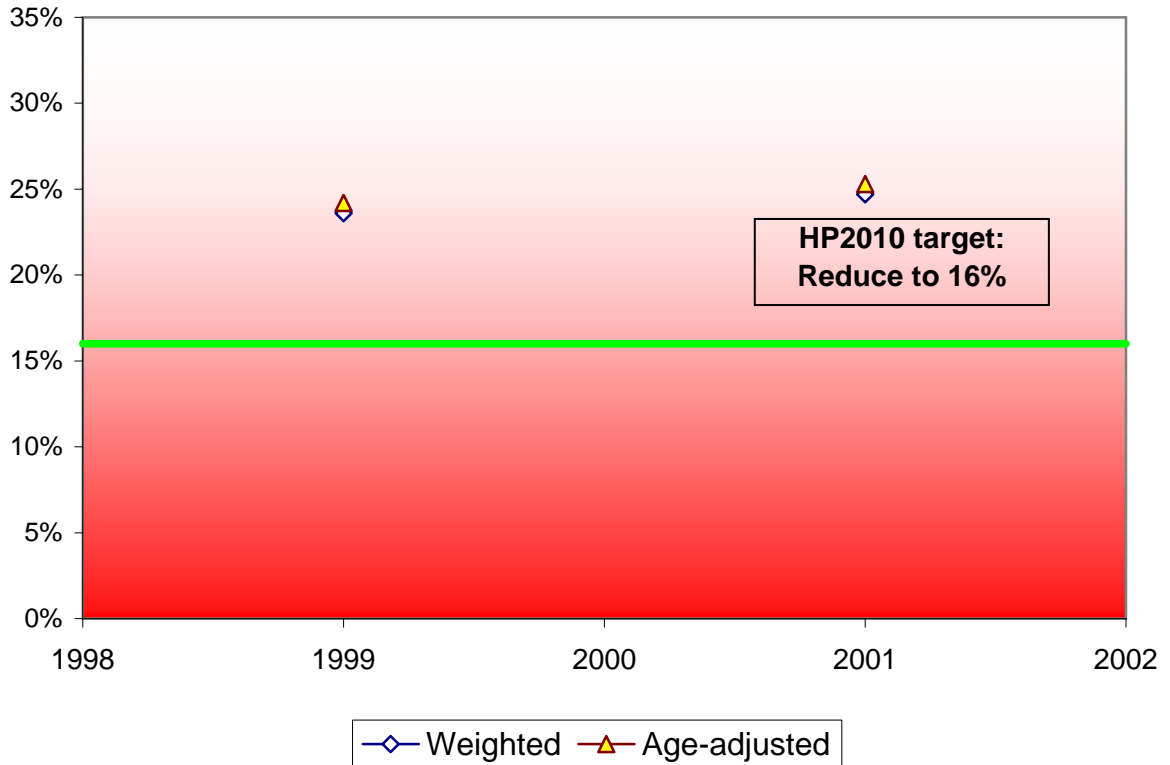
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		486		1082	
DO NOT HAVE		1620		3327	
TOTAL		2106		4409	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		23.4		24.7	
C.I (95%)		(21.0 - 26.0)		(23.0 - 26.6)	
Age-adjusted percent		23.6		24.3	
C.I (95%)		(21.3 - 25.9)		(22.8 - 25.9)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-9/ Supplement 1

**Percent of men aged 20+ who have high blood pressure  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		236		479	
DO NOT HAVE		730		1412	
TOTAL		966		1891	

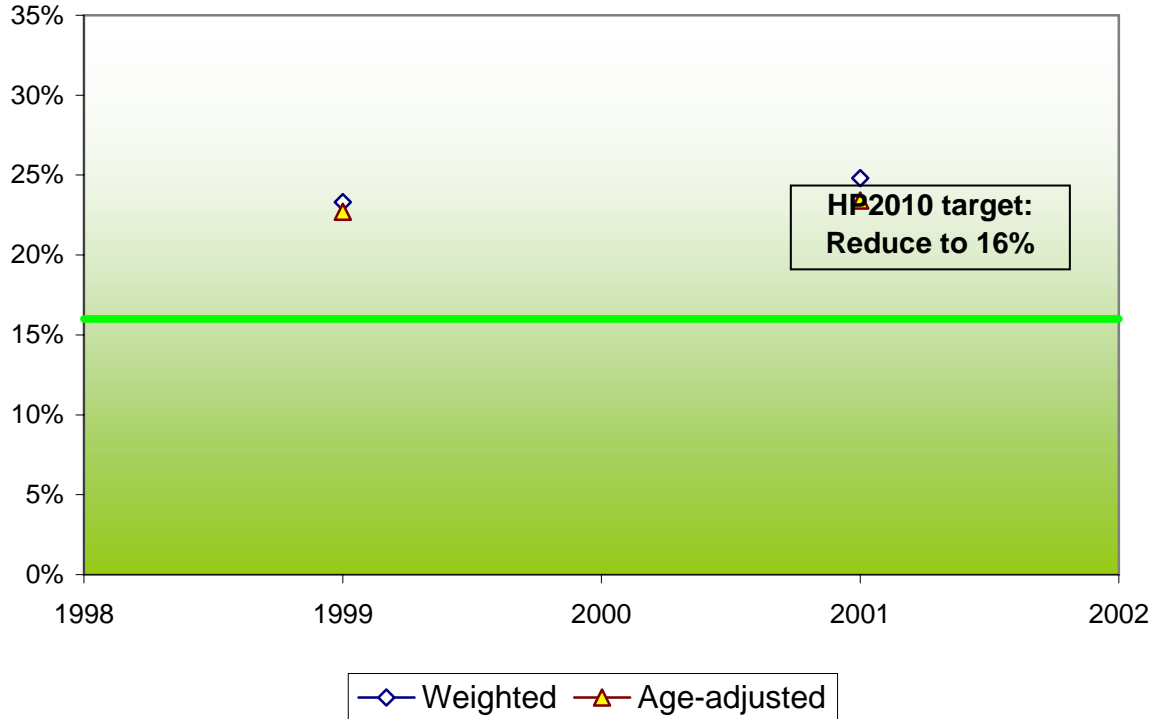
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		23.6		24.7	
C.I (95%)		(20.2 - 27.3)		(22.2 - 27.4)	
Age-adjusted percent		24.2		25.3	
C.I (95%)		(21.0 - 27.8)		(23.0 - 27.8)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-9/ Supplement 2

**Percent of women aged 20+ who have high blood pressure  
Hawaii, 1998-2002**



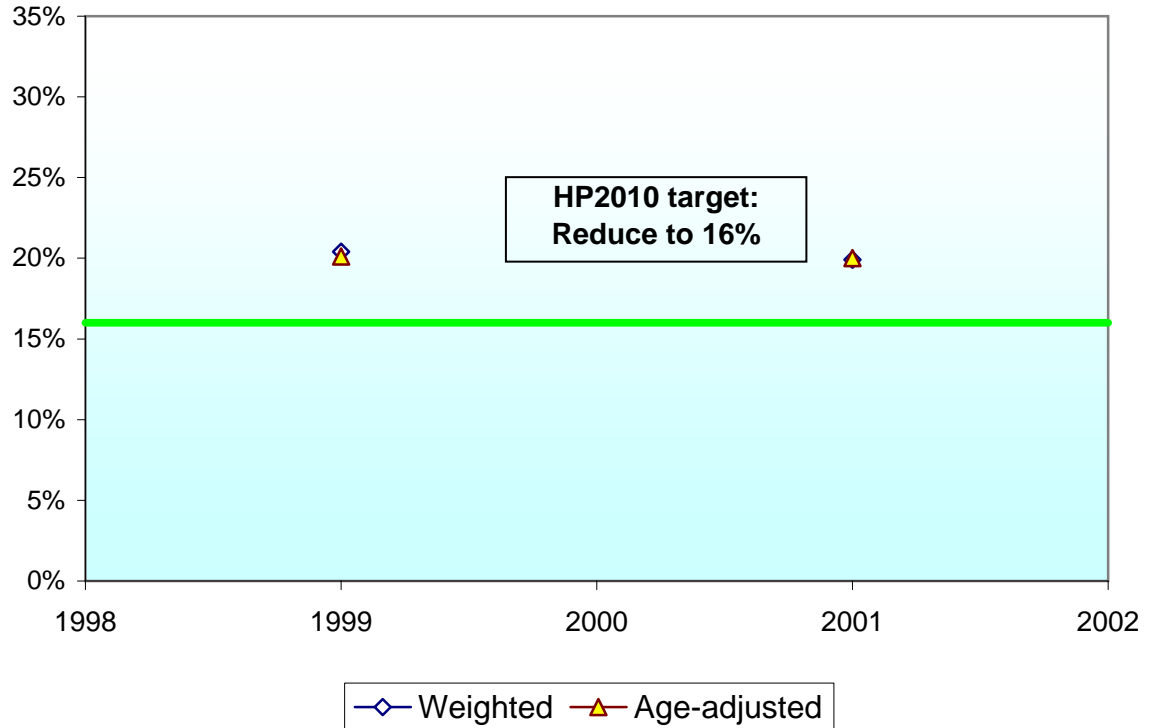
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		250		603	
DO NOT HAVE		890		1915	
TOTAL		1140		2518	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		23.3		24.8	
C.I (95%)		(20.0 - 26.9)		(22.4 - 27.3)	
Age-adjusted percent		22.7		23.4	
C.I (95%)		(19.8 - 25.8)		(21.4 - 25.5)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-9/ Supplement 3**

**Percent of White adults aged 20+ who have high blood pressure  
Hawaii, 1998-2002**



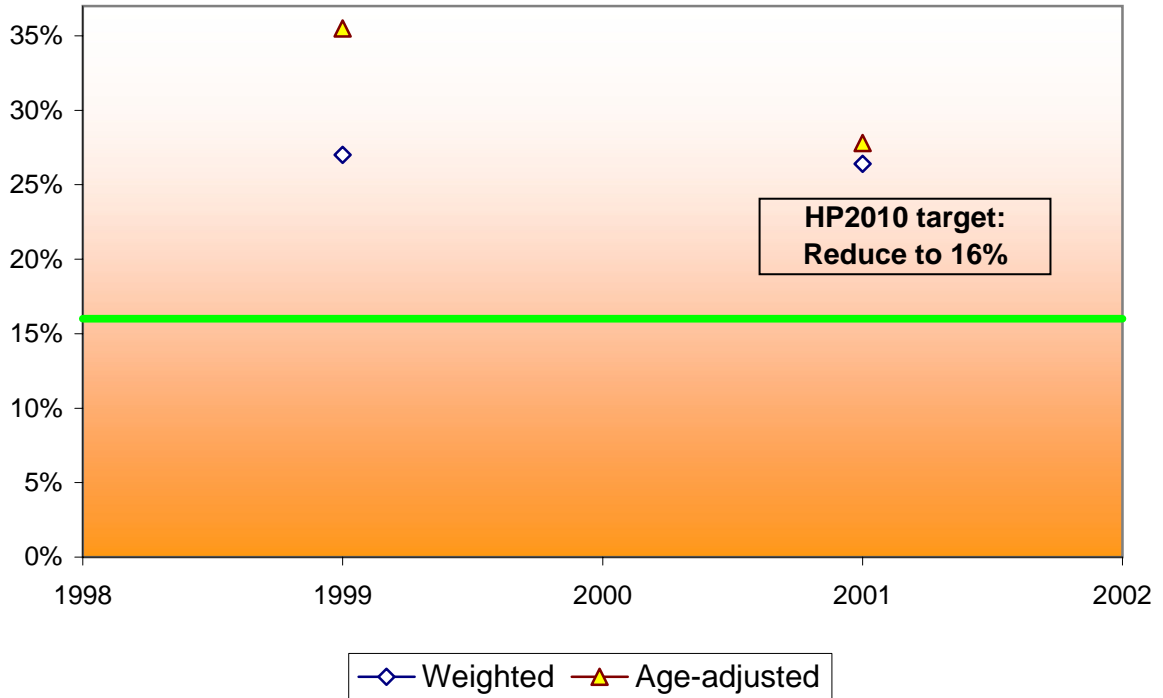
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		97		360	
DO NOT HAVE		392		1472	
TOTAL		489		1832	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		20.4		19.9	
C.I (95%)		(15.8 - 26.0)		(17.6 - 22.5)	
Age-adjusted percent		20.1		20.0	
C.I (95%)		(16.2 - 24.8)		(17.9 - 22.3)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-9/ Supplement 4

**Percent of Hawaiians aged 20+ who have high blood pressure  
Hawaii, 1998-2002**



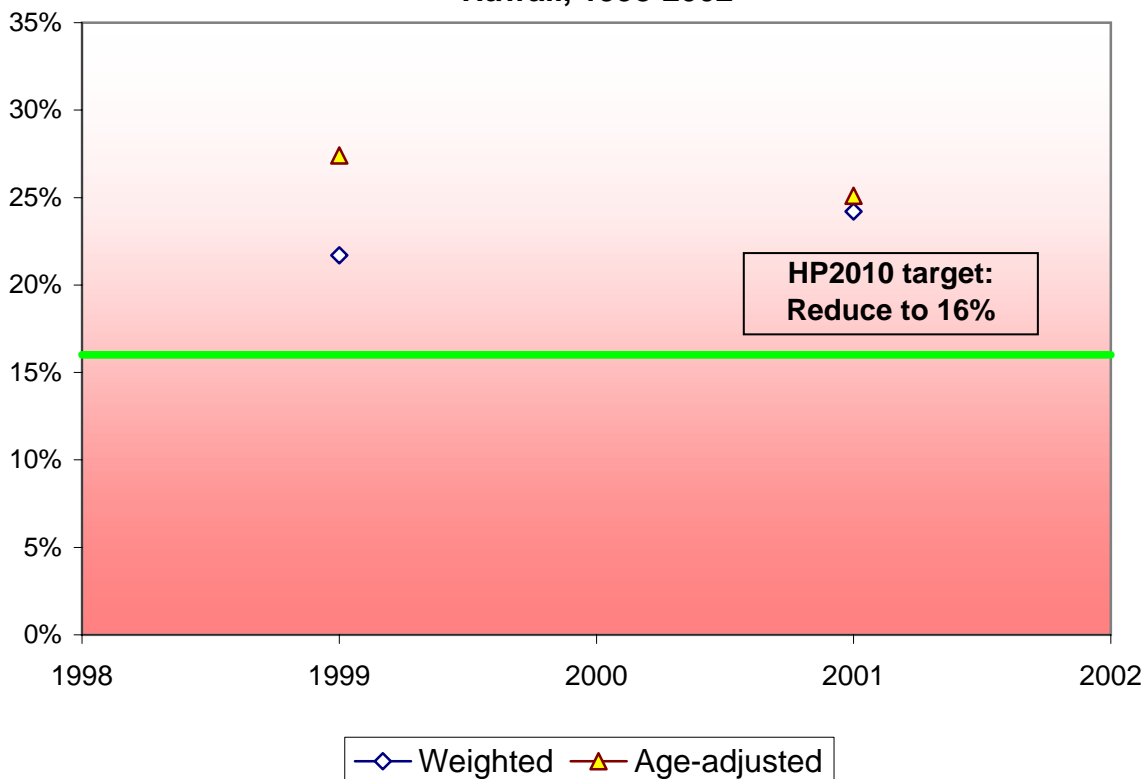
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		52		145	
DO NOT HAVE		160		419	
TOTAL		212		564	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		27.0		26.4	
C.I (95%)		(19.5 - 36.2)		(21.6 - 31.7)	
Age-adjusted percent		35.5		27.8	
C.I (95%)		(28.5 - 43.4)		(23.4 - 32.8)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-9/ Supplement 5

**Percent of Filipinos aged 20+ who have high blood pressure  
Hawaii, 1998-2002**



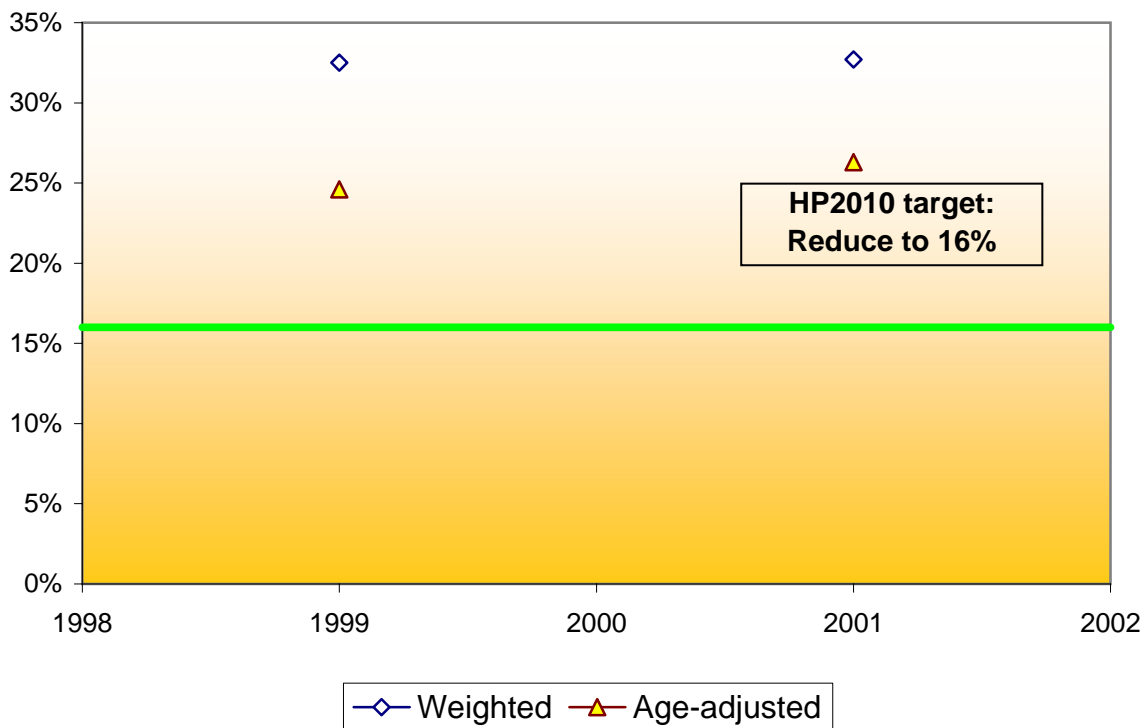
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		40		145	
DO NOT HAVE		126		387	
TOTAL		166		532	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		21.7		24.2	
C.I (95%)		(14.0 - 32.1)		(19.0 - 30.4)	
Age-adjusted percent		27.4		25.1	
C.I (95%)		(20.0 - 36.1)		(20.5 - 30.4)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-9/ Supplement 6

**Percent of Japanese aged 20+ who have high blood pressure  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		109		299	
DO NOT HAVE		232		561	
TOTAL		341		860	

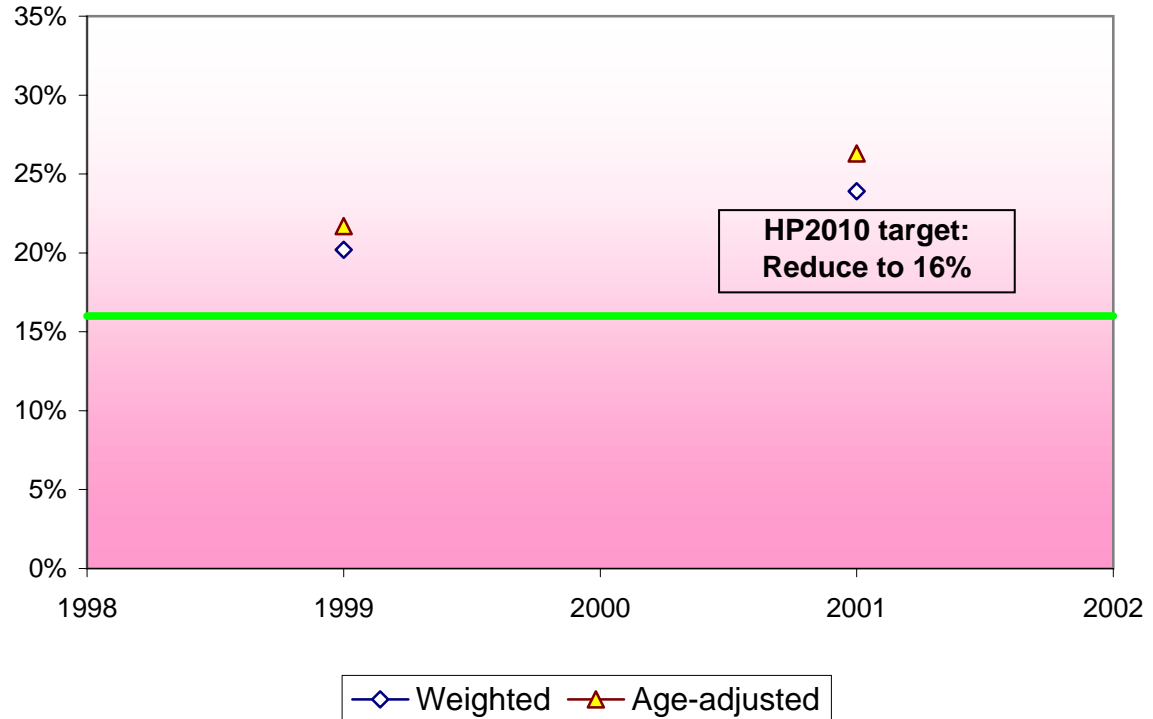
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		32.5		32.7	
C.I (95%)		(26.4 - 39.2)		(28.8 - 36.9)	
Age-adjusted percent		24.6		26.3	
C.I (95%)		(19.5 - 30.7)		(23.0 - 29.9)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-9/ Supplement 7

**Percent of adults of other races aged 20+ who have high blood pressure  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		188		133	
DO NOT HAVE		710		488	
TOTAL		898		621	

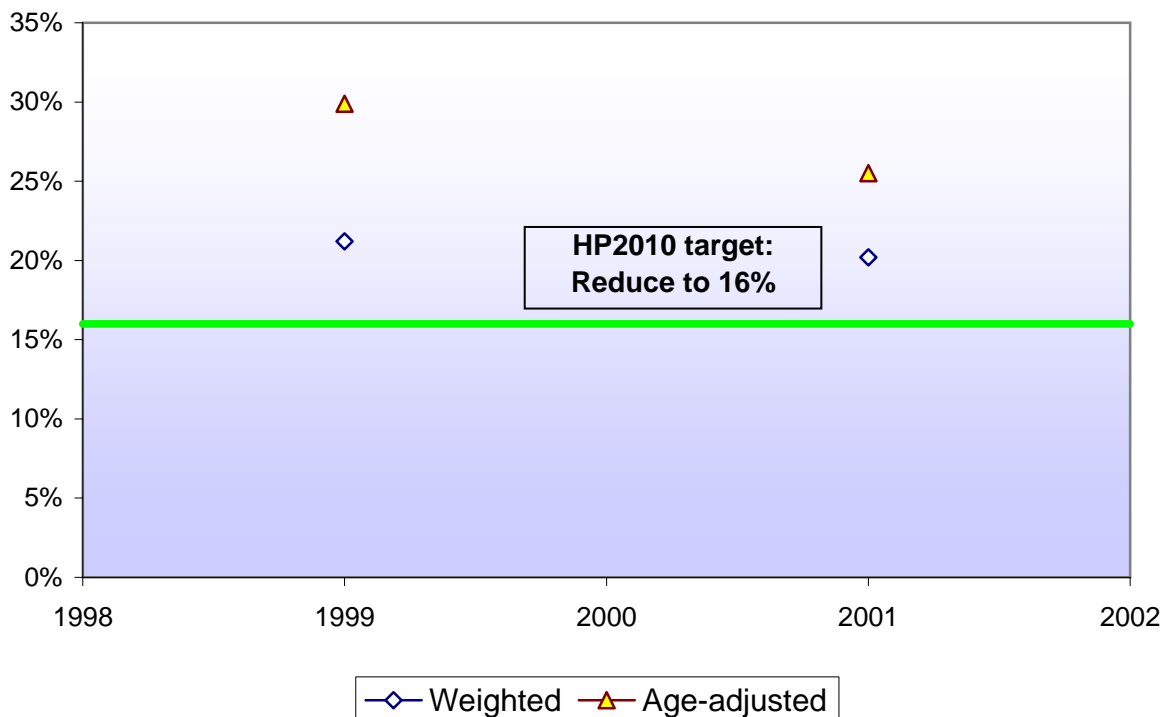
PERCENT	1998	1999	2000	2001	2002
Weighted percent		20.2		23.9	
C.I (95%)		(17.0 - 23.9)		(19.6 - 28.7)	
Age-adjusted percent		21.7		26.3	
C.I (95%)		(18.7 - 25.1)		(22.5 - 30.5)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 12-9/ Supplement 8

**Percent of adults in low income household aged 20+ who have high blood pressure  
Hawaii, 1998-2002**



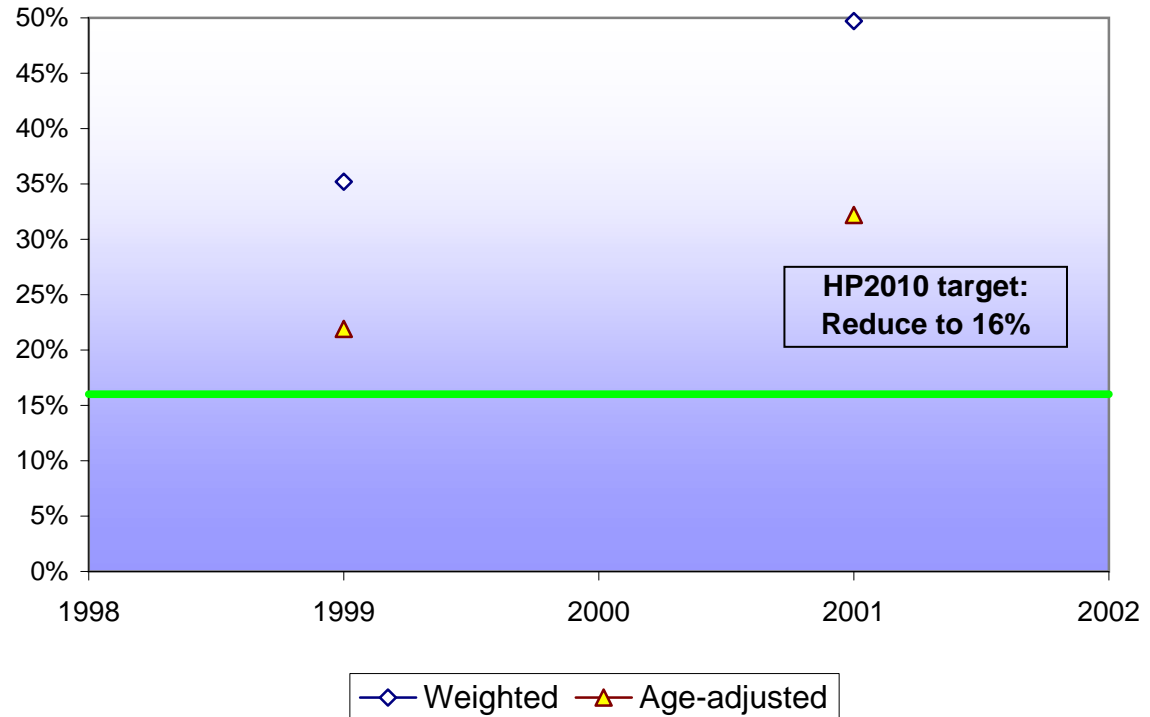
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		15		35	
DO NOT HAVE		82		154	
TOTAL		97		189	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		21.2		20.2	
C.I (95%)		(10.6 - 38.0)		(12.2 - 31.7)	
Age-adjusted percent		29.9		25.5	
C.I (95%)		(22.5 - 38.4)		(17.7 - 35.4)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-9/ Supplement 9**

**Percent of adults with less education who have high blood pressure  
Hawaii, 1998-2002**



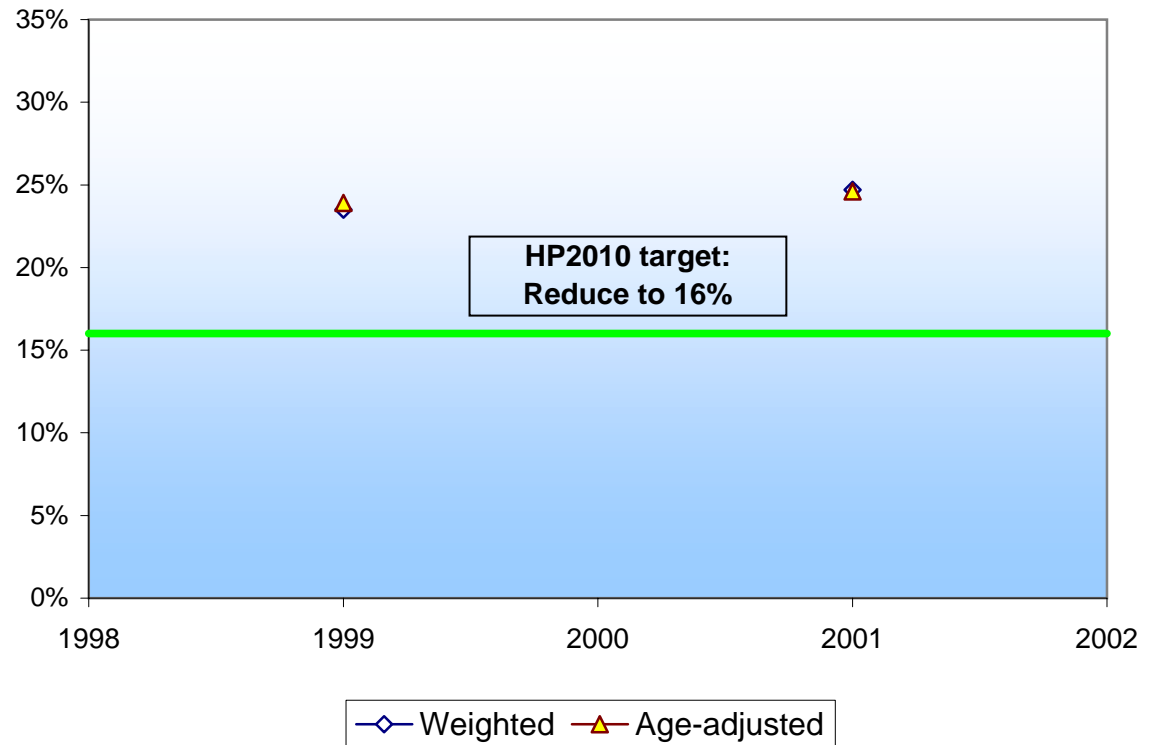
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		64		137	
DO NOT HAVE		88		147	
TOTAL		152		284	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		35.2		49.7	
C.I (95%)		(26.1 - 45.5)		(41.1 - 58.4)	
Age-adjusted percent		21.9		32.2	
C.I (95%)		(14.4 - 31.9)		(25.4 - 39.9)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-9/ Supplement 10**

**Percent of adults aged 20+ who have high blood pressure  
Honolulu county, Hawaii, 1998-2002**



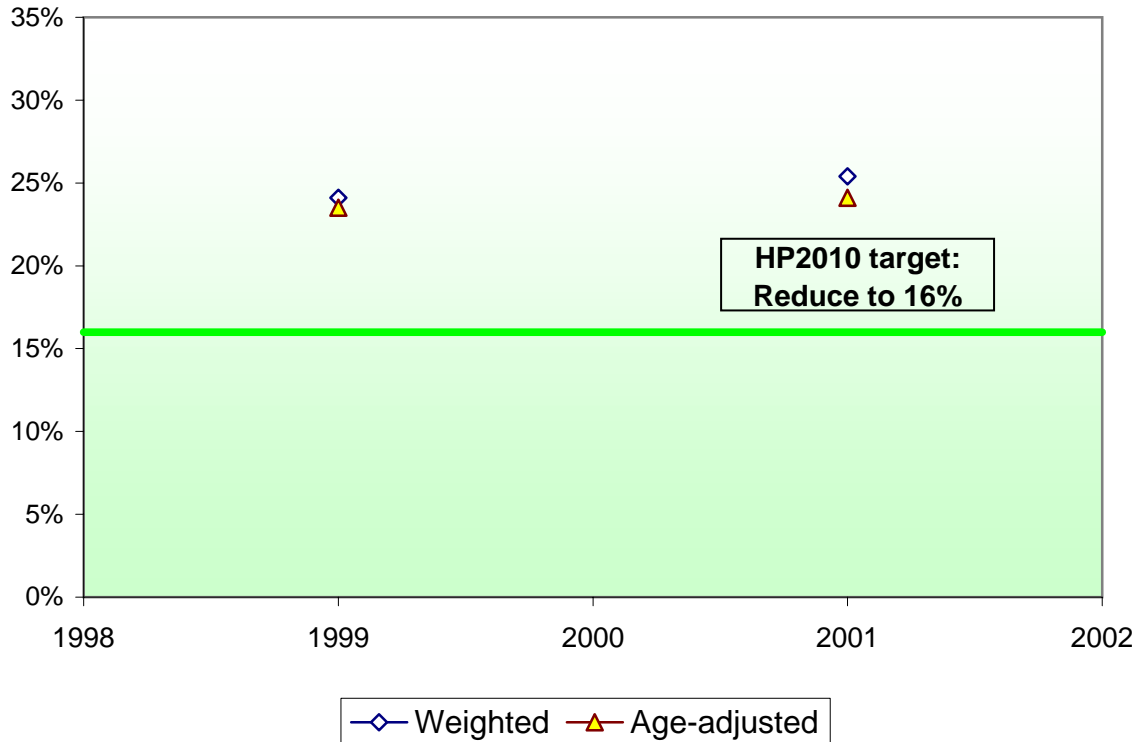
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		219		451	
DO NOT HAVE		761		1424	
TOTAL		980		1875	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		23.5		24.7	
C.I (95%)		(20.5 - 26.9)		(22.4 - 27.1)	
Age-adjusted percent		23.9		24.6	
C.I (95%)		(21.0 - 27.0)		(22.6 - 26.7)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-9/ Supplement 11**

**Percent of adults aged 20+ who have high blood pressure  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		131		254	
DO NOT HAVE		385		741	
TOTAL		516		995	

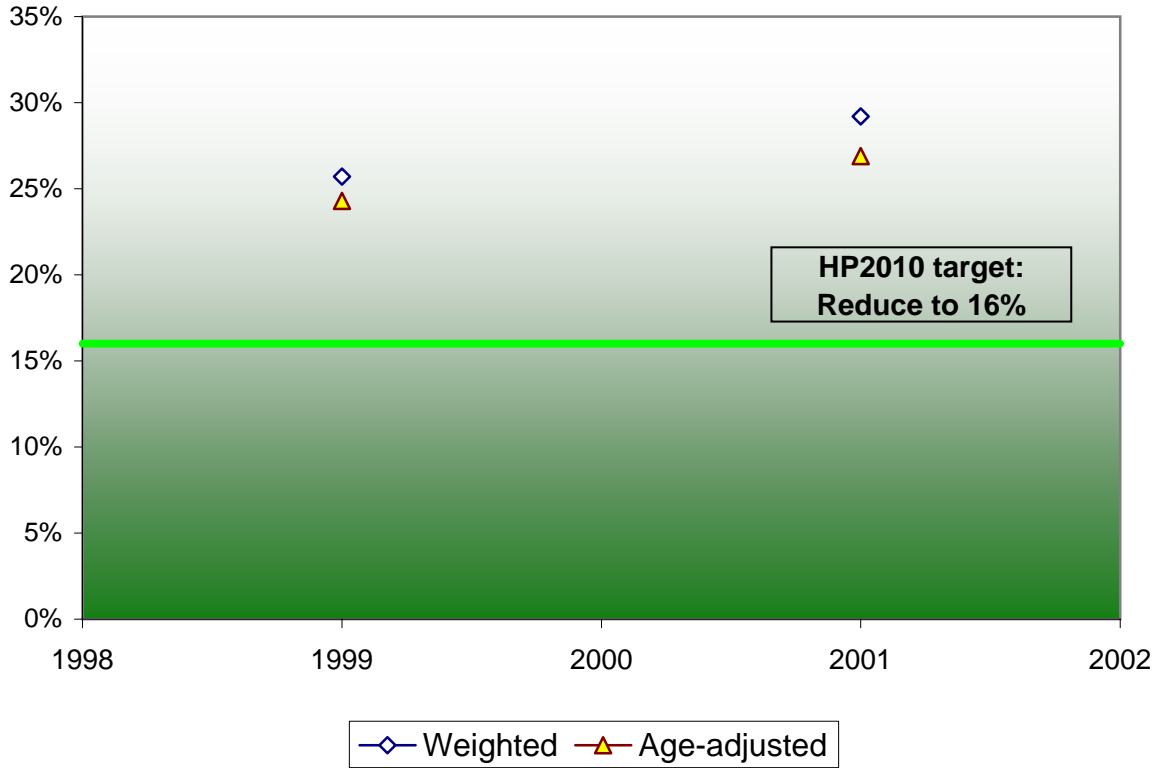
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		24.1		25.4	
C.I (95%)		(20.1 - 28.5)		(22.5 - 28.6)	
Age-adjusted percent		23.5		24.1	
C.I (95%)		(19.8 - 27.6)		(21.5 - 26.9)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-9/ Supplement 12**

**Percent of adults aged 20+ who have high blood pressure  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		58		150	
DO NOT HAVE		145		392	
TOTAL		203		542	

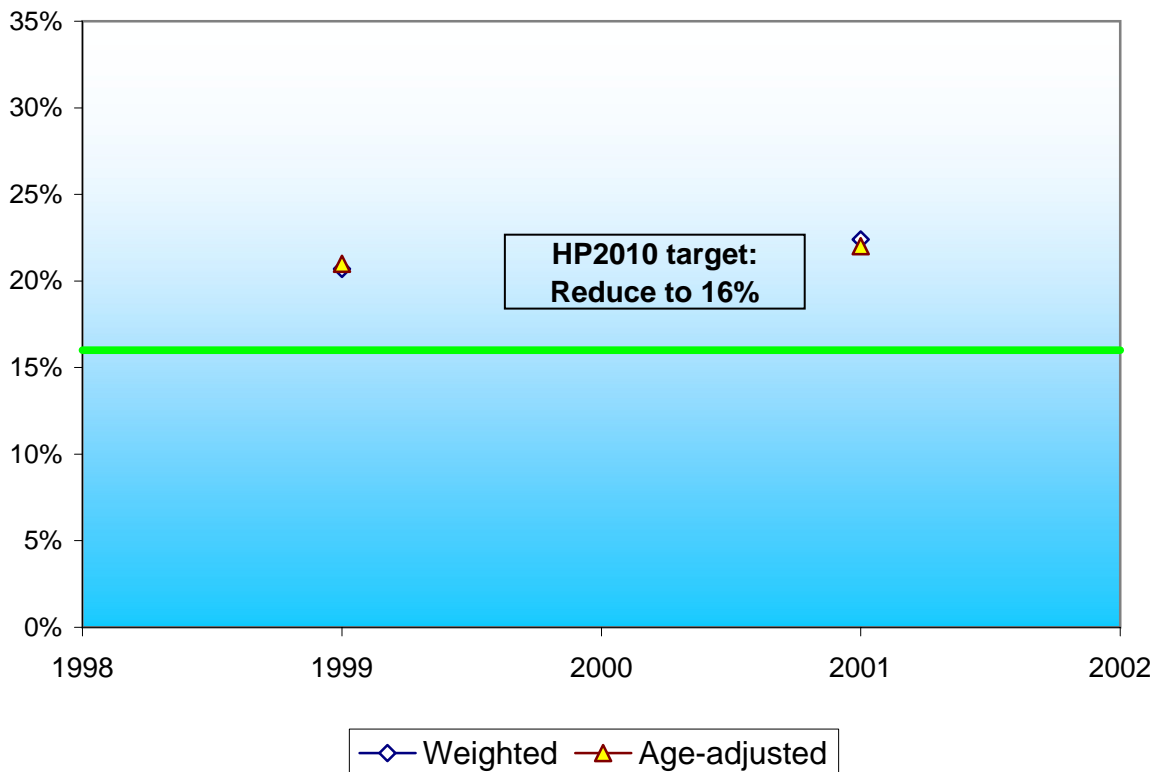
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		25.7		29.2	
C.I (95%)		(19.6 - 33.0)		(24.5 - 34.5)	
Age-adjusted percent		24.3		26.9	
C.I (95%)		(19.8 - 30.6)		(23.3 - 30.7)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-9/ Supplement 13**

**Percent of adults aged 20+ who have high blood pressure  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		78		227	
DO NOT HAVE		329		770	
TOTAL		407		997	

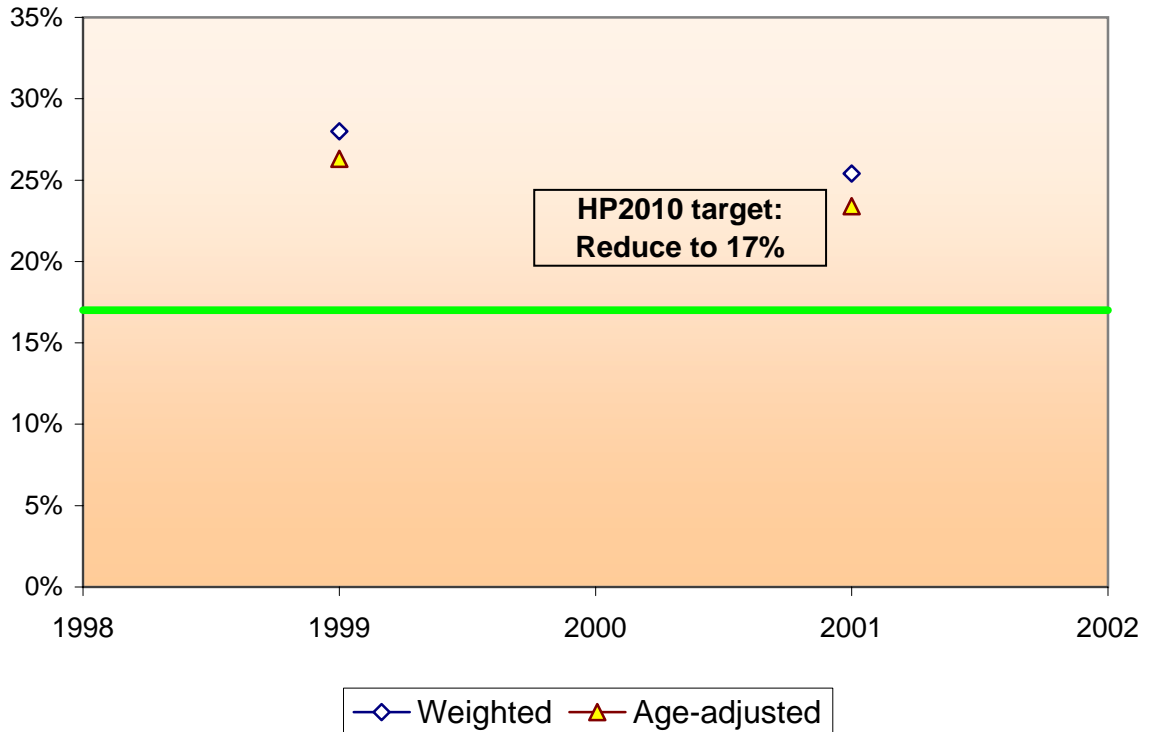
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		20.7		22.4	
C.I (95%)		(16.5 - 25.8)		(19.4 - 25.8)	
Age-adjusted percent		21.0		22.0	
C.I (95%)		(17.0 - 25.6)		(19.1 - 25.2)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-14

**Percent of adults aged 20+ who have high total blood cholesterol levels  
Hawaii, 1998-2002**



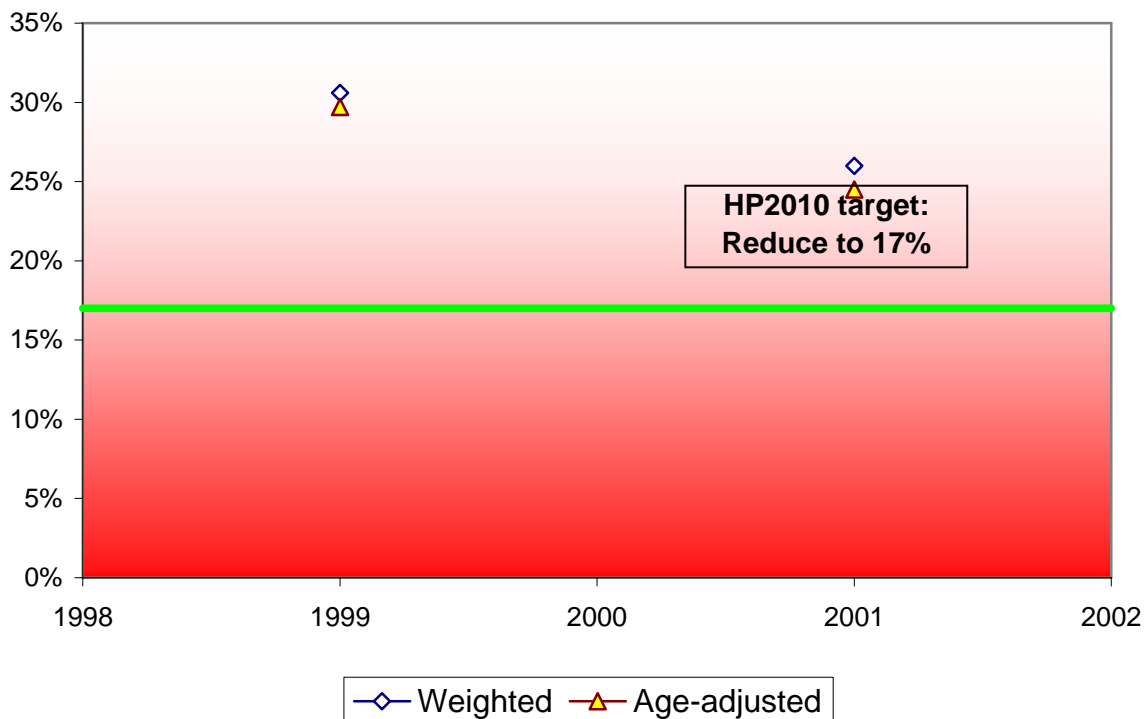
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		390		883	
DO NOT HAVE		1064		2584	
TOTAL		1454		3467	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		28.0		25.4	
C.I (95%)		(24.9 - 31.3)		(23.5 - 27.5)	
Age-adjusted percent		26.3		23.4	
C.I (95%)		(23.4 - 29.5)		(21.6 - 25.4)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-14/ Supplement 1

**Percent of men aged 20+ who have high total blood cholesterol levels  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		204		378	
DO NOT HAVE		461		1088	
TOTAL		665		1466	

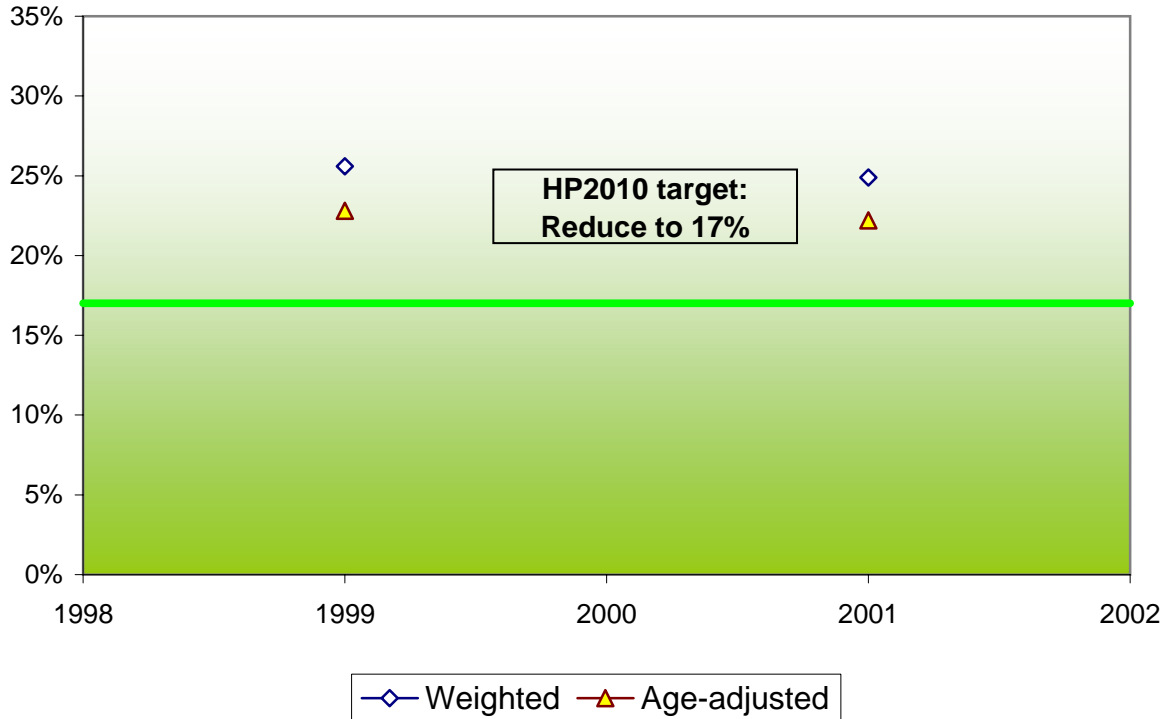
PERCENT	1998	1999	2000	2001	2002
Weighted percent		30.6		26.0	
C.I (95%)		(26.2 - 35.4)		(23.1 - 29.1)	
Age-adjusted percent		29.7		24.5	
C.I (95%)		(25.4 - 34.4)		(21.8 - 27.5)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 12-14/ Supplement 2

**Percent of women aged 20+ who have high total blood cholesterol levels  
Hawaii, 1998-2002**



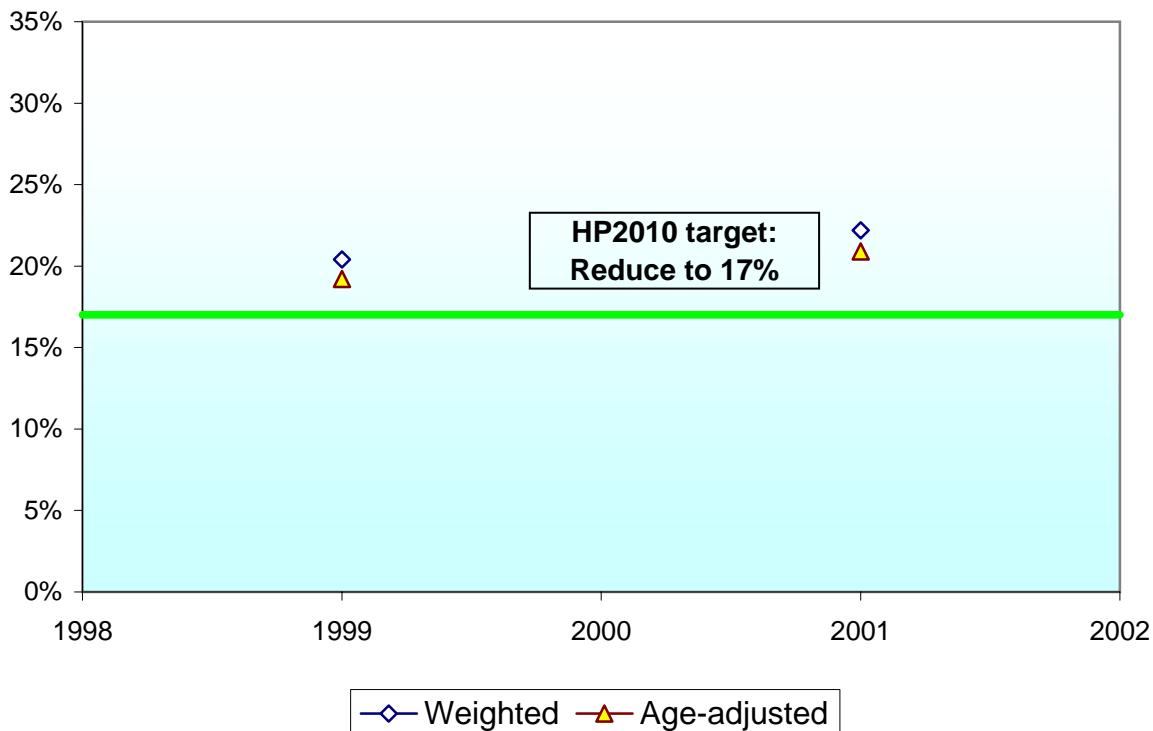
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		186		505	
DO NOT HAVE		603		1496	
TOTAL		789		2001	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		25.6		24.9	
C.I (95%)		(21.4 - 30.2)		(22.4 - 27.6)	
Age-adjusted percent		22.8		22.2	
C.I (95%)		(19.1 - 27.0)		(19.9 - 24.6)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-14/ Supplement 3**

**Percent of White adults aged 20+ who have high total blood cholesterol levels  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		75		346	
DO NOT HAVE		282		1124	
TOTAL		357		1470	

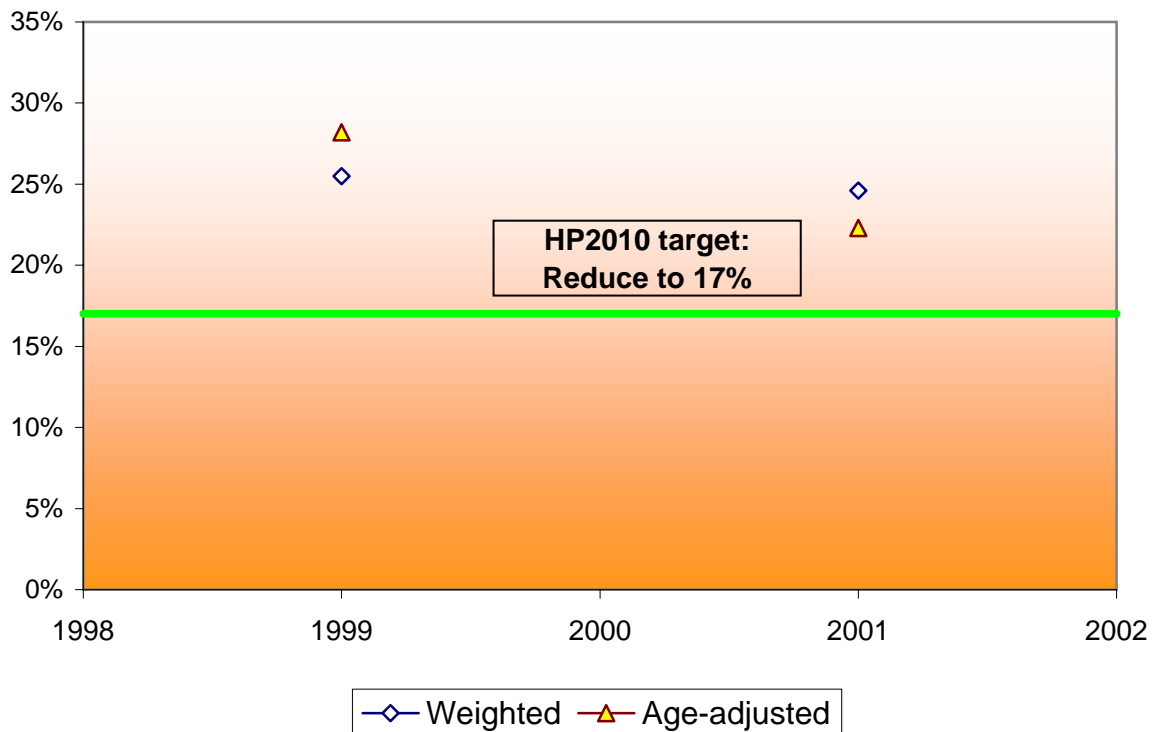
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		20.4		22.2	
C.I (95%)		(15.0 - 27.1)		(19.5 - 25.1)	
Age-adjusted percent		19.2		20.9	
C.I (95%)		(14.5 - 24.9)		(18.3 - 23.8)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-14/ Supplement 4

**Percent of Hawaiians aged 20+ who have high total blood cholesterol levels  
Hawaii, 1998-2002**



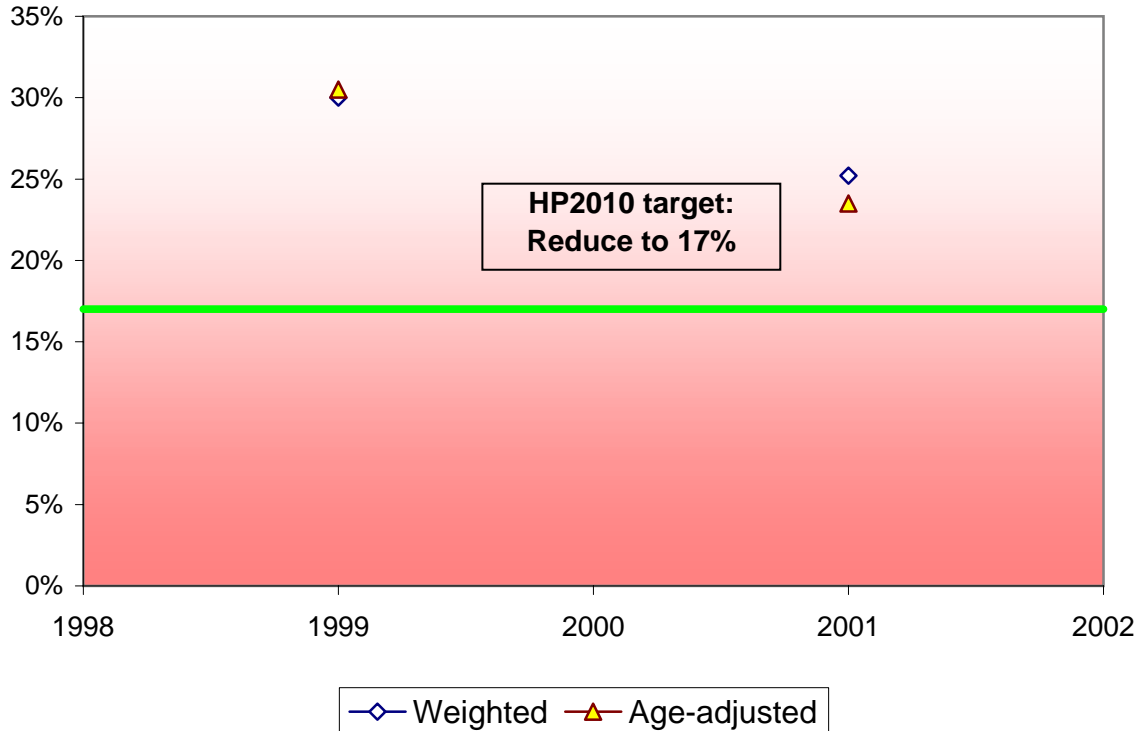
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		28		98	
DO NOT HAVE		104		305	
TOTAL		132		403	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		25.5		24.6	
C.I (95%)		(16.3 - 37.4)		(19.2 - 30.9)	
Age-adjusted percent		28.2		22.3	
C.I (95%)		(19.9 - 38.3)		(17.7 - 27.6)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-14/ Supplement 5

**Percent of Filipinos aged 20+ who have high total blood cholesterol levels  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		30		94	
DO NOT HAVE		74		299	
TOTAL		104		393	

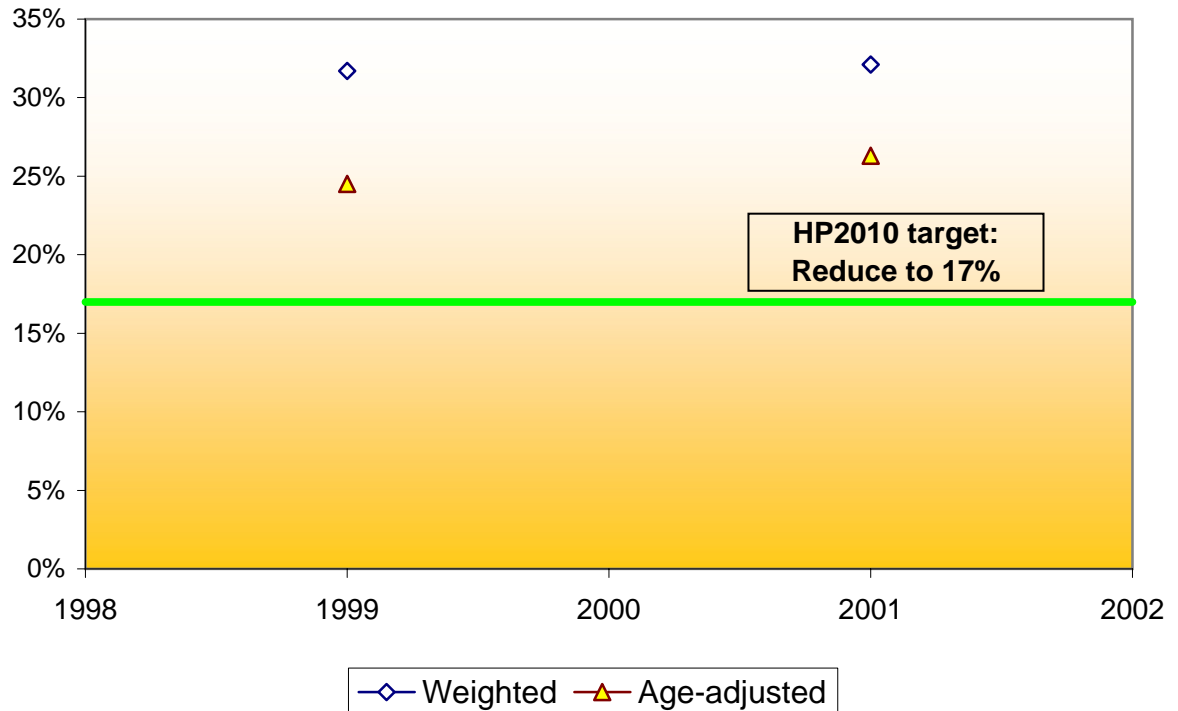
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		30.0		25.2	
C.I (95%)		(18.2 - 45.2)		(19.3 - 32.3)	
Age-adjusted percent		30.5		23.5	
C.I (95%)		(20.2 - 43.2)		(18.1 - 29.9)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-14/ Supplement 6**

**Percent of Japanese aged 20+ who have high total blood cholesterol levels  
Hawaii, 1998-2002**



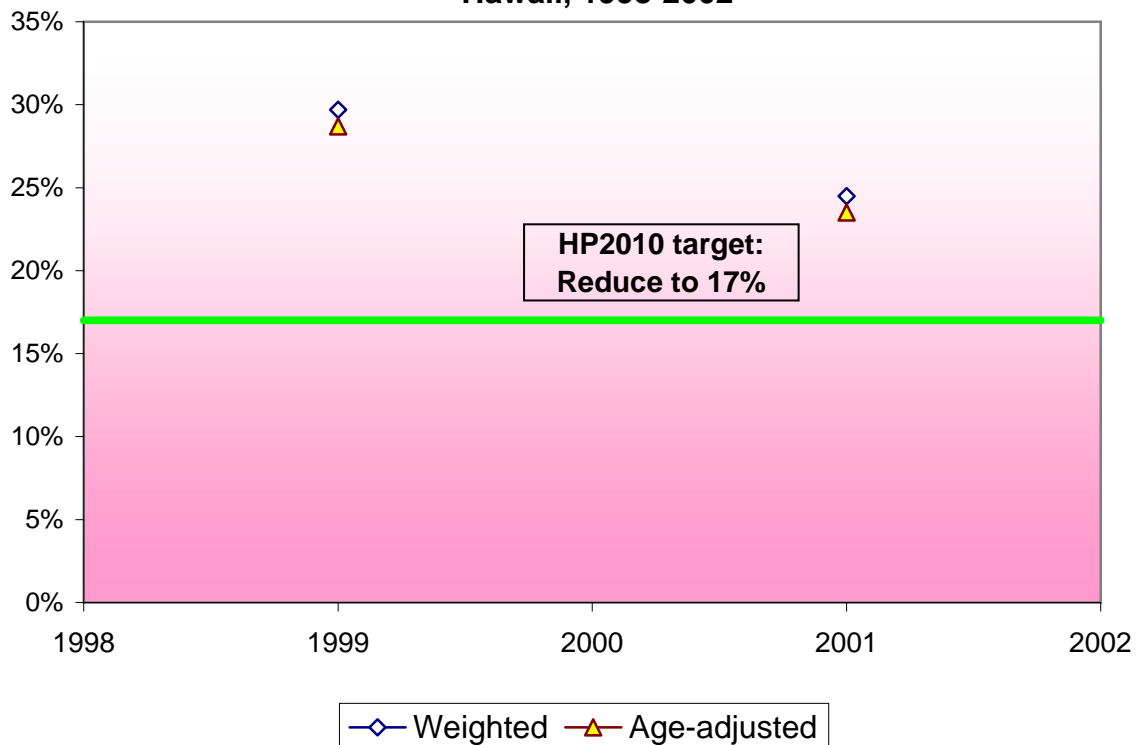
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		90		228	
DO NOT HAVE		184		482	
TOTAL		274		710	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		31.7		32.1	
C.I (95%)		(25.2 - 38.9)		(27.8 - 36.7)	
Age-adjusted percent		24.5		26.3	
C.I (95%)		(19.6 - 30.1)		(22.5 - 30.5)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-14/ Supplement 7

**Percent of adults of other races aged 20+ who have high total blood cholesterol levels  
Hawaii, 1998-2002**



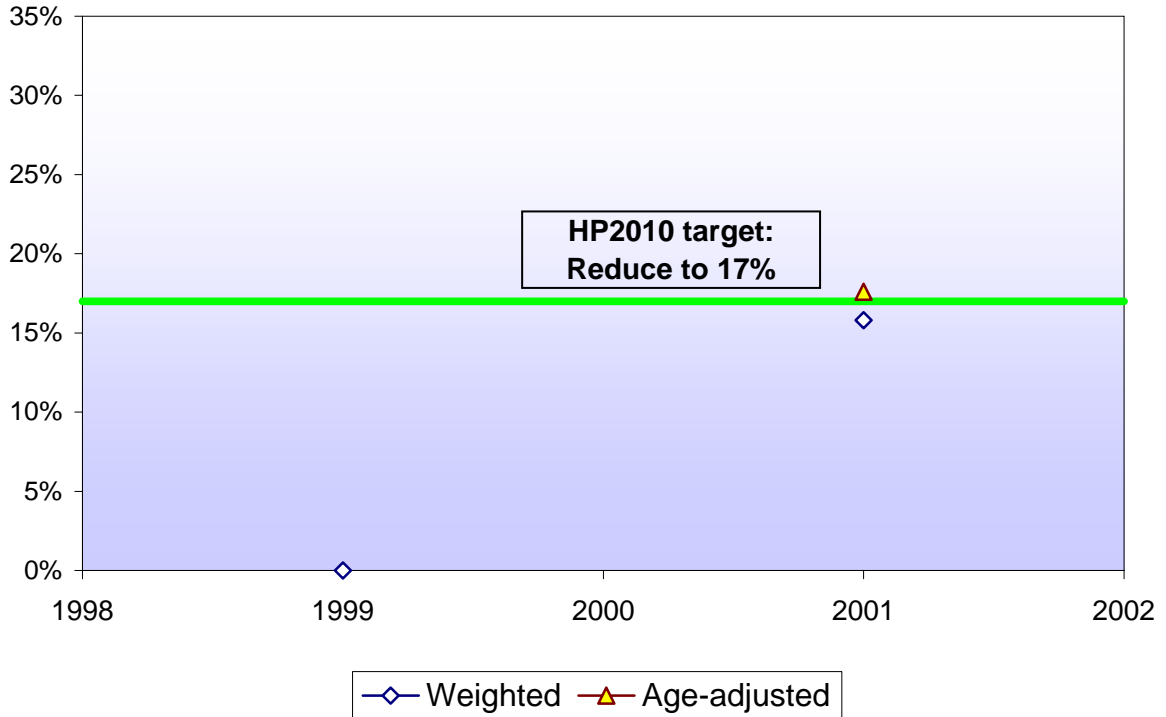
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		167		117	
DO NOT HAVE		420		374	
TOTAL		587		491	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		29.7		24.5	
C.I (95%)		(25.1 - 34.8)		(19.8 - 29.8)	
Age-adjusted percent		28.7		23.5	
C.I (95%)		(24.3 - 33.5)		(19.4 - 28.5)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-14/ Supplement 8**

**Percent of adults aged 20+ in low income household who have high total blood cholesterol levels  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE				20	
DO NOT HAVE				91	
TOTAL				111	

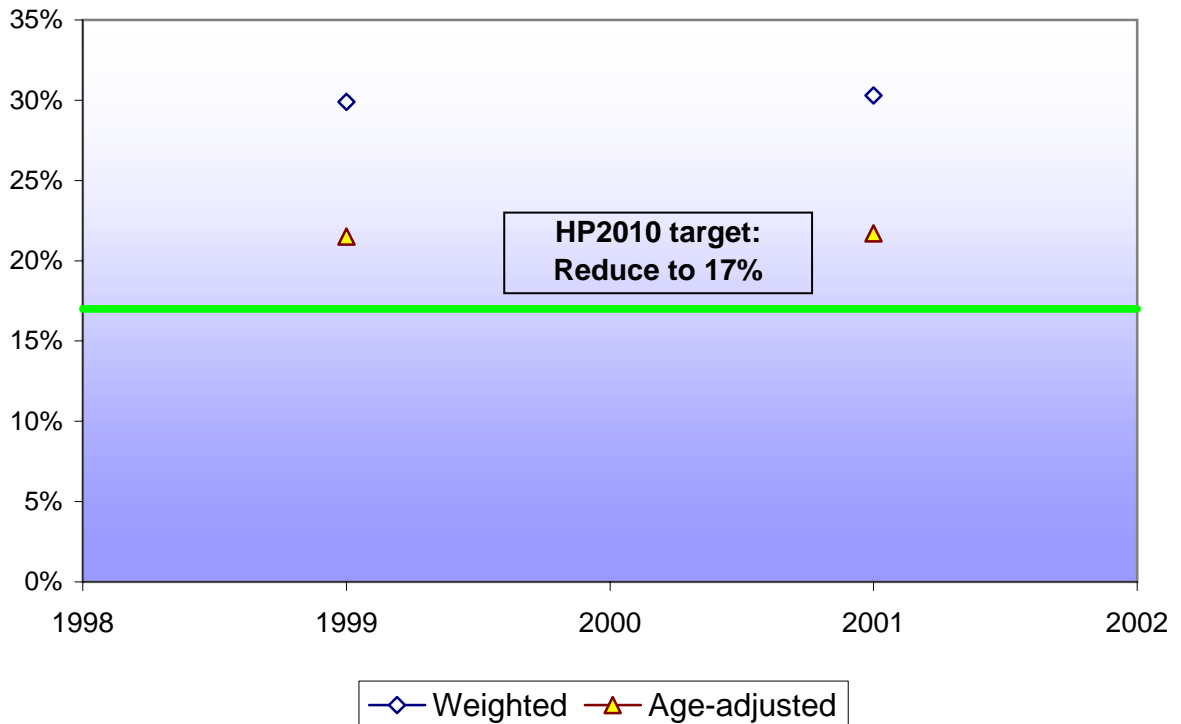
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent				15.8	
C.I (95%)				(8.9 - 26.4)	
Age-adjusted percent				17.6	
C.I (95%)				(10.2 - 28.7)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-14/ Supplement 9

**Percent of adults with less education who have high total blood cholesterol levels  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		36		71	
DO NOT HAVE		74		147	
TOTAL		110		218	

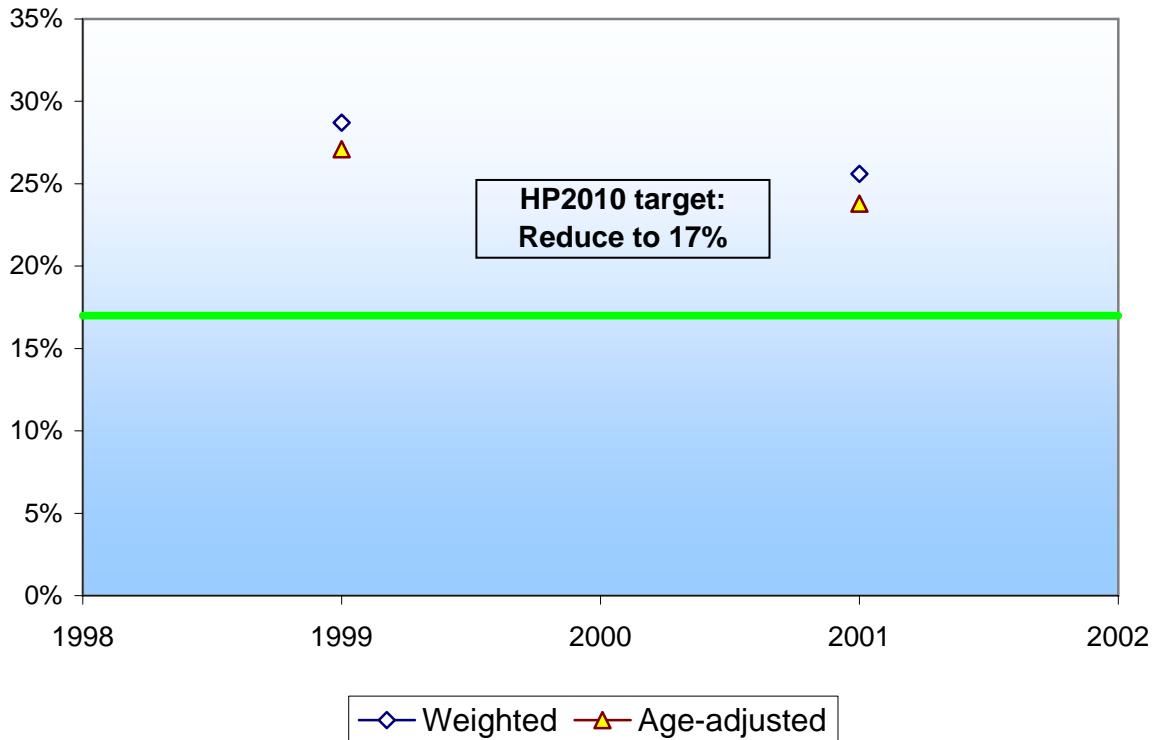
PERCENT	1998	1999	2000	2001	2002
Weighted percent		29.9		30.3	
C.I (95%)		(20.1 - 42.1)		(22.6 - 39.3)	
Age-adjusted percent		21.5		21.7	
C.I (95%)		(11.8 - 36.0)		(14.3 - 31.6)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 12-14/ Supplement 10

**Percent of adults aged 20+ who have high total blood cholesterol levels  
Honolulu county, Hawaii, 1998-2002**



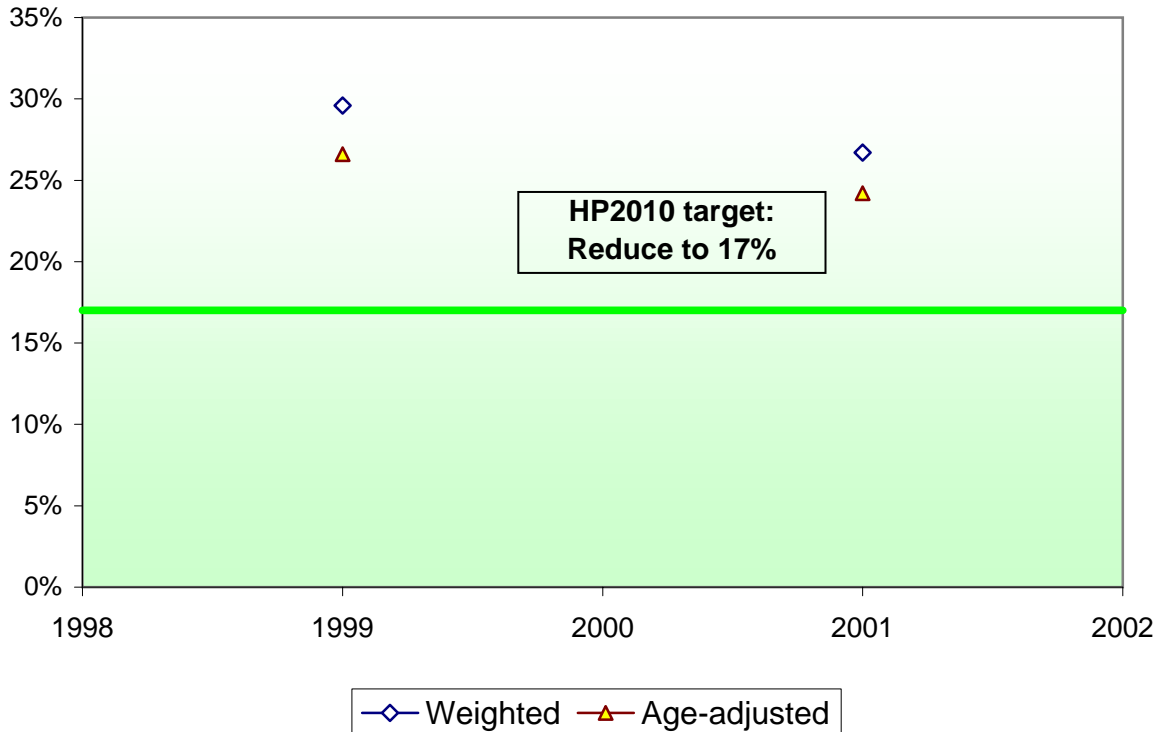
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		187		380	
DO NOT HAVE		507		1125	
TOTAL		694		1505	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		28.7		25.6	
C.I (95%)		(24.8 - 32.9)		(23.1 - 28.2)	
Age-adjusted percent		27.1		23.8	
C.I (95%)		(23.4 - 31.1)		(21.5 - 26.3)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-14/ Supplement 11

**Percent of adults aged 20+ who have high total blood cholesterol levels  
Hawaii county, Hawaii, 1998-2002**



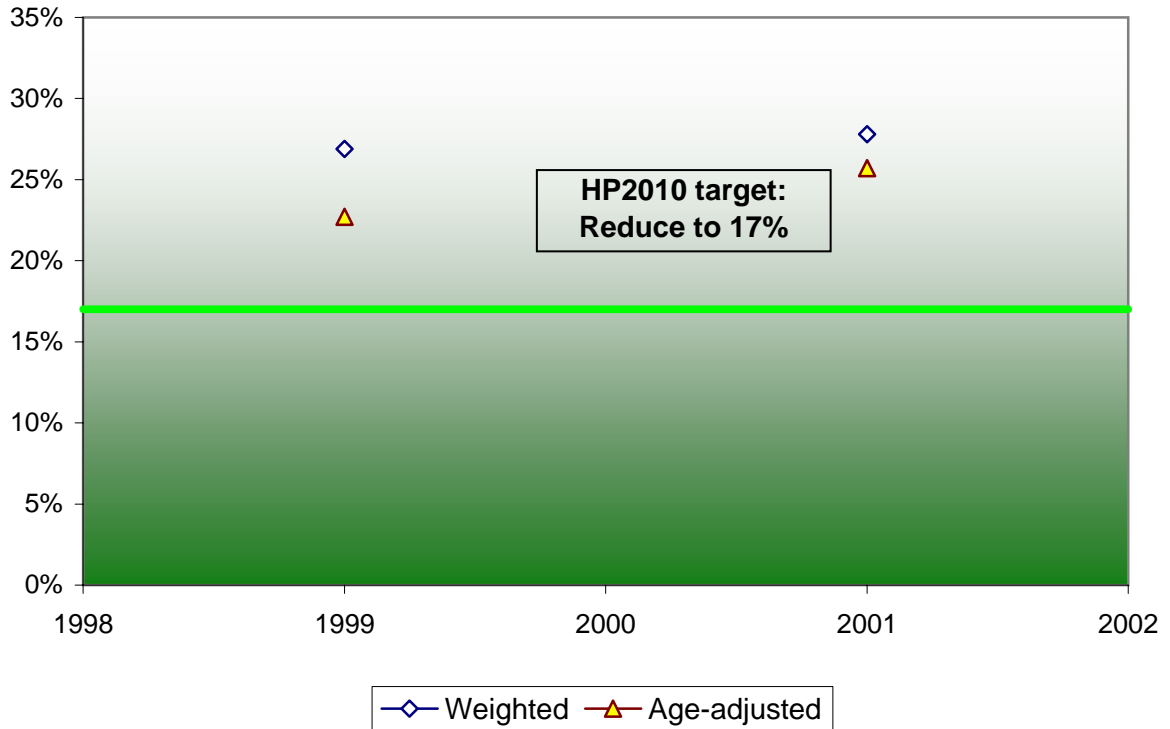
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		101		205	
DO NOT HAVE		245		562	
TOTAL		346		767	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		29.6		26.7	
C.I (95%)		(24.4 - 35.3)		(23.3 - 30.3)	
Age-adjusted percent		26.6		24.2	
C.I (95%)		(21.8 - 32.1)		(20.9 - 27.8)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-14/ Supplement 12

**Percent of adults aged 20+ who have high total blood cholesterol levels  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		41		114	
DO NOT HAVE		102		299	
TOTAL		143		413	

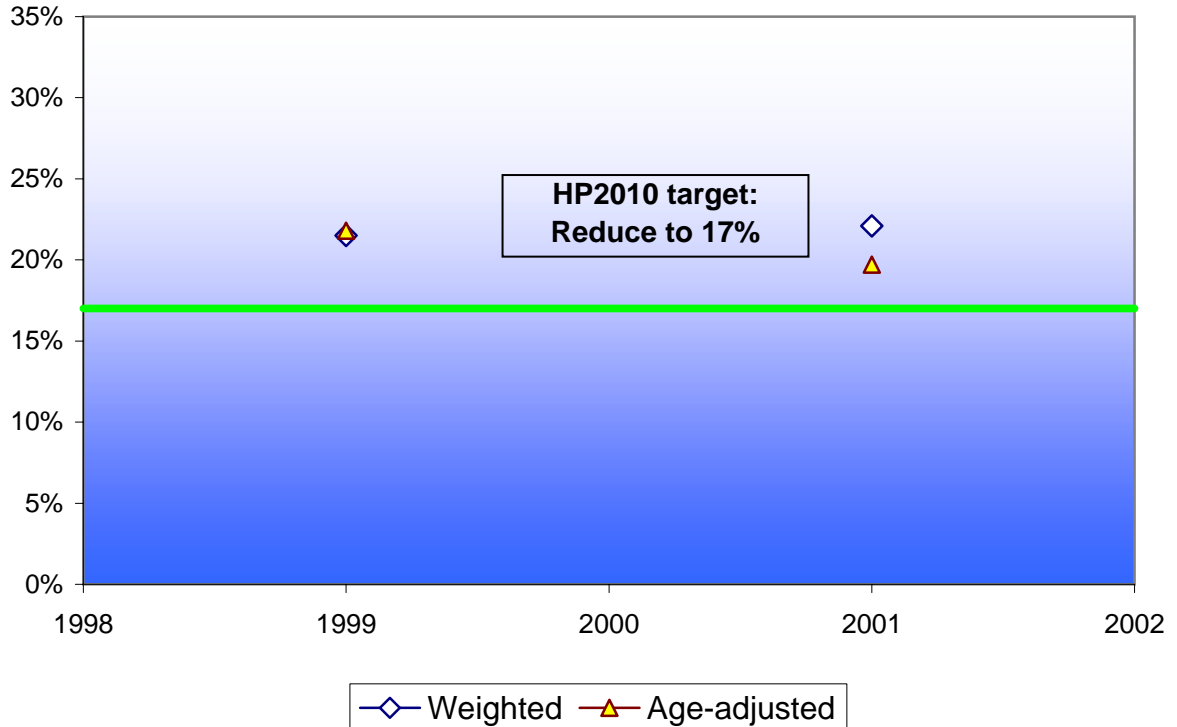
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		26.9		27.8	
C.I (95%)		(19.2 - 36.1)		(23.1 - 33.2)	
Age-adjusted percent		22.7		25.7	
C.I (95%)		(16.3 - 30.6)		(20.5 - 31.8)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-14/ Supplement 13

**Percent of adults aged 20+ who have high total blood cholesterol levels  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		61		184	
DO NOT HAVE		210		598	
TOTAL		271		782	

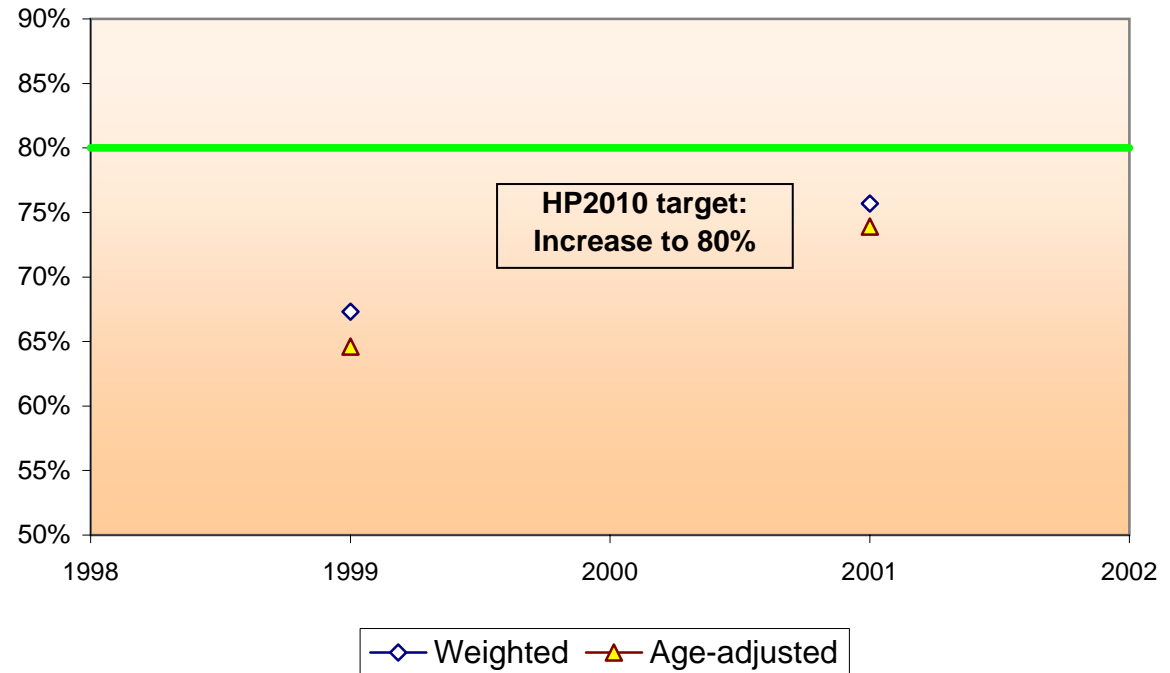
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		21.5		22.1	
C.I (95%)		(16.3 - 27.9)		(19.0 - 25.6)	
Age-adjusted percent		21.8		19.7	
C.I (95%)		(16.1 - 28.8)		(16.9 - 22.9)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-15

**Percent of adults aged 18+ who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



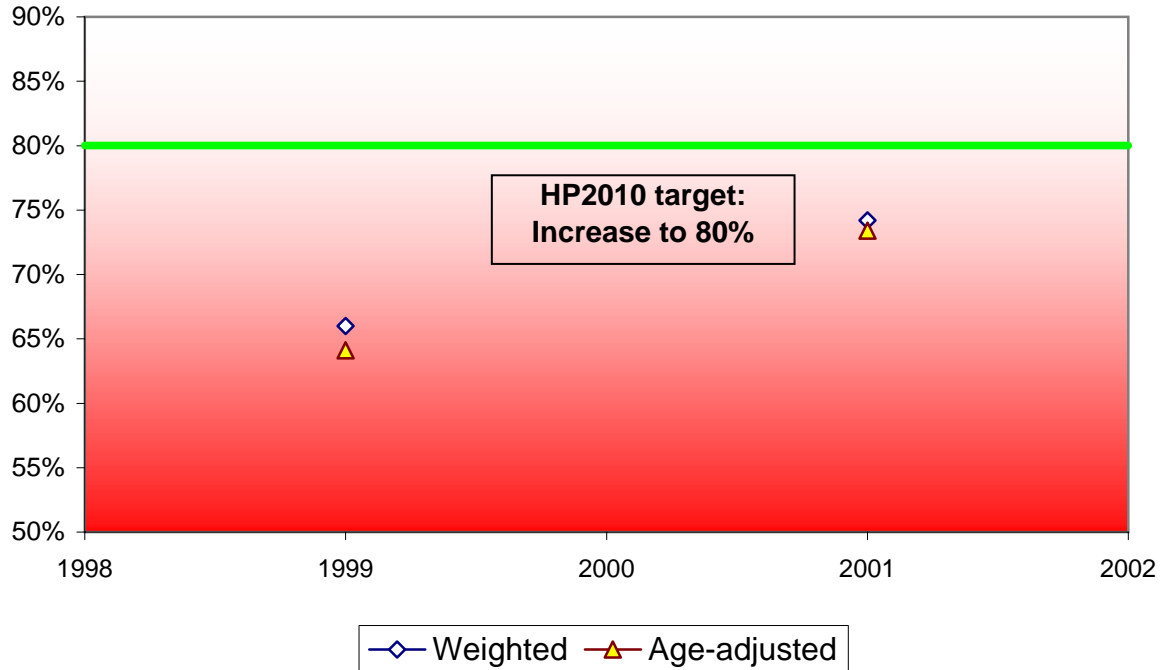
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		1402		3365	
DO NOT HAVE		673		1044	
TOTAL		2075		4409	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		67.3		75.7	
C.I (95%)		(64.5 - 69.9)		(73.9 - 77.4)	
Age-adjusted percent		64.6		73.9	
C.I (95%)		(62.0 - 67.1)		(72.2 - 75.6)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-15/ Supplement 1

**Percent of men aged 18+ who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		646		1412	
DO NOT HAVE		312		491	
TOTAL		958		1903	

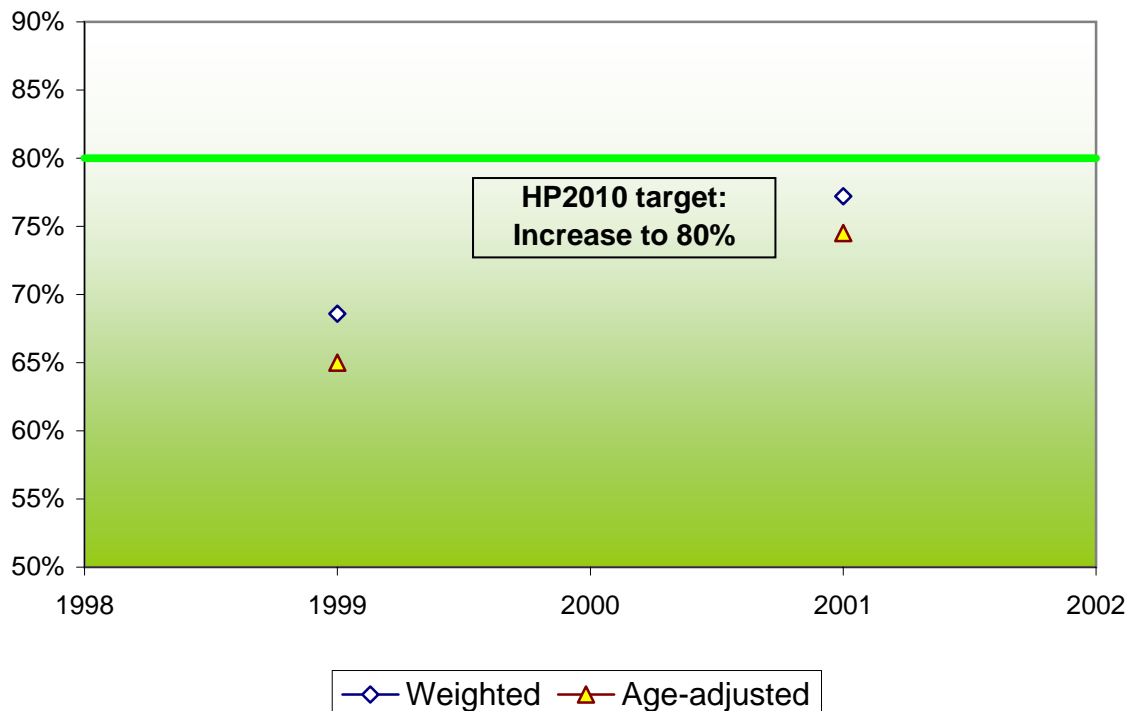
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		66.0		74.2	
C.I (95%)		(61.7 - 70.0)		(71.5 - 76.8)	
Age-adjusted percent		64.1		73.4	
C.I (95%)		(60.3 - 67.8)		(70.9 - 75.8)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-15/ Supplement 2

**Percent of women aged 18+ who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



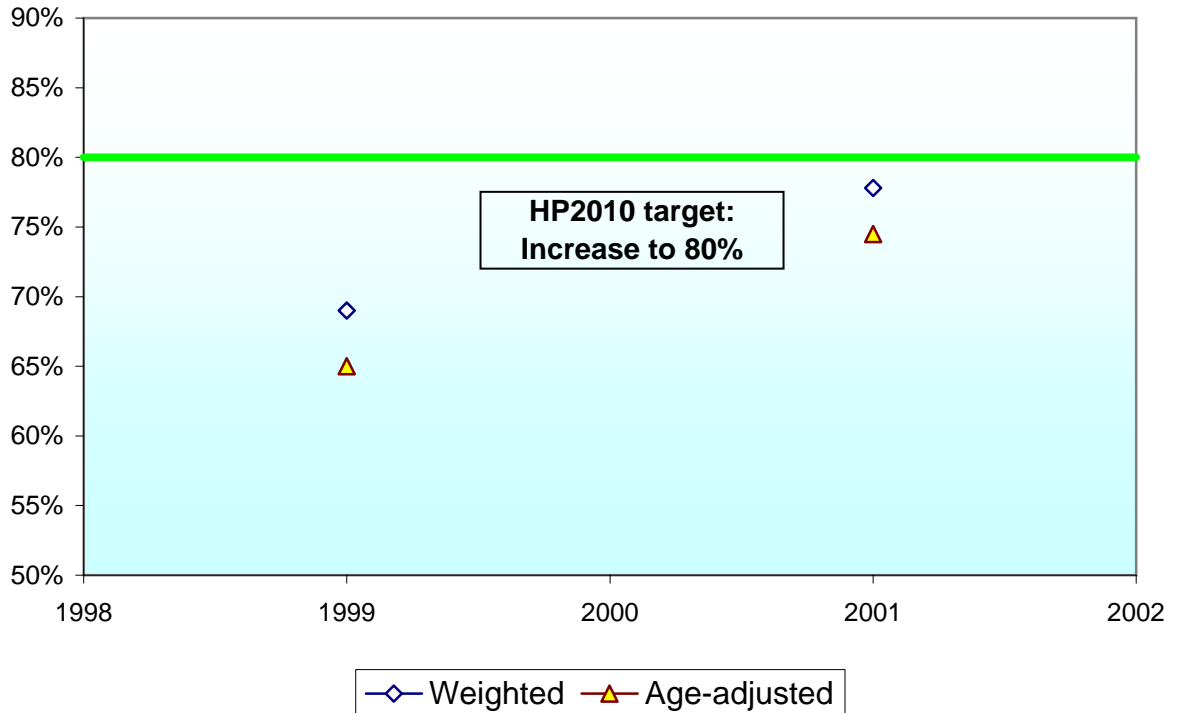
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		756		1953	
DO NOT HAVE		361		553	
TOTAL		1117		2506	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		68.6		77.2	
C.I (95%)		(64.9 - 72.0)		(74.9 - 79.4)	
Age-adjusted percent		65.0		74.5	
C.I (95%)		(61.6 - 68.2)		(72.1 - 76.7)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-15/ Supplement 3

**Percent of White adults aged 18+ who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		340		1398	
DO NOT HAVE		140		416	
TOTAL		480		1814	

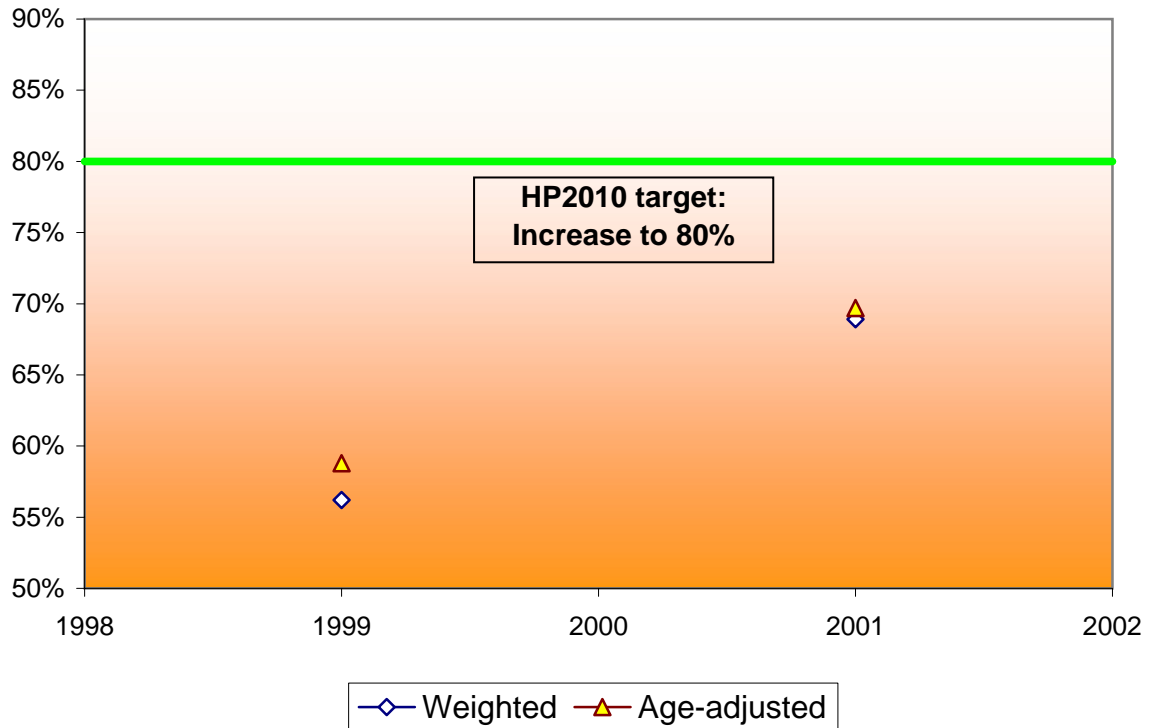
PERCENT	1998	1999	2000	2001	2002
Weighted percent		69.0		77.8	
C.I (95%)		(63.1 - 74.4)		(75.0 - 80.3)	
Age-adjusted percent		65.3		75.4	
C.I (95%)		(60.4 - 70.0)		(72.7 - 78.0)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 12-15/ Supplement 4

**Percent of Hawaiians aged 18+ who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



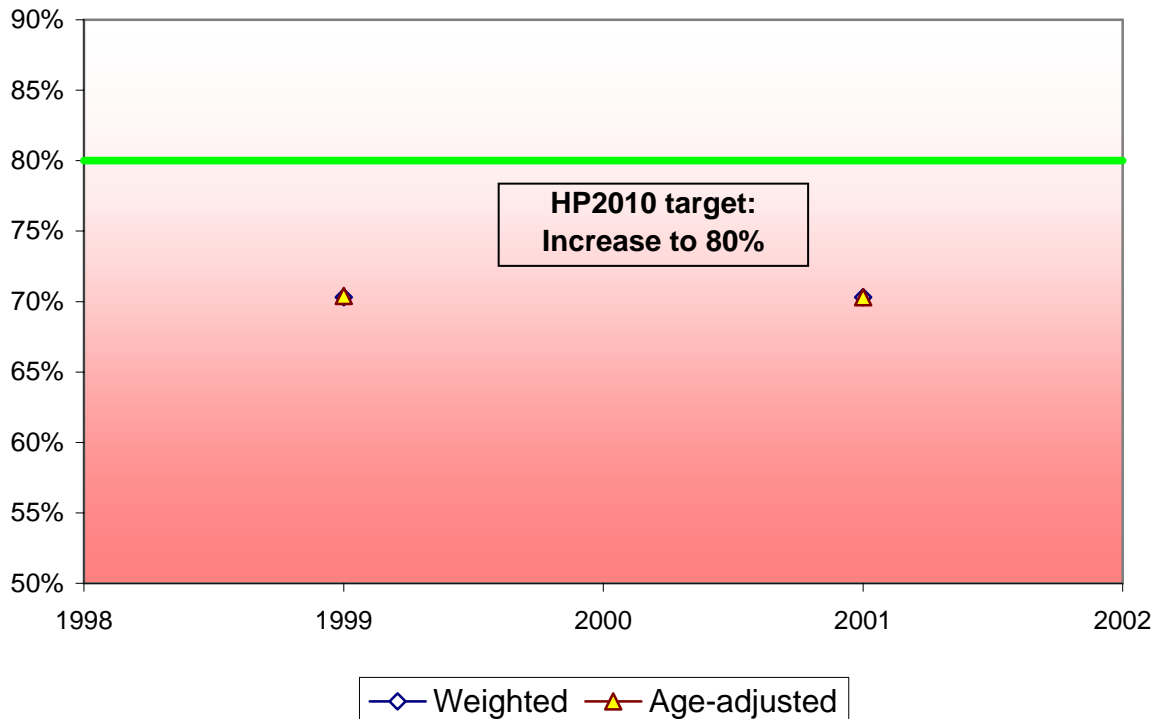
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		128		403	
DO NOT HAVE		77		169	
TOTAL		205		572	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		56.2		68.9	
C.I (95%)		(46.7 - 65.3)		(63.5 - 73.8)	
Age-adjusted percent		58.8		69.7	
C.I (95%)		(50.8 - 66.4)		(65.0 - 74.1)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-15/ Supplement 5**

**Percent of Filipinos aged 18+ who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		102		388	
DO NOT HAVE		61		150	
TOTAL		163		538	

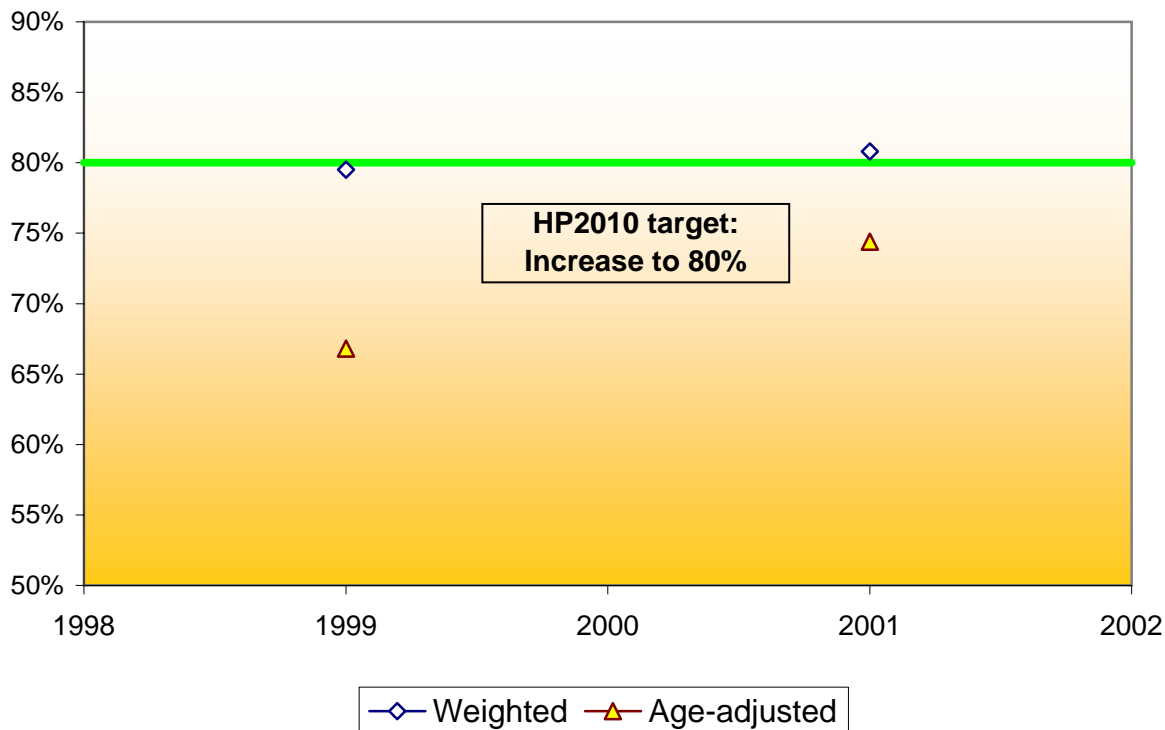
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		70.3		70.3	
C.I (95%)		(61.4 - 77.9)		(64.6 - 75.5)	
Age-adjusted percent		70.4		70.3	
C.I (95%)		(63.0 - 76.8)		(64.7 - 75.3)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-15/ Supplement 6

**Percent of Japanese aged 18+ who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		266		694	
DO NOT HAVE		66		161	
TOTAL		332		855	

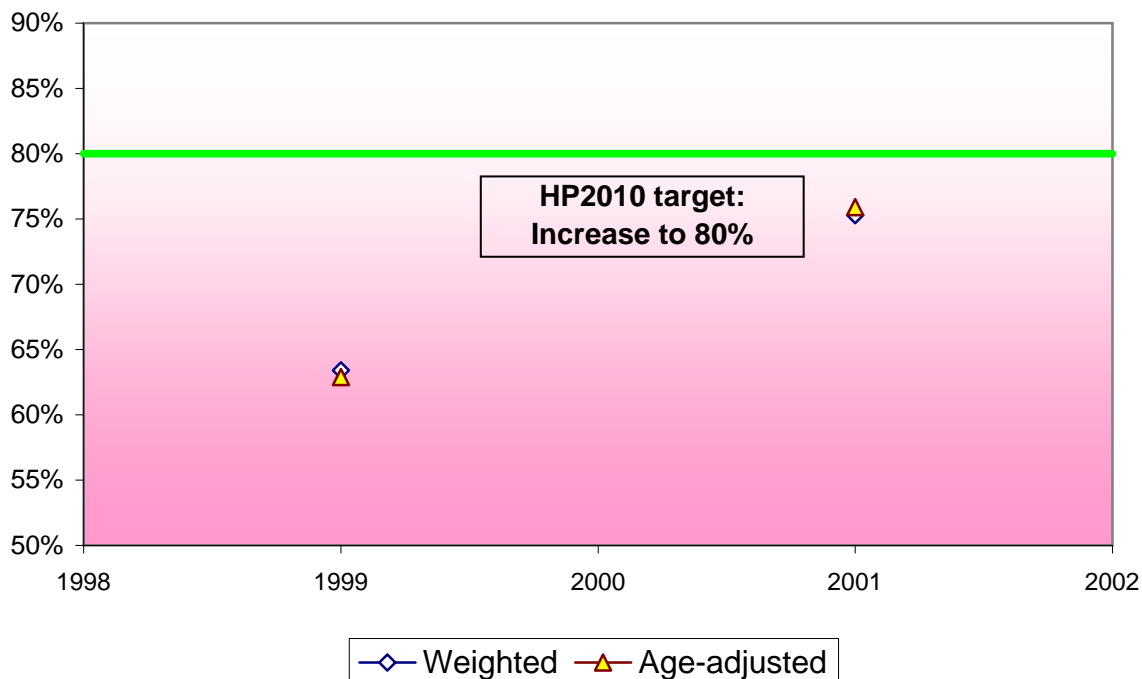
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		79.5		80.8	
C.I (95%)		(73.6 - 84.4)		(77.0 - 84.1)	
Age-adjusted percent		66.8		74.4	
C.I (95%)		(59.5 - 73.4)		(70.3 - 78.1)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-15/ Supplement 7

**Percent of adults of other races aged 18+ who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



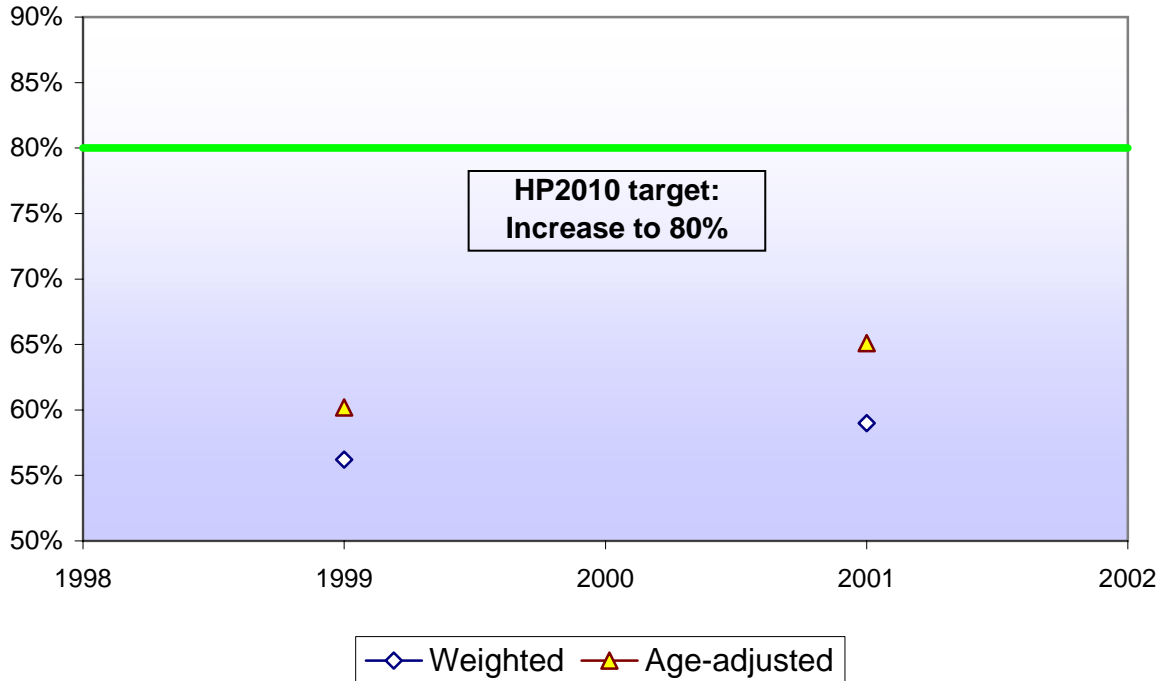
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		566		482	
DO NOT HAVE		329		148	
TOTAL		895		630	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		63.4		75.3	
C.I (95%)		(58.9 - 67.6)		(70.5 - 79.6)	
Age-adjusted percent		62.9		75.9	
C.I (95%)		(58.8 - 66.7)		(71.9 - 79.6)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-15/ Supplement 8**

**Percent of adults aged 18+ in low income household who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



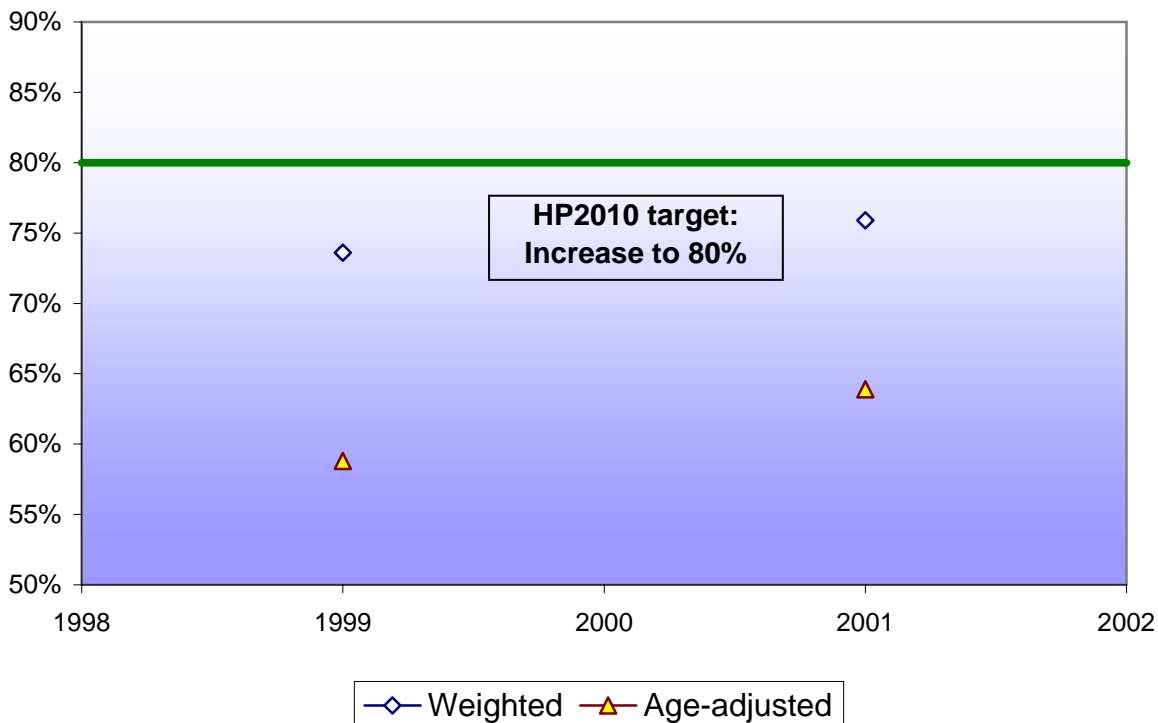
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		47		108	
DO NOT HAVE		43		81	
TOTAL		90		189	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		56.2		59.0	
C.I (95%)		(41.1 - 70.2)		(48.0 - 69.1)	
Age-adjusted percent		60.2		65.1	
C.I (95%)		(46.0 - 72.9)		(57.0 - 72.4)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 12-15/ Supplement 9**

**Percent of adults with less education who had blood cholesterol checked within the preceding 5 years  
Hawaii, 1998-2002**



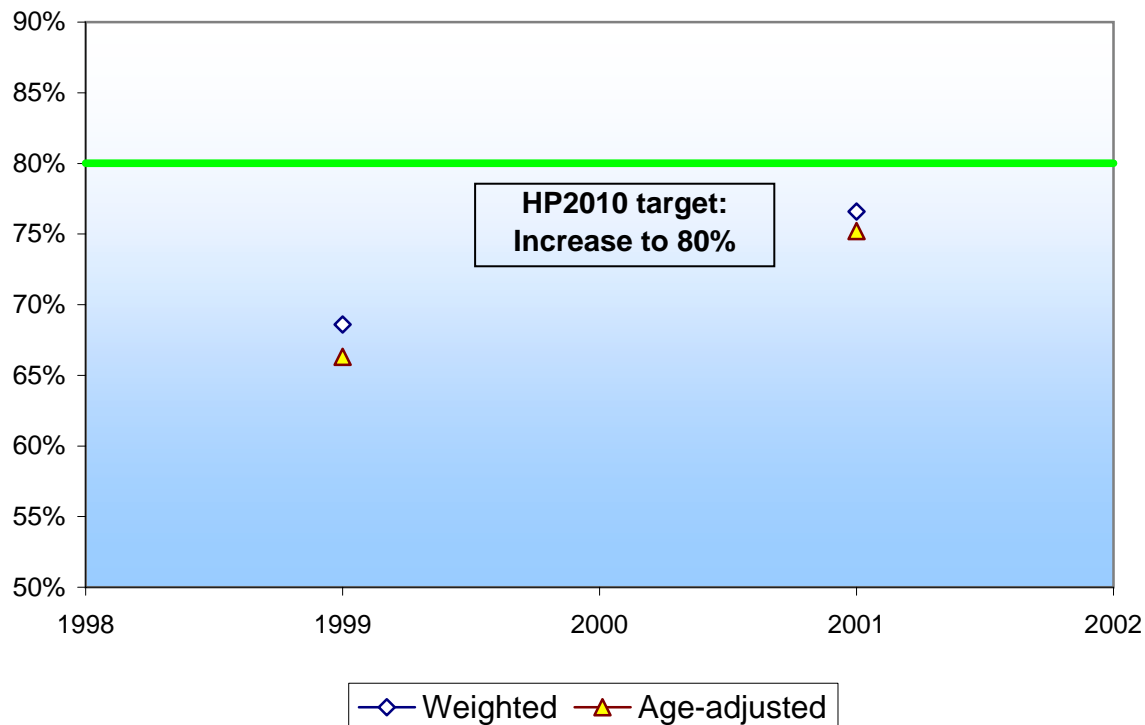
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		109		210	
DO NOT HAVE		39		65	
TOTAL		148		275	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		73.6		75.9	
C.I (95%)		(62.4 - 82.4)		(68.1 - 82.3)	
Age-adjusted percent		58.8		63.9	
C.I (95%)		(48.8 - 68.2)		(55.1 - 71.8)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-15/ Supplement 10

**Percent of adults aged 18+ who had blood cholesterol checked within the preceding 5 years  
Honolulu county, Hawaii, 1998-2002**



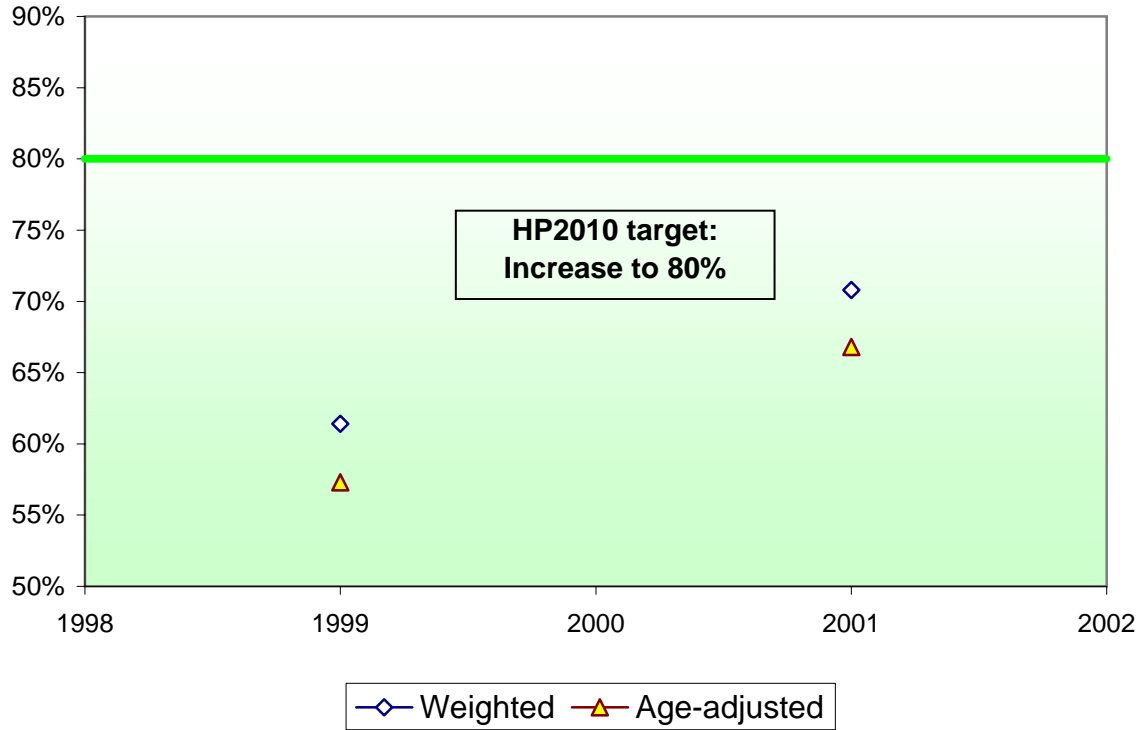
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		674		1465	
DO NOT HAVE		291		424	
TOTAL		965		1889	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		68.6		76.6	
C.I (95%)		(65.0 - 72.0)		(74.2 - 78.8)	
Age-adjusted percent		66.3		75.2	
C.I (95%)		(63.0 - 69.4)		(73.0 - 77.3)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-15/ Supplement 11

**Percent of adults aged 18+ who had blood cholesterol checked within the preceding 5 years  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		333		733	
DO NOT HAVE		175		257	
TOTAL		508		990	

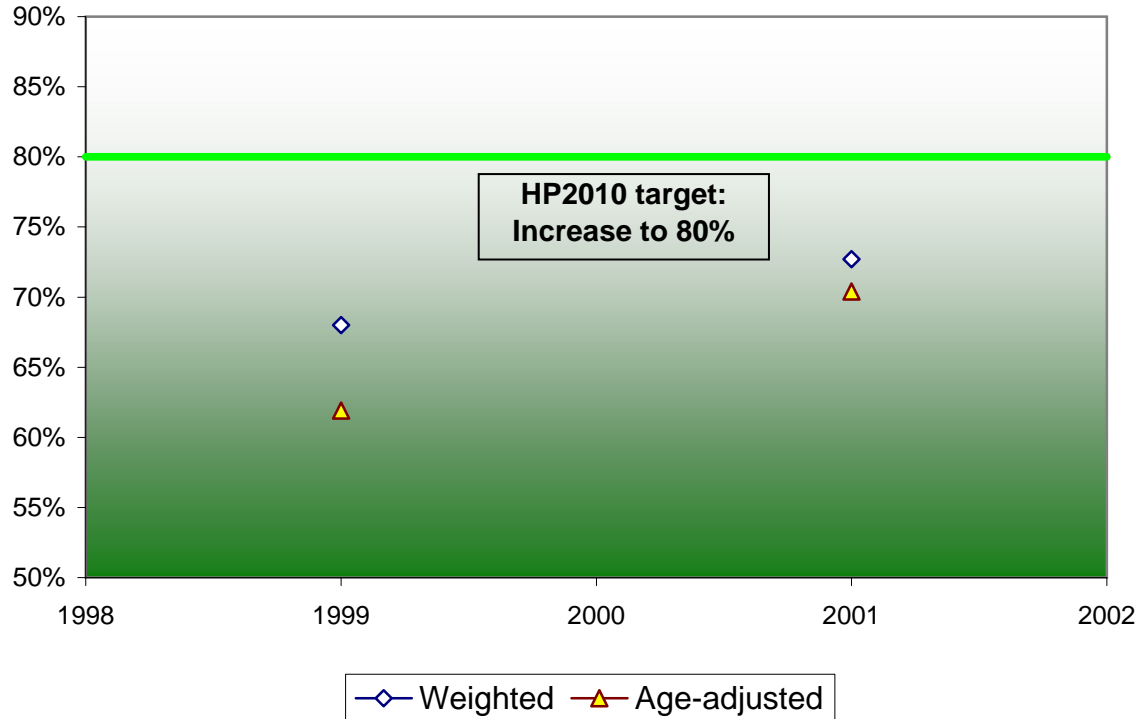
PERCENT	1998	1999	2000	2001	2002
Weighted percent		61.4		70.8	
C.I (95%)		(56.0 - 66.6)		(67.2 - 74.2)	
Age-adjusted percent		57.3		66.8	
C.I (95%)		(52.5 - 61.9)		(63.5 - 70.0)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 12-15/ Supplement 12

**Percent of adults aged 18+ who had blood cholesterol checked within the preceding 5 years  
Kauai county, Hawaii, 1998-2002**



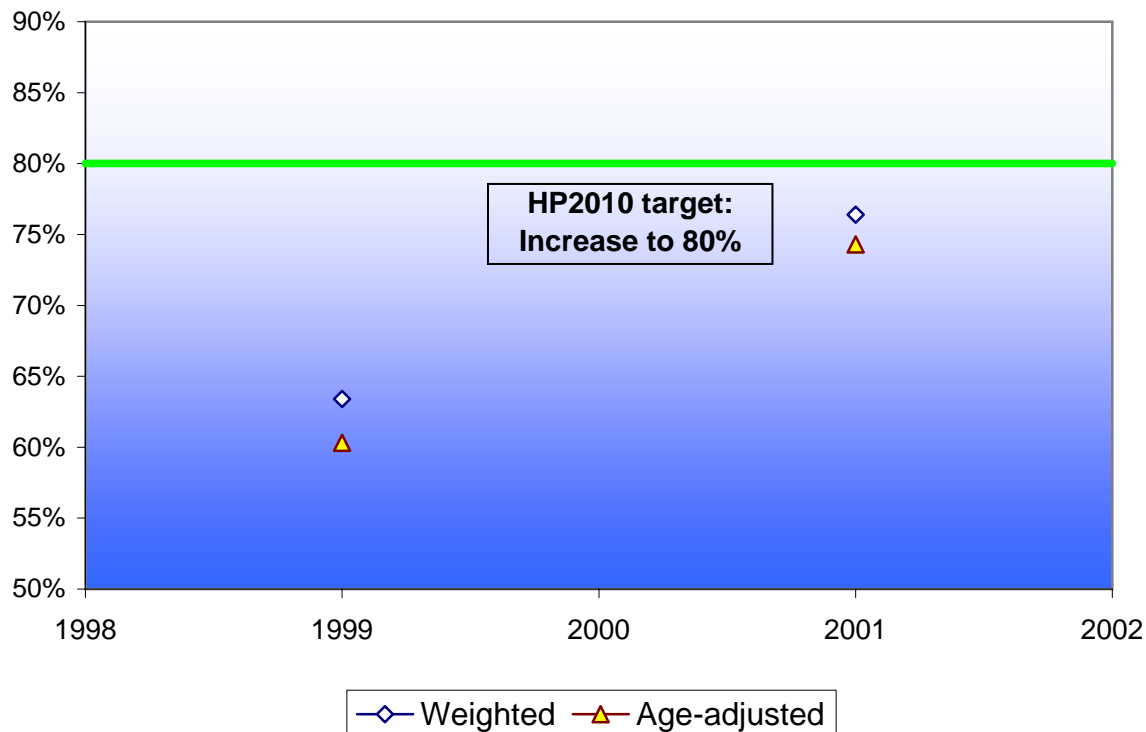
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		139		400	
DO NOT HAVE		62		140	
TOTAL		201		540	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		68.0		72.7	
C.I (95%)		(60.1 - 75.0)		(67.9 - 77.0)	
Age-adjusted percent		61.9		70.4	
C.I (95%)		(55.4 - 68.1)		(65.8 - 74.6)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 12-15/ Supplement 13

**Percent of adults aged 18+ who had blood cholesterol checked within the preceding 5 years  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAVE		256		767	
DO NOT HAVE		145		223	
TOTAL		401		990	

PERCENT	1998	1999	2000	2001	2002
Weighted percent		63.4		76.4	
C.I (95%)		(57.8 - 68.7)		(72.9 - 79.7)	
Age-adjusted percent		60.3		74.3	
C.I (95%)		(54.9 - 65.4)		(70.8 - 77.5)	

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

# IMMUNIZATION

## **Objective 14-29a & 14-29b**

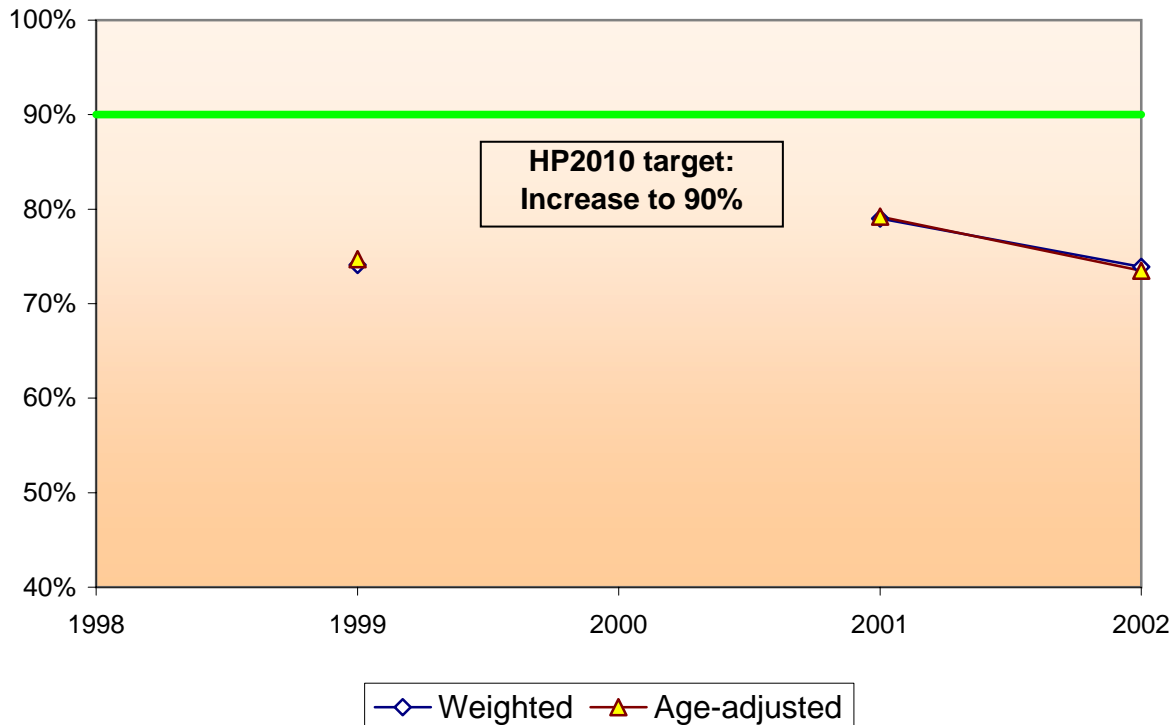
*Increase the proportion of adults aged 65 years and older who are vaccinated annually against influenza and ever vaccinated against pneumococcal disease to **90%***

## **Objective 14-29c & 14-29d**

*Increase the proportion of adults aged 18 to 64 who are vaccinated annually against influenza and ever vaccinated against pneumococcal disease to **60%***

## OBJECTIVE 14-29a

**Percent of adults aged 65+ who had a flu shot in past 12 months  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		287		614	896
DID NOT HAVE		108		203	350
TOTAL		395		817	1246

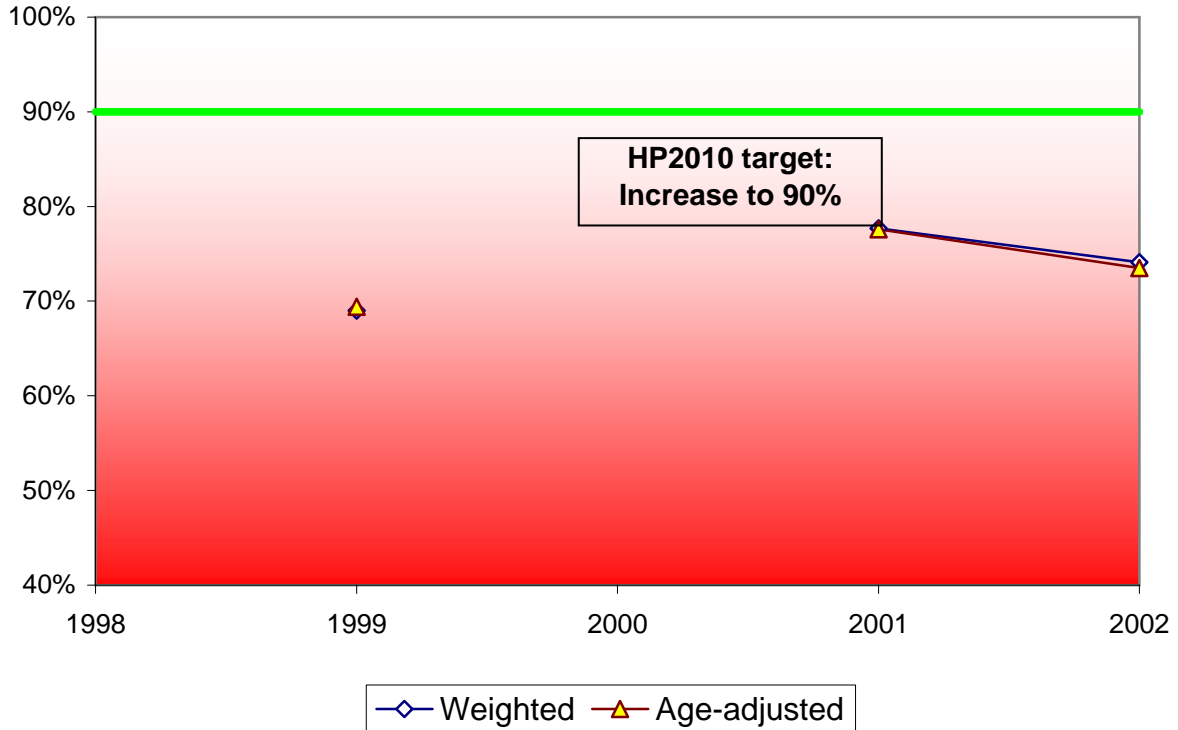
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		74.1		79.0	73.9
C.I (95%)		(67.5 - 79.7)		(75.3 - 82.3)	(70.6 - 76.9)
Age-adjusted percent		74.7		79.2	73.5
C.I (95%)		(68.0 - 80.4)		(75.5 - 82.6)	(70.3 - 76.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 1

**Percent of men aged 65+ who had a flu shot in past 12 months  
Hawaii, 1998-2002**



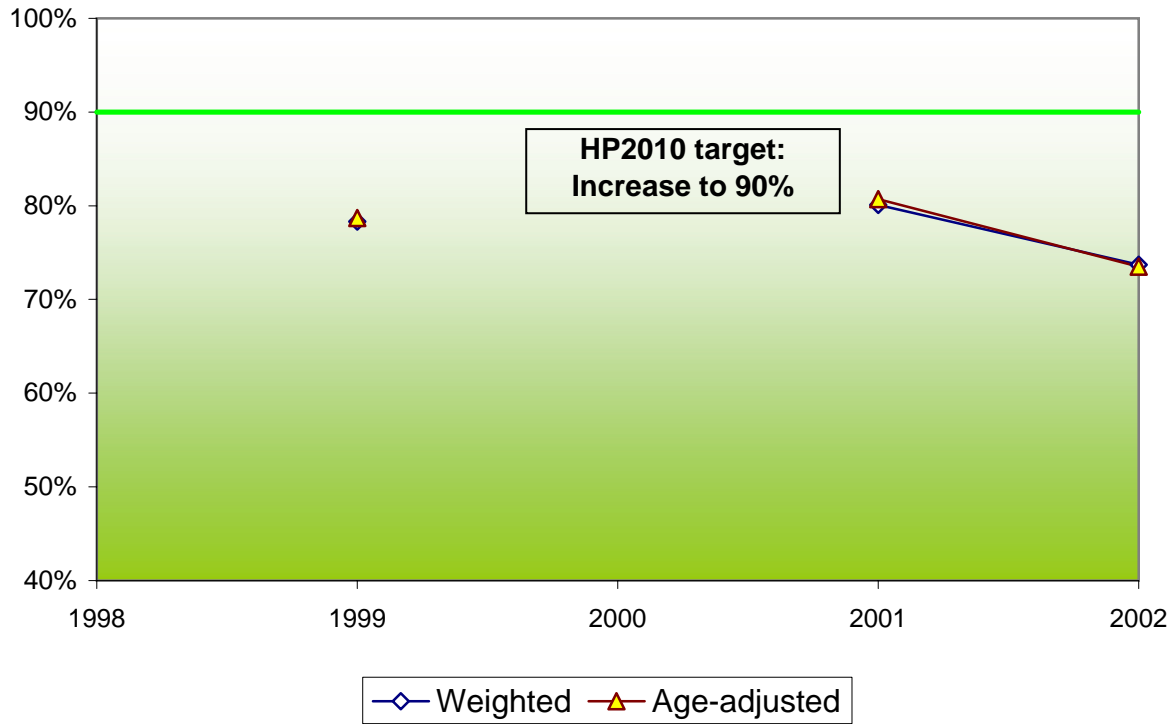
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		112		230	345
DID NOT HAVE		48		81	139
TOTAL		160		311	484

PERCENT	1998	1999	2000	2001	2002
Weighted percent		69.0		77.7	74.1
C.I (95%)		(57.9 - 78.3)		(71.7 - 82.6)	(68.9 - 78.7)
Age-adjusted percent		69.4		77.6	73.5
C.I (95%)		(58.3 - 78.6)		(71.6 - 82.6)	(68.4 - 78.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 2

**Percent of women aged 65+ who had a flu shot in past 12 months  
Hawaii, 1998-2002**



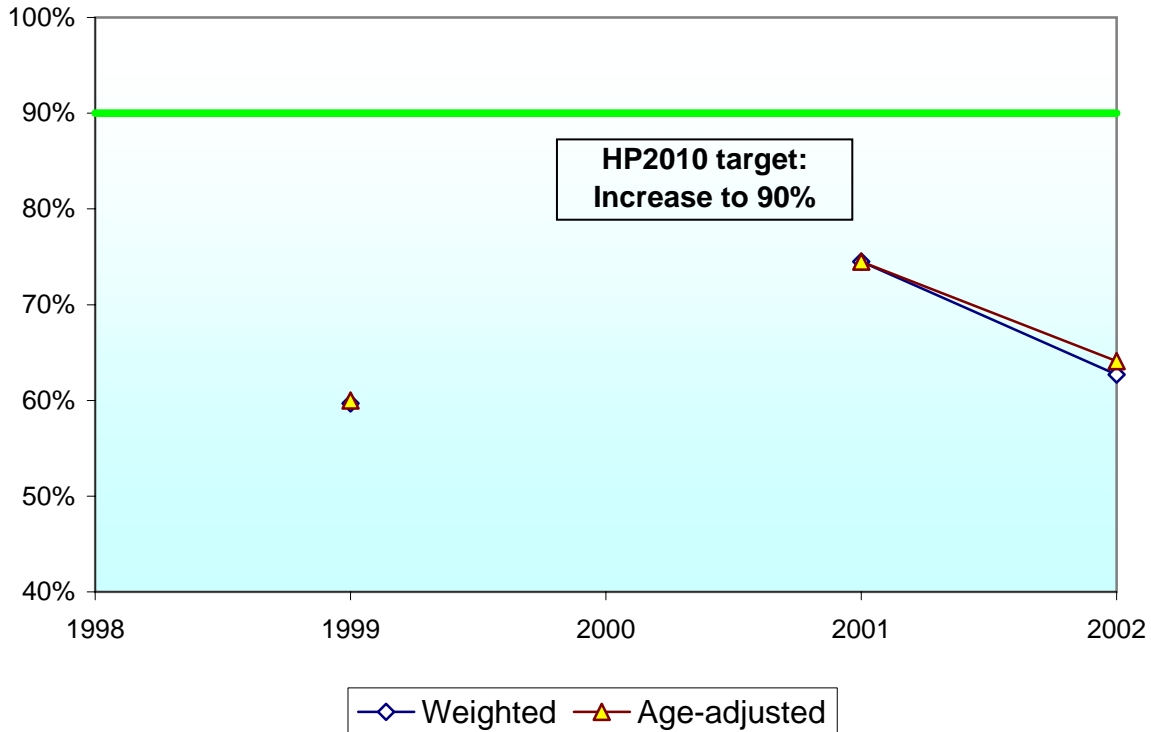
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		175		384	551
DID NOT HAVE		60		122	211
TOTAL		235		506	762

PERCENT	1998	1999	2000	2001	2002
Weighted percent		78.3		80.1	73.7
C.I (95%)		(70.8 - 84.4)		(75.2 - 84.2)	(69.4 - 78.7)
Age-adjusted percent		78.7		80.7	73.5
C.I (95%)		(70.9 - 84.9)		(75.7 - 84.9)	(69.4 - 77.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 3

**Percent of White adults aged 65+ who had a flu shot in past 12 months  
Hawaii, 1998-2002**



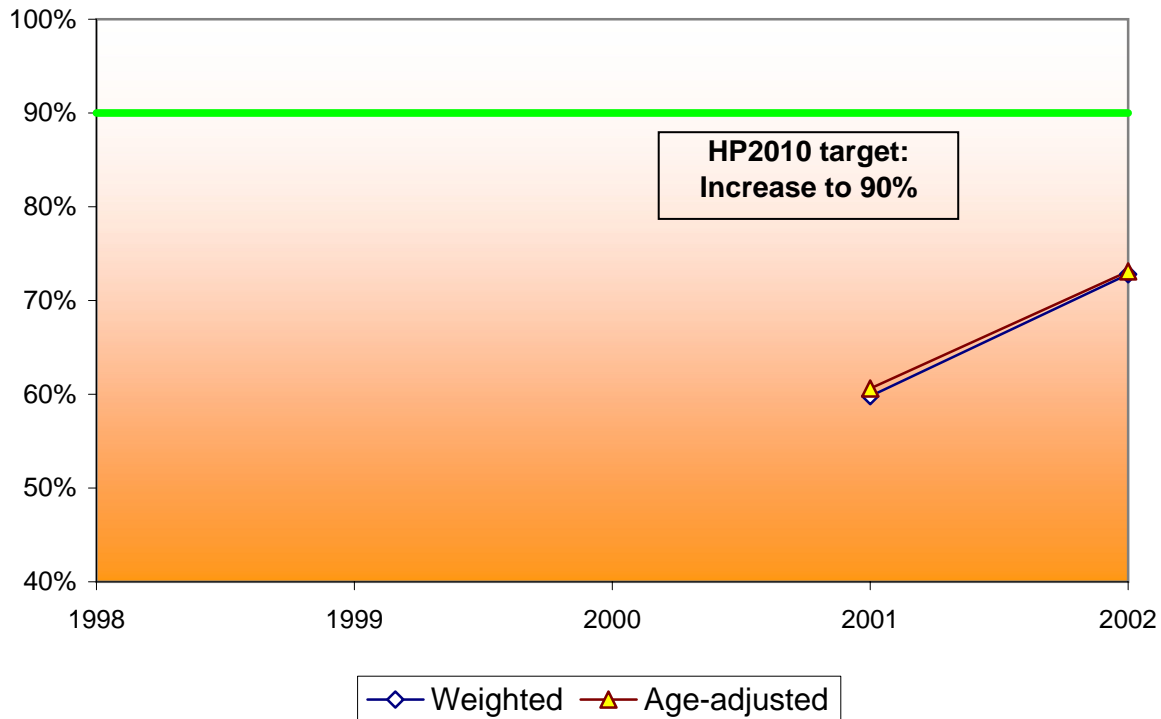
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		54		197	270
DID NOT HAVE		33		92	172
TOTAL		87		289	442

PERCENT	1998	1999	2000	2001	2002
Weighted percent		59.7		74.5	62.7
C.I (95%)		(43.5 - 74.0)		(67.9 - 80.1)	(56.7 - 68.4)
Age-adjusted percent		60.0		74.5	64.1
C.I (95%)		(45.2 - 73.1)		(67.9 - 80.2)	(58.6 - 69.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 4

**Percent of Hawaiians aged 65+ who had a flu shot in past 12 months  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD				46	78
DID NOT HAVE				30	33
TOTAL				76	111

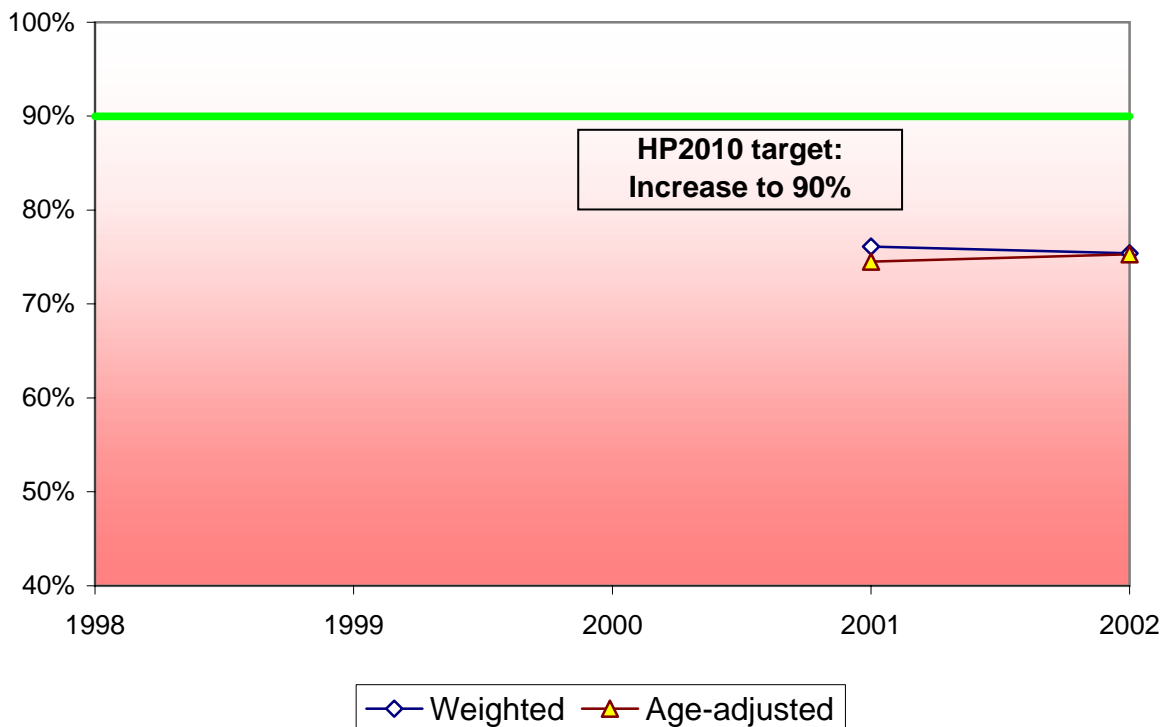
PERCENT	1998	1999	2000	2001	2002
Weighted percent				59.8	72.8
C.I (95%)				(45.2 - 72.9)	(60.4 - 82.5)
Age-adjusted percent				60.6	73.1
C.I (95%)				(45.9 - 73.6)	(61.7 - 82.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 14-29a/ Supplement 5

**Percent of Filipinos aged 65+ who had a flu shot in past 12 months  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD				64	100
DID NOT HAVE				17	34
TOTAL				81	134

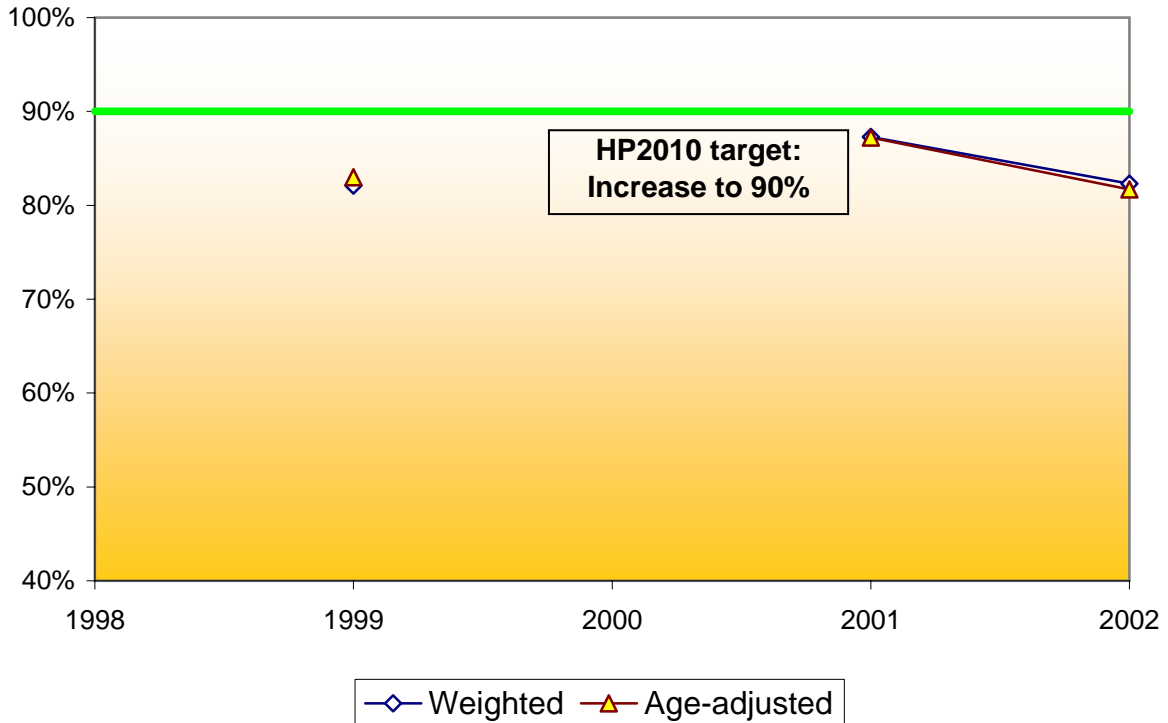
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent				76.1	75.4
C.I (95%)				(59.5 - 87.3)	(64.1 - 84.0)
Age-adjusted percent				74.5	75.3
C.I (95%)				(56.4 - 86.8)	(63.8 - 84.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 6

**Percent of Japanese aged 65+ who had a flu shot in past 12 months  
Hawaii, 1998-2002**



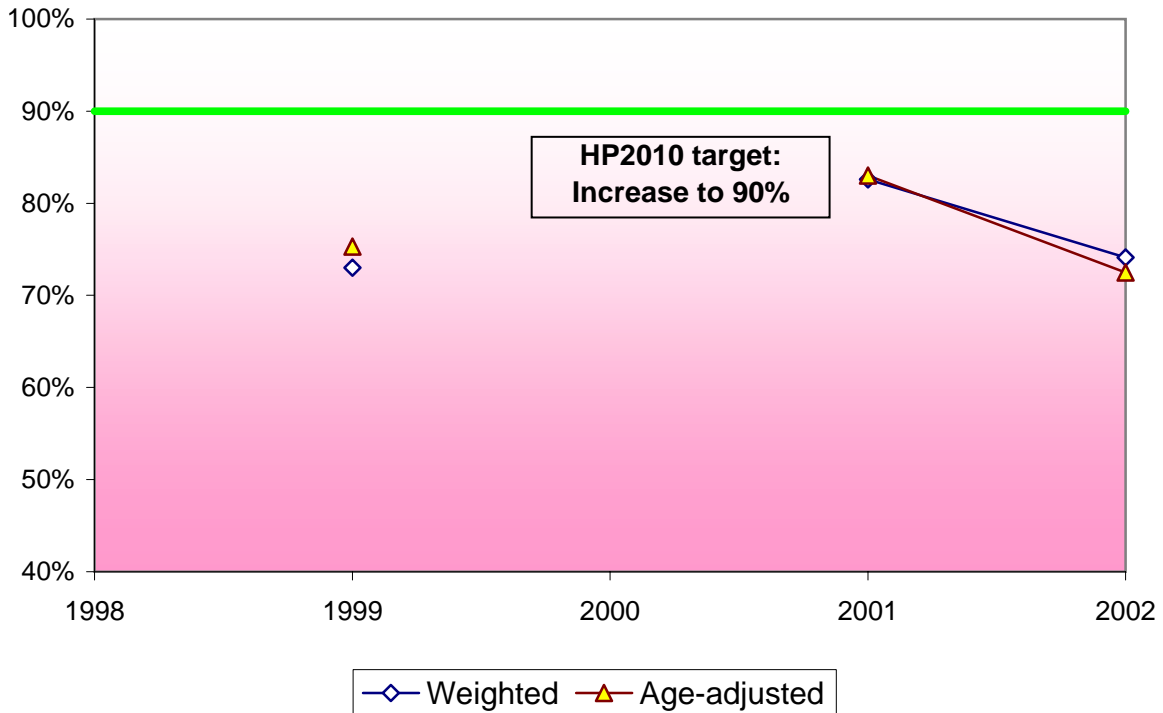
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		92		234	358
DID NOT HAVE		20		47	71
TOTAL		112		281	429

PERCENT	1998	1999	2000	2001	2002
Weighted percent		82.1		87.3	82.3
C.I (95%)		(69.9 - 90.0)		(82.6 - 90.9)	(77.0 - 86.7)
Age-adjusted percent		83.0		87.2	81.7
C.I (95%)		(71.8 - 90.3)		(82.6 - 90.8)	(76.2 - 86.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 7

**Percent of adults of other races aged 65+ who had a flu shot in past 12 months  
Hawaii, 1998-2002**



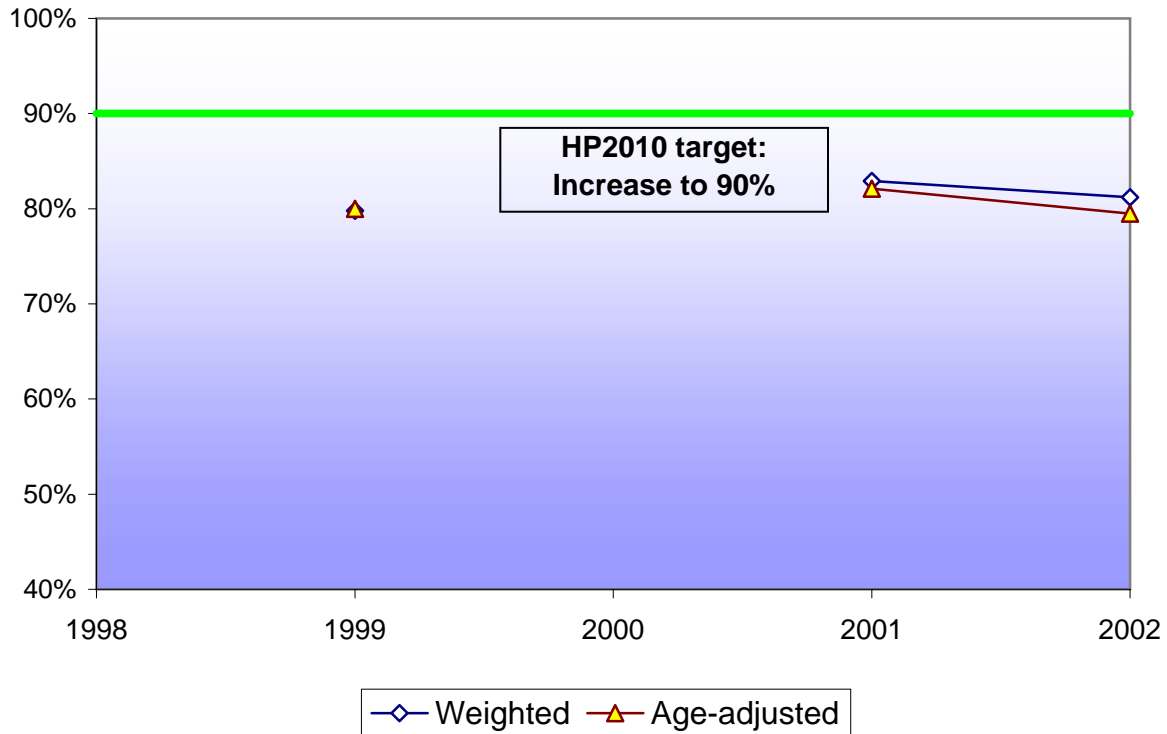
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		121		73	90
DID NOT HAVE		44		17	40
TOTAL		165		90	130

PERCENT	1998	1999	2000	2001	2002
Weighted percent		73.0		82.6	74.1
C.I (95%)		(63.4 - 80.9)		(71.7 - 89.9)	(64.7 - 81.7)
Age-adjusted percent		75.3		83.0	72.5
C.I (95%)		(66.8 - 82.2)		(71.9 - 90.4)	(63.5 - 80.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 8

**Percent of adults aged 65+  
with less education who had a flu shot in past 12 months  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		66		124	170
DID NOT HAVE		22		36	49
TOTAL		88		160	219

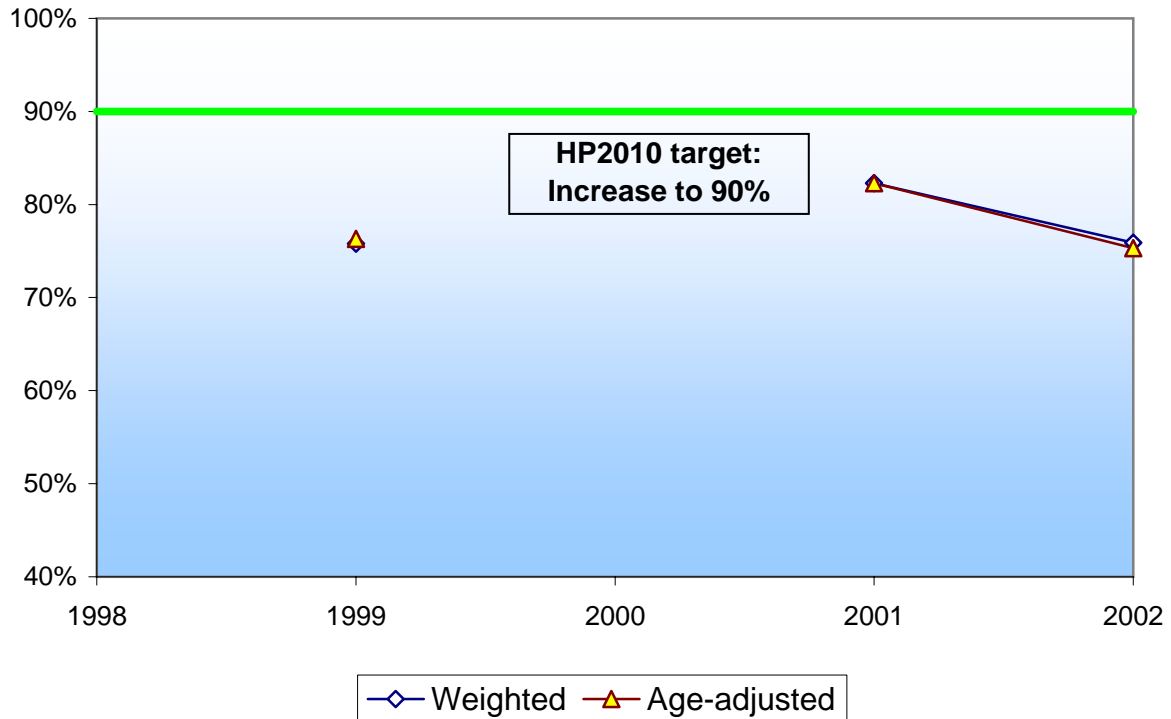
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		79.8		82.9	81.2
C.I (95%)		(67.3 - 88.3)		(74.7 - 88.9)	(73.7 - 87.0)
Age-adjusted percent		80.0		82.1	79.5
C.I (95%)		(68.7 - 88.0)		(72.6 - 88.9)	(70.0 - 86.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 9

**Percent of adults aged 65+ who had a flu shot in past 12 months  
Honolulu county, Hawaii, 1998-2002**



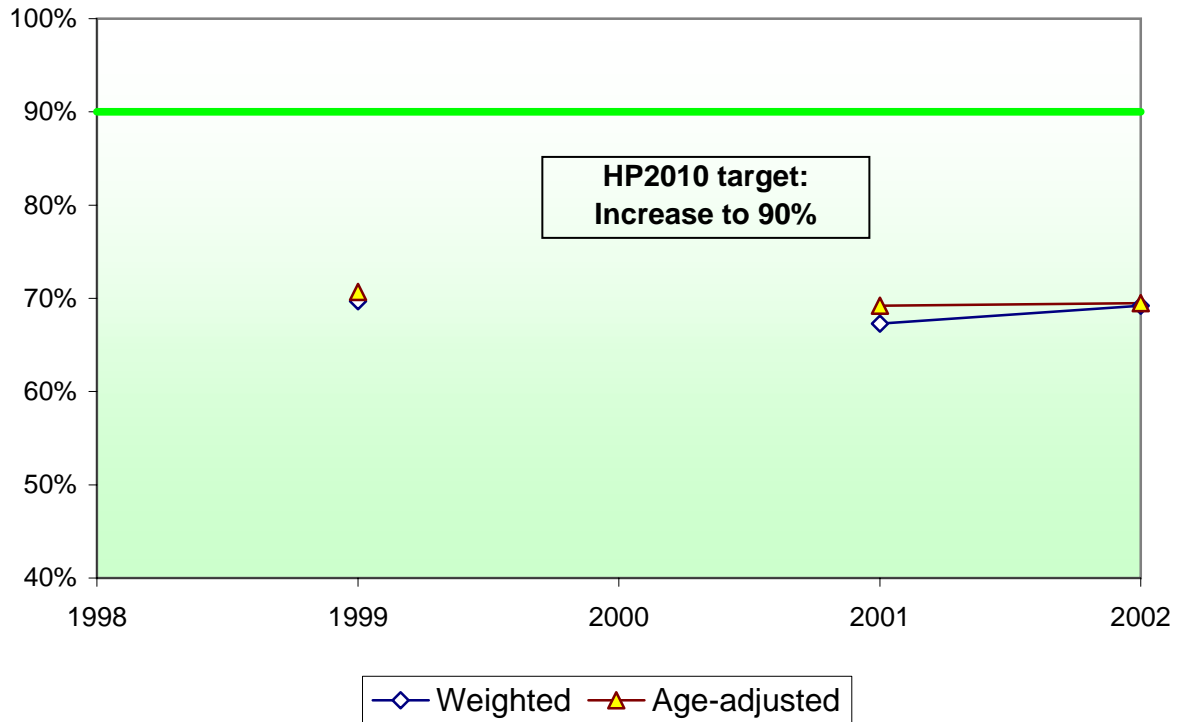
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		120		293	441
DID NOT HAVE		36		67	149
TOTAL		156		360	590

PERCENT	1998	1999	2000	2001	2002
Weighted percent		75.8		82.3	75.9
C.I (95%)		(66.8 - 83.0)		(77.4 - 86.4)	(71.6 - 79.6)
Age-adjusted percent		76.3		82.3	75.3
C.I (95%)		(67.1 - 83.6)		(77.3 - 86.4)	(71.1 - 79.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 10

**Percent of adults aged 65+ who had a flu shot in past 12 months  
Hawaii county, Hawaii, 1998-2002**



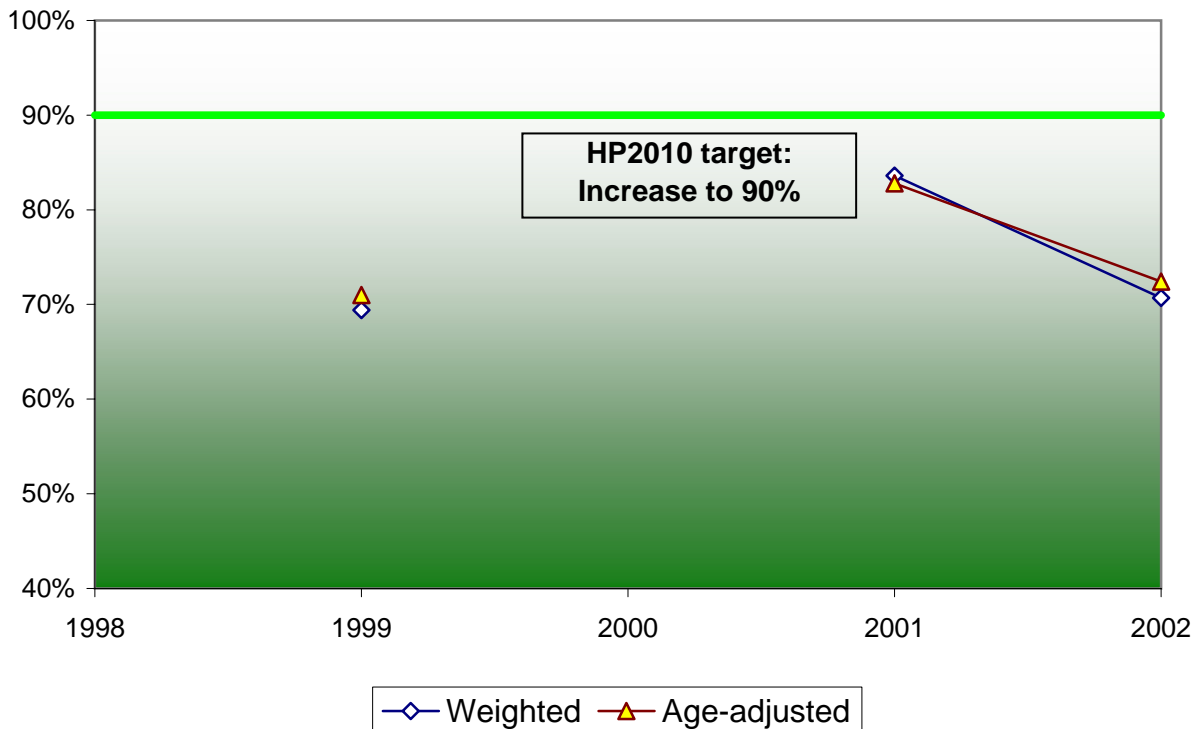
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		84		138	222
DID NOT HAVE		37		65	103
TOTAL		121		203	325

PERCENT	1998	1999	2000	2001	2002
Weighted percent		69.7		67.3	69.2
C.I (95%)		(60.1 - 77.8)		(59.7 - 74.1)	(63.5 - 74.4)
Age-adjusted percent		70.7		69.2	69.5
C.I (95%)		(61.1 - 78.7)		(62.1 - 75.5)	(63.9 - 74.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 11

**Percent of adults aged 65+ who had a flu shot in past 12 months  
Kauai county, Hawaii, 1998-2002**



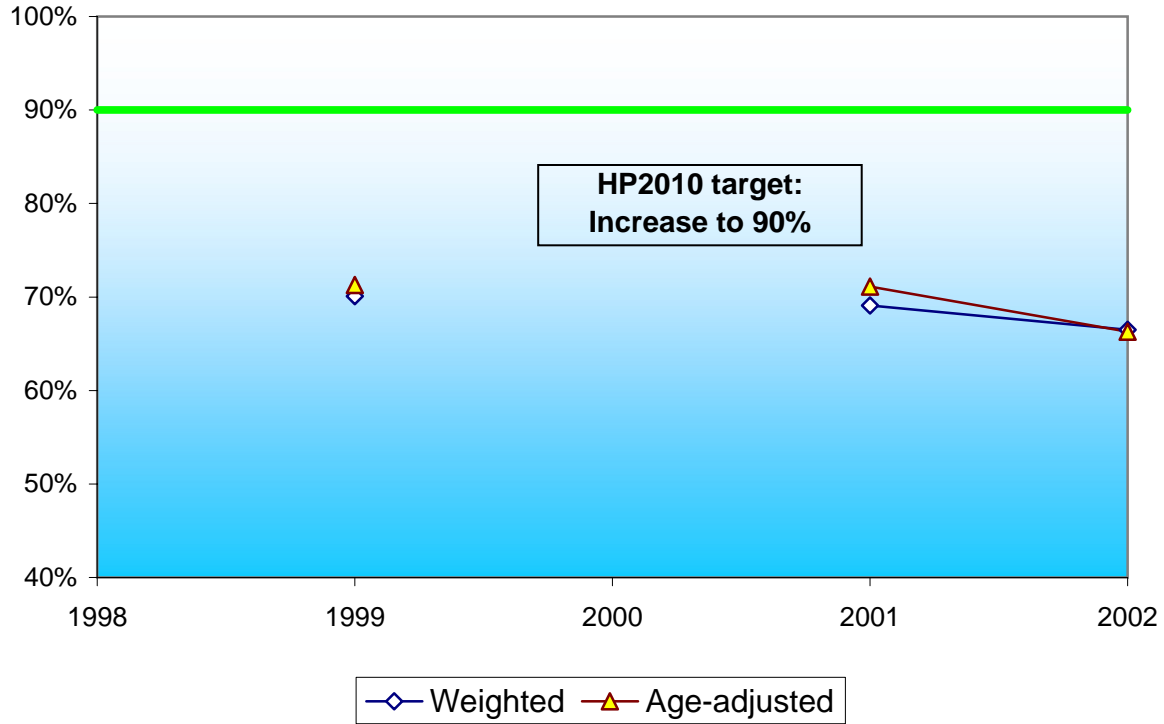
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		35		75	90
DID NOT HAVE		16		19	34
TOTAL		51		94	124

PERCENT	1998	1999	2000	2001	2002
Weighted percent		69.4		83.6	70.7
C.I (95%)		(53.8 - 81.6)		(74.2 - 90.1)	(59.2 - 80.0)
Age-adjusted percent		71.0		82.8	72.4
C.I (95%)		(55.4 - 82.8)		(72.7 - 90.1)	(60.2 - 80.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29a/ Supplement 12

**Percent of adults aged 65+ who had a flu shot in past 12 months  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		48		108	143
DID NOT HAVE		19		52	64
TOTAL		67		160	207

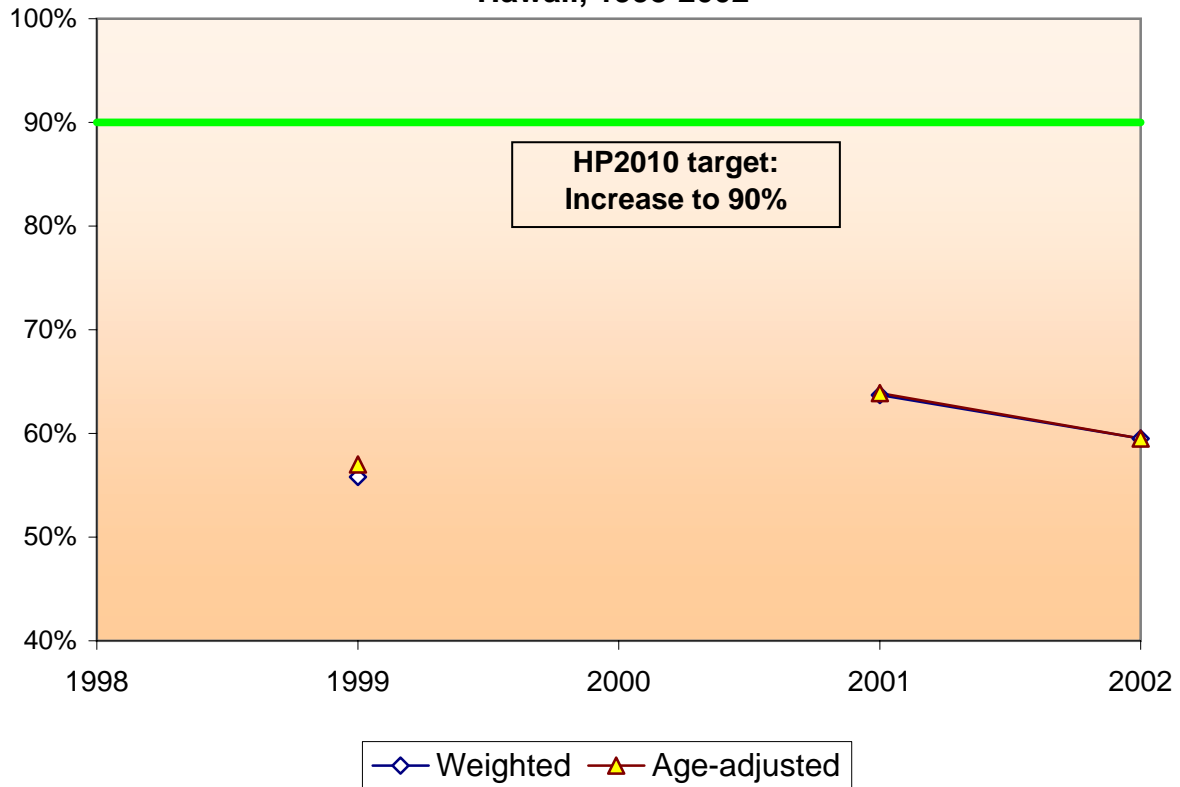
PERCENT	1998	1999	2000	2001	2002
Weighted percent		70.1		69.1	66.5
C.I (95%)		(55.1 - 81.7)		(60.3 - 76.7)	(58.0 - 74.1)
Age-adjusted percent		71.3		71.1	66.3
C.I (95%)		(57.2 - 82.2)		(63.1 - 78.0)	(57.8 - 73.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 14-29b**

**Percent of adults aged 65+ who had a pneumonia shot  
Hawaii, 1998-2002**



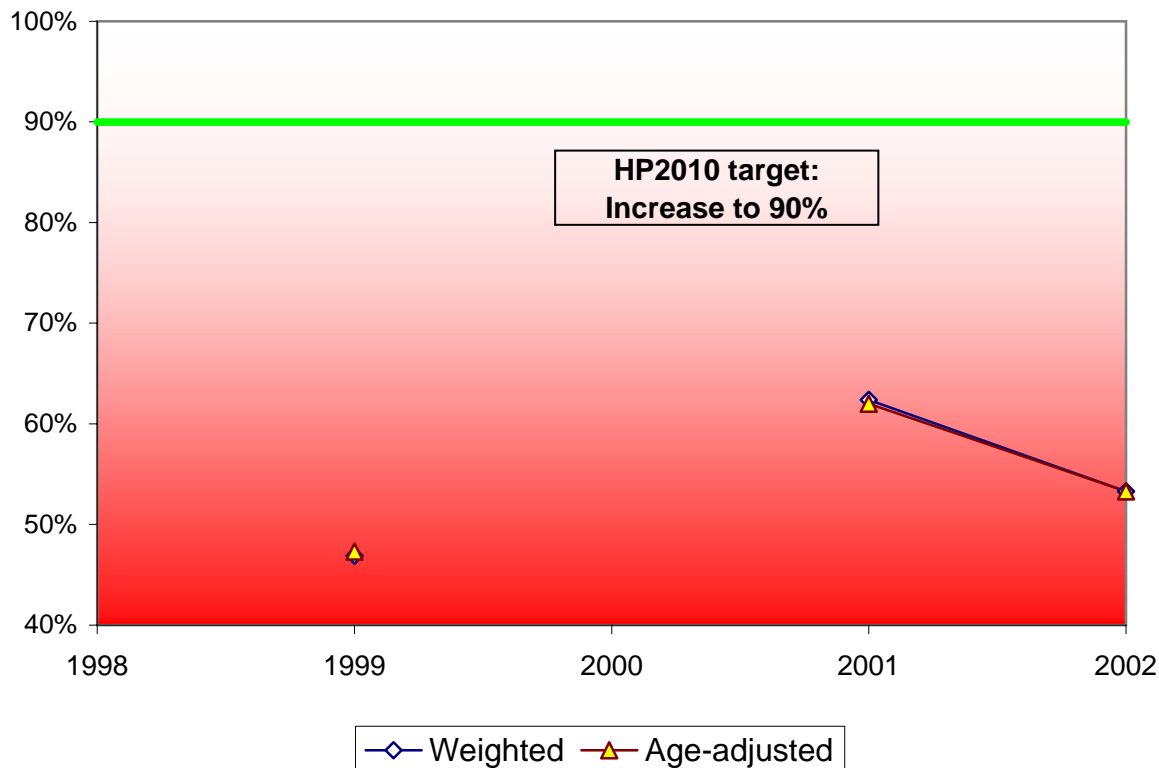
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		223		505	709
DID NOT HAVE		165		297	473
TOTAL		388		802	1182

PERCENT	1998	1999	2000	2001	2002
Weighted percent		55.8		63.7	59.5
C.I (95%)		(48.9 - 62.5)		(59.2 - 68.1)	(55.8 - 63.2)
Age-adjusted percent		57.0		63.9	59.5
C.I (95%)		(50.1 - 63.7)		(59.3 - 68.3)	(55.8 - 63.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 1

**Percent of men aged 65+ who had a pneumonia shot  
Hawaii, 1998-2002**



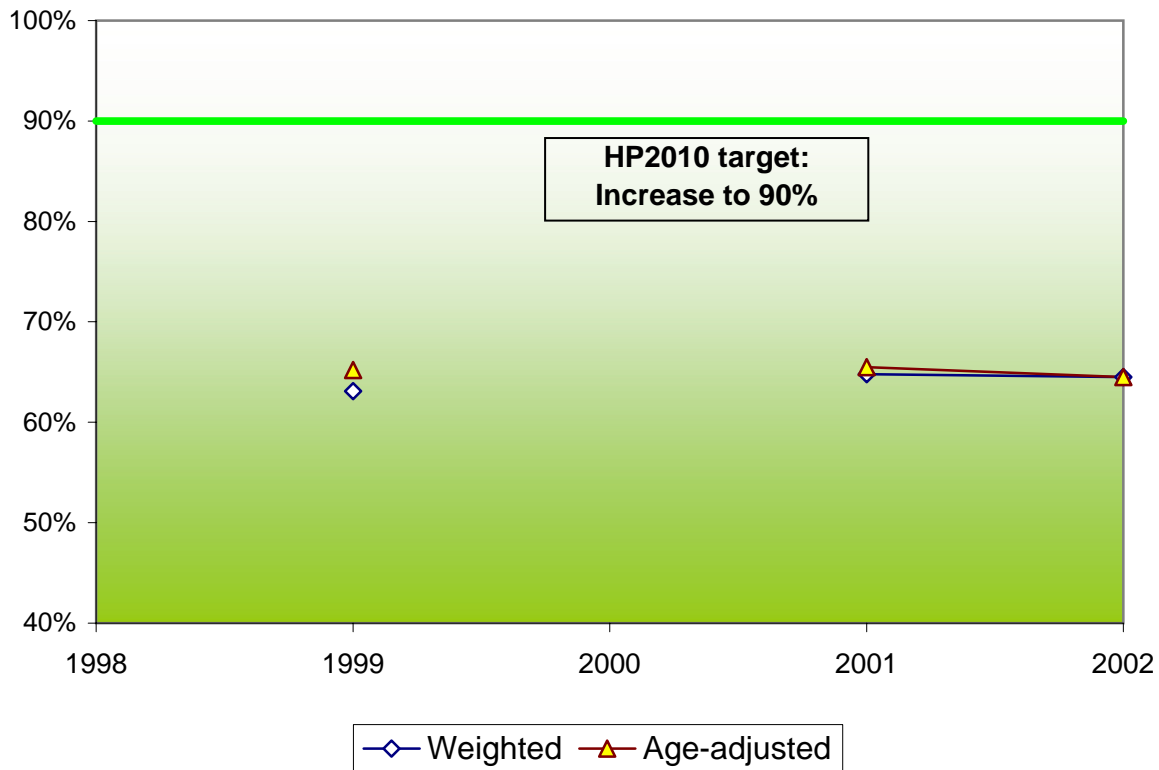
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		74		179	240
DID NOT HAVE		81		125	219
TOTAL		155		304	459

PERCENT	1998	1999	2000	2001	2002
Weighted percent		46.9		62.4	53.3
C.I (95%)		(36.8 - 57.2)		(55.5 - 68.9)	(47.6 - 59.0)
Age-adjusted percent		47.3		62.0	53.3
C.I (95%)		(37.2 - 57.7)		(55.2 - 68.5)	(47.6 - 59.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 2

Percent of women aged 65+ who had a pneumonia shot  
Hawaii, 1998-2002



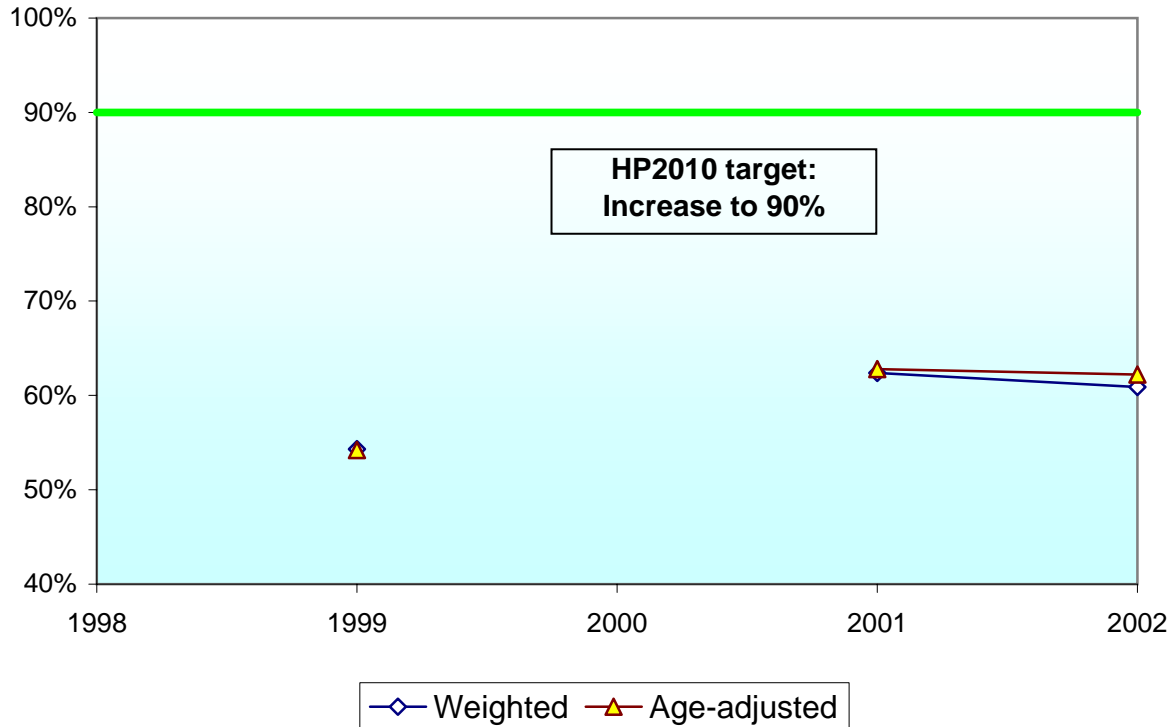
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		149		326	469
DID NOT HAVE		84		172	254
TOTAL		233		498	723

PERCENT	1998	1999	2000	2001	2002
Weighted percent		63.1		64.8	64.5
C.I (95%)		(54.1 - 71.3)		(58.6 - 70.5)	(59.7 - 69.0)
Age-adjusted percent		65.2		65.5	64.5
C.I (95%)		(56.4 - 73.0)		(59.3 - 71.1)	(59.8 - 69.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 3

**Percent of White adults aged 65+ who had a pneumonia shot  
Hawaii, 1998-2002**



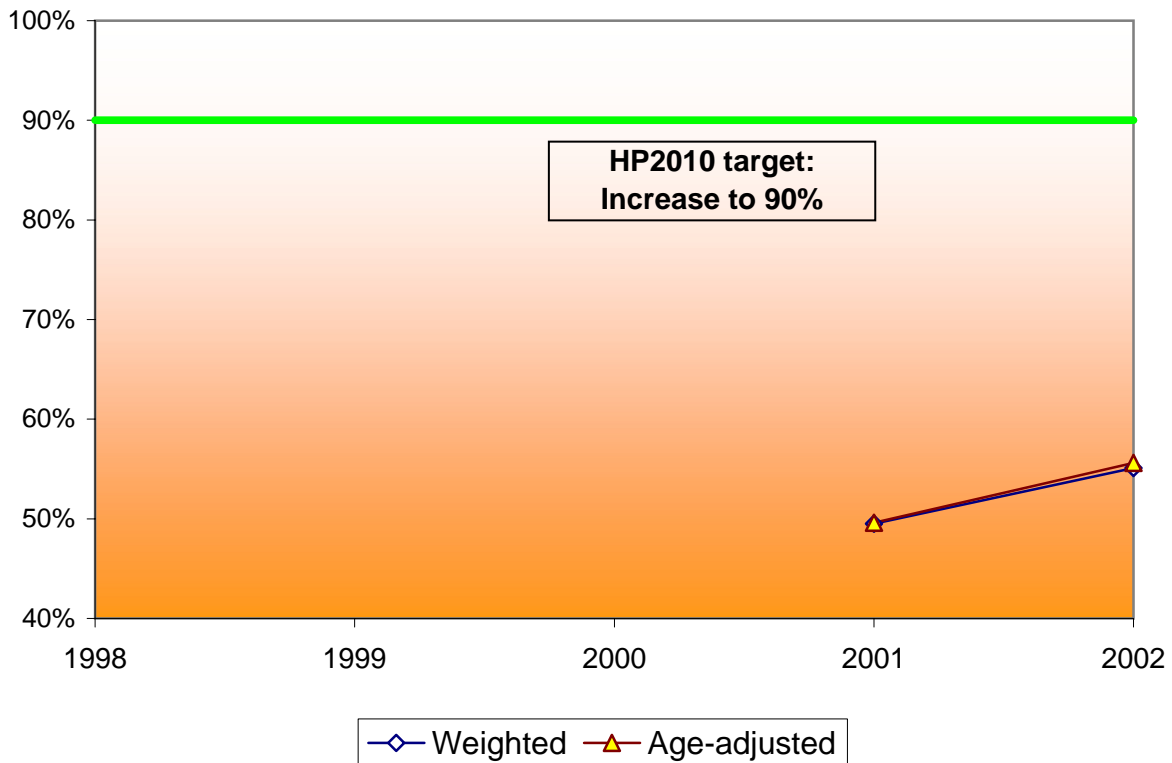
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		49		171	262
DID NOT HAVE		37		113	174
TOTAL		86		284	436

PERCENT	1998	1999	2000	2001	2002
Weighted percent		54.3		62.4	60.9
C.I (95%)		(38.8 - 69.0)		(54.5 - 69.7)	(54.8 - 66.7)
Age-adjusted percent		54.2		62.8	62.2
C.I (95%)		(39.0 - 68.7)		(54.8 - 70.1)	(56.3 - 67.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 4

**Percent of Hawaiians aged 65+ who had a pneumonia shot  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD				38	53
DID NOT HAVE				37	47
TOTAL				75	100

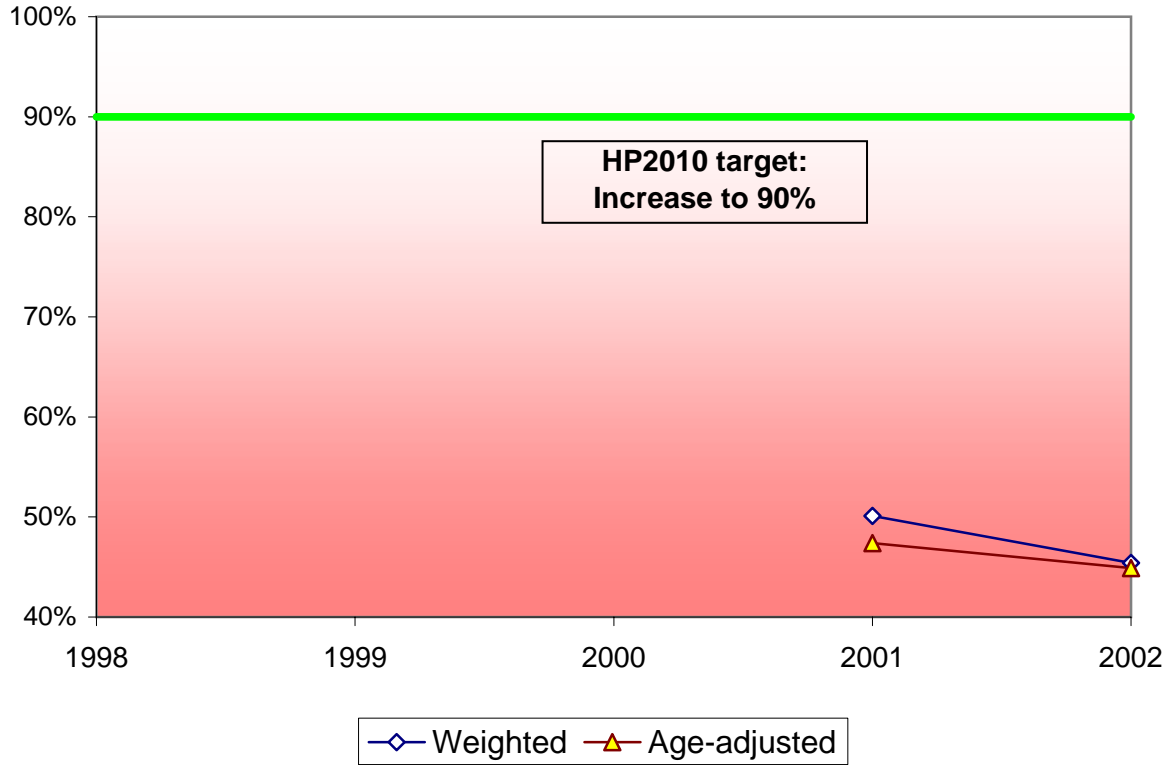
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent				49.5	55.1
C.I (95%)				(35.6 - 63.5)	(41.6 - 67.8)
Age-adjusted percent				49.6	55.6
C.I (95%)				(35.6 - 63.6)	(42.5 - 68.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 5

**Percent of Filipinos aged 65+ who had a pneumonia shot  
Hawaii, 1998-2002**



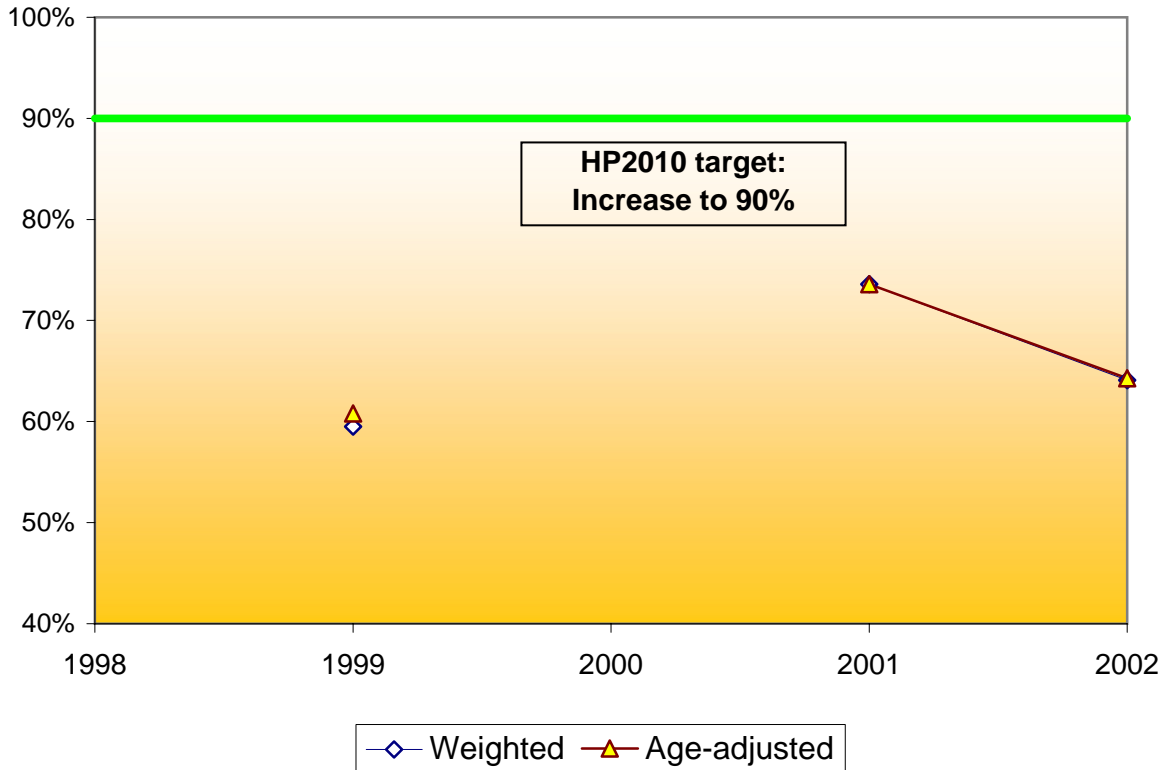
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD				42	53
DID NOT HAVE				39	64
TOTAL				81	117

PERCENT	1998	1999	2000	2001	2002
Weighted percent				50.1	45.4
C.I (95%)				(33.0 - 67.1)	(33.3 - 58.2)
Age-adjusted percent				47.4	44.9
C.I (95%)				(31.7 - 63.5)	(33.3 - 57.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 6

**Percent of Japanese aged 65+ who had a pneumonia shot  
Hawaii, 1998-2002**



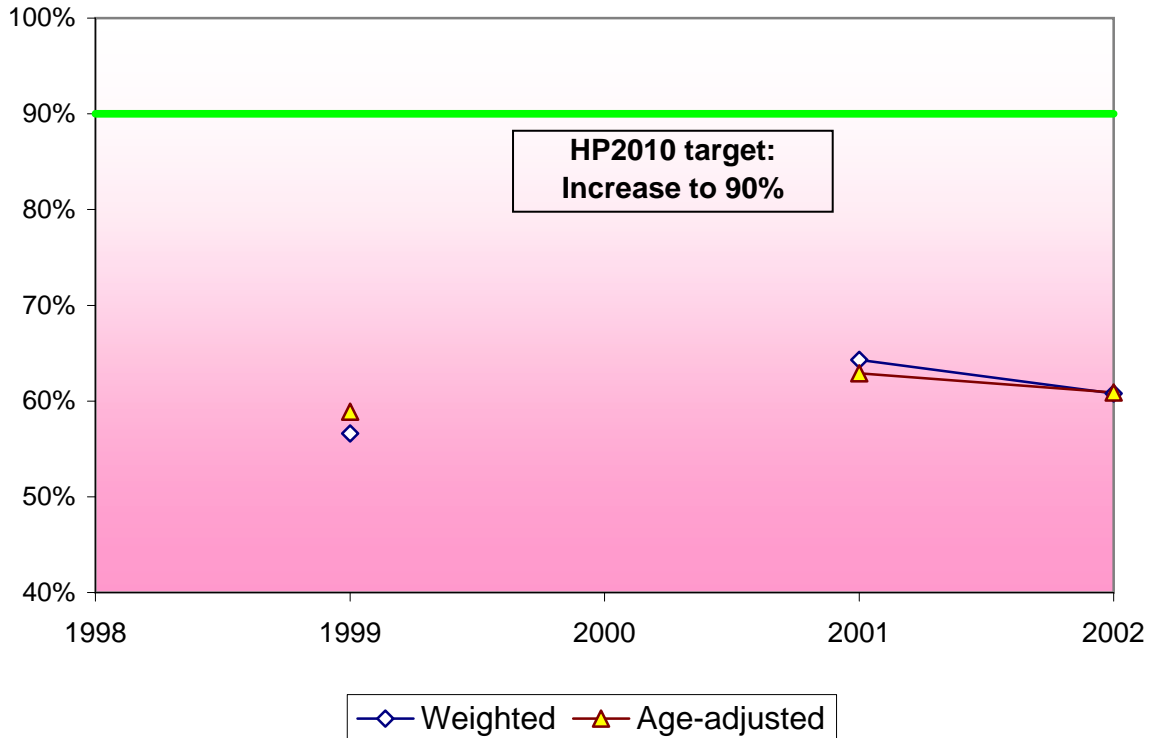
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		73		199	269
DID NOT HAVE		36		76	139
TOTAL		109		275	408

PERCENT	1998	1999	2000	2001	2002
Weighted percent		59.5		73.6	64.1
C.I (95%)		(46.4 - 71.3)		(66.8 - 79.5)	(58.1 - 69.7)
Age-adjusted percent		60.8		73.6	64.3
C.I (95%)		(48.3 - 72.1)		(66.8 - 79.5)	(58.2 - 69.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 7

**Percent of adults of other races aged 65+ who had a pneumonia shot  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		88		55	72
DID NOT HAVE		74		32	49
TOTAL		162		87	121

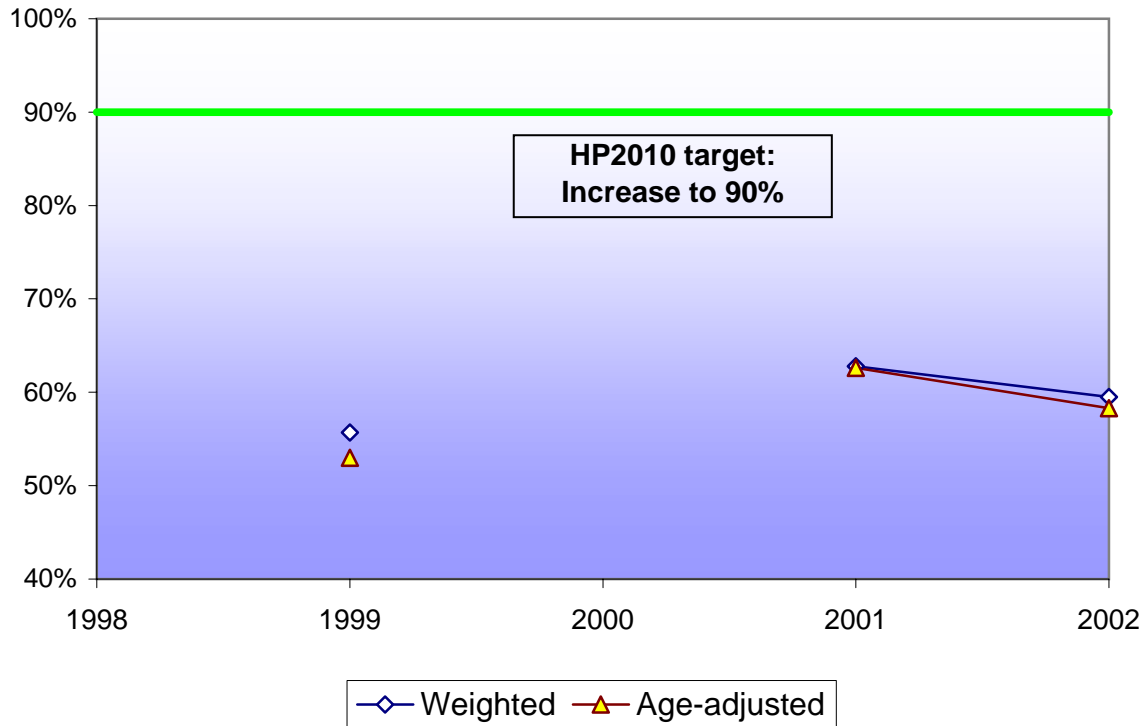
PERCENT	1998	1999	2000	2001	2002
Weighted percent		56.6		64.3	60.8
C.I (95%)		(46.6 - 66.1)		(51.6 - 75.2)	(50.0 - 70.6)
Age-adjusted percent		58.9		62.9	60.9
C.I (95%)		(49.3 - 67.8)		(49.8 - 74.3)	(50.2 - 70.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 14-29b/Supplement 8

**Percent of adults aged 65+ with less education who had a pneumonia shot  
Hawaii, 1998-2002**



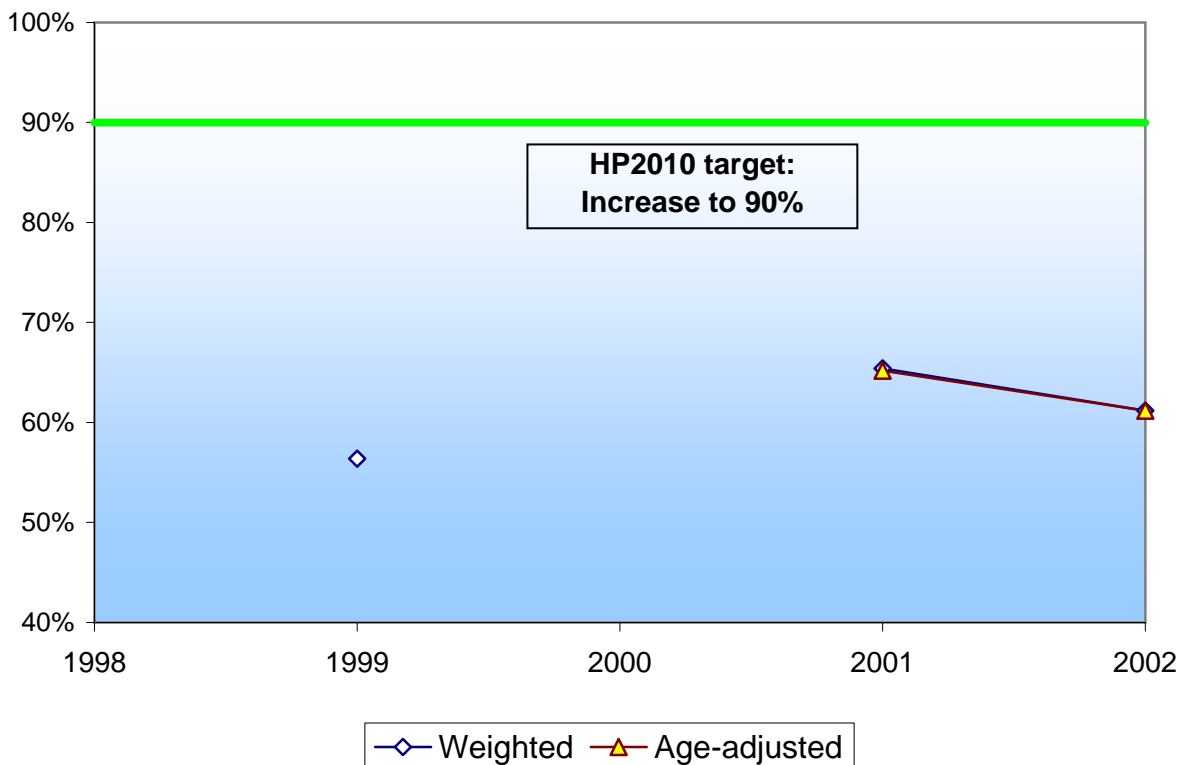
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		50		95	117
DID NOT HAVE		36		61	74
TOTAL		86		156	191

PERCENT	1998	1999	2000	2001	2002
Weighted percent		55.7		62.8	59.5
C.I (95%)		(40.9 - 69.5)		(50.7 - 73.5)	(49.7 - 68.7)
Age-adjusted percent		53.0		62.6	58.3
C.I (95%)		(37.9 - 67.5)		(48.6 - 74.7)	(47.1 - 68.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 14-29b/Supplement 9**

**Percent of adults aged 65+ who had a pneumonia shot  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		91		235	356
DID NOT HAVE		63		118	215
TOTAL		154		353	571

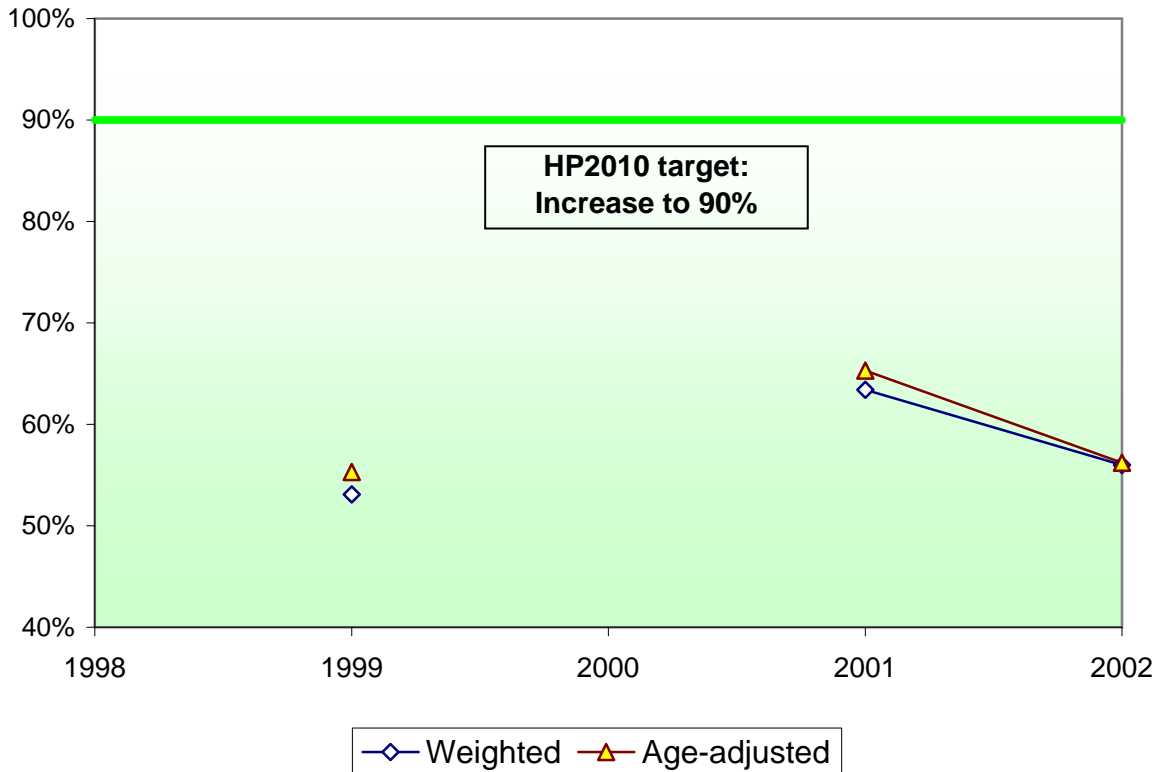
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		56.4		65.4	61.2
C.I (95%)		(47.2 - 65.2)		(59.3 - 71.0)	(56.4 - 65.8)
Age-adjusted percent		57.3		65.2	61.2
C.I (95%)		(48.0 - 66.1)		(59.1 - 70.8)	(56.4 - 65.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 10

**Percent of adults aged 65+ who had a pneumonia shot  
Hawaii county, Hawaii, 1998-2002**



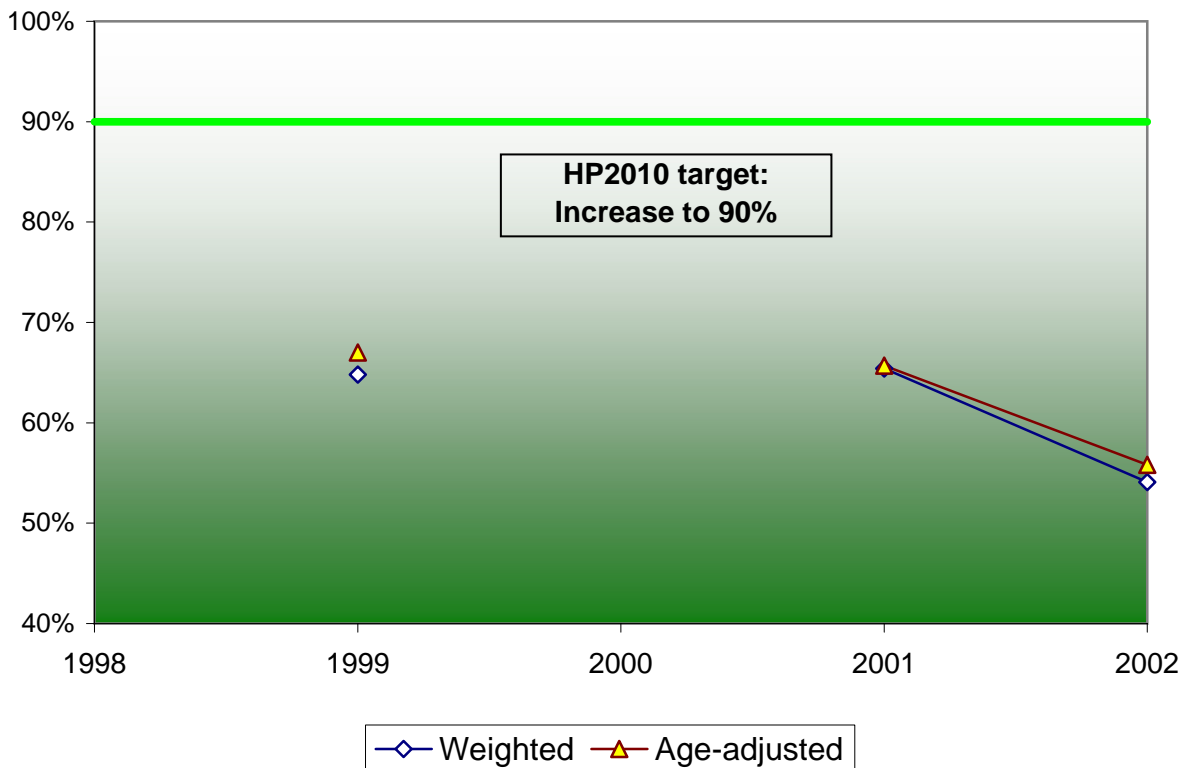
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		63		125	180
DID NOT HAVE		54		73	125
TOTAL		117		198	305

PERCENT	1998	1999	2000	2001	2002
Weighted percent		53.1		63.4	56.0
C.I (95%)		(43.1 - 62.8)		(55.6 - 70.5)	(49.6 - 62.2)
Age-adjusted percent		55.3		65.3	56.2
C.I (95%)		(45.6 - 64.6)		(57.7 - 72.1)	(49.7 - 62.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 11

**Percent of adults aged 65+ who had a pneumonia shot  
Kauai county, Hawaii, 1998-2002**



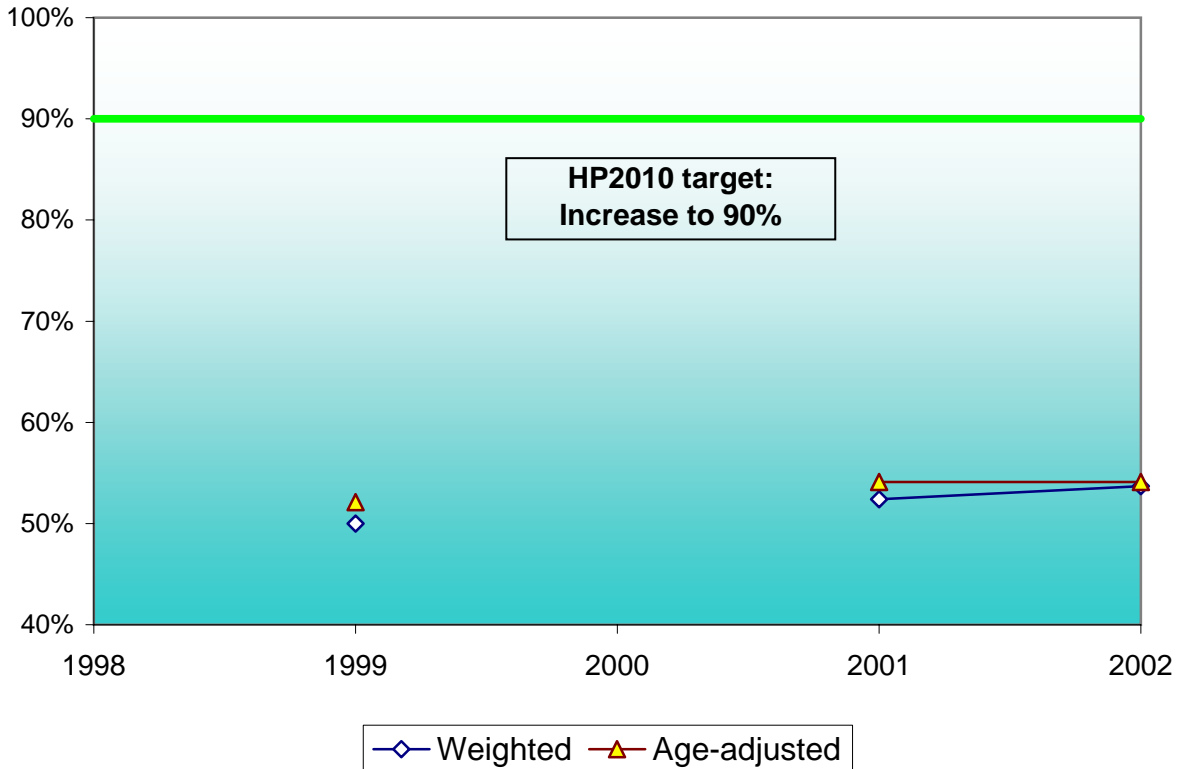
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		34		59	71
DID NOT HAVE		17		34	48
TOTAL		51		93	119

PERCENT	1998	1999	2000	2001	2002
Weighted percent		64.8		65.4	54.1
C.I (95%)		(48.7 - 78.2)		(53.1 - 76.0)	(42.9 - 64.9)
Age-adjusted percent		67.0		65.7	55.8
C.I (95%)		(51.5 - 79.6)		(53.4 - 76.0)	(43.9 - 67.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29b/Supplement 12

**Percent of adults aged 65+ who had a pneumonia shot  
Maui county, Hawaii, 1998-2002**



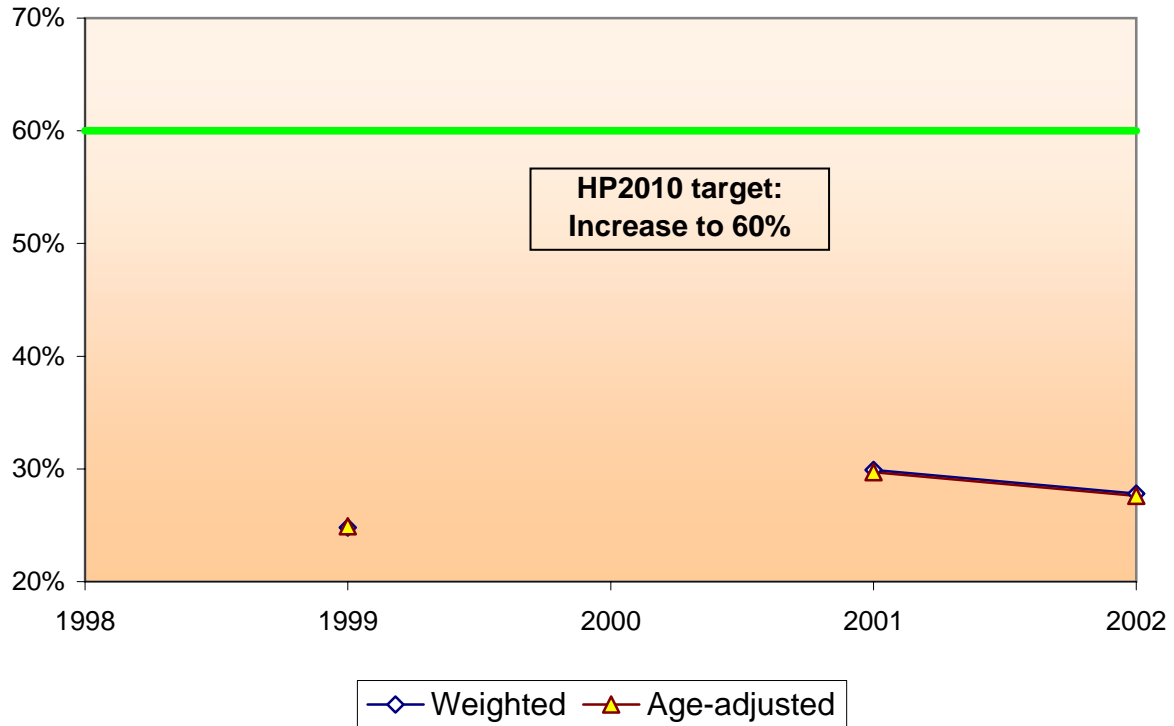
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		35		86	102
DID NOT HAVE		31		72	85
TOTAL		66		158	187

PERCENT	1998	1999	2000	2001	2002
Weighted percent		50.0		52.4	53.7
C.I (95%)		(36.4 - 63.6)		(43.2 - 61.4)	(44.8 - 62.4)
Age-adjusted percent		52.1		55.0	54.1
C.I (95%)		(39.1 - 64.9)		(46.1 - 63.5)	(45.0 - 62.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c

**Percent of adults aged 18 to 64  
who had a flu shot in past 12 months  
Hawaii, 1998-2002**



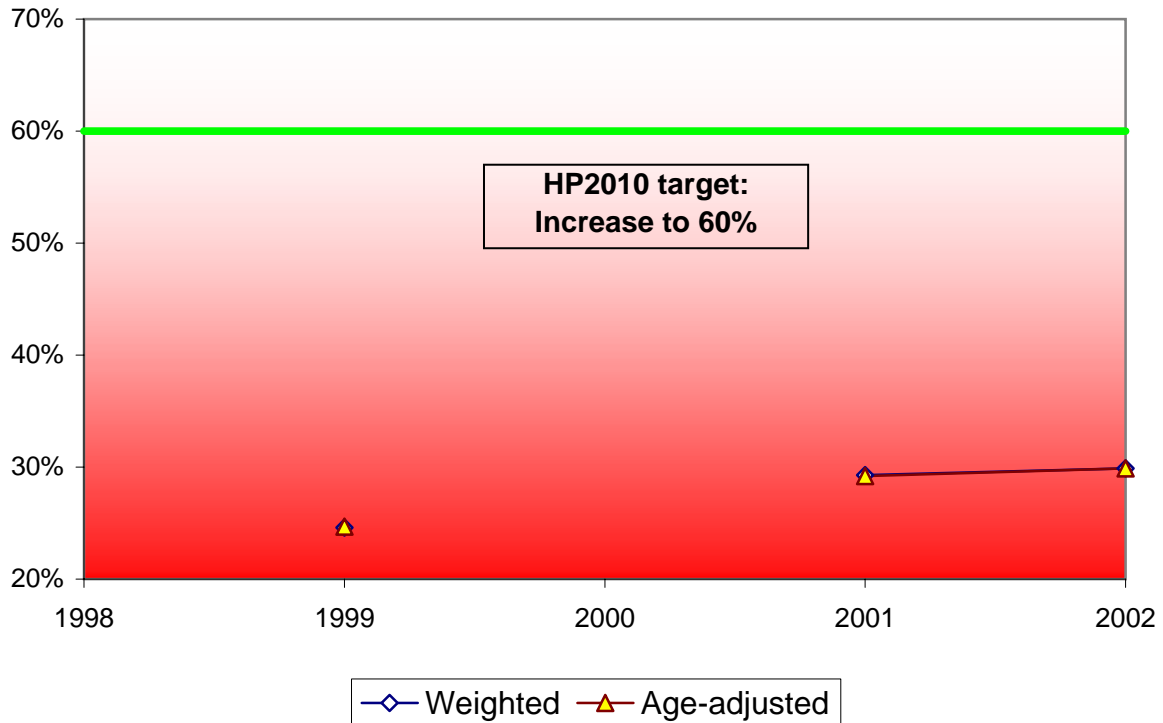
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		369		962	1216
DID NOT HAVE		1385		2712	3519
TOTAL		1754		3674	4735

PERCENT	1998	1999	2000	2001	2002
Weighted percent		24.8		29.9	27.8
C.I (95%)		(22.2 - 27.7)		(27.8 - 32.0)	(26.0 - 29.6)
Age-adjusted percent		24.9		29.7	27.6
C.I (95%)		(22.3 - 27.8)		(27.6 - 31.9)	(25.9 - 29.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 1

**Percent of men aged 18 to 64  
who had a flu shot in past 12 months  
Hawaii, 1998-2002**



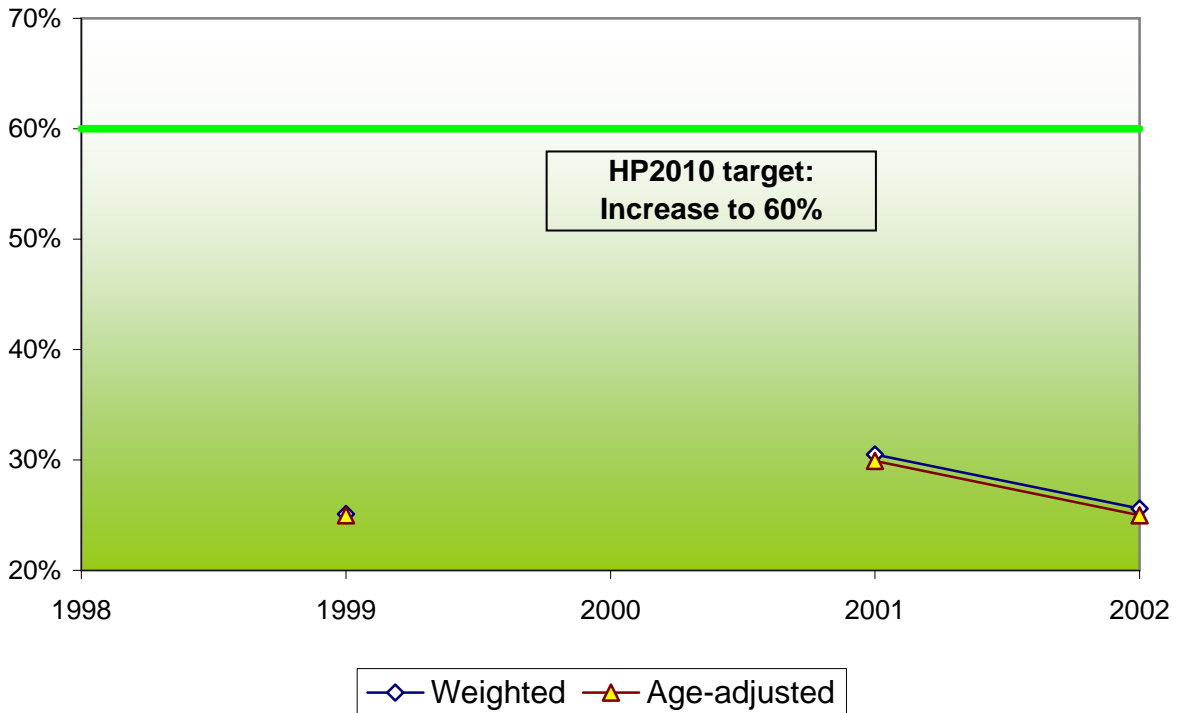
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		183		425	540
DID NOT HAVE		647		1198	1572
TOTAL		830		1623	2112

PERCENT	1998	1999	2000	2001	2002
Weighted percent		24.6		29.3	29.9
C.I (95%)		(20.9 - 28.6)		(26.3 - 32.4)	(27.2 - 32.7)
Age-adjusted percent		24.7		29.2	29.9
C.I (95%)		(21.0 - 28.7)		(26.2 - 32.3)	(27.2 - 32.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 2

**Percent of women aged 18 to 64  
who had a flu shot in past 12 months  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		186		537	676
DID NOT HAVE		738		1514	1947
TOTAL		924		2051	2623

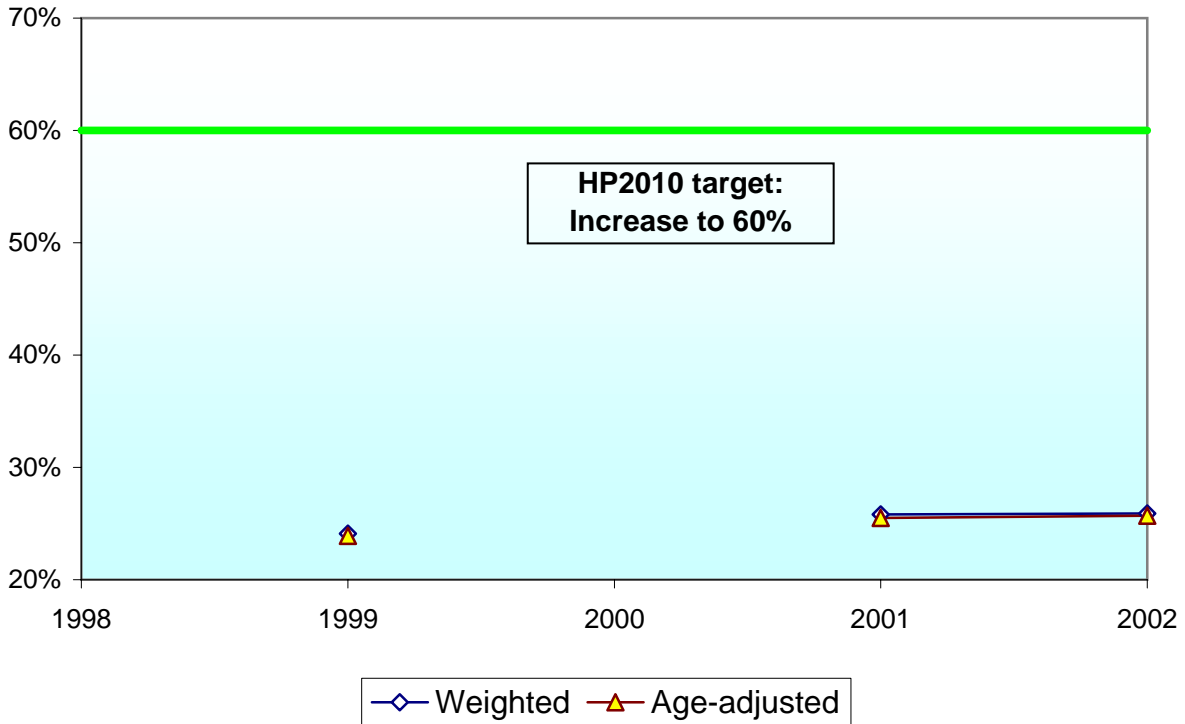
PERCENT	1998	1999	2000	2001	2002
Weighted percent		25.1		30.5	25.6
C.I (95%)		(21.3 - 29.4)		(27.2 - 33.5)	(23.5 - 27.7)
Age-adjusted percent		25.0		29.9	25.0
C.I (95%)		(21.3 - 29.1)		(27.2 - 32.8)	(23.0 - 27.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 14-29c/Supplement 3

**Percent of White adults aged 18 to 64  
who had a flu shot in past 12 months  
Hawaii, 1998-2002**



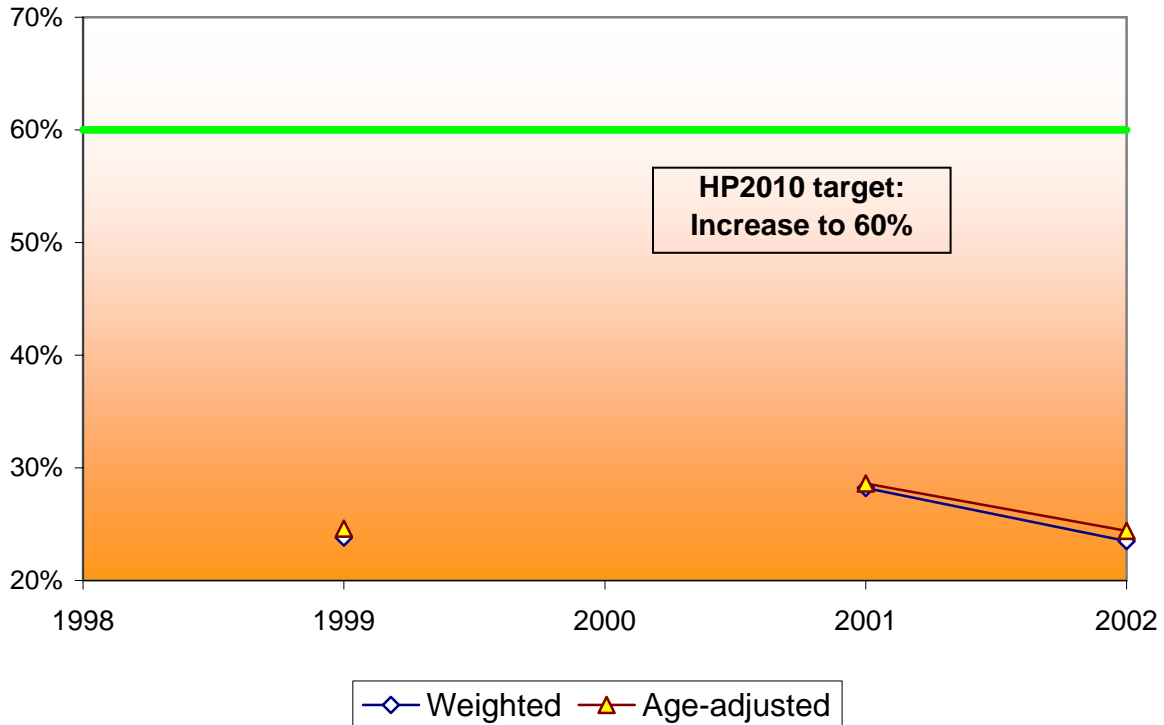
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		81		344	446
DID NOT HAVE		328		1219	1584
TOTAL		409		1563	2030

PERCENT	1998	1999	2000	2001	2002
Weighted percent		24.1		25.8	25.9
C.I (95%)		(19.1 - 30.0)		(22.9 - 28.9)	(23.1 - 28.8)
Age-adjusted percent		23.9		25.5	25.7
C.I (95%)		(18.9 - 29.8)		(22.6 - 28.6)	(22.9 - 28.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 4

**Percent of Hawaiians aged 18 to 64  
who had a flu shot in past 12 months  
Hawaii, 1998-2002**



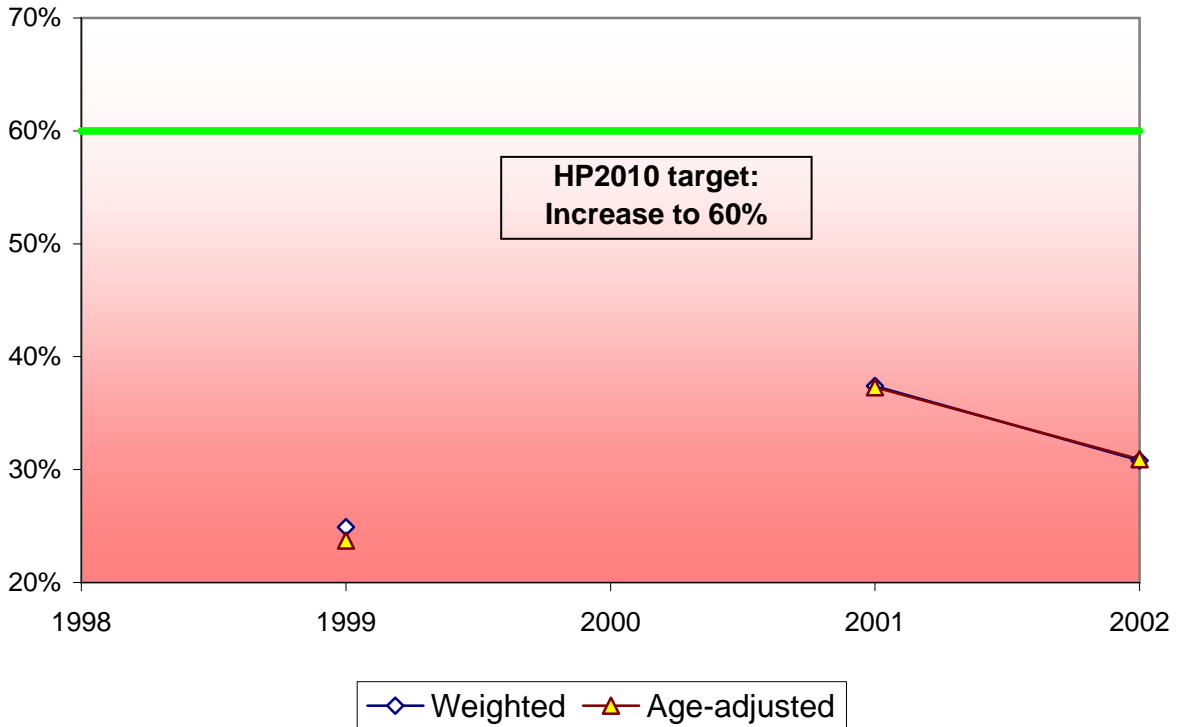
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		35		124	164
DID NOT HAVE		165		382	492
TOTAL		200		506	656

PERCENT	1998	1999	2000	2001	2002
Weighted percent		23.8		28.2	23.5
C.I (95%)		(15.8 - 34.2)		(22.8 - 34.2)	(19.3 - 28.2)
Age-adjusted percent		24.6		28.6	24.4
C.I (95%)		(16.7 - 34.8)		(23.3 - 34.6)	(20.3 - 29.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 5

**Percent of Filipinos aged 18 to 64  
who had a flu shot in past 12 months  
Hawaii, 1998-2002**



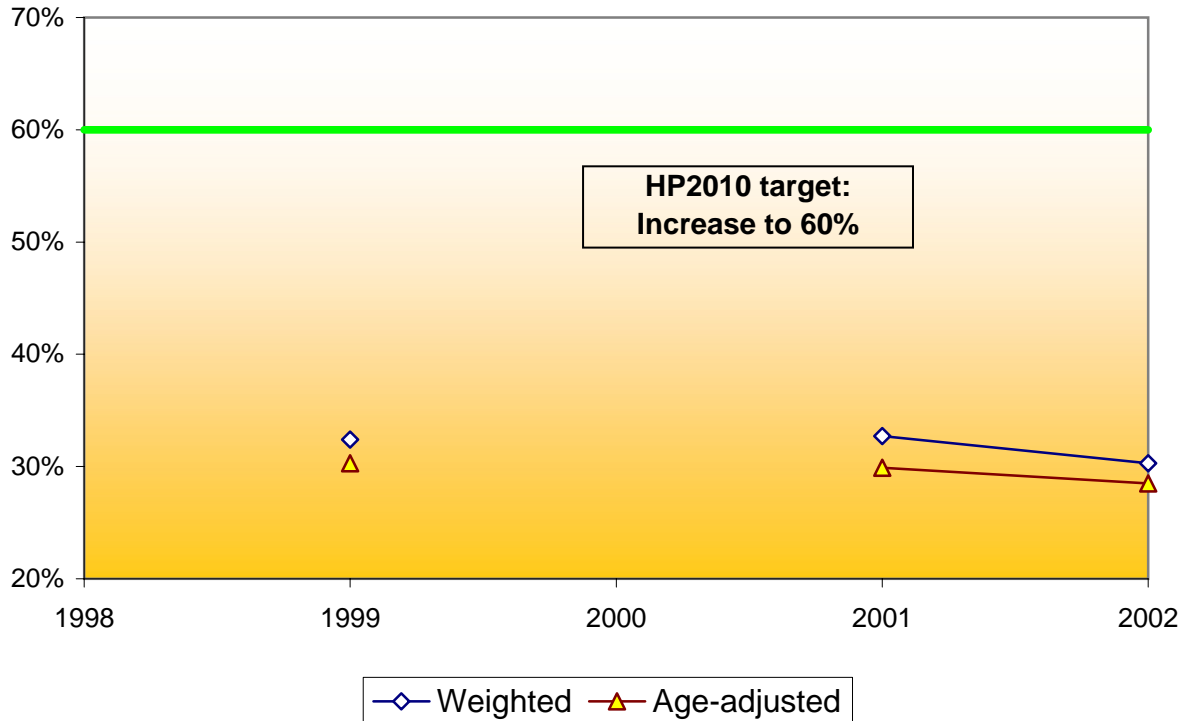
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		29		153	192
DID NOT HAVE		124		313	447
TOTAL		153		466	639

PERCENT	1998	1999	2000	2001	2002
Weighted percent		24.9		37.4	30.8
C.I (95%)		(16.0 - 36.6)		(30.8 - 44.6)	(26.3 - 35.8)
Age-adjusted percent		23.7		37.3	30.9
C.I (95%)		(15.7 - 34.1)		(30.8 - 44.3)	(26.3 - 35.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 6

**Percent of Japanese aged 18 to 64  
who had a flu shot in past 12 months  
Hawaii, 1998-2002**



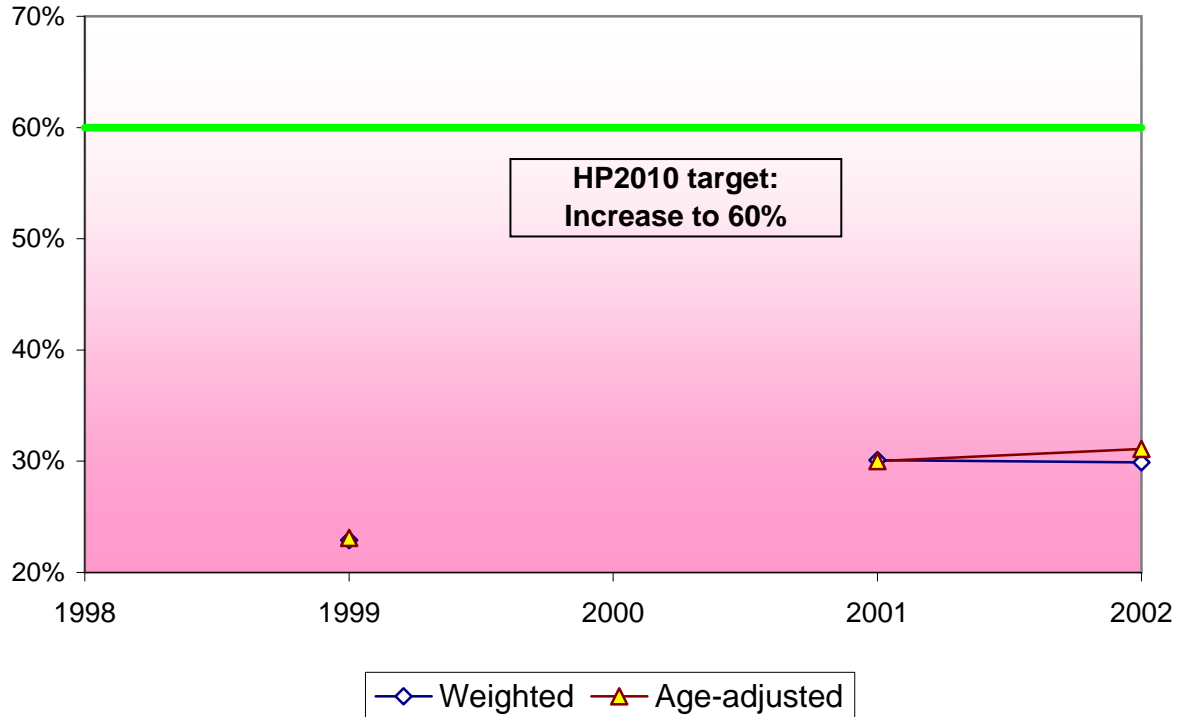
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		69		175	218
DID NOT HAVE		164		415	520
TOTAL		233		590	738

PERCENT	1998	1999	2000	2001	2002
Weighted percent		32.4		32.7	30.3
C.I (95%)		(25.5 - 40.2)		(27.6 - 38.2)	(26.2 - 34.8)
Age-adjusted percent		30.3		29.9	28.5
C.I (95%)		(23.4 - 38.4)		(24.9 - 35.5)	(24.5 - 32.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 7

**Percent of adults of other races aged 18 to 64  
who had a flu shot in past 12 months  
Hawaii, 1998-2002**



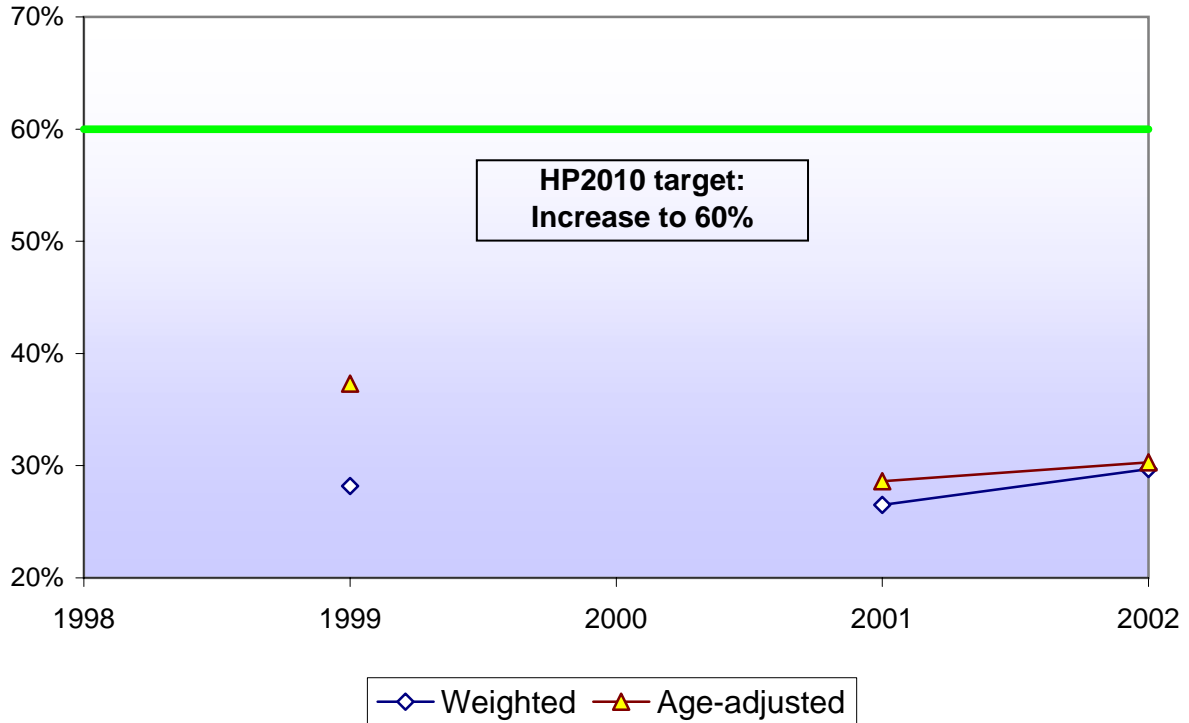
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		155		166	196
DID NOT HAVE		604		383	476
TOTAL		759		549	672

PERCENT	1998	1999	2000	2001	2002
Weighted percent		22.9		30.1	29.9
C.I (95%)		(19.1 - 27.2)		(25.5 - 35.1)	(25.7 - 34.5)
Age-adjusted percent		23.1		30.0	31.1
C.I (95%)		(19.3 - 27.3)		(25.5 - 35.0)	(26.9 - 35.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 8

**Percent of adults aged 18 to 64 in low income household who had a flu shot in past 12 months  
Hawaii, 1998-2002**



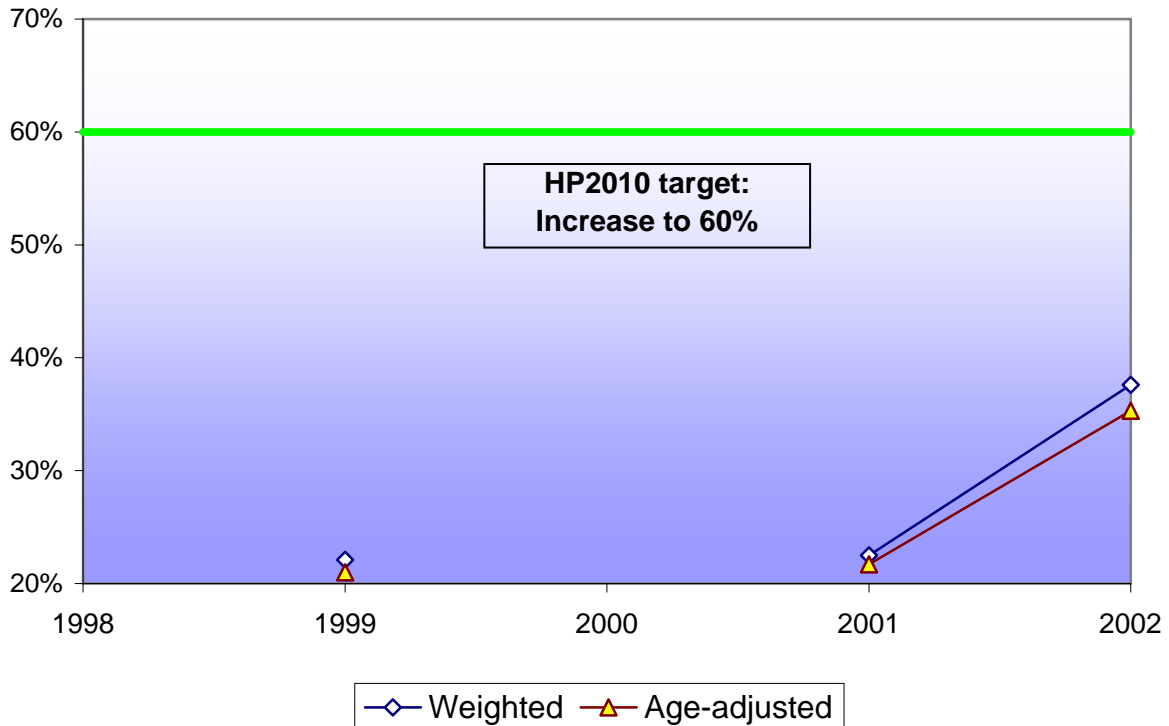
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		19		47	49
DID NOT HAVE		77		127	144
TOTAL		96		174	193

PERCENT	1998	1999	2000	2001	2002
Weighted percent		28.2		26.5	29.7
C.I (95%)		(16.1 - 44.1)		(16.6 - 39.3)	(20.4 - 41.0)
Age-adjusted percent		37.3		28.6	30.3
C.I (95%)		(25.9 - 50.8)		(19.6 - 39.6)	(20.1 - 42.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 9

**Percent of adults aged 25 to 64 with less education who had a flu shot in past 12 months  
Hawaii, 1998-2002**



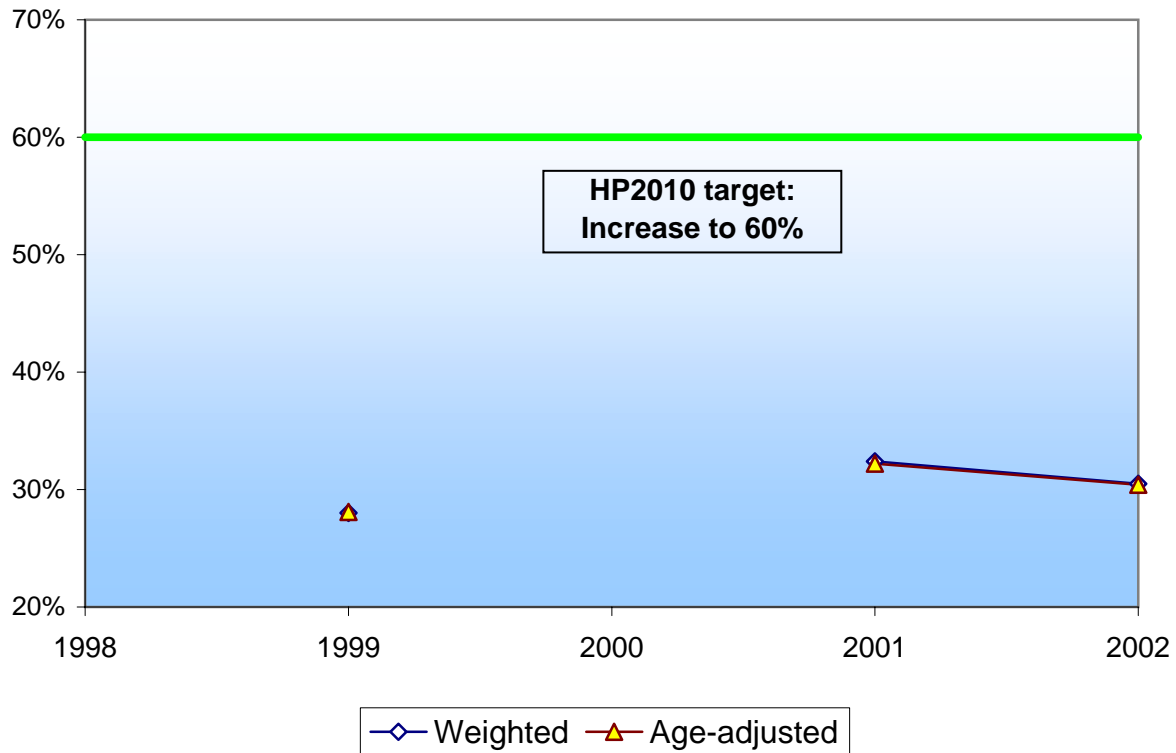
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		14		32	66
DID NOT HAVE		49		92	90
TOTAL		63		124	156

PERCENT	1998	1999	2000	2001	2002
Weighted percent		22.1		22.5	37.6
C.I (95%)		(11.7 - 37.7)		(14.6 - 33.1)	(28.0 - 48.3)
Age-adjusted percent		21.0		21.7	35.3
C.I (95%)		(10.2 - 38.4)		(13.7 - 32.5)	(26.1 - 45.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 14-29c/Supplement 10**

**Percent of adults aged 18 to 64  
who had a flu shot in past 12 months  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		224		499	657
DID NOT HAVE		615		1057	1555
TOTAL		839		1556	2212

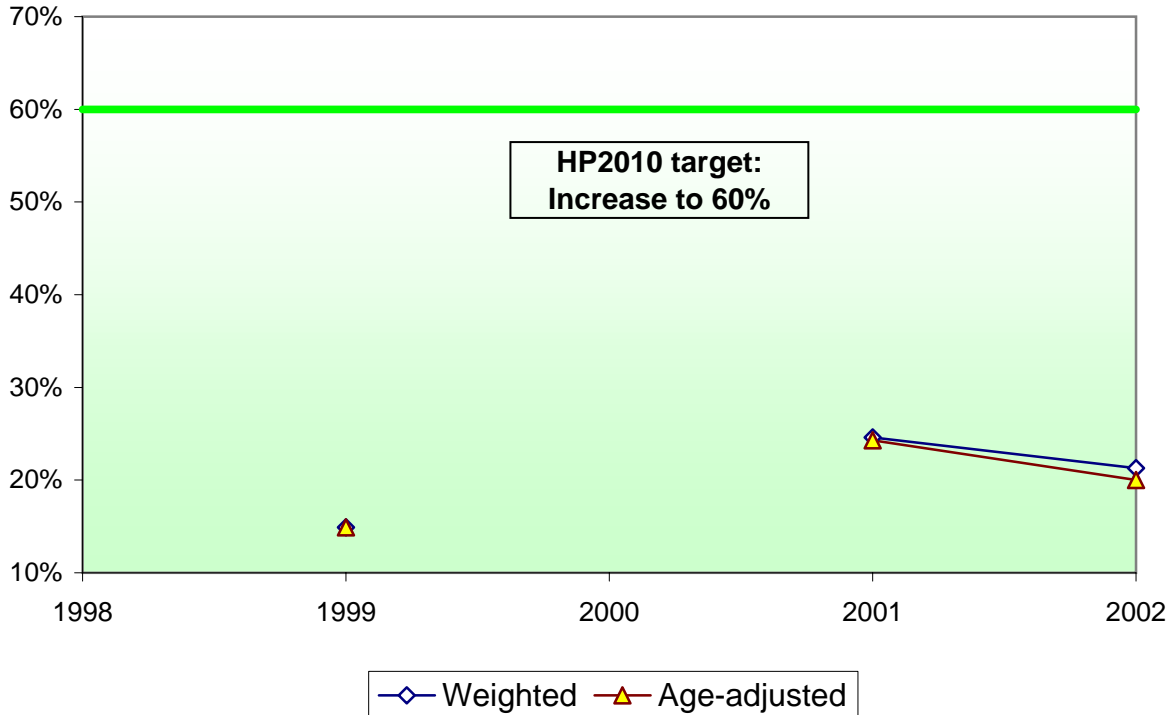
PERCENT	1998	1999	2000	2001	2002
Weighted percent		28.0		32.4	30.5
C.I (95%)		(24.5 - 31.7)		(29.7 - 35.2)	(28.2 - 32.8)
Age-adjusted percent		28.1		32.2	30.4
C.I (95%)		(24.6 - 31.8)		(29.5 - 35.0)	(28.2 - 32.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 14-29c/Supplement 11

**Percent of adults aged 18 to 64  
who had a flu shot in past 12 months  
Hawaii county, Hawaii, 1998-2002**



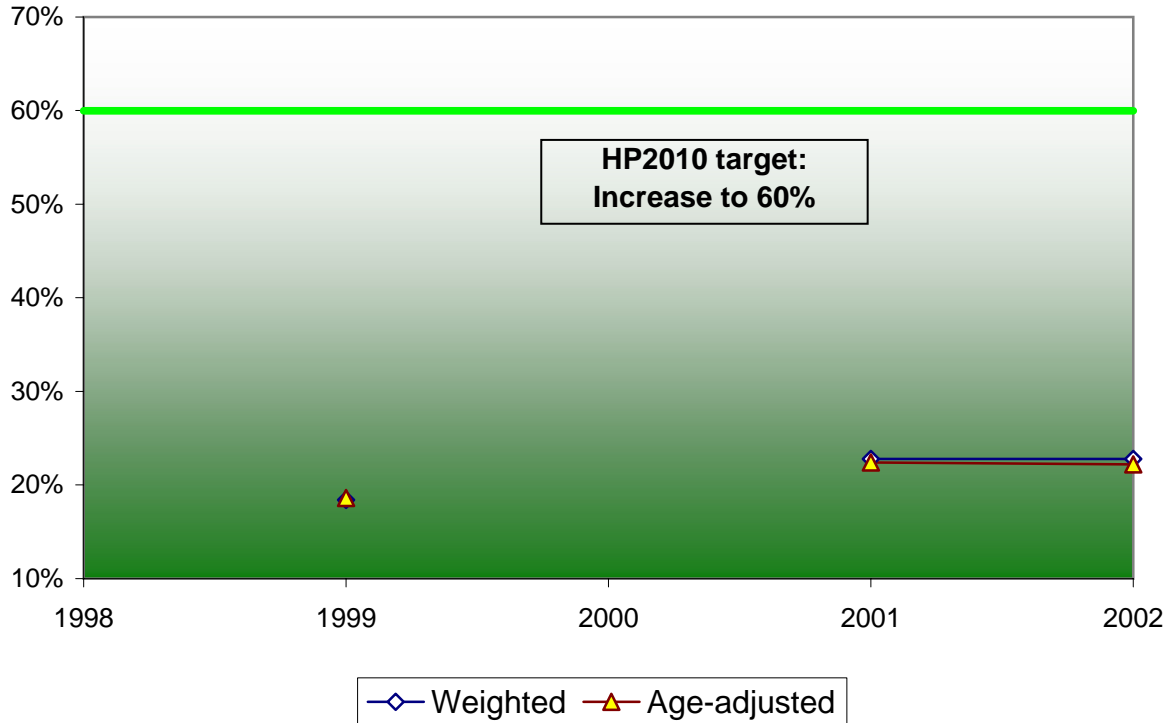
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		67		186	238
DID NOT HAVE		339		629	814
TOTAL		406		815	1052

PERCENT	1998	1999	2000	2001	2002
Weighted percent		14.9		24.6	21.3
C.I (95%)		(11.3 - 19.4)		(21.0 - 28.5)	(18.5 - 24.3)
Age-adjusted percent		14.9		24.3	20.0
C.I (95%)		(11.2 - 19.5)		(20.7 - 28.2)	(17.2 - 23.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 12

**Percent of adults aged 18 to 64  
who had a flu shot in past 12 months  
Kauai county, Hawaii, 1998-2002**



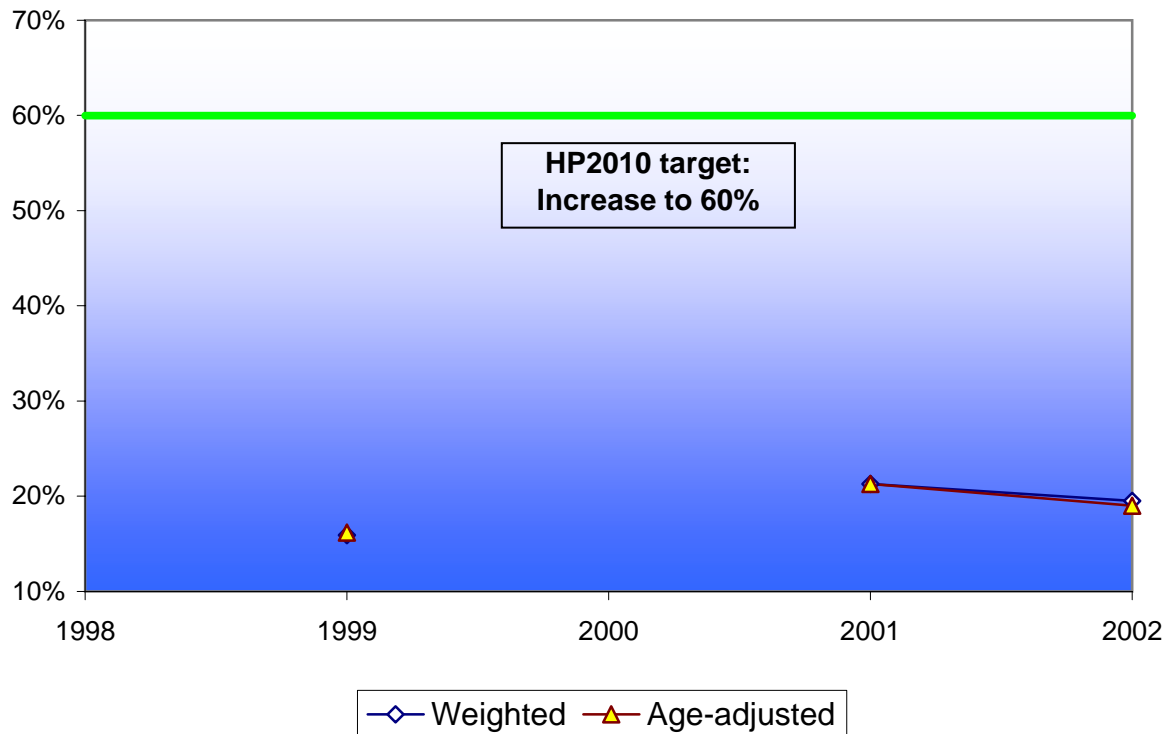
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		27		107	108
DID NOT HAVE		131		346	365
TOTAL		158		453	473

PERCENT	1998	1999	2000	2001	2002
Weighted percent		18.4		22.8	22.8
C.I (95%)		(12.5 - 26.3)		(18.6 - 27.6)	(18.7 - 27.5)
Age-adjusted percent		18.6		22.4	22.2
C.I (95%)		(12.8 - 26.2)		(18.2 - 27.1)	(18.0 - 27.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29c/Supplement 13

**Percent of adults aged 18 to 64 who had a flu shot in past 12 months  
Maui county, Hawaii, 1998-2002**



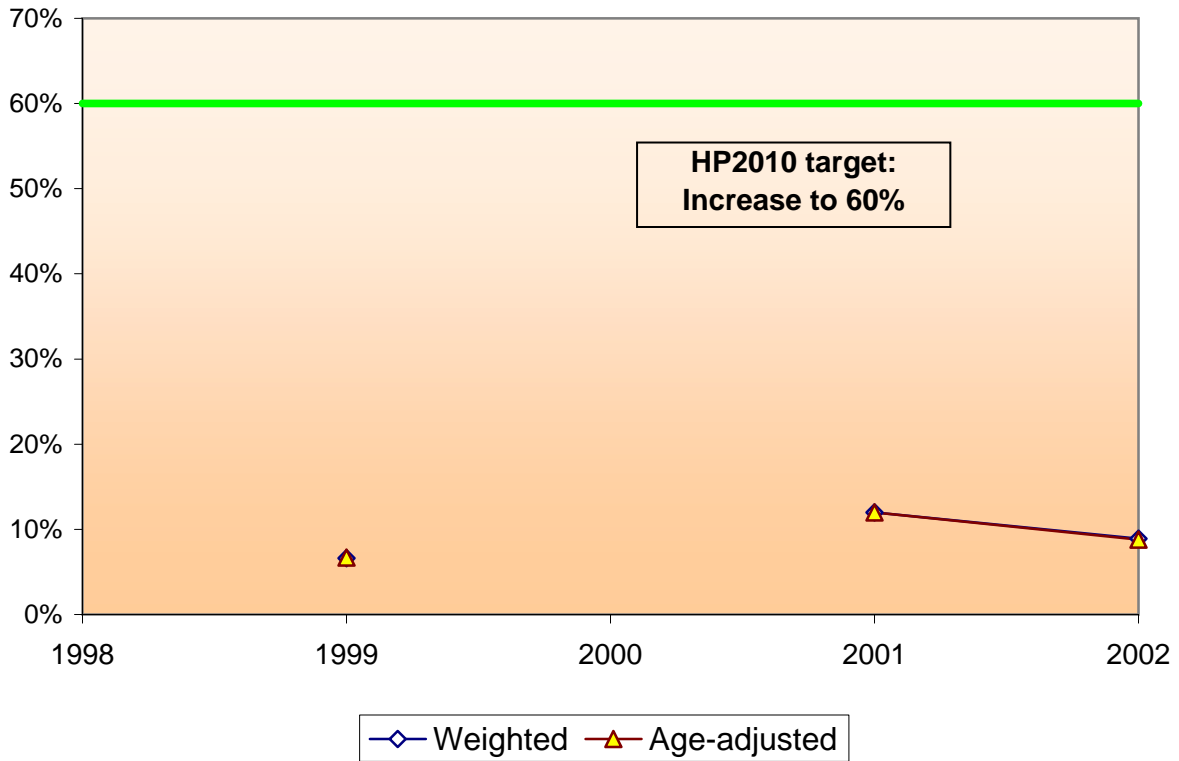
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		51		170	213
DID NOT HAVE		300		680	785
TOTAL		351		850	998

PERCENT	1998	1999	2000	2001	2002
Weighted percent		15.9		21.3	19.5
C.I (95%)		(11.6 - 21.3)		(17.8 - 25.2)	(16.8 - 22.5)
Age-adjusted percent		16.2		21.3	19.0
C.I (95%)		(11.9 - 21.6)		(17.7 - 25.3)	(16.3 - 22.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d

**Percent of adults aged 18 to 64 who had a pneumonia shot  
Hawaii, 1998-2002**



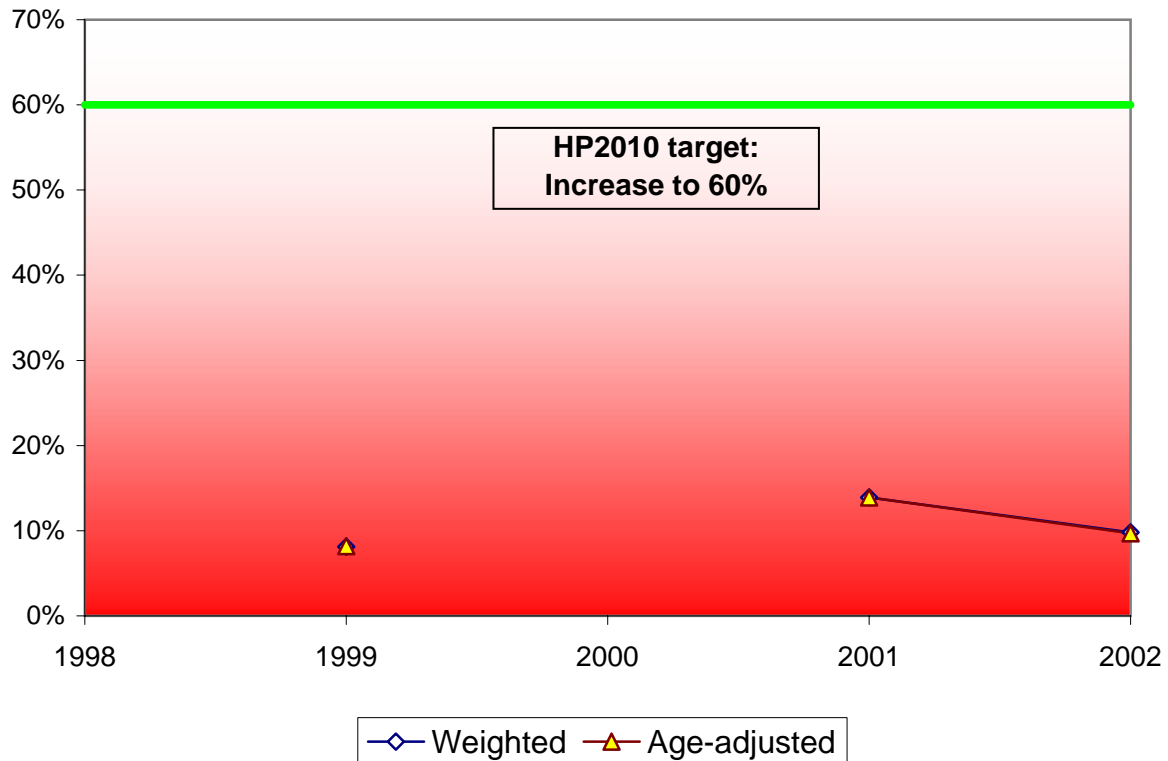
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		105		372	424
DID NOT HAVE		1590		3204	4242
TOTAL		1695		3576	4666

PERCENT	1998	1999	2000	2001	2002
Weighted percent		6.6		12.0	8.9
C.I (95%)		(5.3 - 8.3)		(10.4 - 13.8)	(7.8 - 10.2)
Age-adjusted percent		6.7		12.0	8.8
C.I (95%)		(5.3 - 8.4)		(10.4 - 13.8)	(7.7 - 10.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 1

Percent of men aged 18 to 64 who had a pneumonia shot  
Hawaii, 1998-2002



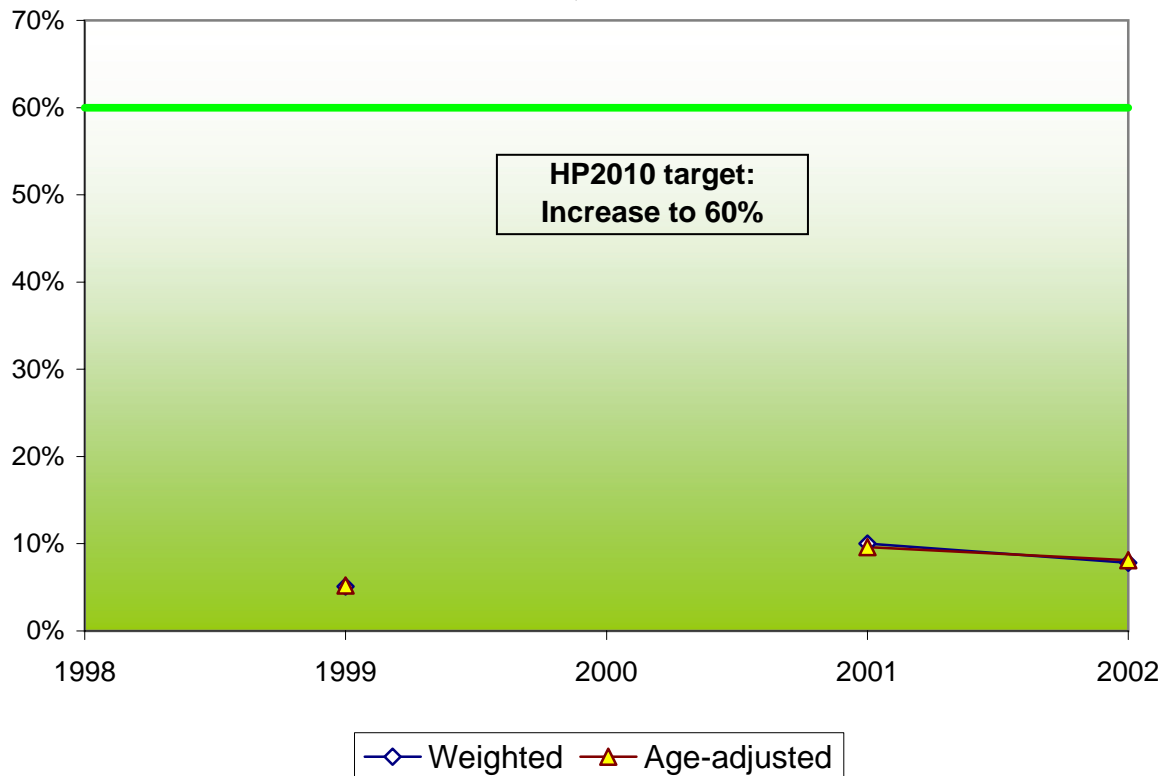
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		67		188	190
DID NOT HAVE		726		1373	1876
TOTAL		793		1561	2066

PERCENT	1998	1999	2000	2001	2002
Weighted percent		8.1		13.9	9.8
C.I (95%)		(6.1 - 10.7)		(11.5 - 16.8)	(8.0 - 11.8)
Age-adjusted percent		8.2		13.9	9.7
C.I (95%)		(6.1 - 10.8)		(11.5 - 16.8)	(8.0 - 11.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 2

**Percent of women aged 18 to 64 who had a pneumonia shot  
Hawaii, 1998-2002**



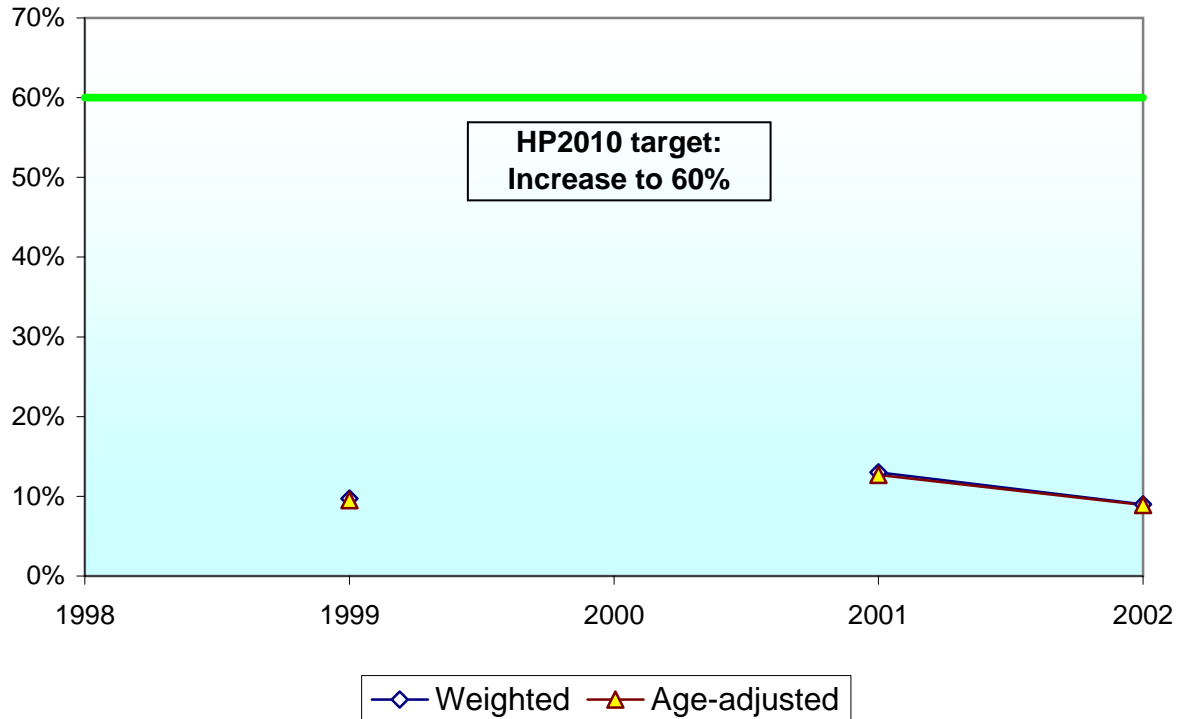
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		38		184	234
DID NOT HAVE		864		1831	2366
TOTAL		902		2015	2600

PERCENT	1998	1999	2000	2001	2002
Weighted percent		5.1		10.0	7.8
C.I (95%)		(3.5 - 7.4)		(8.1 - 12.3)	(6.6 - 9.1)
Age-adjusted percent		5.2		9.6	8.1
C.I (95%)		(3.6 - 7.6)		(7.7 - 11.8)	(6.9 - 9.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 3

**Percent of White adults aged 18 to 64  
who had a pneumonia shot  
Hawaii, 1998-2002**



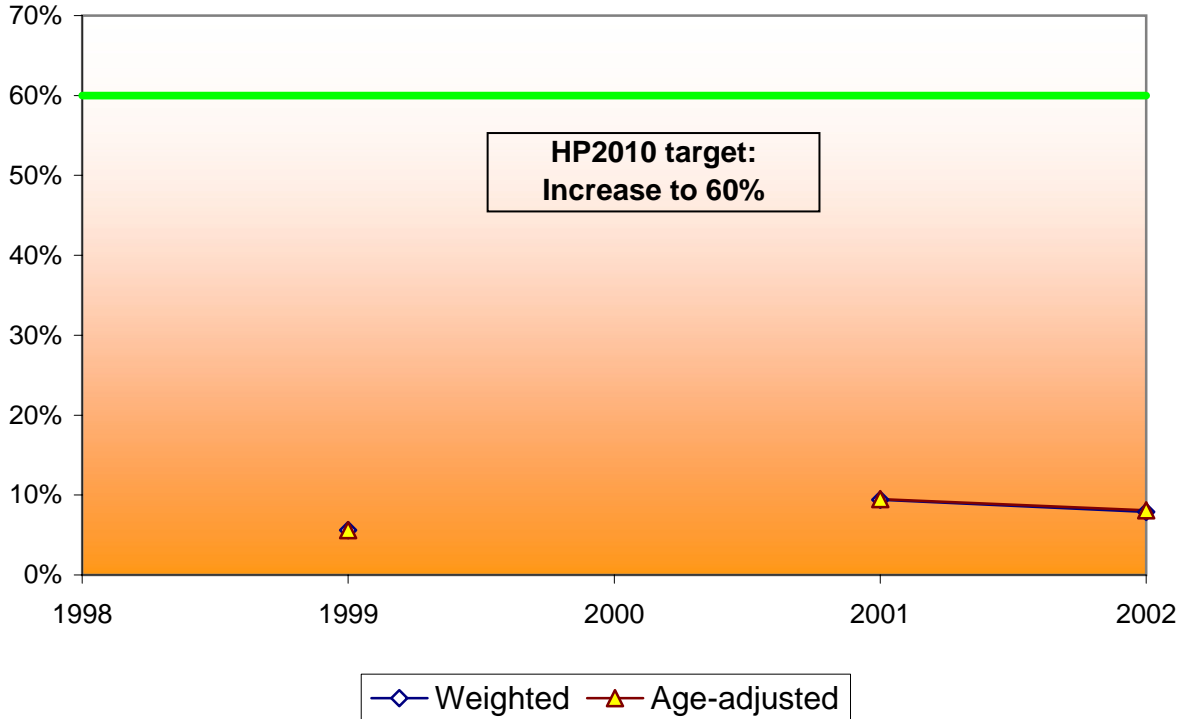
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		33		174	178
DID NOT HAVE		360		1345	1823
TOTAL		393		1519	2001

PERCENT	1998	1999	2000	2001	2002
Weighted percent		9.7		13.0	9.0
C.I (95%)		(6.6 - 14.0)		(10.8 - 15.5)	(7.4 - 11.0)
Age-adjusted percent		9.5		12.7	8.9
C.I (95%)		(6.5 - 13.7)		(10.5 - 15.3)	(7.2 - 10.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 4

**Percent of Hawaiians aged 18 to 64  
who had a pneumonia shot  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		12		54	55
DID NOT HAVE		179		444	595
TOTAL		191		498	650

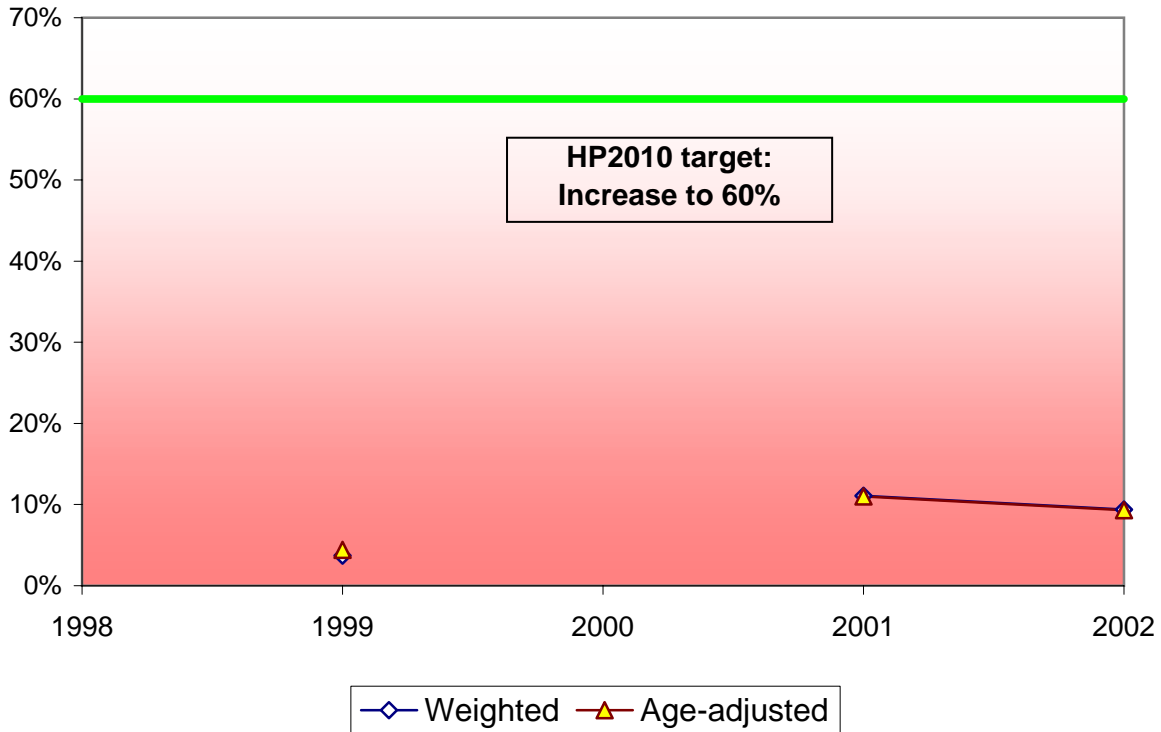
PERCENT	1998	1999	2000	2001	2002
Weighted percent		5.6		9.4	7.9
C.I (95%)		(2.7 - 11.3)		(6.6 - 13.3)	(5.4 - 11.4)
Age-adjusted percent		5.6		9.5	8.1
C.I (95%)		(2.8 - 11.1)		(6.7 - 13.4)	(5.7 - 11.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 14-29d/Supplement 5

**Percent of Filipinos aged 18 to 64  
who had a pneumonia shot  
Hawaii, 1998-2002**



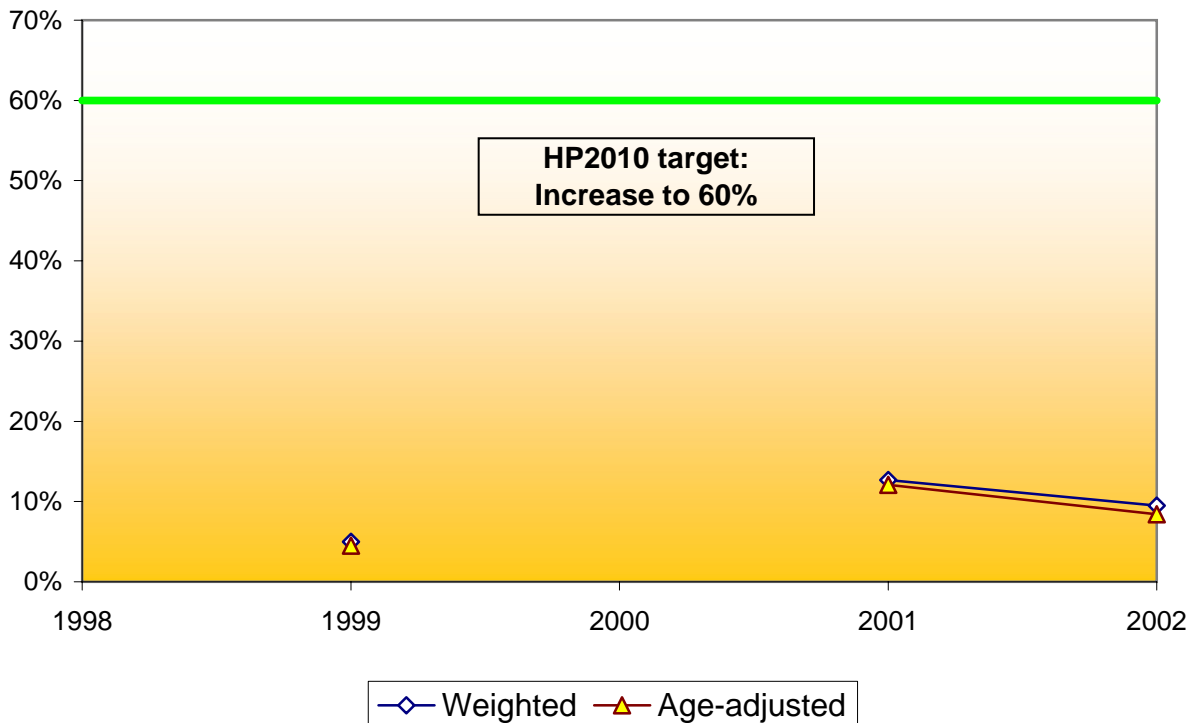
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		5		38	62
DID NOT HAVE		144		416	567
TOTAL		149		454	629

PERCENT	1998	1999	2000	2001	2002
Weighted percent		3.7		11.1	9.4
C.I (95%)		(1.3 - 9.7)		(6.3 - 18.6)	(6.7 - 12.9)
Age-adjusted percent		4.4		11.0	9.3
C.I (95%)		(1.7 - 10.9)		(6.7 - 17.3)	(6.7 - 12.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 6

**Percent of Japanese aged 18 to 64  
who had a pneumonia shot  
Hawaii, 1998-2002**



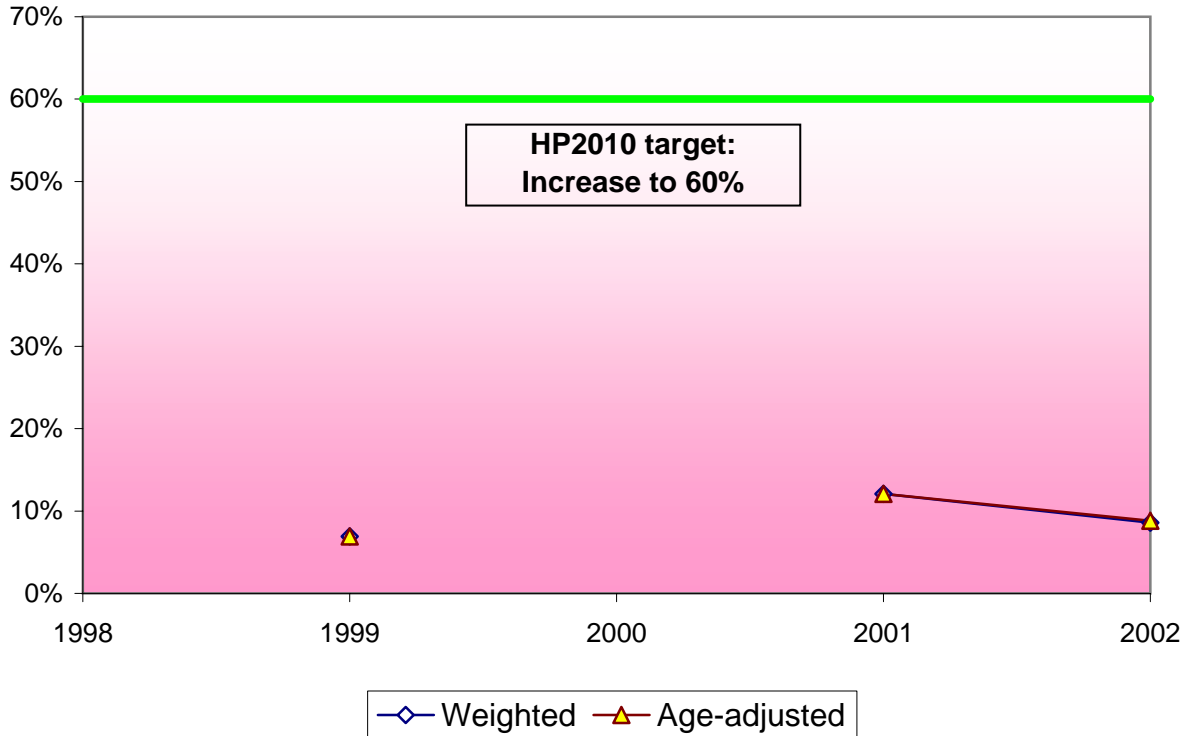
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		12		50	65
DID NOT HAVE		217		524	664
TOTAL		229		574	729

PERCENT	1998	1999	2000	2001	2002
Weighted percent		5.0		12.7	9.5
C.I (95%)		(2.5 - 9.9)		(8.7 - 18.1)	(6.7 - 13.3)
Age-adjusted percent		4.5		12.1	8.4
C.I (95%)		(2.2 - 9.2)		(8.1 - 17.6)	(5.8 - 11.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 7

**Percent of adults of other races aged 18 to 64  
who had a pneumonia shot  
Hawaii, 1998-2002**



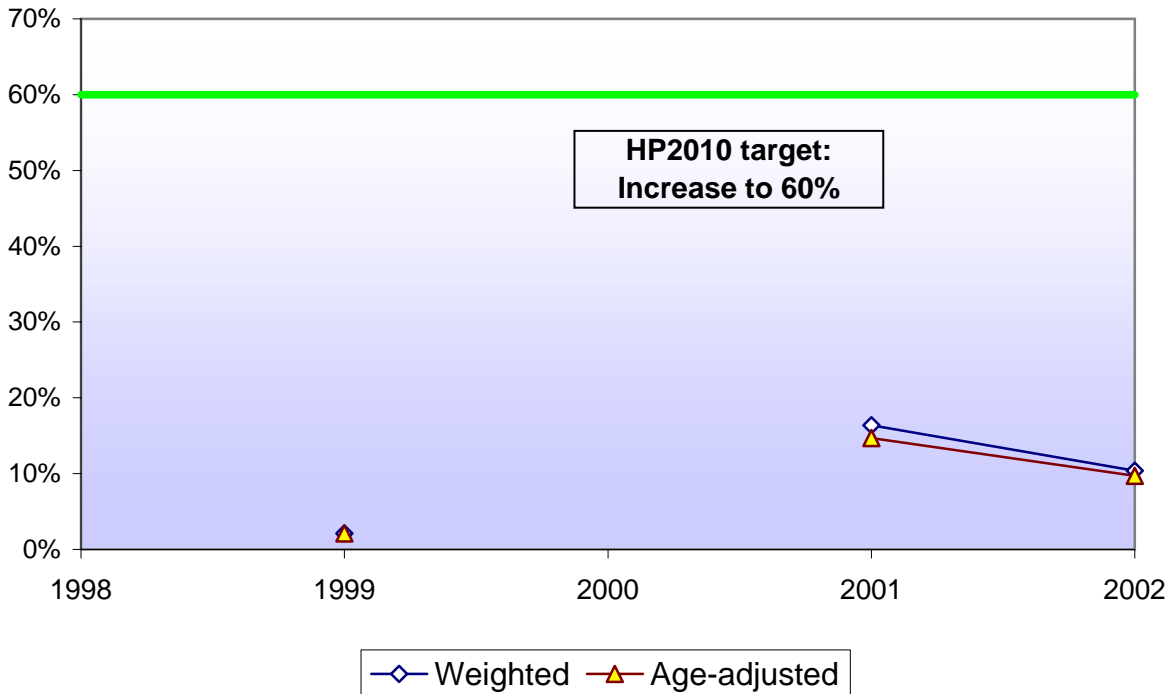
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		43		56	64
DID NOT HAVE		690		475	611
TOTAL		733		531	675

PERCENT	1998	1999	2000	2001	2002
Weighted percent		6.9		12.1	8.6
C.I (95%)		(4.8 - 9.7)		(8.8 - 16.4)	(6.4 - 11.4)
Age-adjusted percent		6.9		12.1	8.8
C.I (95%)		(4.9 - 9.8)		(8.9 - 16.3)	(6.6 - 11.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 8

**Percent of adults aged 18 to 64 with low income who had a pneumonia shot  
Hawaii, 1998-2002**



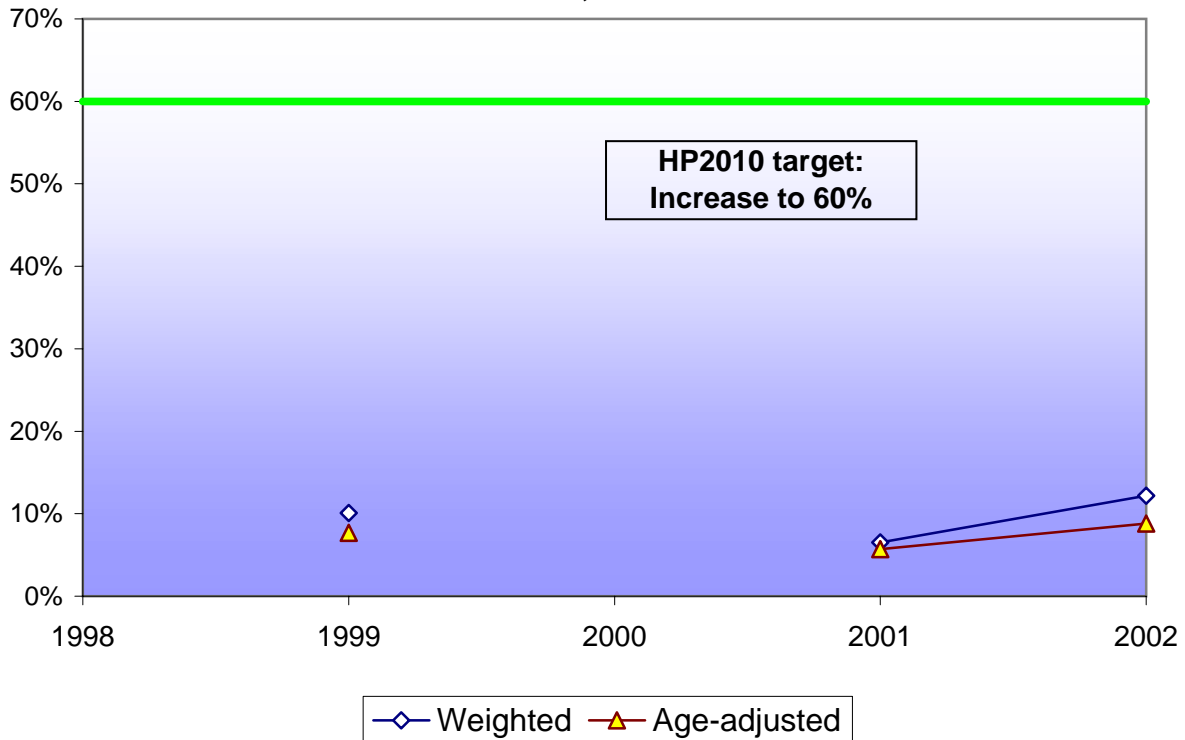
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		2		17	16
DID NOT HAVE		90		151	174
TOTAL		92		168	190

PERCENT	1998	1999	2000	2001	2002
Weighted percent		2.1		16.4	10.4
C.I (95%)		(0.5 - 8.9)		(7.4 - 32.7)	(5.4 - 19.1)
Age-adjusted percent		2.1		14.7	9.7
C.I (95%)		(0.5 - 8.8)		(8.1 - 25.3)	(5.3 - 16.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 14-29d/Supplement 9**

**Percent of adults aged 25 to 64 with less education who had a pneumonia shot  
Hawaii, 1998-2002**



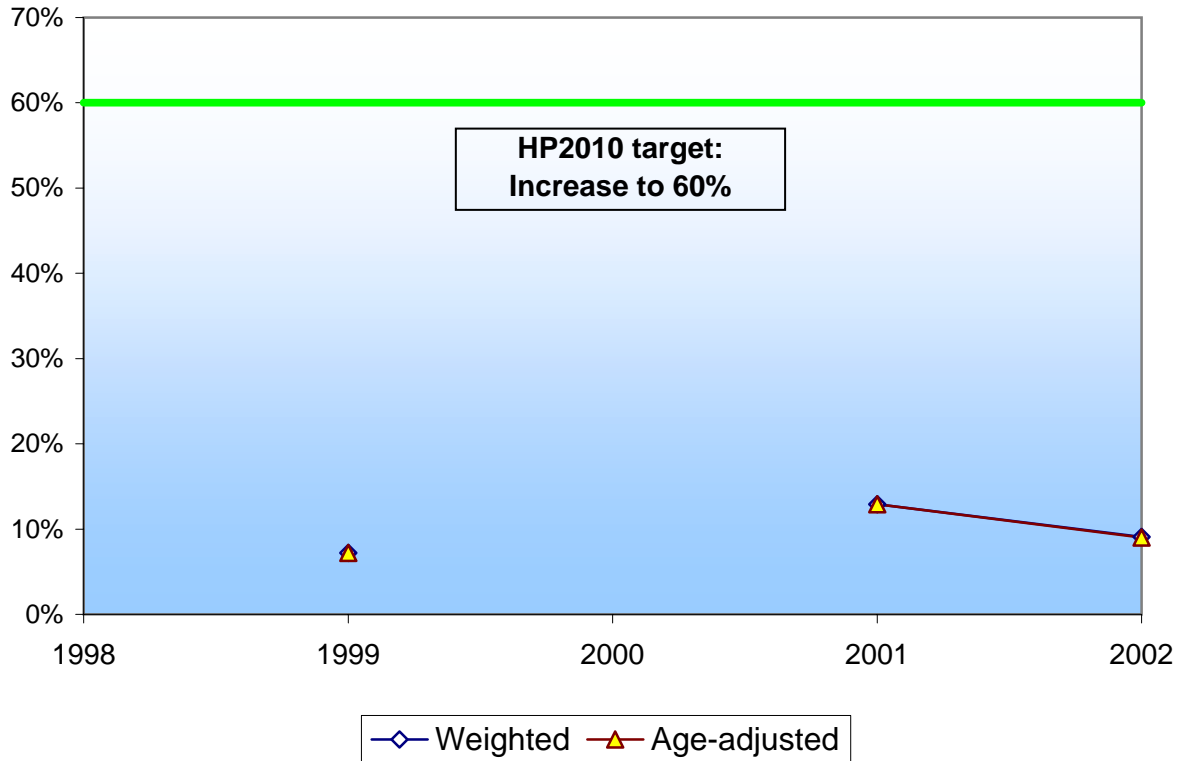
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		6		13	17
DID NOT HAVE		54		108	137
TOTAL		60		121	154

PERCENT	1998	1999	2000	2001	2002
Weighted percent		10.1		6.5	12.2
C.I (95%)		(4.2 - 22.3)		(2.8 - 14.2)	(6.7 - 21.2)
Age-adjusted percent		7.7		5.7	8.8
C.I (95%)		(3.3 - 16.6)		(2.6 - 12.0)	(5.0 - 15.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 10

**Percent of adults aged 18 to 64 who had a pneumonia shot  
Honolulu county, Hawaii, 1998-2002**



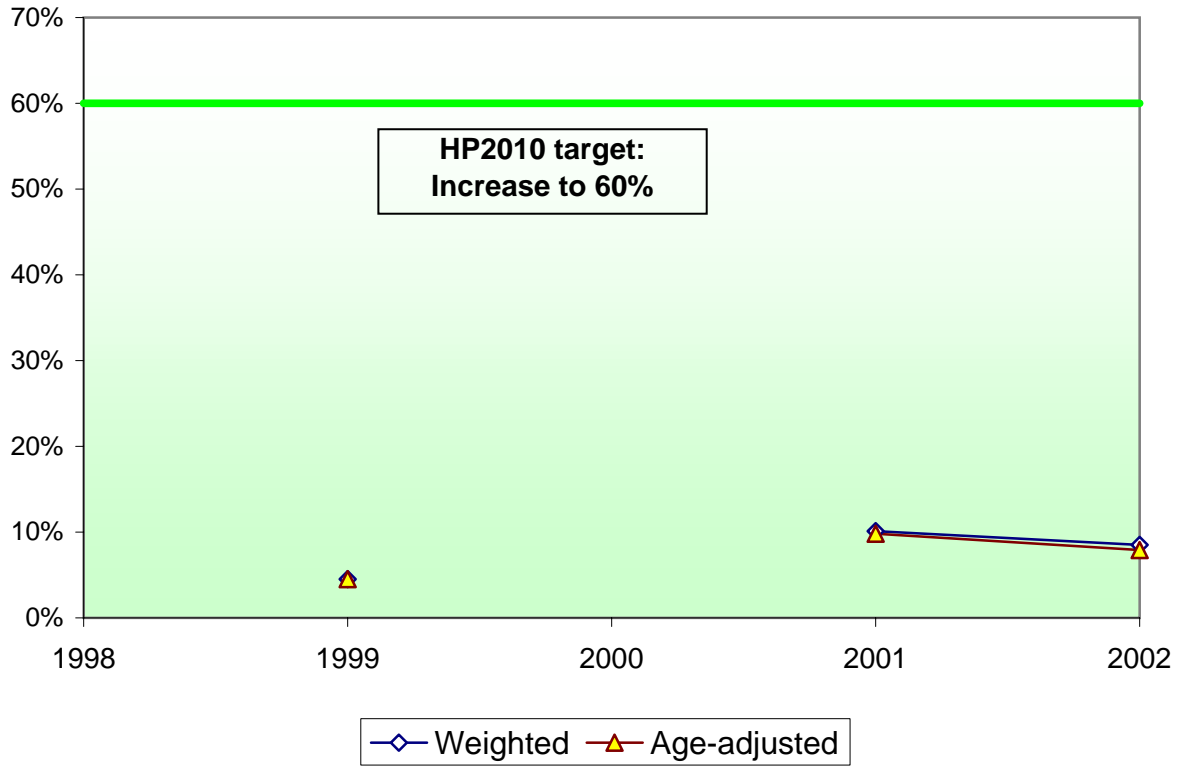
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		62		178	191
DID NOT HAVE		742		1326	1982
TOTAL		804		1504	2173

PERCENT	1998	1999	2000	2001	2002
Weighted percent		7.2		12.9	9.1
C.I (95%)		(5.5 - 9.4)		(10.9 - 15.3)	(7.7 - 10.8)
Age-adjusted percent		7.2		12.9	9.0
C.I (95%)		(5.5 - 9.5)		(10.8 - 15.3)	(7.6 - 10.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 11

**Percent of adults aged 18 to 64 who had a pneumonia shot  
Hawaii county, Hawaii, 1998-2002**



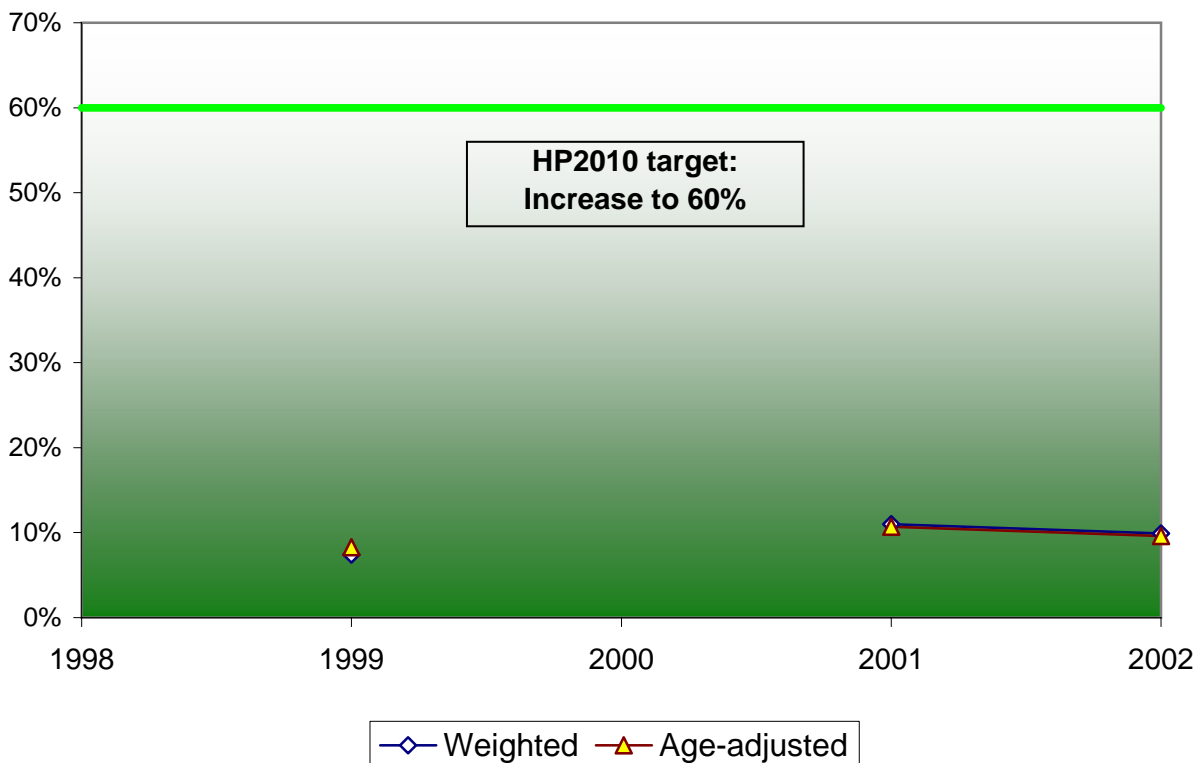
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		19		75	96
DID NOT HAVE		377		721	940
TOTAL		396		796	1036

PERCENT	1998	1999	2000	2001	2002
Weighted percent		4.5		10.1	8.5
C.I (95%)		(2.6 - 7.4)		(7.6 - 13.3)	(6.8 - 10.6)
Age-adjusted percent		4.5		9.8	7.9
C.I (95%)		(2.6 - 7.5)		(7.3 - 12.9)	(6.2 - 10.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 14-29d/Supplement 12

**Percent of adults aged 18 to 64 who had a pneumonia shot  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		9		48	48
DID NOT HAVE		144		394	423
TOTAL		153		442	471

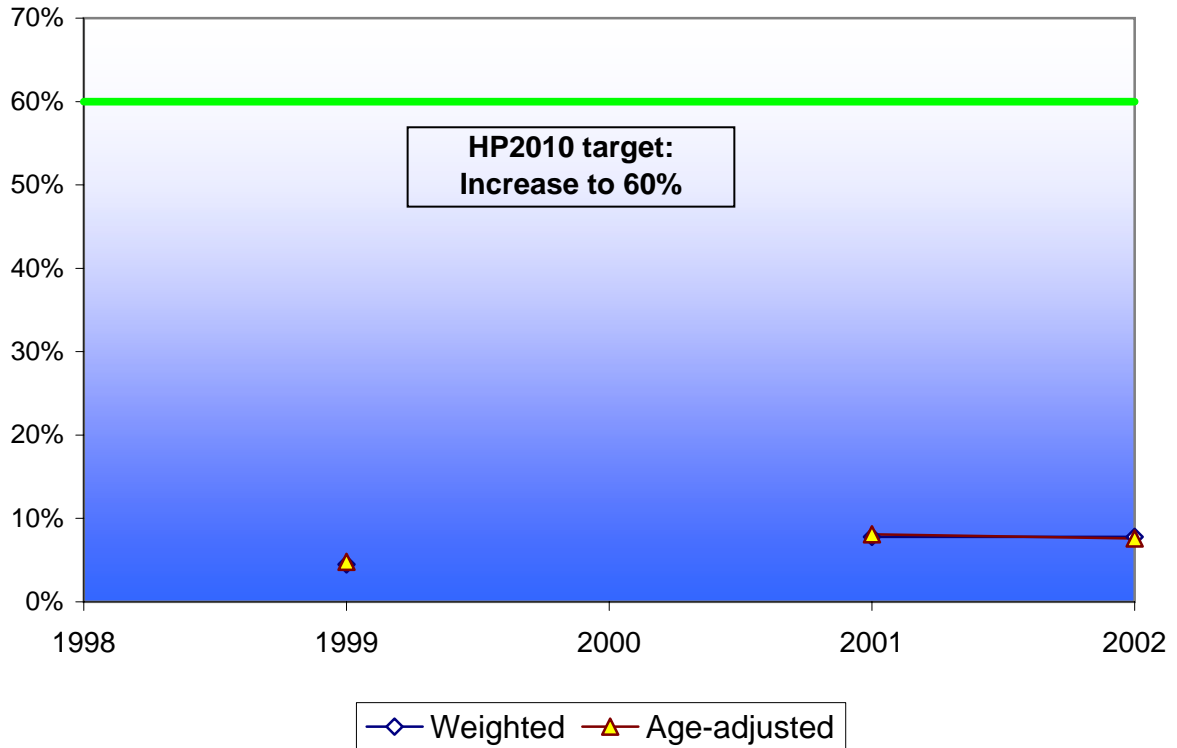
PERCENT	1998	1999	2000	2001	2002
Weighted percent		7.4		11.0	9.9
C.I (95%)		(3.8 - 13.8)		(7.9 - 15.0)	(7.0 - 13.7)
Age-adjusted percent		8.3		10.7	9.6
C.I (95%)		(4.2 - 15.6)		(7.7 - 14.7)	(6.6 - 13.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 14-29d/Supplement 13**

**Percent of adults aged 18 to 64 who had a pneumonia shot  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
HAD		15		71	89
DID NOT HAVE		327		763	897
TOTAL		342		834	986

PERCENT	1998	1999	2000	2001	2002
Weighted percent		4.5		7.8	7.8
C.I (95%)		(2.4 - 8.5)		(5.7 - 10.5)	(6.1 - 9.9)
Age-adjusted percent		4.8		8.1	7.6
C.I (95%)		(2.6 - 8.9)		(5.8 - 11.1)	(5.9 - 9.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

# NUTRITION AND OVERWEIGHT

## **Objective 19-1**

*Increase the proportion of adults (aged 20+) who are at healthy weight to **60%***

## **Objective 19-2**

*Reduce the proportion of adults (aged 20+) who are obese to **15%***

## **Objective 19-5**

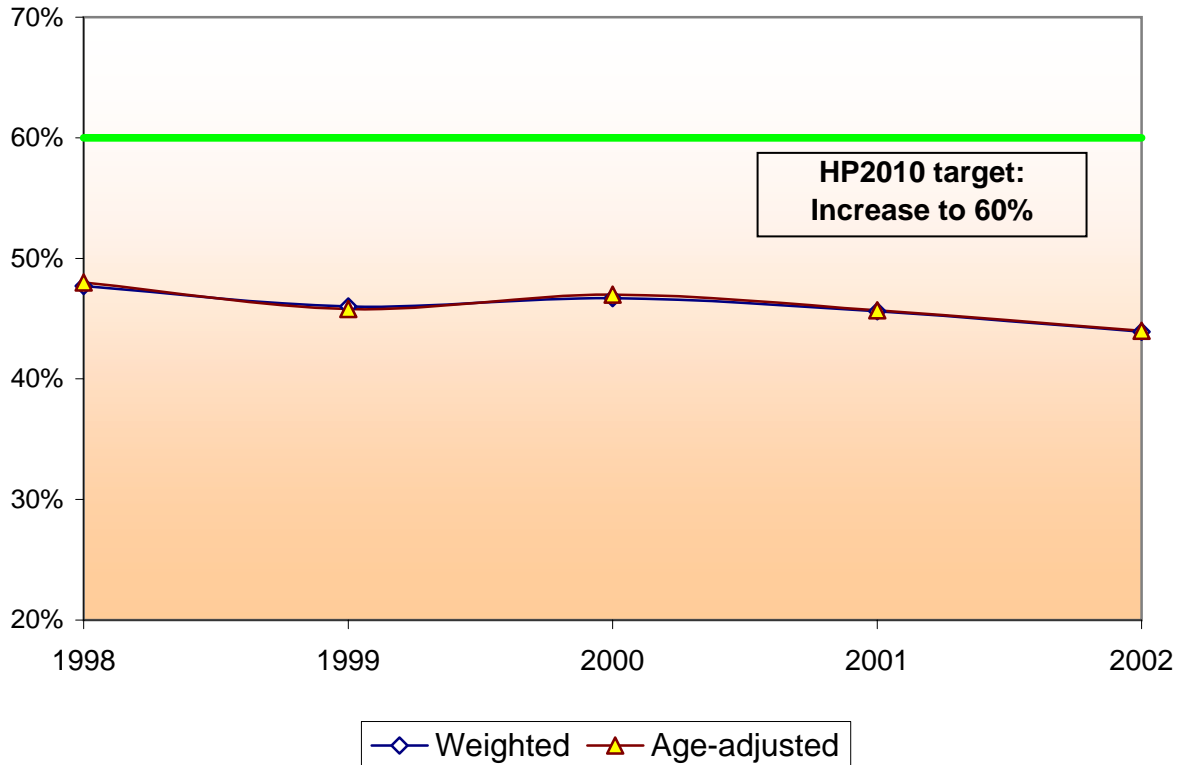
*Increase the proportion of persons (aged 2 years and older) who consume at least two daily servings of fruit to **75%***

## **Objective 19-6**

*Increase the proportion of persons (aged 2 years and older) who consume at least three daily servings of vegetables, with at least one-third being dark green or orange vegetables to **50%***

## **OBJECTIVE 19-1**

**Percent of adults aged 20+ who are at healthy weight  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	1033	979	2762	2052	2598
ARE NOT	1049	1093	3005	2271	3128
TOTAL	2082	2072	5767	4323	5726

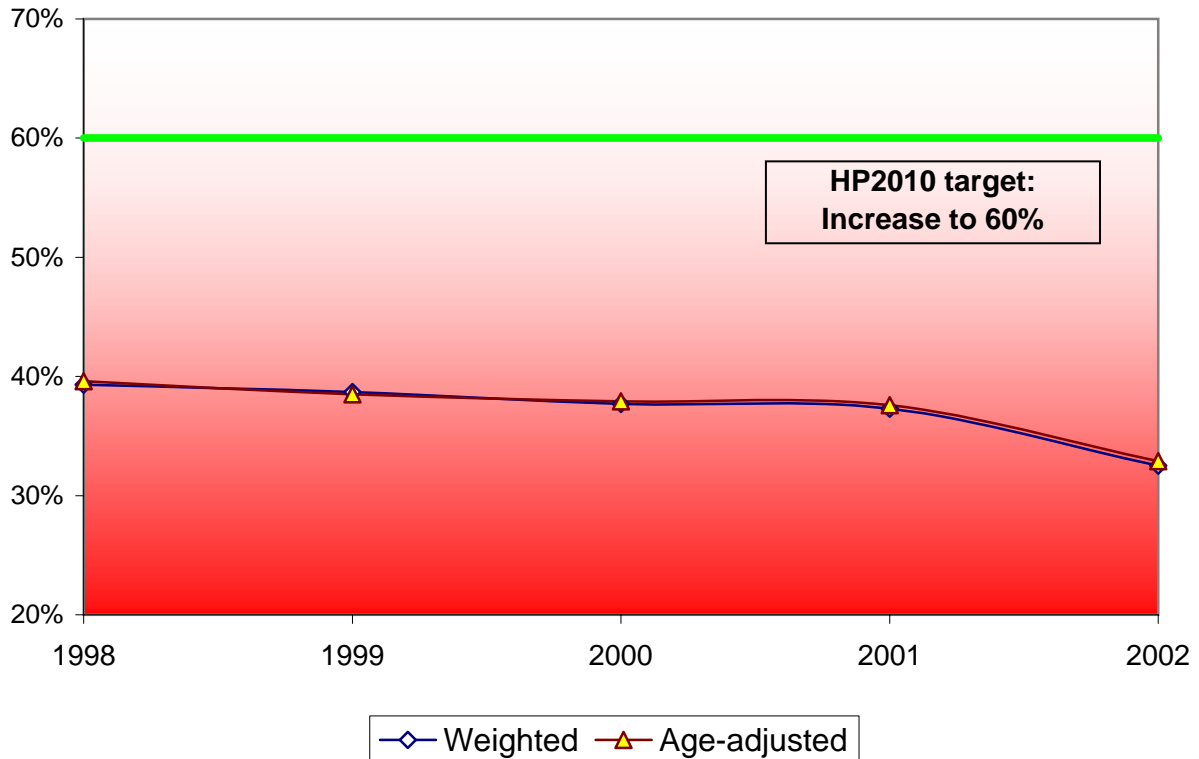
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	47.7	46.0	46.7	45.6	43.9
C.I (95%)	(44.9 - 50.5)	(43.1 - 48.8)	(45.0 - 48.5)	(43.5 - 47.6)	(42.2 - 45.6)
Age-adjusted percent	48.0	45.8	47.0	45.7	44.0
C.I (95%)	(45.1 - 50.8)	(43.0 - 48.6)	(45.3 - 48.7)	(43.7 - 47.8)	(42.4 - 45.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 1**

**Percent of men aged 20+ who are at healthy weight  
Hawaii, 1998-2002**



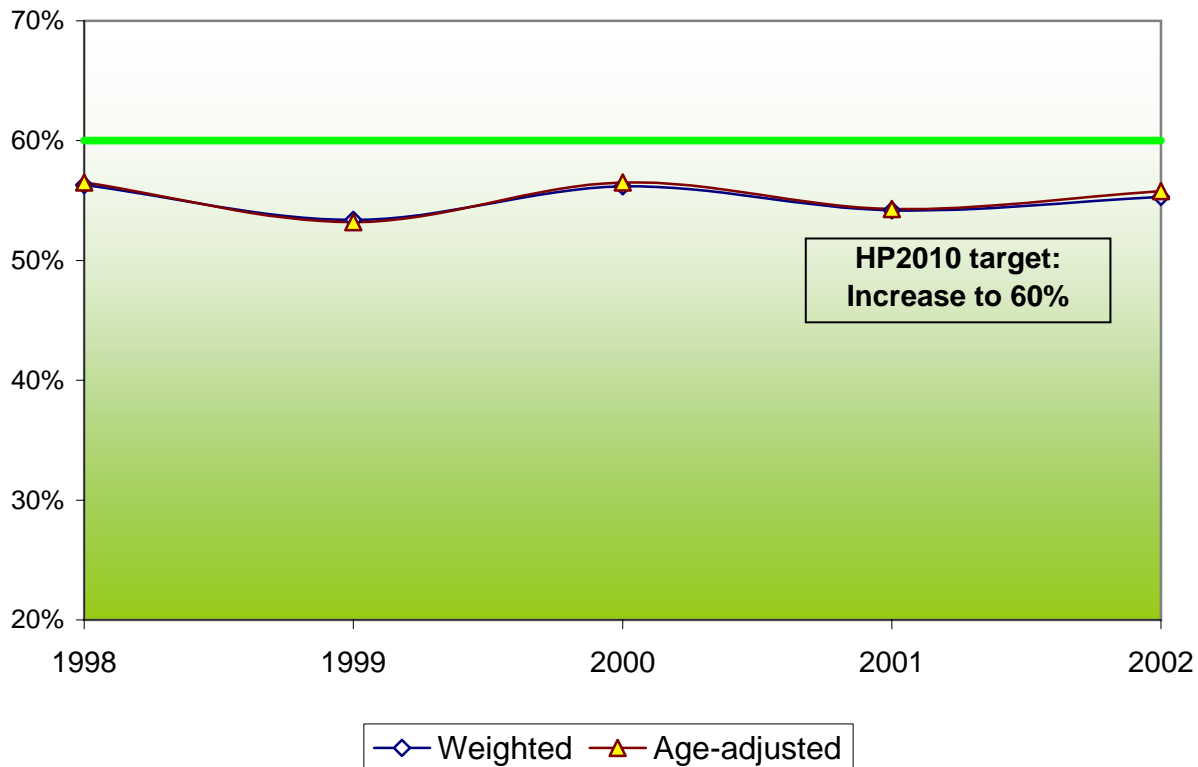
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	370	383	981	705	828
ARE NOT	538	579	1617	1175	1684
TOTAL	908	962	2598	1880	2512

PERCENT	1998	1999	2000	2001	2002
Weighted percent	39.3	38.7	37.7	37.3	32.5
C.I (95%)	(35.2 - 43.6)	(34.7 - 42.8)	(35.2 - 40.2)	(34.4 - 40.3)	(30.1 - 35.1)
Age-adjusted percent	39.6	38.5	37.9	37.6	32.9
C.I (95%)	(35.6 - 43.7)	(34.6 - 42.6)	(35.5 - 40.3)	(34.8 - 40.6)	(30.5 - 35.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 19-1/ Supplement 2

Percent of women aged 20+ who are at healthy weight  
Hawaii, 1998-2002



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	663	596	1781	1347	1770
ARE NOT	511	514	1388	1096	1444
TOTAL	1174	1110	3169	2443	3214

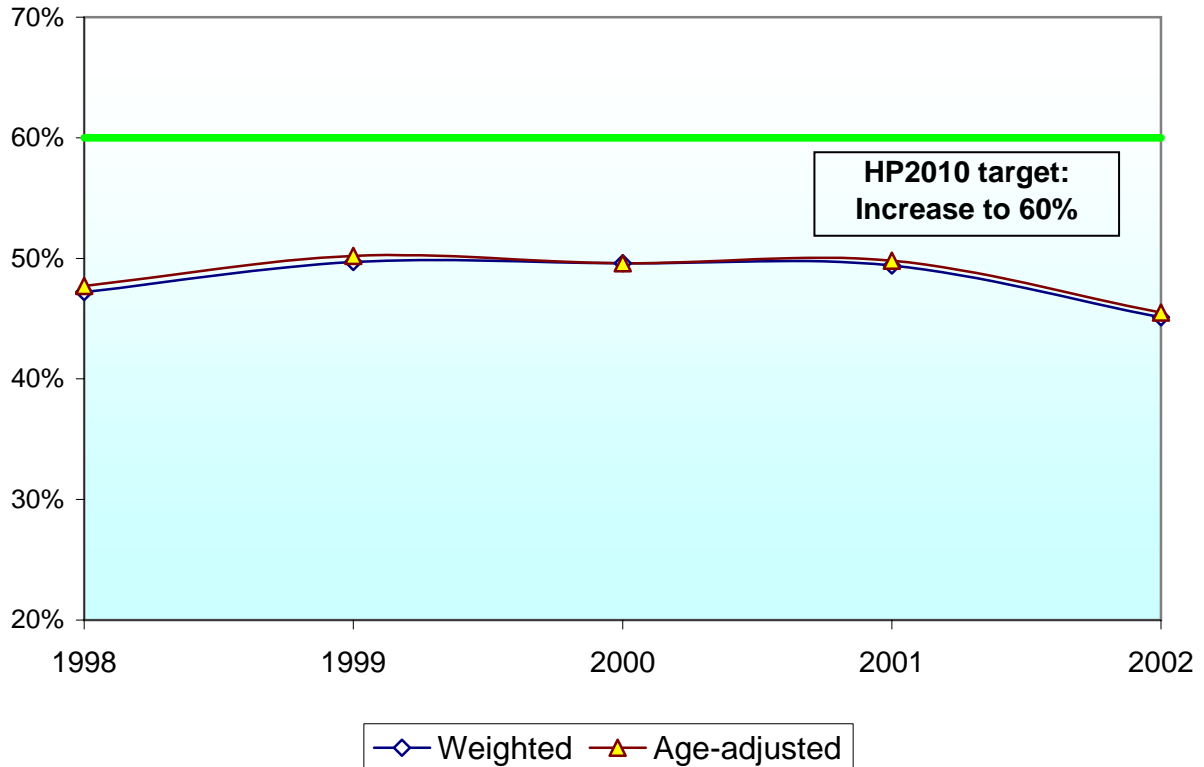
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	56.3	53.4	56.2	54.2	55.3
C.I (95%)	(52.6 - 59.9)	(49.4 - 57.0)	(53.8 - 58.5)	(51.4 - 56.9)	(53.1 - 57.5)
Age-adjusted percent	56.5	53.2	56.5	54.3	55.8
C.I (95%)	(52.8 - 59.9)	(49.4 - 57.0)	(54.2 - 58.8)	(51.6 - 57.1)	(53.4 - 57.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 3**

**Percent of White adults aged 20+ who are at healthy weight  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	421	248	1139	914	1113
ARE NOT	406	237	1044	887	1269
TOTAL	827	485	2183	1801	2382

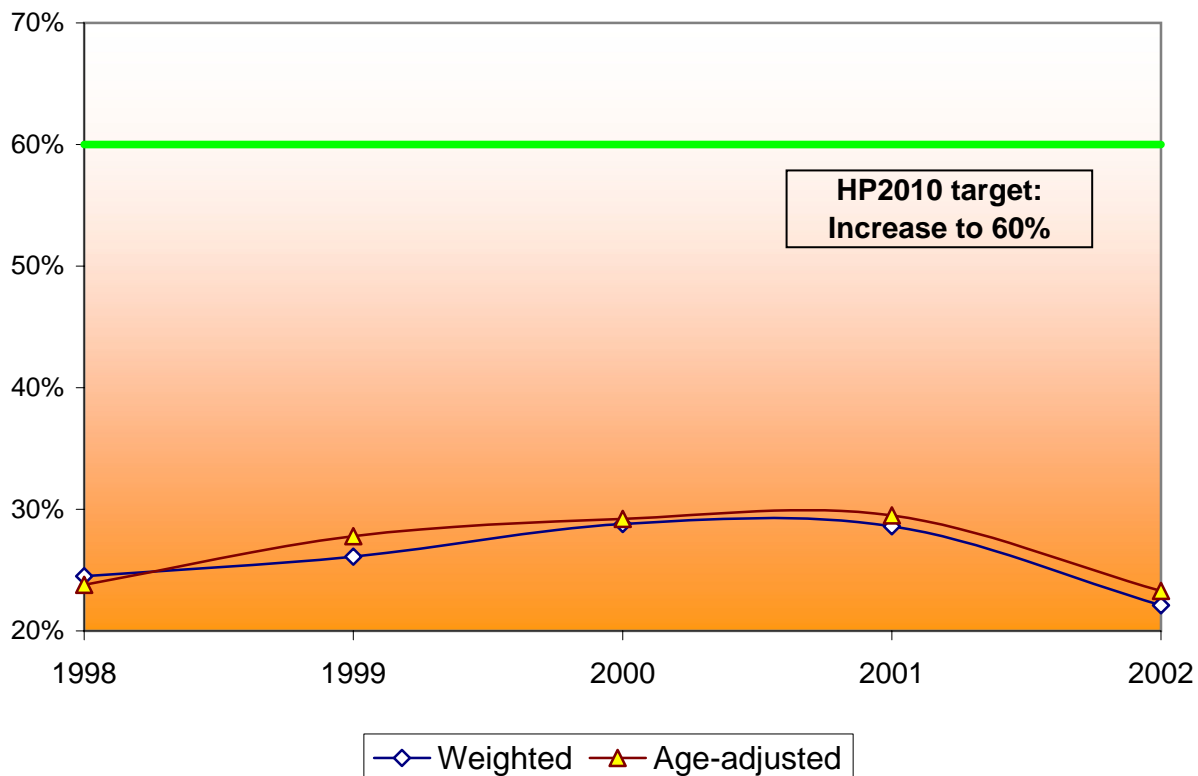
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	47.2	49.7	49.6	49.4	45.1
C.I (95%)	(42.6 - 51.8)	(43.8 - 55.6)	(46.8 - 52.4)	(46.3 - 52.5)	(42.4 - 47.8)
Age-adjusted percent	47.7	50.2	49.6	49.8	45.5
C.I (95%)	(42.3 - 52.3)	(44.4 - 56.0)	(46.8 - 52.0)	(46.7 - 52.8)	(42.9 - 48.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 4**

**Percent of Hawaiians aged 20+ who are at healthy weight  
Hawaii, 1998-2002**



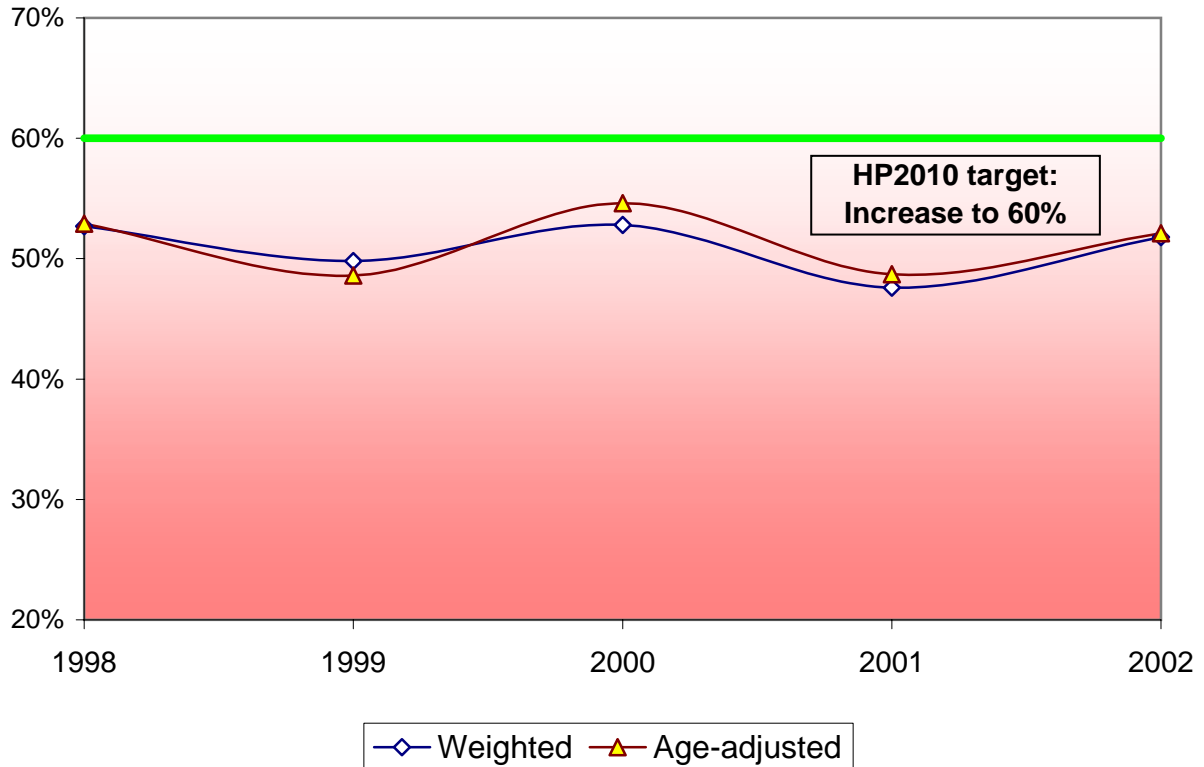
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	83	62	255	155	179
ARE NOT	207	144	619	400	557
TOTAL	290	206	874	555	736

PERCENT	1998	1999	2000	2001	2002
Weighted percent	24.5	26.1	28.8	28.6	22.1
C.I (95%)	(18.8 - 31.3)	(19.0 - 34.7)	(24.9 - 33.1)	(23.5 - 34.2)	(18.4 - 26.2)
Age-adjusted percent	23.8	27.8	29.2	29.5	23.3
C.I (95%)	(18.4 - 30.3)	(21.7 - 34.8)	(25.4 - 33.3)	(24.5 - 35.1)	(19.6 - 27.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 5**

**Percent of Filipinos aged 20+ who are at healthy weight  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	120	83	362	256	377
ARE NOT	101	83	351	274	365
TOTAL	221	166	713	530	742

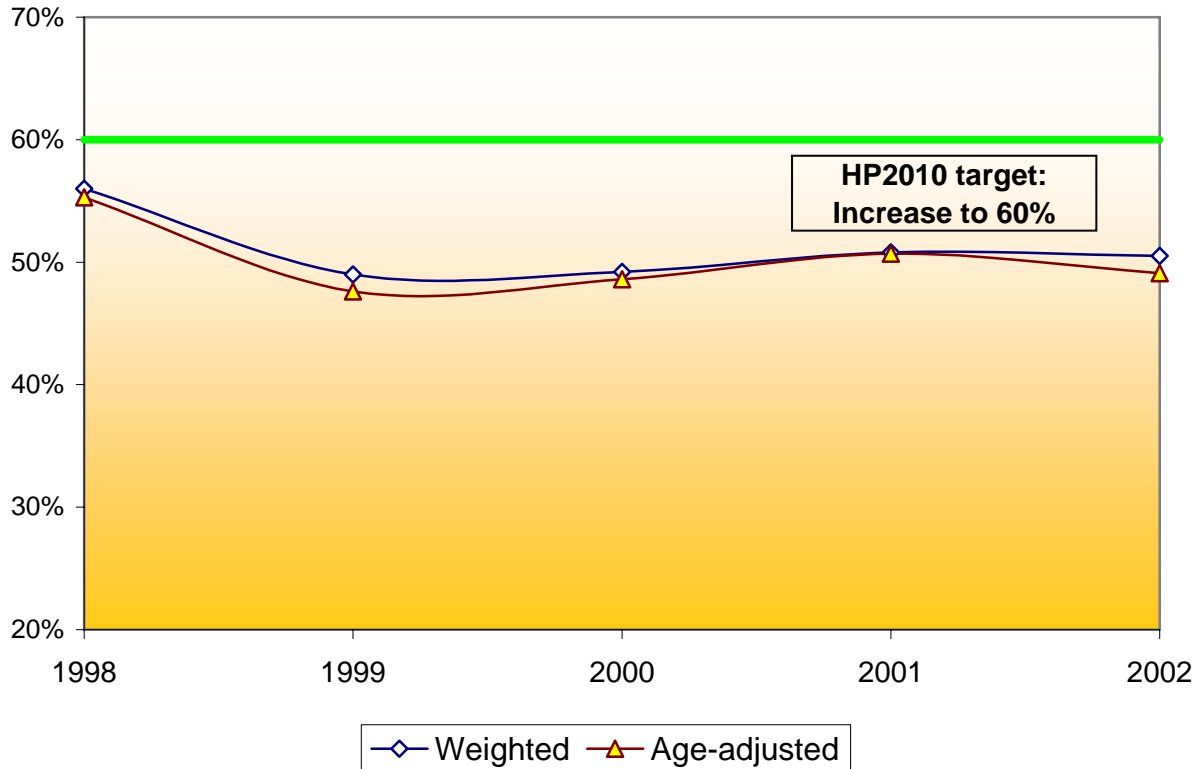
PERCENT	1998	1999	2000	2001	2002
Weighted percent	52.7	49.8	52.8	47.6	51.8
C.I (95%)	(44.1 - 61.2)	(39.8 - 59.8)	(47.5 - 58.1)	(41.1 - 54.1)	(47.0 - 56.5)
Age-adjusted percent	52.9	48.6	54.6	48.7	52.1
C.I (95%)	(45.1 - 60.5)	(39.0 - 58.2)	(49.7 - 59.3)	(42.7 - 54.8)	(47.2 - 56.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 19-1/ Supplement 6**

**Percent of Japanese aged 20+ who are at healthy weight  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	259	168	622	438	597
ARE NOT	201	169	603	400	532
TOTAL	460	337	1225	838	1129

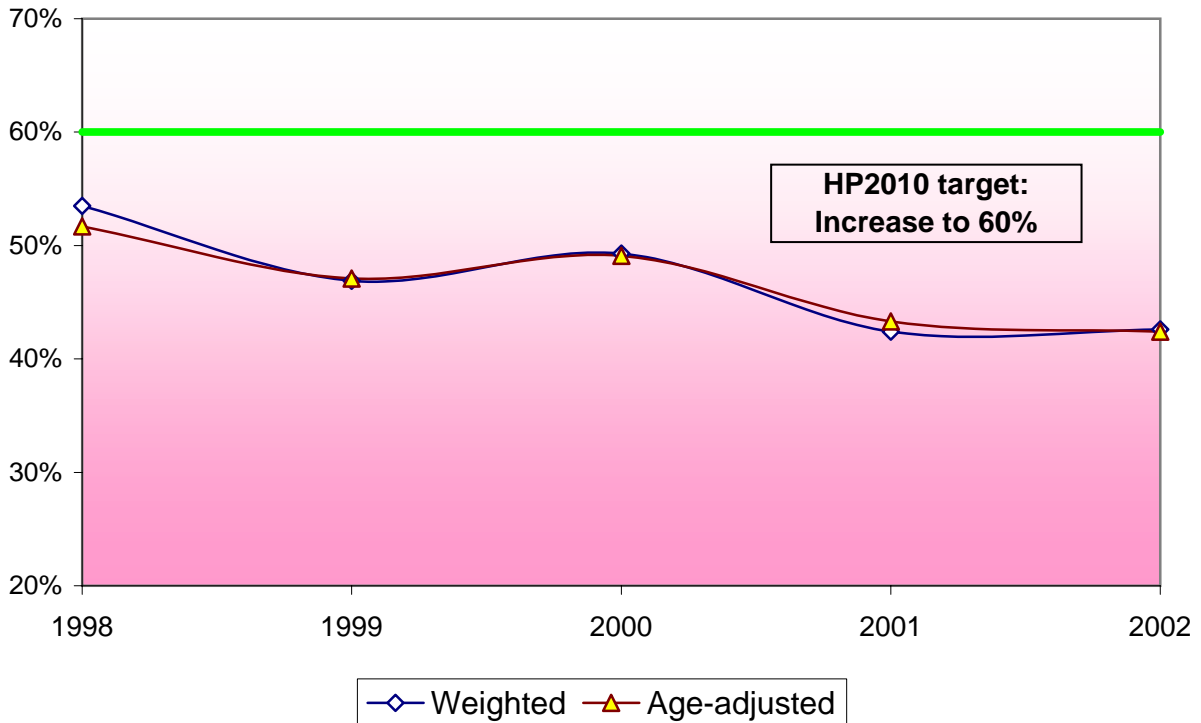
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	56.0	49.0	49.2	50.8	50.5
C.I (95%)	(50.2 - 61.7)	(42.4 - 55.7)	(45.6 - 55.7)	(46.4 - 55.3)	(46.9 - 54.2)
Age-adjusted percent	55.3	47.6	48.6	50.7	49.1
C.I (95%)	(49.3 - 61.3)	(40.5 - 54.8)	(44.8 - 52.5)	(45.8 - 55.6)	(45.2 - 53.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 7**

**Percent of adults of other races aged 20+ who are at healthy weight  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	150	418	384	289	332
ARE NOT	134	460	388	310	405
TOTAL	284	878	772	599	737

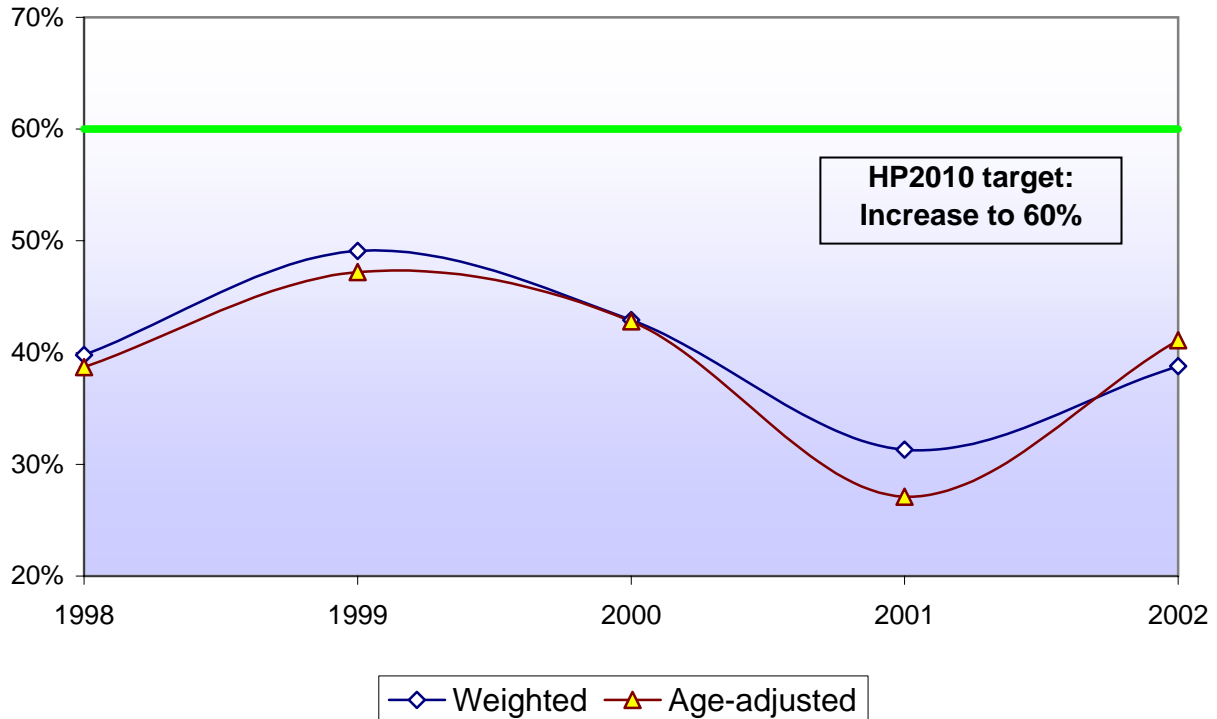
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	53.5	46.9	49.3	42.4	42.6
C.I (95%)	(46.3 - 60.5)	(42.6 - 51.3)	(44.9 - 53.8)	(37.5 - 47.4)	(38.2 - 47.2)
Age-adjusted percent	51.7	47.1	49.1	43.3	42.4
C.I (95%)	(44.5 - 59.0)	(43.0 - 51.4)	(44.7 - 53.4)	(38.6 - 48.3)	(38.1 - 46.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 8**

**Percent of adults aged 20+ in low income household  
who are at healthy weight  
Hawaii, 1998-2002**



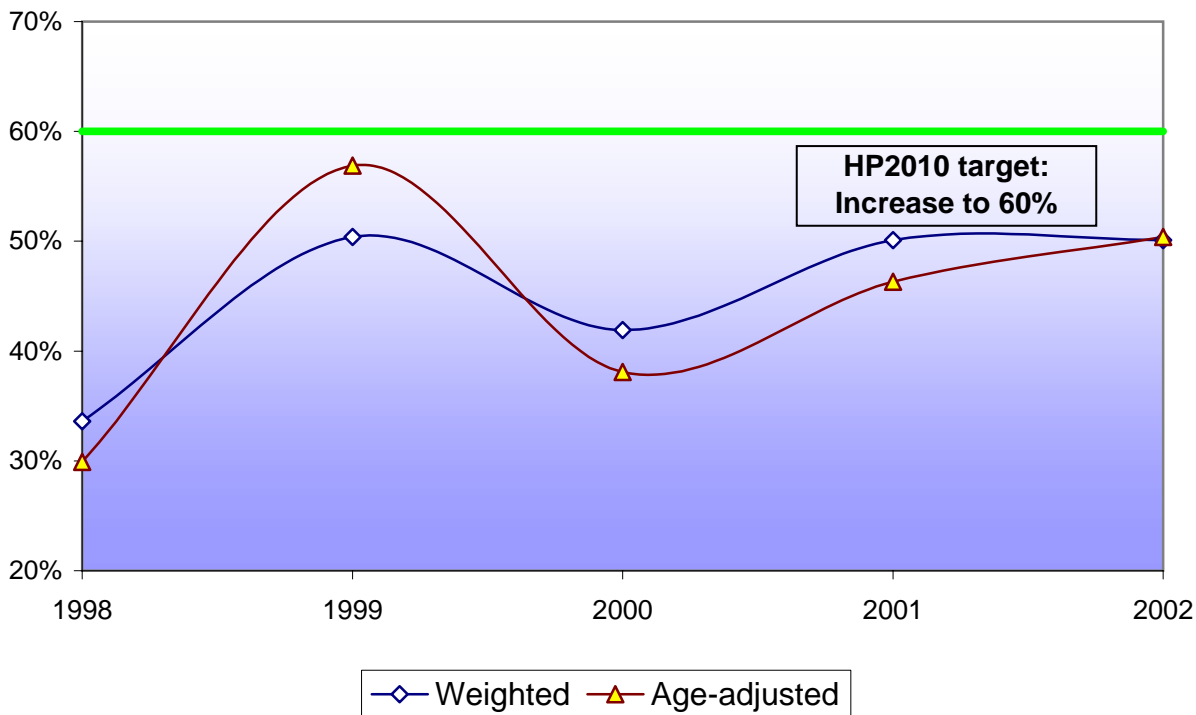
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	64	43	126	71	82
ARE NOT	79	54	174	115	118
TOTAL	143	97	300	186	200

PERCENT	1998	1999	2000	2001	2002
Weighted percent	39.8	49.1	42.9	31.3	38.8
C.I (95%)	(29.8 - 50.7)	(34.8 - 63.5)	(35.3 - 50.9)	(22.0 - 42.4)	(29.5 - 49.0)
Age-adjusted percent	38.7	47.2	42.8	27.1	41.1
C.I (95%)	(29.0 - 49.4)	(36.2 - 58.4)	(35.7 - 50.3)	(20.2 - 35.2)	(32.1 - 50.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 9**

**Percent of adults with less education who are at healthy weight  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	57	67	188	130	185
ARE NOT	88	81	216	145	181
TOTAL	145	148	404	275	366

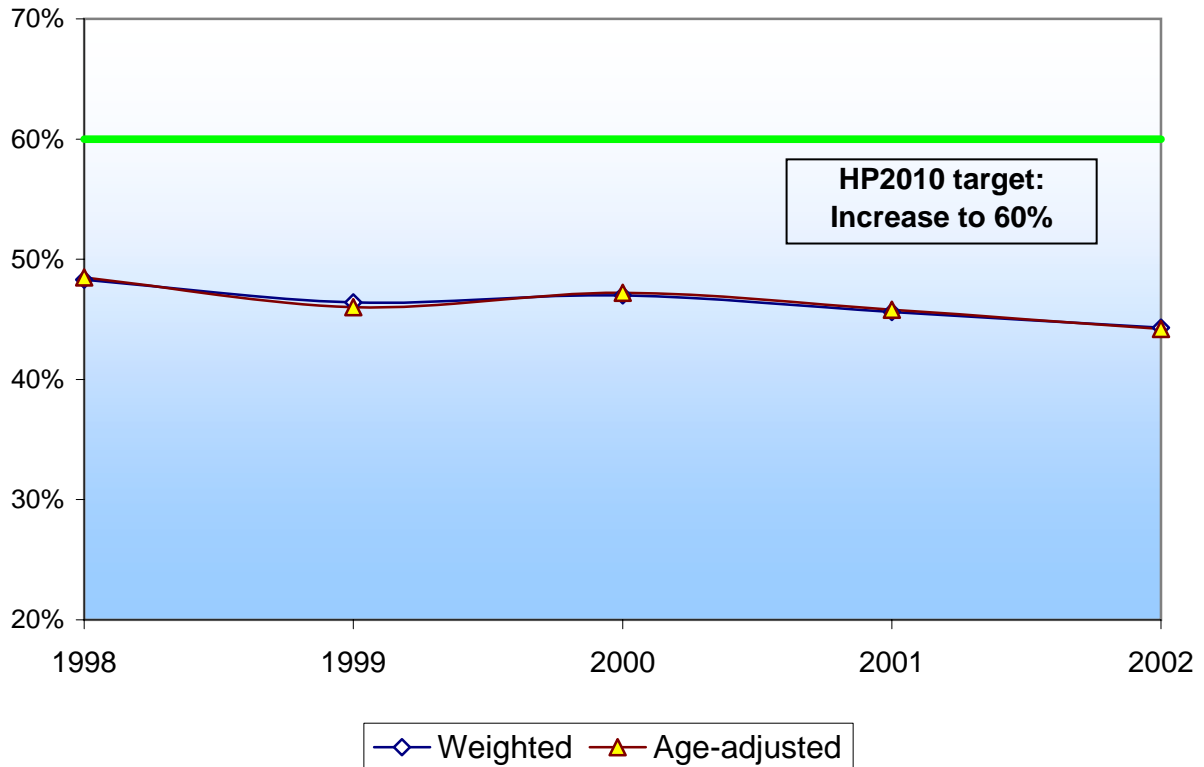
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	33.6	50.4	41.9	50.1	50.1
C.I (95%)	(23.8 - 45.0)	(39.6 - 61.2)	(34.8 - 49.3)	(41.3 - 58.9)	(43.1 - 57.1)
Age-adjusted percent	29.9	56.9	38.1	46.3	50.4
C.I (95%)	(19.6 - 42.9)	(44.8 - 68.2)	(29.2 - 47.8)	(36.7 - 56.2)	(40.6 - 60.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 10**

**Percent of adults aged 20+ who are at healthy weight  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	498	459	1327	881	1233
ARE NOT	473	507	1341	956	1448
TOTAL	971	966	2668	1837	2681

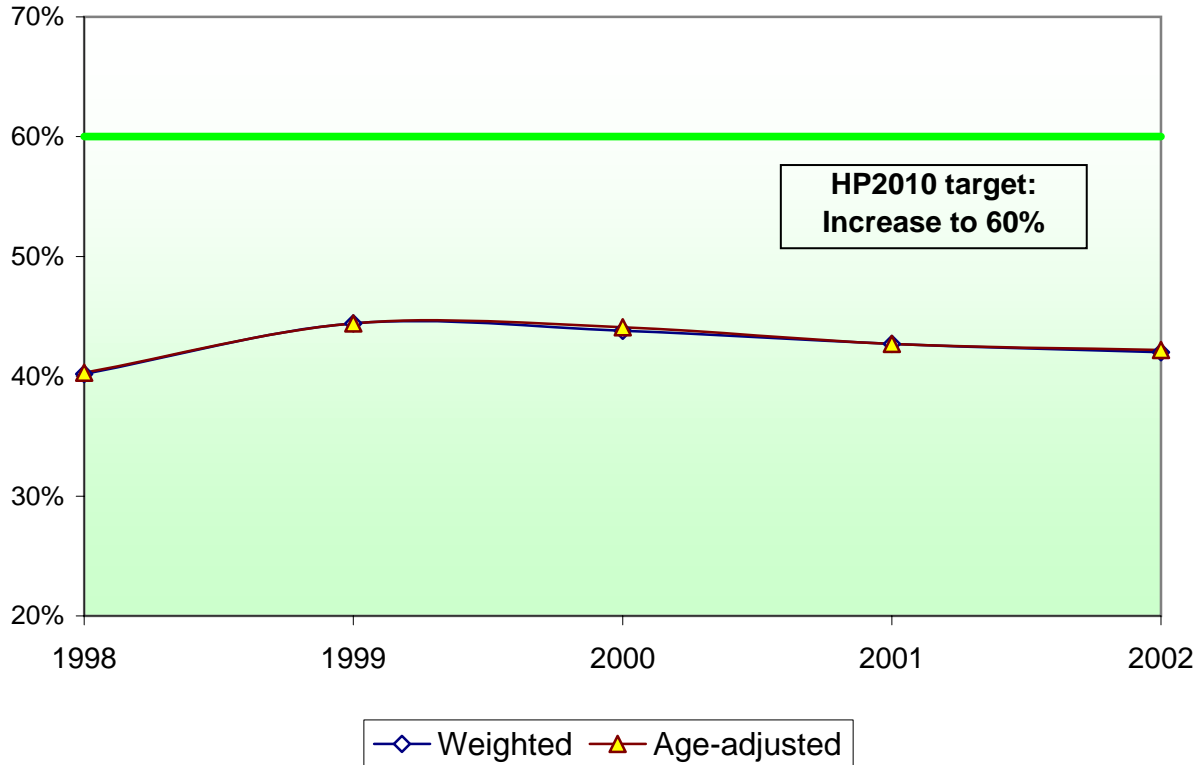
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	48.3	46.4	47.0	45.6	44.3
C.I (95%)	(44.7 - 51.9)	(42.7 - 50.0)	(44.7 - 49.2)	(43.0 - 48.3)	(42.1 - 46.5)
Age-adjusted percent	48.5	46.0	47.2	45.8	44.2
C.I (95%)	(44.9 - 52.1)	(42.5 - 49.6)	(45.0 - 49.4)	(43.1 - 48.4)	(42.1 - 46.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 11**

**Percent of adults aged 20+ who are at healthy weight  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	220	238	641	430	589
ARE NOT	293	272	752	543	731
TOTAL	513	510	1393	973	1320

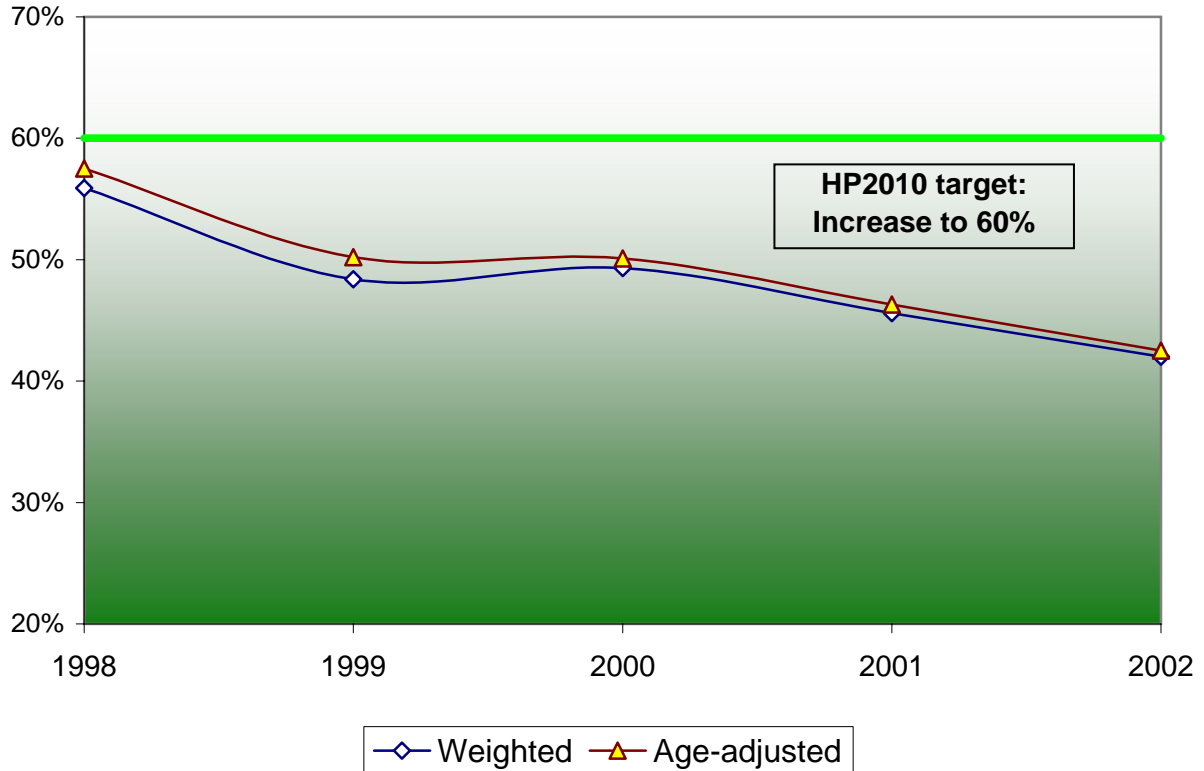
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	40.2	44.4	43.8	42.7	42.0
C.I (95%)	(35.5 - 45.1)	(39.4 - 49.6)	(40.7 - 47.0)	(39.1 - 46.5)	(38.9 - 45.1)
Age-adjusted percent	40.3	44.4	44.1	42.7	42.2
C.I (95%)	(35.3 - 45.5)	(39.3 - 49.5)	(40.8 - 47.3)	(39.1 - 46.5)	(39.0 - 45.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 12**

**Percent of adults aged 20+ who are at healthy weight  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	115	92	280	259	251
ARE NOT	90	107	290	275	317
TOTAL	205	199	570	534	568

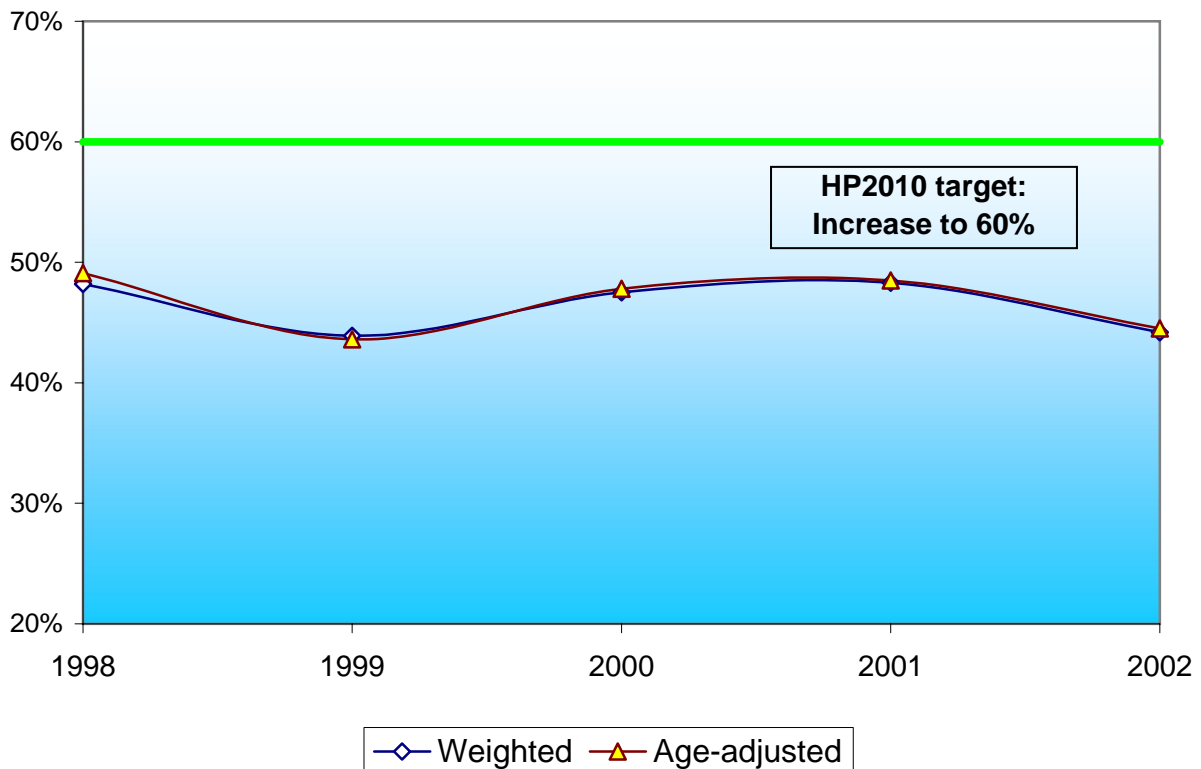
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	55.9	48.4	49.3	45.6	42.0
C.I (95%)	(47.7 - 63.8)	(40.5 - 46.4)	(44.6 - 53.9)	(40.5 - 50.8)	(37.4 - 46.8)
Age-adjusted percent	57.5	50.2	50.1	46.3	42.5
C.I (95%)	(49.6 - 65.00)	(42.4 - 58.0)	(45.4 - 54.8)	(41.3 - 51.4)	(37.7 - 47.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-1/ Supplement 13**

**Percent of adults aged 20+ who are at healthy weight  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	200	190	514	482	525
ARE NOT	193	207	622	497	632
TOTAL	393	397	1136	979	1157

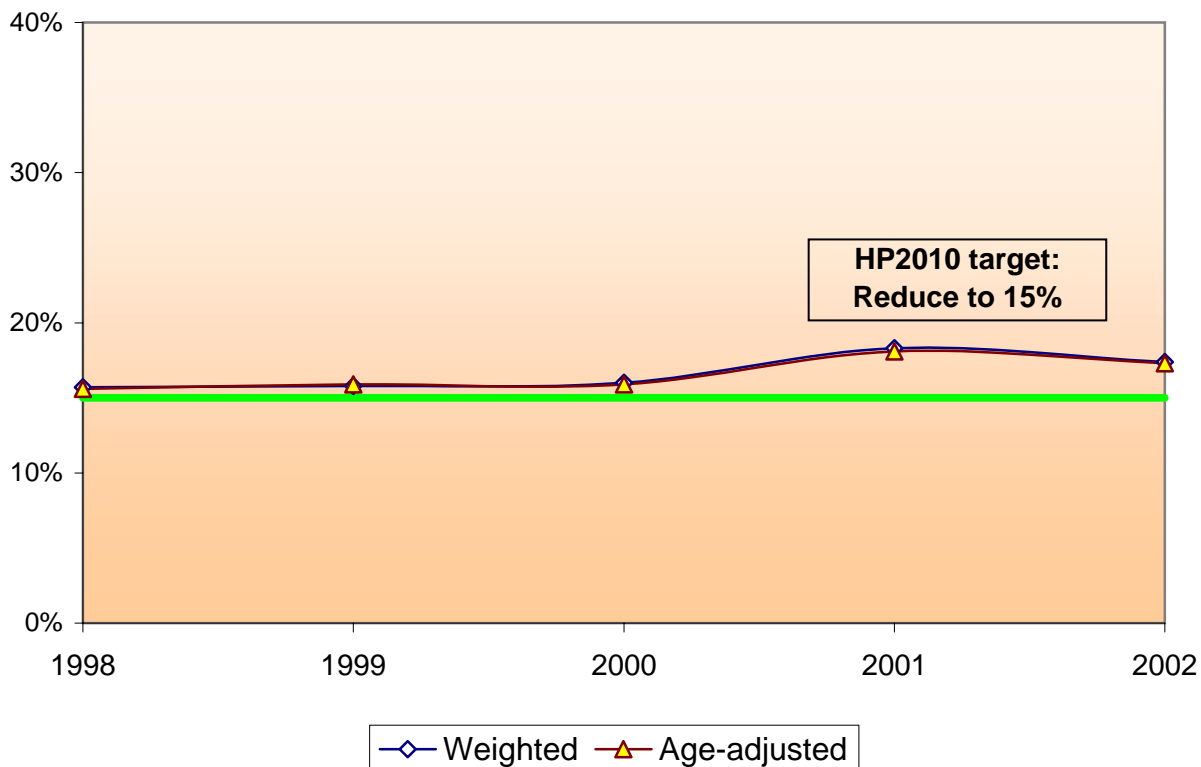
PERCENT	1998	1999	2000	2001	2002
Weighted percent	48.2	43.9	47.5	48.3	44.2
C.I (95%)	(42.2 - 54.3)	(38.2 - 49.8)	(43.8 - 51.2)	(44.4 - 52.1)	(40.7 - 47.6)
Age-adjusted percent	49.1	43.6	47.8	48.5	44.5
C.I (95%)	(43.2 - 54.9)	(38.0 - 49.4)	(44.1 - 51.5)	(44.6 - 52.3)	(41.1 - 47.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 19-2

**Percent of adults aged 20+ who are obese  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	303	333	896	723	961
ARE NOT	1779	1739	4871	3600	4765
TOTAL	2082	2072	5767	4323	5726

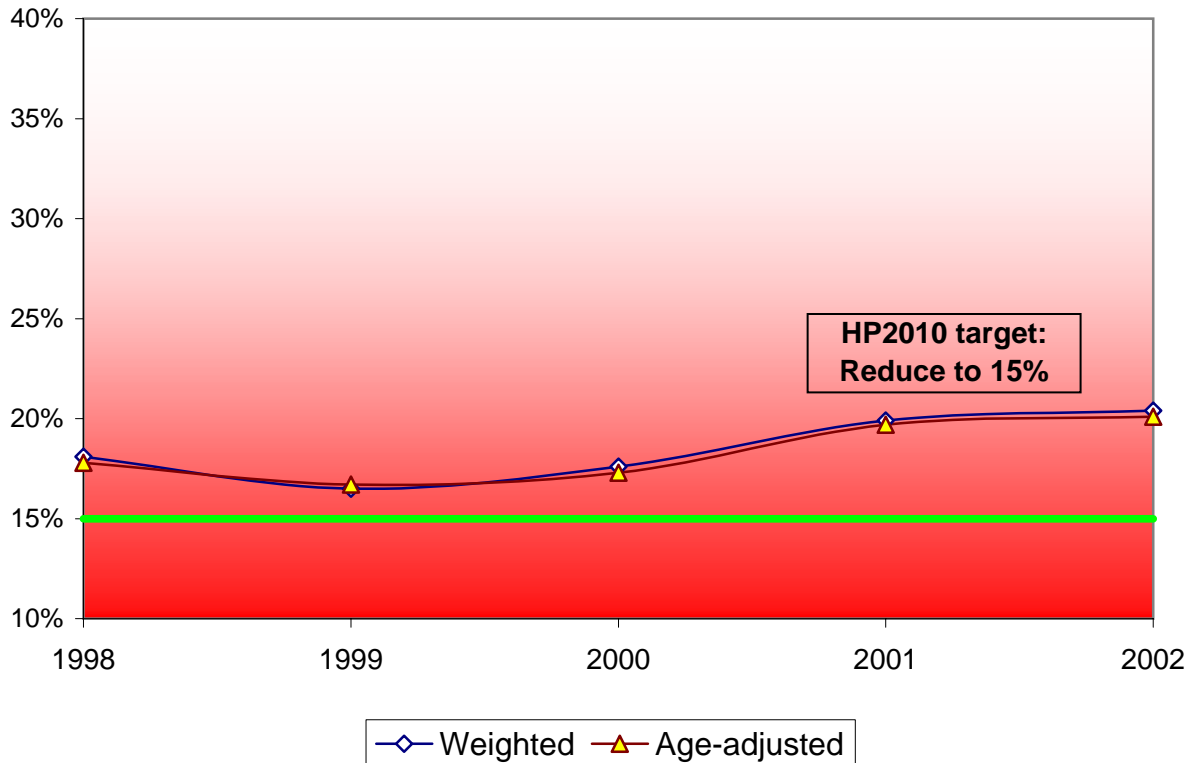
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	15.7	15.8	16.0	18.3	17.4
C.I (95%)	(13.7 - 18.0)	(13.8 - 18.1)	(14.6 - 17.4)	(16.6 - 20.0)	(16.1 - 18.7)
Age-adjusted percent	15.6	15.9	15.9	18.1	17.3
C.I (95%)	(13.6 - 17.8)	(13.8 - 18.2)	(14.6 - 17.3)	(16.5 - 19.9)	(16.0 - 18.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 1**

**Percent of men aged 20+ who are obese  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	145	159	435	349	522
ARE NOT	763	803	2163	1531	1990
TOTAL	908	962	2598	1880	2512

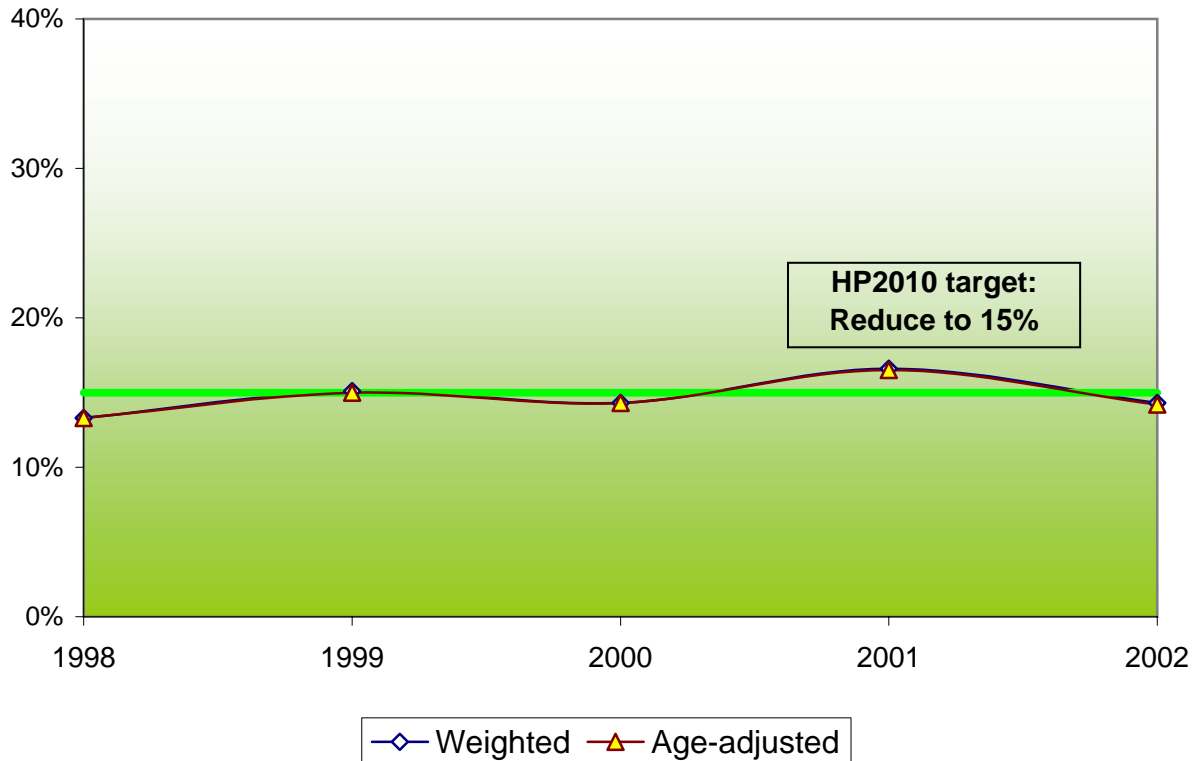
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	18.1	16.5	17.6	19.9	20.4
C.I (95%)	(14.9 - 21.8)	(13.6 - 20.0)	(15.5 - 19.8)	(17.4 - 22.7)	(18.4 - 22.6)
Age-adjusted percent	17.8	16.7	17.3	19.7	20.1
C.I (95%)	(14.8 - 21.3)	(13.6 - 20.2)	(15.3 - 19.5)	(17.2 - 22.4)	(18.2 - 22.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 2**

**Percent of women aged 20+ who are obese  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	158	174	461	374	439
ARE NOT	1016	936	2708	2069	2775
TOTAL	1174	1110	3169	2443	3214

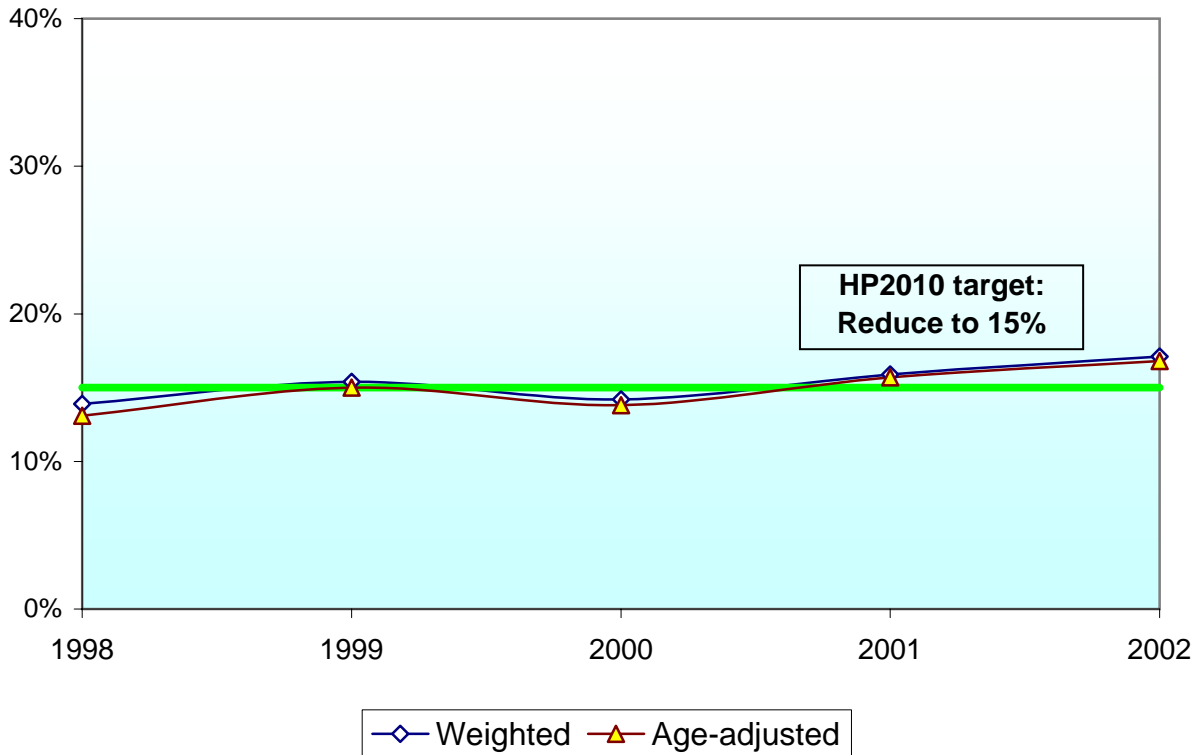
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	13.3	15.1	14.3	16.6	14.3
C.I (95%)	(10.9 - 16.1)	(12.6 - 18.0)	(12.6 - 16.3)	(14.6 - 18.8)	(12.7 - 16.0)
Age-adjusted percent	13.3	15.0	14.3	16.5	14.2
C.I (95%)	(10.9 - 16.1)	(12.5 - 17.8)	(12.6 - 16.2)	(14.4 - 18.7)	(12.7 - 15.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 3**

**Percent of White adults aged 20+ who are obese  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	105	65	286	279	371
ARE NOT	722	420	1897	1522	2011
TOTAL	827	485	2183	1801	2382

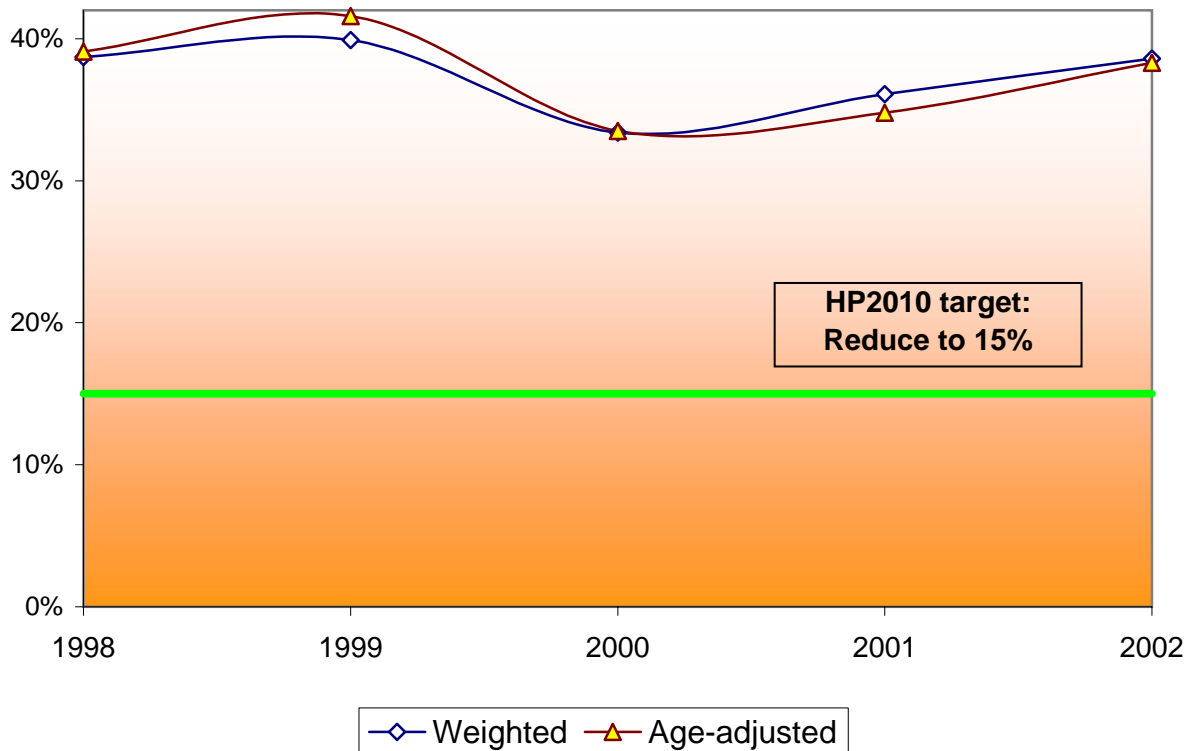
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	13.9	15.4	14.2	15.9	17.1
C.I (95%)	(10.8 - 17.7)	(11.2 - 20.8)	(12.2 - 16.4)	(13.8 - 18.2)	(15.1 - 19.4)
Age-adjusted percent	13.1	15.0	13.8	15.7	16.8
C.I (95%)	(10.3 - 16.5)	(11.1 - 19.8)	(11.9 - 16.0)	((13.6 - 18.0)	(14.9 - 19.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 4**

**Percent of Hawaiians aged 20+ who are obese  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	94	75	285	194	285
ARE NOT	196	131	589	361	451
TOTAL	290	206	874	555	736

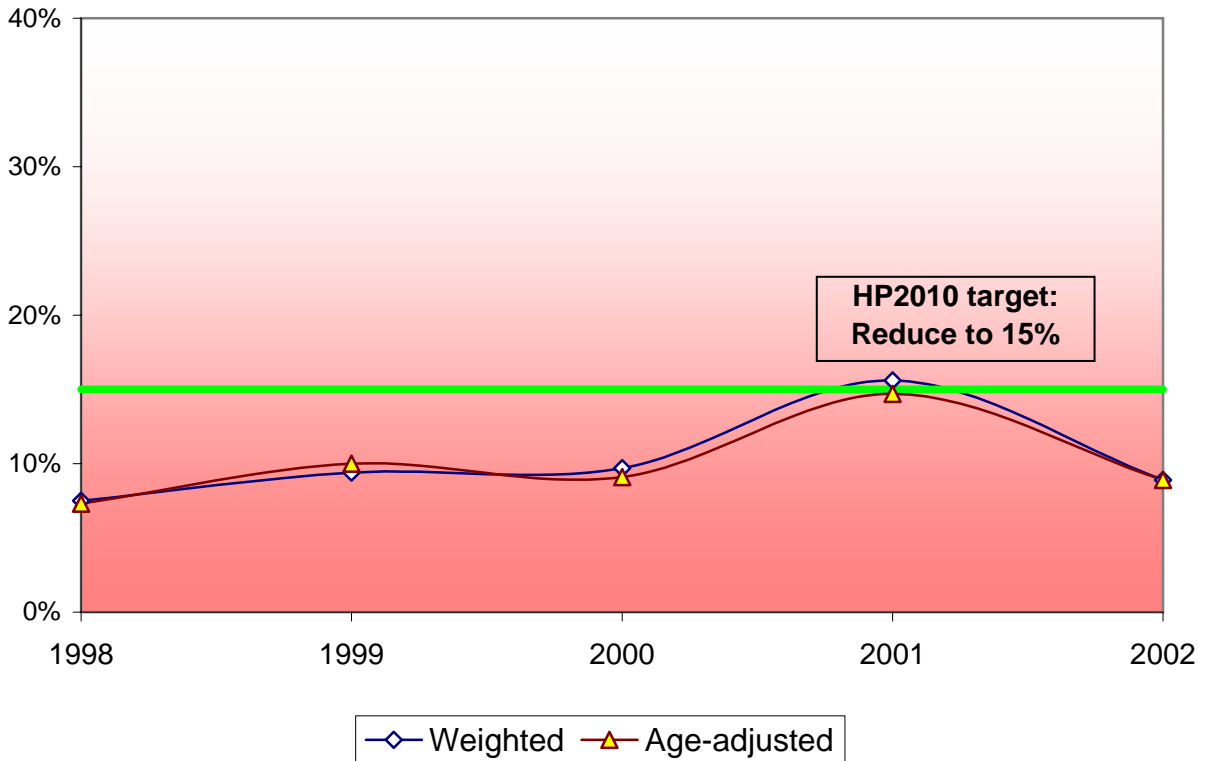
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	38.7	39.9	33.4	36.1	38.6
C.I (95%)	(31.2 - 46.7)	(31.2 - 49.4)	(28.9 - 38.3)	(30.8 - 41.8)	(33.9 - 43.5)
Age-adjusted percent	39.1	41.6	33.5	34.8	38.3
C.I (95%)	(31.8 - 46.9)	(33.3 - 50.40)	(29.0 - 38.4)	(29.8 - 40.1)	(33.8 - 42.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 5**

**Percent of Filipinos aged 20+ who are obese  
Hawaii, 1998-2002**



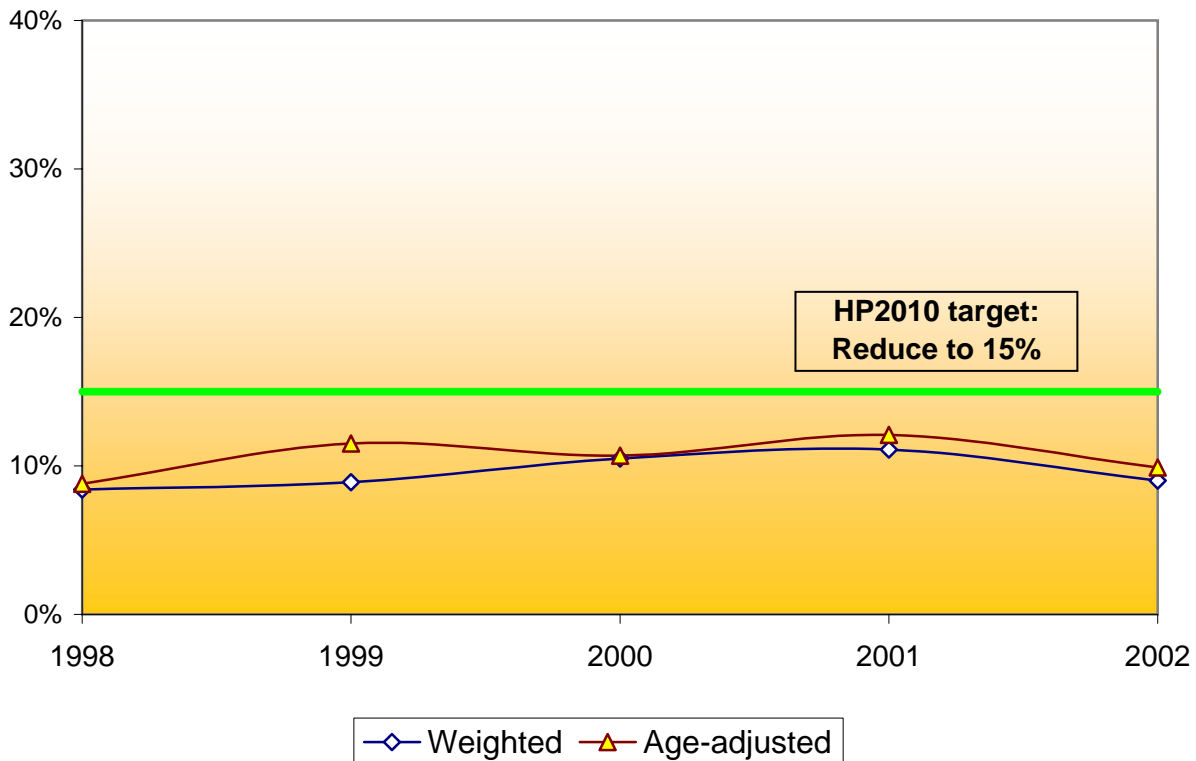
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	19	24	80	66	71
ARE NOT	202	142	633	464	671
TOTAL	221	166	713	530	742

PERCENT	1998	1999	2000	2001	2002
Weighted percent	7.5	9.4	9.7	15.6	8.9
C.I (95%)	(3.9 - 13.9)	(5.8 - 14.7)	(6.4 - 14.4)	(10.7 - 22.2)	(6.7 - 11.7)
Age-adjusted percent	7.3	10.0	9.1	14.7	8.9
C.I (95%)	(4.2 - 12.4)	(5.9 - 16.3)	(6.4 - 12.8)	(12.4 - 20.4)	(6.8 - 11.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 6**

**Percent of Japanese aged 20+ who are obese  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	41	32	115	82	100
ARE NOT	419	305	1110	756	1029
TOTAL	460	337	1225	838	1129

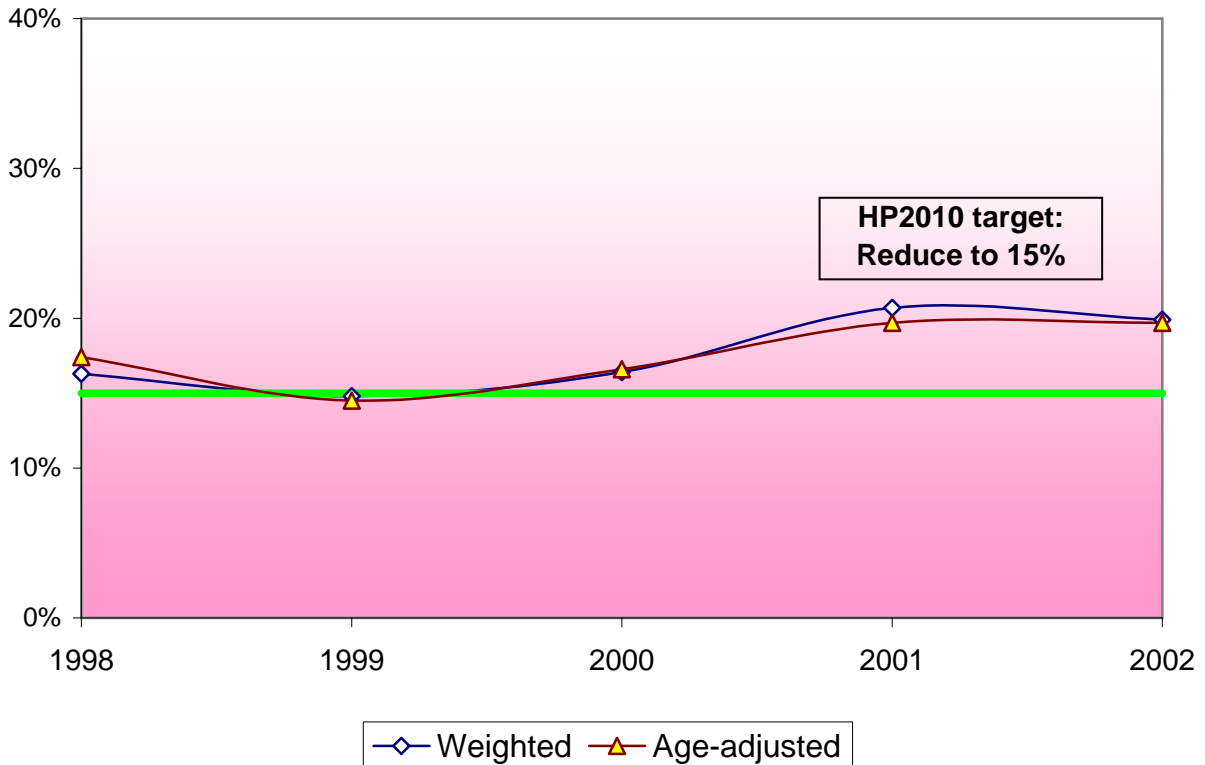
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	8.4	8.9	10.5	11.1	9.0
C.I (95%)	(5.7 - 12.4)	(5.8 - 13.4)	(8.3 - 13.2)	(8.5 - 14.4)	(7.1 - 11.3)
Age-adjusted percent	8.8	11.5	10.7	12.1	9.9
C.I (95%)	(5.9 - 12.9)	(7.3- 17.7)	(8.5 - 13.3)	(9.1 - 15.9)	(7.7 - 12.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 7**

**Percent of adults of other races aged 20+ who are obese  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	44	137	130	102	134
ARE NOT	240	741	642	497	603
TOTAL	284	878	772	599	737

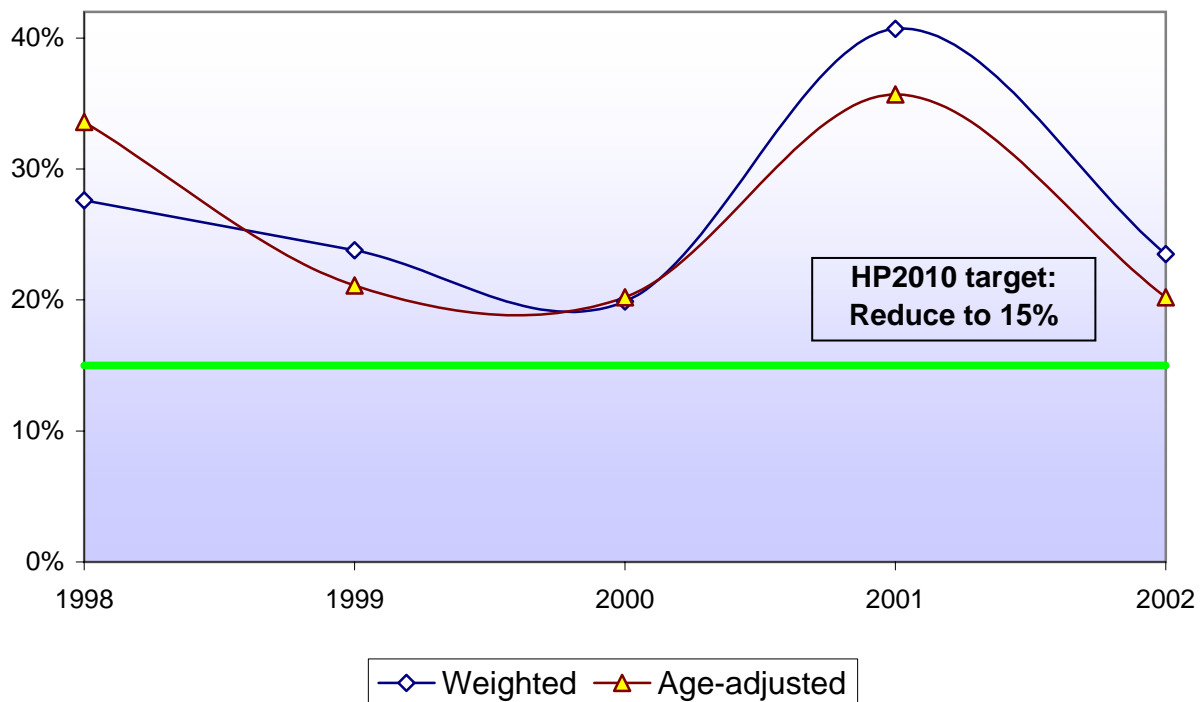
PERCENT	1998	1999	2000	2001	2002
Weighted percent	16.3	14.8	16.4	20.7	19.9
C.I (95%)	(11.8 - 22.2)	(11.9 - 18.2)	(13.4 - 19.9)	(16.3 - 25.8)	(16.5 - 23.9)
Age-adjusted percent	17.4	14.5	16.6	19.7	19.7
C.I (95%)	(12.7 - 23.3)	(11.7 - 17.7)	(13.6 - 20.2)	(15.7 - 24.4)	(16.4 - 23.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 19-2/ Supplement 8**

**Percent of adults aged 20+ in low income household who are obese  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	33	29	63	61	52
ARE NOT	110	68	237	125	148
TOTAL	143	97	300	186	200

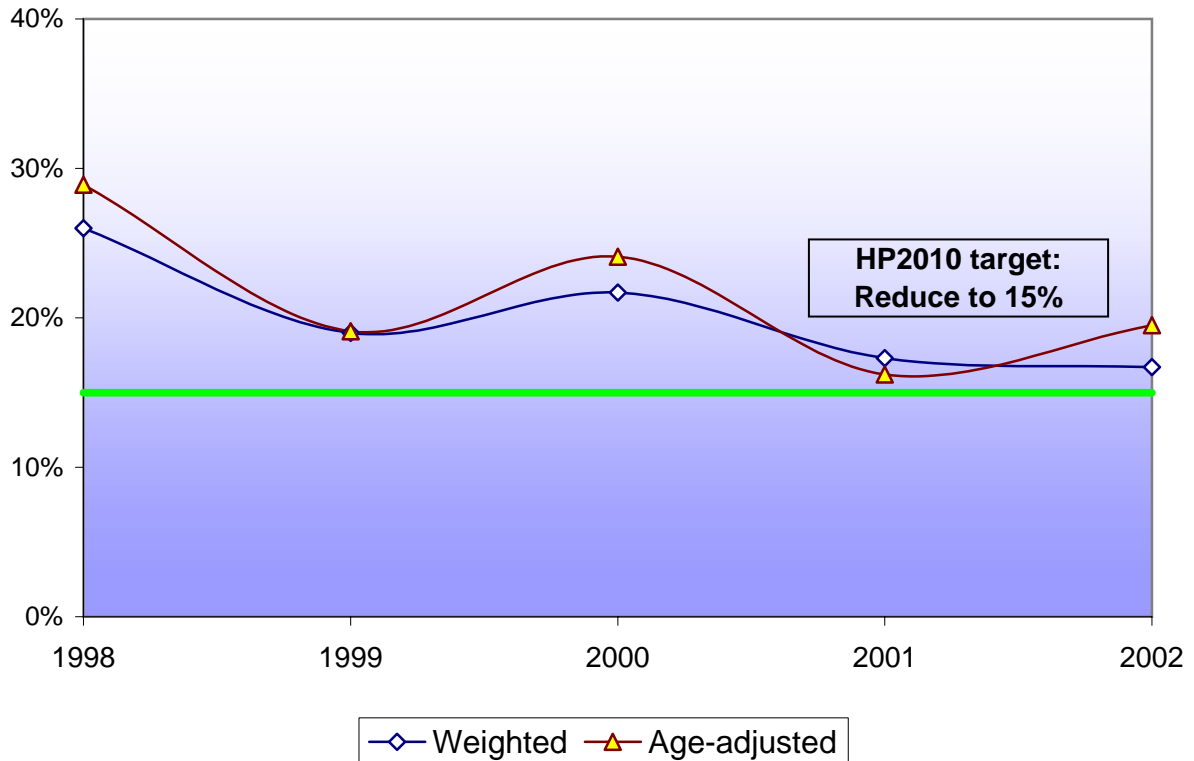
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	27.6	23.8	19.9	40.7	23.5
C.I (95%)	(18.4 - 39.2)	(15.0 - 35.7)	(13.3 - 28.5)	(29.8 - 52.6)	(16.7 - 31.9)
Age-adjusted percent	33.6	21.1	20.2	35.7	20.2
C.I (95%)	(24.3 - 45.0)	(13.2 - 32.0)	(13.9 - 28.4)	(27.5 - 44.9)	(14.2 - 28.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 9**

**Percent of adults with less education who are obese  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	33	34	70	50	63
ARE NOT	112	114	334	225	303
TOTAL	145	148	404	275	366

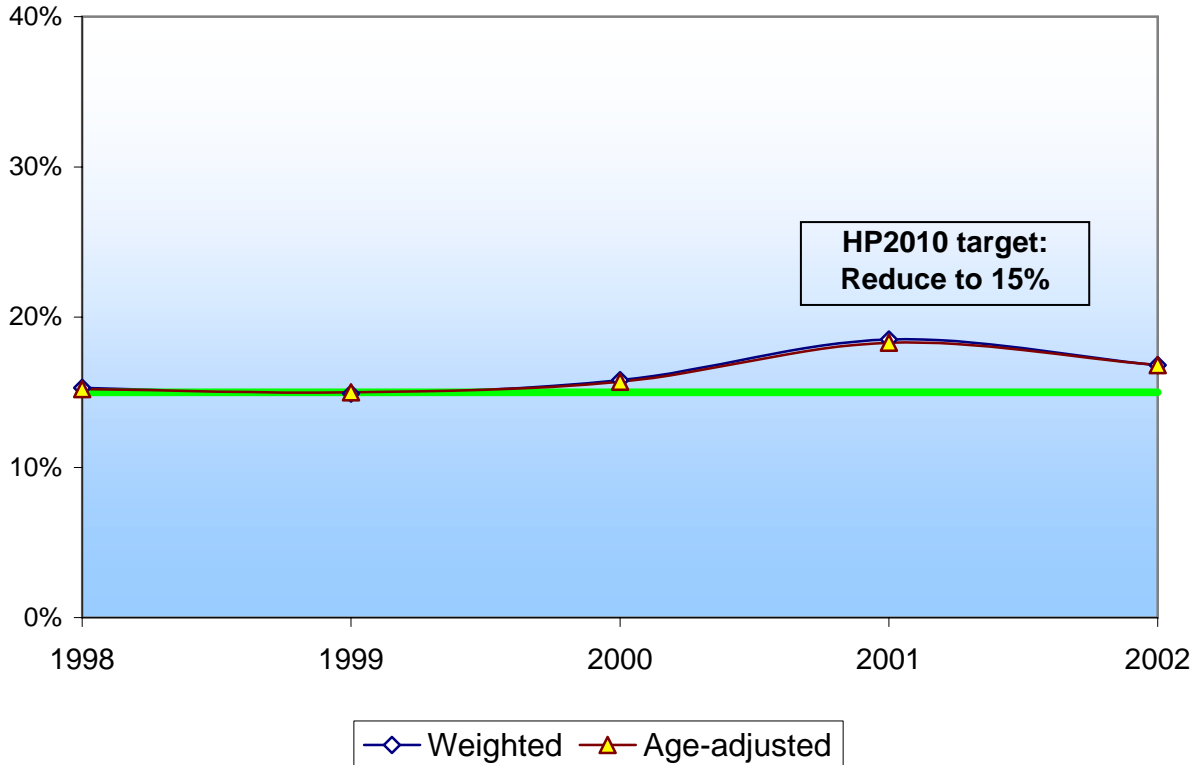
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	26.0	19.0	21.7	17.3	16.7
C.I (95%)	(16.7 - 38.0)	(12.5 - 27.7)	(14.3 - 31.6)	(11.8 - 24.7)	(12.5 - 22.1)
Age-adjusted percent	28.9	19.1	24.1	16.2	19.5
C.I (95%)	(19.2 - 41.0)	(11.3 - 30.3)	(16.3 - 34.0)	(10.7 - 23.7)	(12.3 - 29.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 10**

**Percent of adults aged 20+ who are obese  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	137	141	378	304	428
ARE NOT	834	825	2290	1533	2253
TOTAL	971	966	2668	1837	2681

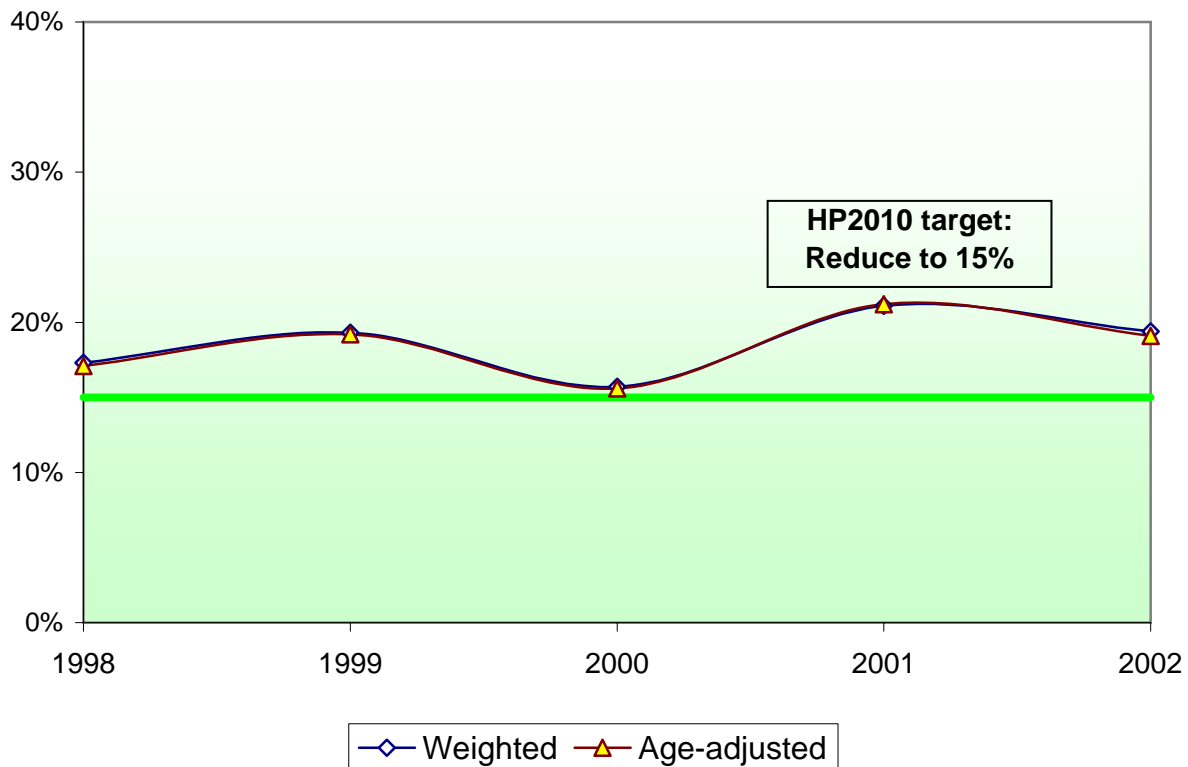
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	15.3	14.9	15.8	18.5	16.8
C.I (95%)	(12.7 - 18.2)	(12.4 - 17.8)	(14.0 - 17.7)	(16.3 - 20.8)	(15.2 - 18.6)
Age-adjusted percent	15.2	15.0	15.7	18.3	16.8
C.I (95%)	(12.7 - 18.0)	(12.4 - 18.1)	(14.0 - 17.6)	(16.2 - 20.7)	(15.2 - 18.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 19-2/ Supplement 11

**Percent of adults aged 20+ who are obese  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	76	93	221	191	234
ARE NOT	437	417	1172	782	1086
TOTAL	513	510	1393	973	1320

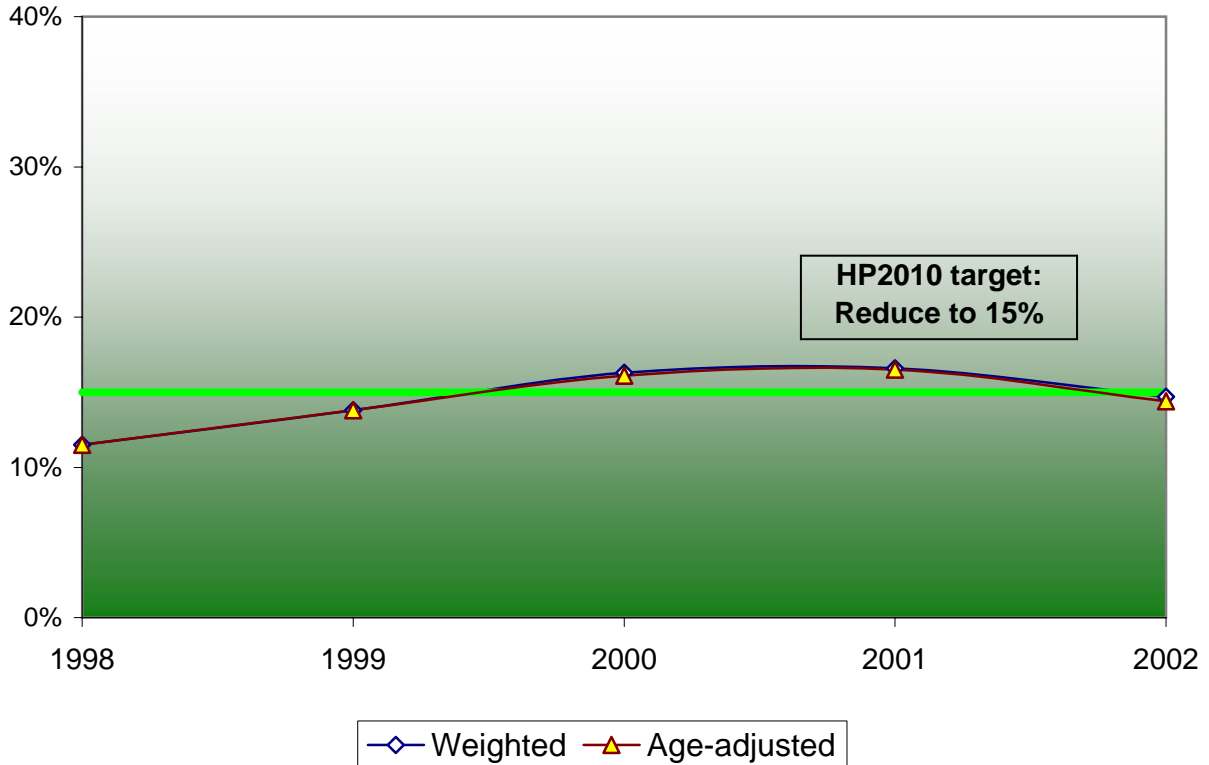
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	17.3	19.3	15.7	21.1	19.4
C.I (95%)	(13.4 - 21.9)	(15.5 - 23.8)	(13.7 - 18.0)	(18.3 - 24.2)	(16.9 - 22.1)
Age-adjusted percent	17.1	19.2	15.6	21.2	19.1
C.I (95%)	(12.9 - 22.2)	(15.4 - 23.8)	(13.5 - 17.9)	(18.3 - 24.4)	(16.5 - 22.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 12**

**Percent of adults aged 20+ who are obese  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	28	28	93	88	82
ARE NOT	177	171	477	446	486
TOTAL	205	199	570	534	568

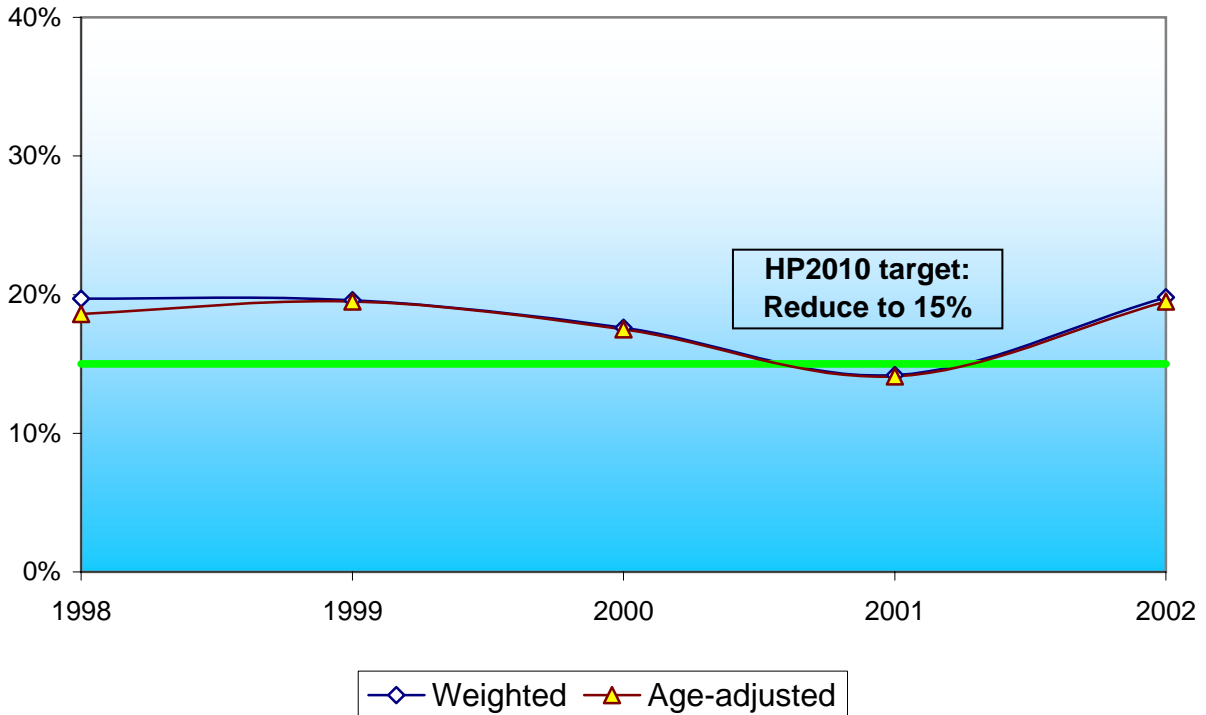
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	11.5	13.8	16.3	16.6	14.7
C.I (95%)	(7.7 - 16.8)	(9.2 - 20.4)	(13.1 - 20.1)	(13.3 - 20.5)	(11.5 - 18.6)
Age-adjusted percent	11.5	13.8	16.1	16.5	14.4
C.I (95%)	(7.7 - 16.9)	(9.1 - 20.5)	(13.0 - 19.9)	(13.2 - 20.4)	(11.1 - 18.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-2/ Supplement 13**

**Percent of adults aged 20+ who are obese  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ARE	62	71	204	140	217
ARE NOT	331	326	932	839	940
TOTAL	393	397	1136	979	1157

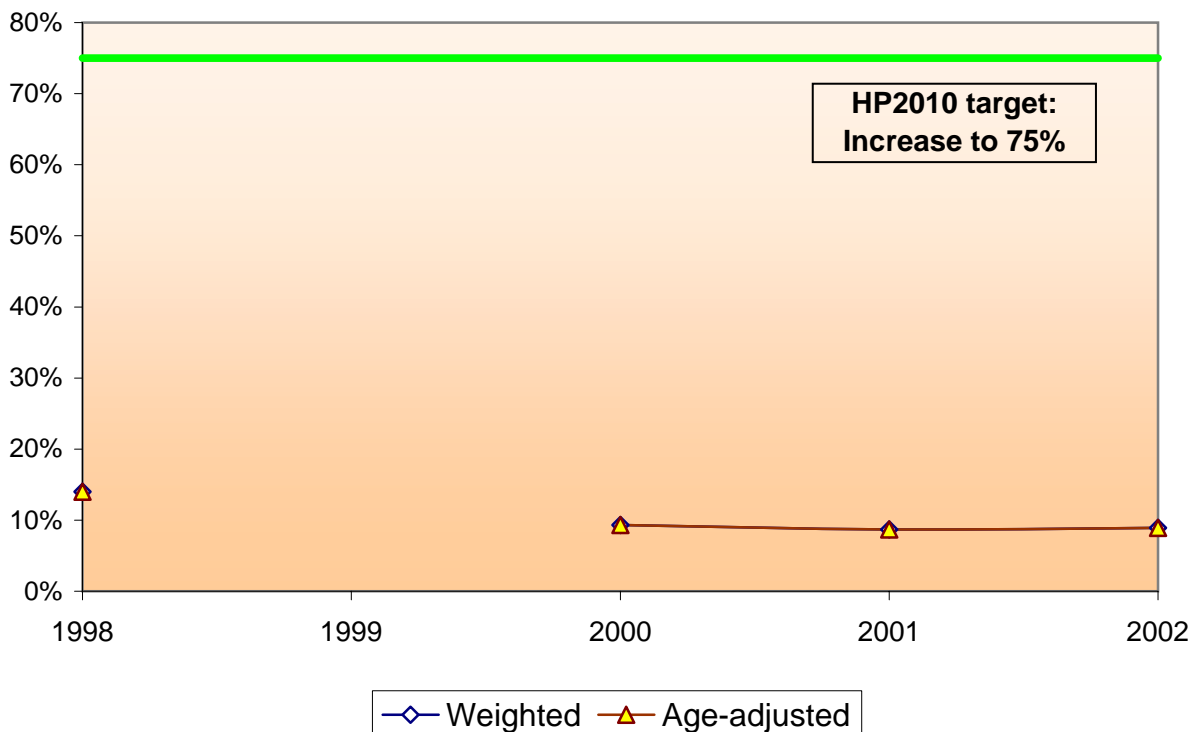
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	19.7	19.6	17.6	14.2	19.8
C.I (95%)	(14.8 - 25.6)	(15.4 - 24.7)	(15.0 - 20.7)	(11.8 - 17.0)	(17.1 - 22.9)
Age-adjusted percent	18.6	19.5	17.5	14.1	19.5
C.I (95%)	(14.3 - 24.0)	(15.4 - 24.5)	(14.9 - 20.5)	(11.6 - 16.9)	(16.7 - 22.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 19-5

**Percent of adults aged 18+ who consume at least two daily servings of fruits  
Hawaii, 1998-2002**



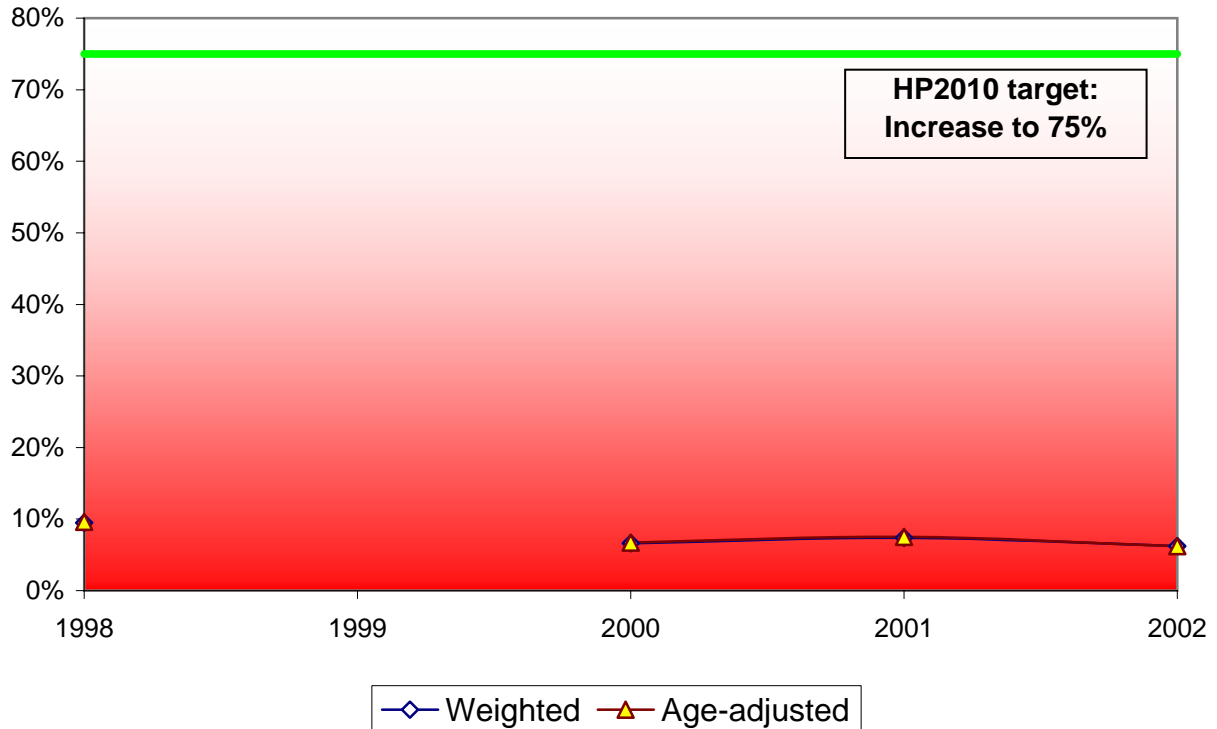
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS $\geq$ 2	321		604	449	545
DAILY FRUIT SERVINGS < 2	1818		5385	4021	5420
TOTAL	2139		5989	4470	5965

PERCENT	1998	1999	2000	2001	2002
Weighted percent	14.0		9.3	8.9	8.7
C.I. (95%)	(12.2 - 15.9)		(8.4 - 10.2)	(8.0 - 10.1)	(7.8 - 9.7)
Age-adjusted percent	14.0		9.3	8.9	8.7
C.I. (95%)	(12.2 - 15.9)		(8.4 - 10.3)	(8.0 - 10.0)	(7.8 - 9.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 19-5/ Supplement 1

**Percent of men aged 18+  
who consume at least two daily servings of fruits  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS $\geq$ 2	91		200	150	159
DAILY FRUIT SERVINGS < 2	837		2467	1774	2424
TOTAL	928		2667	1924	2583

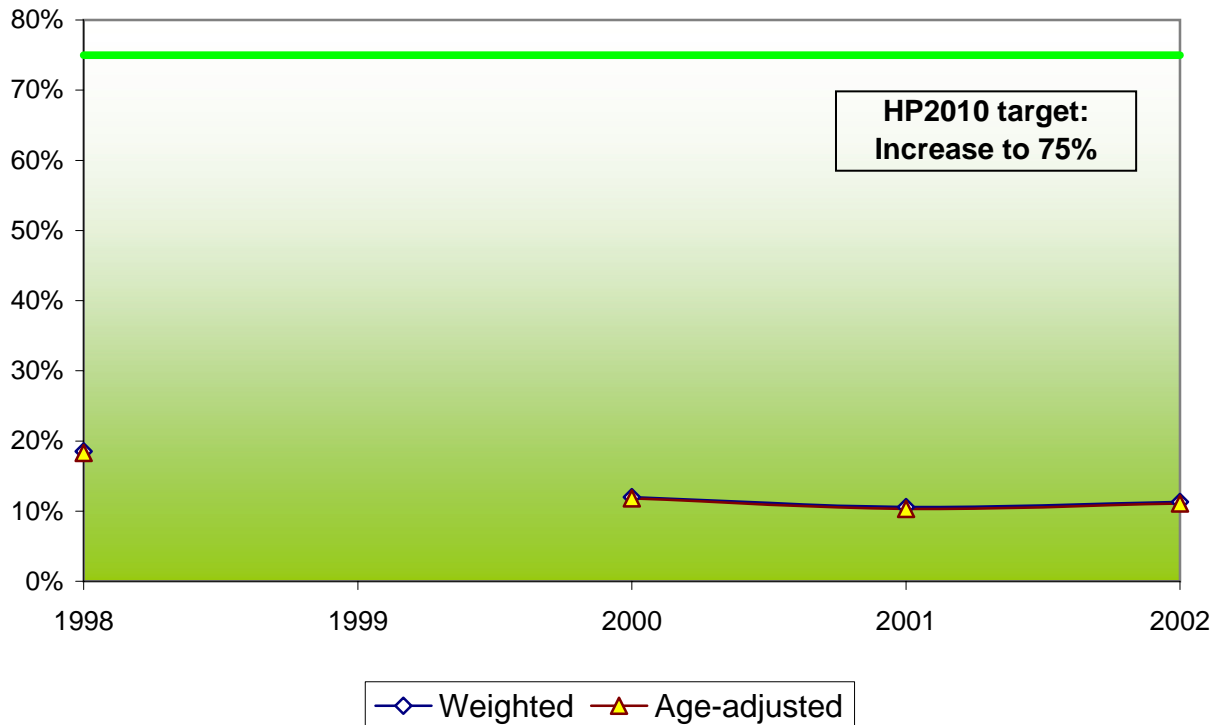
PERCENT	1998	1999	2000	2001	2002
Weighted percent	9.5		6.6	7.4	6.2
C.I (95%)	(7.4 - 12.1)		(5.5 - 7.9)	(6.1 - 9.0)	(5.0 - 7.6)
Age-adjusted percent	9.6		6.7	7.5	6.2
C.I (95%)	(7.5 - 12.2)		(5.6 - 8.0)	(6.1 - 9.1)	(5.1 - 7.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 19-5/ Supplement 2

**Percent of women aged 18+ who consume at least two daily servings of fruits  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS $\geq$ 2	230		404	299	386
DAILY FRUIT SERVINGS < 2	981		2918	2247	2996
TOTAL	1211		3322	2546	3382

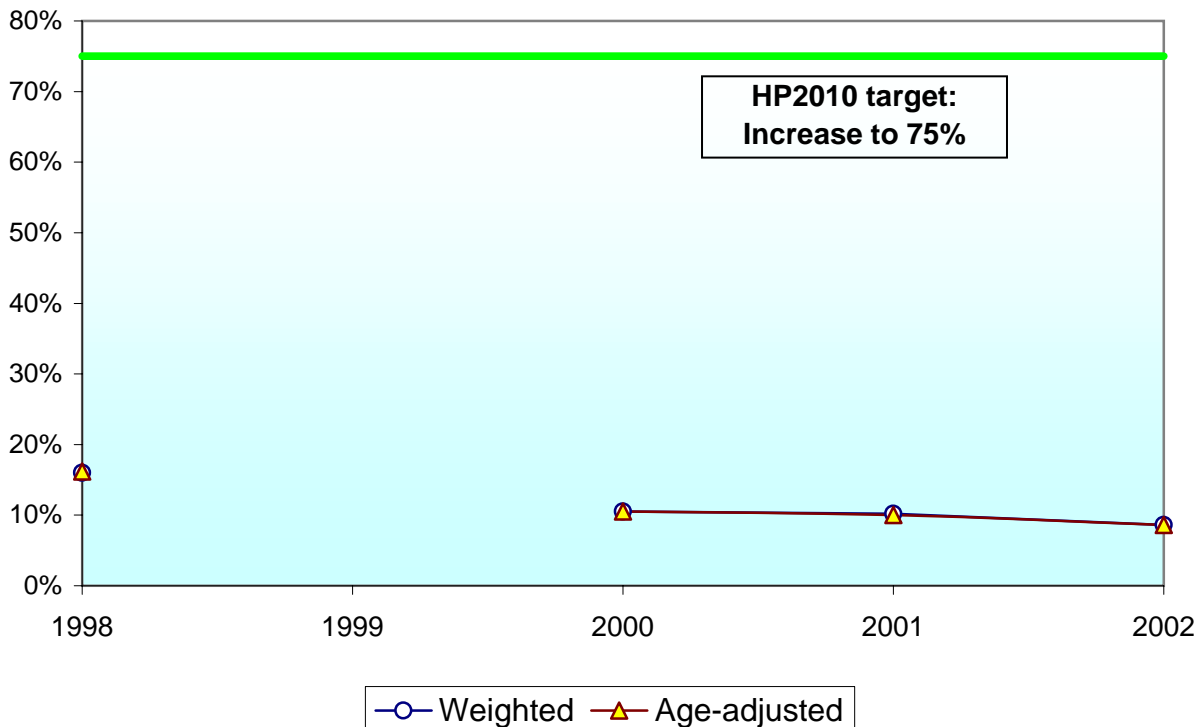
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	18.5		12.0	10.6	11.3
C.I (95%)	(15.9 - 21.5)		(10.7 - 13.5)	(9.2 - 12.2)	(9.9 - 12.8)
Age-adjusted percent	18.3		11.8	10.3	11.1
C.I (95%)	(15.7 - 21.3)		(10.5 - 13.4)	(8.9 - 11.9)	(9.8 - 12.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-5/ Supplement 3**

**Percent of White adults aged 18+ who consume at least two daily servings of fruits  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS >= 2	143		265	209	251
DAILY FRUIT SERVINGS < 2	700		1985	1640	2219
TOTAL	843		2250	1849	2470

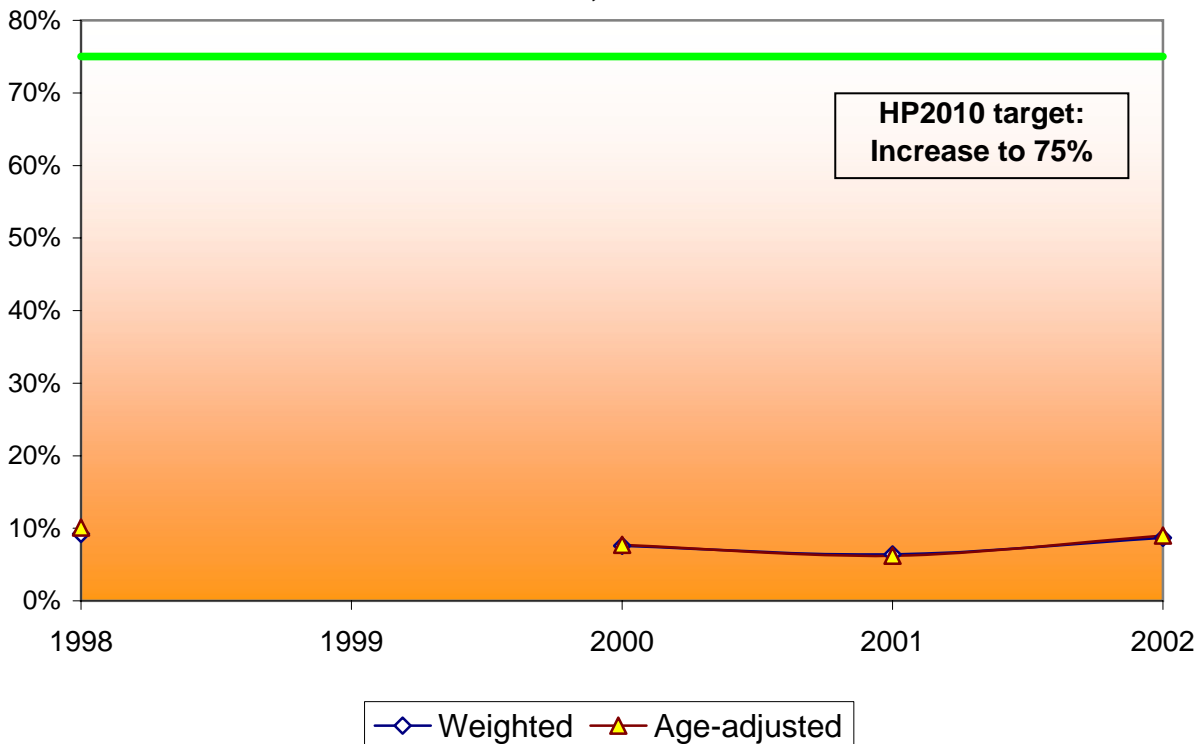
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	16.0		10.5	10.2	8.6
C.I (95%)	(13.2 - 19.4)		(8.6 - 12.1)	(9.1 - 12.1)	(7.4 - 10.0)
Age-adjusted percent	16.2		10.5	10.0	8.6
C.I (95%)	(13.2 - 19.7)		(10.5 - 13.4)	(8.4 - 11.8)	(7.4 - 9.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 19-5/ Supplement 4

Percent of Hawaiians aged 18+ who consume at least two daily servings of fruits  
Hawaii, 1998-2002



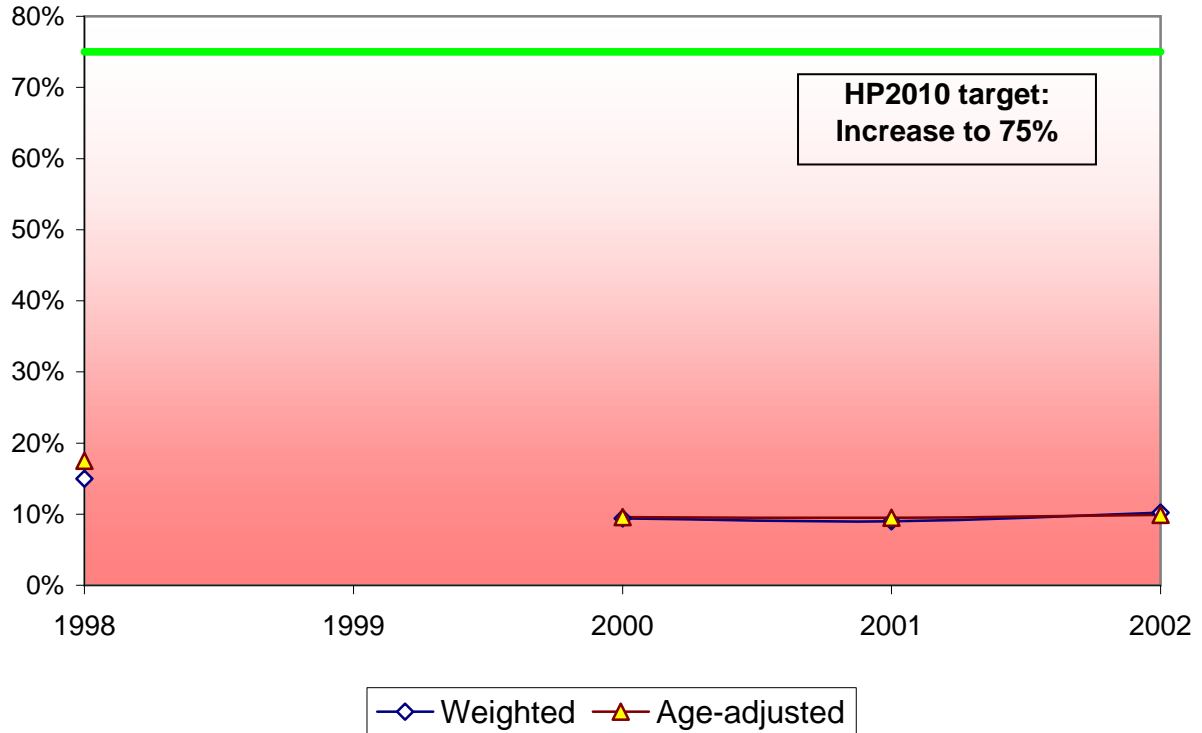
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS >= 2	25		82	45	66
DAILY FRUIT SERVINGS < 2	279		848	536	702
TOTAL	304		930	581	768

PERCENT	1998	1999	2000	2001	2002
Weighted percent	9.2		7.6	6.4	8.7
C.I (95%)	(5.5 - 15.1)		(5.7 - 10.1)	(4.4 - 9.2)	(6.5 - 11.7)
Age-adjusted percent	10.1		7.7	6.2	9.0
C.I (95%)	(6.0 - 16.4)		(5.8 - 10.1)	(4.4 - 8.8)	(6.6 - 12.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-5/ Supplement 5**

**Percent of Filipinos aged 18+ who consume at least two daily servings of fruits  
Hawaii, 1998-2002**



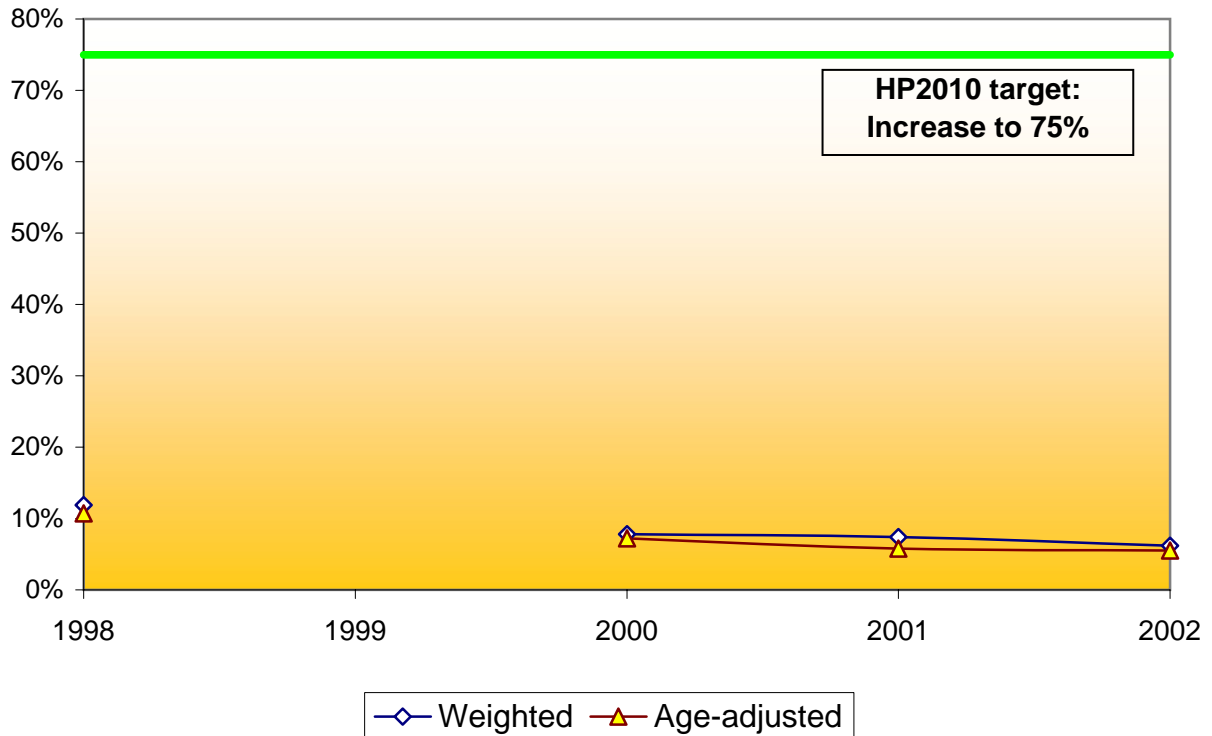
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS $\geq$ 2	37		60	55	68
DAILY FRUIT SERVINGS < 2	194		672	491	700
TOTAL	231		732	546	768

PERCENT	1998	1999	2000	2001	2002
Weighted percent	15.0		9.4	9.0	10.2
C.I (95%)	(10.1 - 21.7)		(6.7 - 13.0)	(6.4 - 12.7)	(7.6 - 13.5)
Age-adjusted percent	17.5		9.6	9.5	9.9
C.I (95%)	(11.7 - 25.2)		(6.9 - 13.2)	(6.7 - 13.2)	(7.4 - 13.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-5/ Supplement 6**

**Percent of Japanese aged 18+ who consume at least two daily servings of fruits  
Hawaii, 1998-2002**



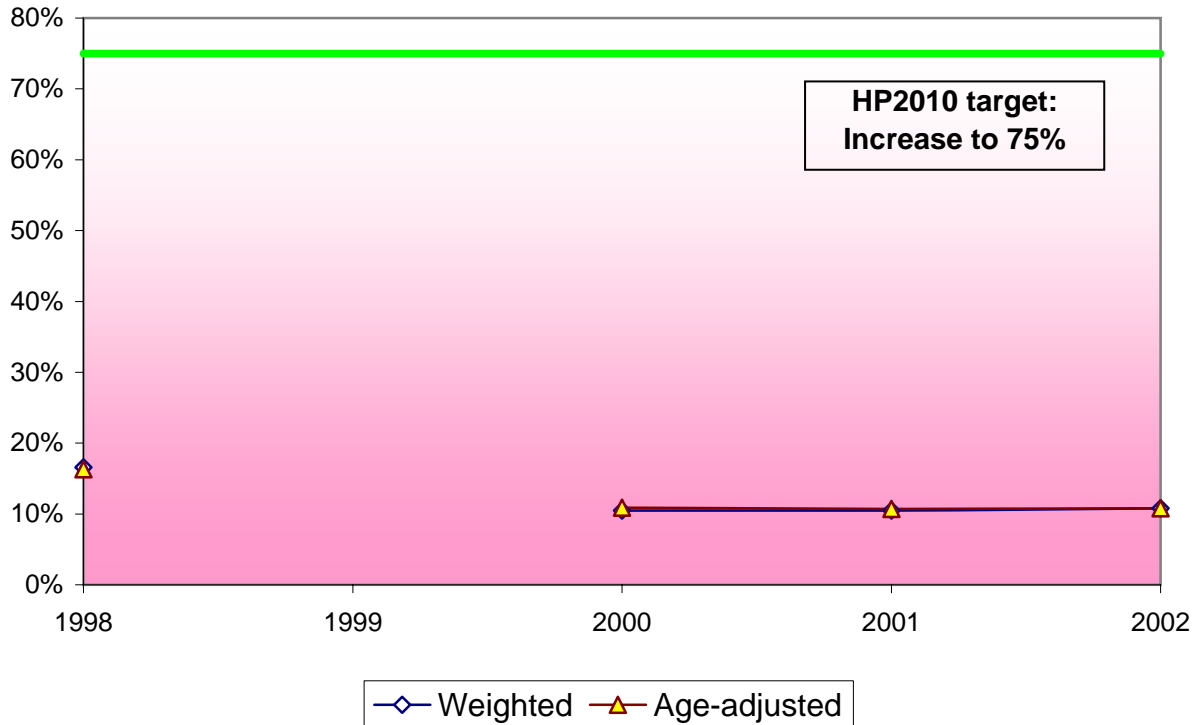
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS $\geq$ 2	65		108	69	82
DAILY FRUIT SERVINGS < 2	404		1156	793	1081
TOTAL	469		1264	862	1163

PERCENT	1998	1999	2000	2001	2002
Weighted percent	11.9		7.8	7.4	6.2
C.I (95%)	(8.9 - 15.7)		(6.3 - 9.7)	(5.5 - 9.9)	(4.8 - 8.0)
Age-adjusted percent	10.7		7.2	5.8	5.5
C.I (95%)	(7.7 - 14.7)		(5.5 - 9.3)	(4.3 - 7.9)	(4.1 - 7.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 19-5/ Supplement 7

**Percent of adults of other races aged 18+ who consume at least two daily servings of fruits  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS $\geq$ 2	51		89	71	78
DAILY FRUIT SERVINGS < 2	241		724	561	718
TOTAL	292		813	632	796

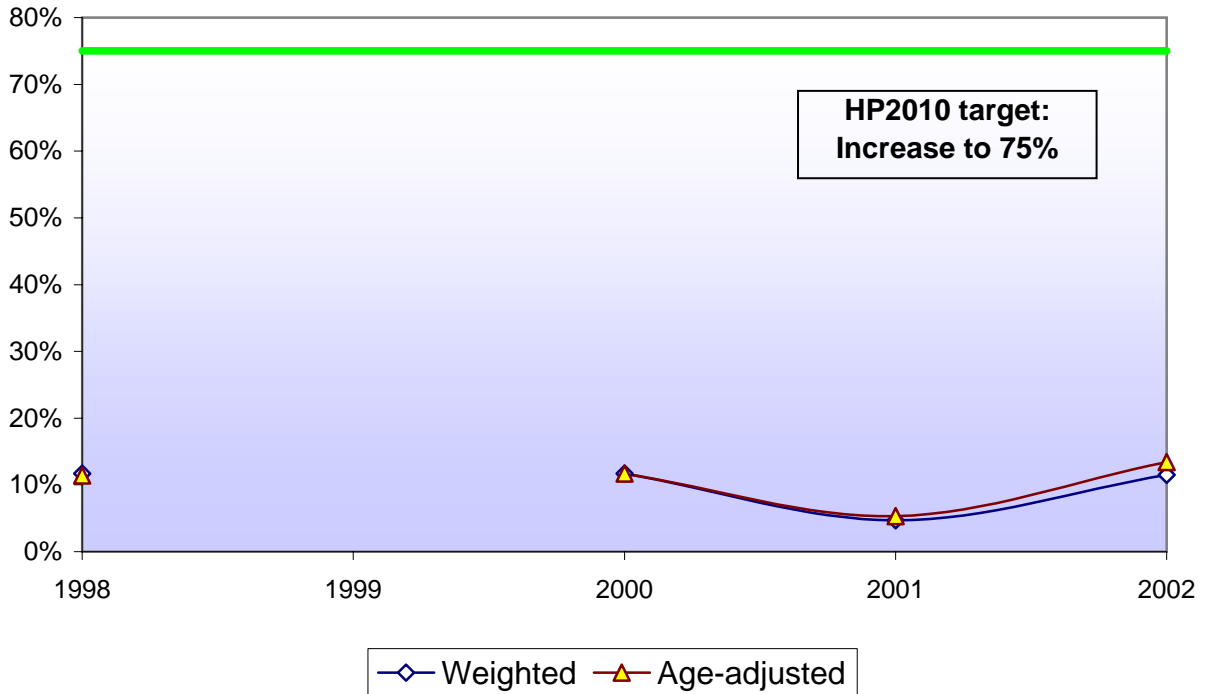
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	16.6		10.5	10.5	10.8
C.I. (95%)	(12.1 - 22.3)		(8.1 - 13.4)	(8.0 - 13.5)	(8.0 - 14.4)
Age-adjusted percent	16.3		10.9	10.7	10.8
C.I. (95%)	(12.0 - 21.9)		(8.5 - 13.8)	(8.2 - 13.7)	(8.2 - 14.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-5/ Supplement 8**

**Percent of adults aged 18+ in low income household  
who consume at least two daily servings of fruits  
Hawaii, 1998-2002**



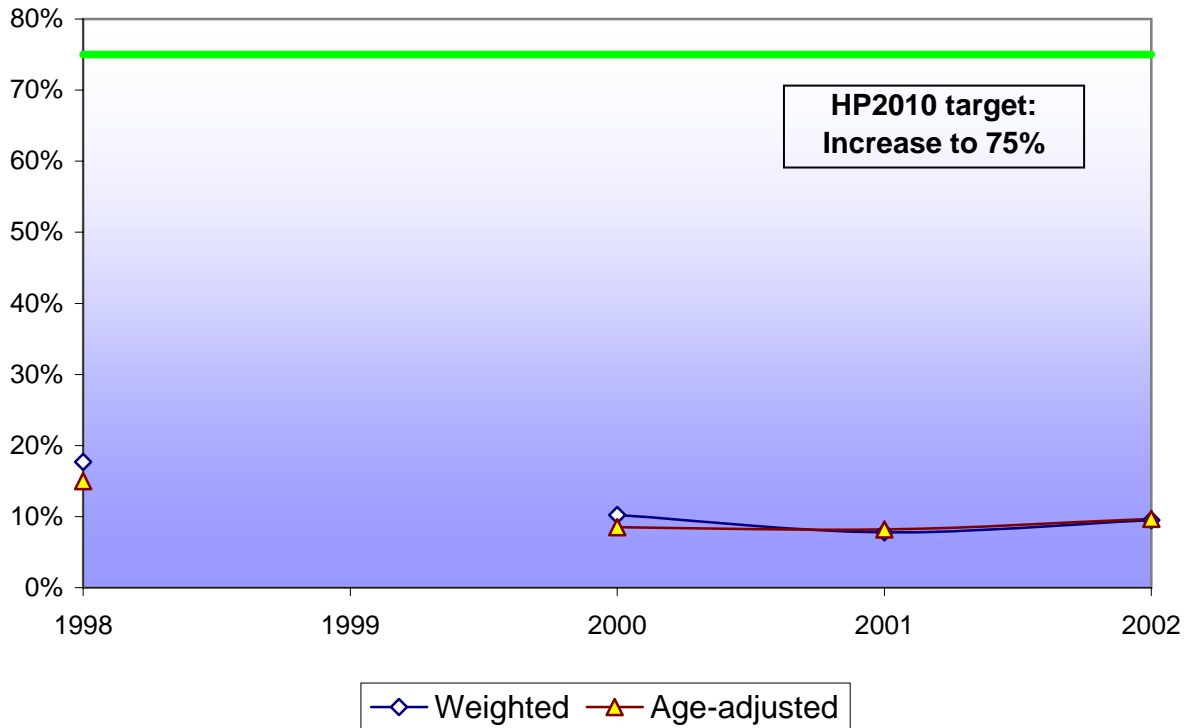
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS >= 2	18		38	13	24
DAILY FRUIT SERVINGS < 2	126		274	179	185
TOTAL	144		312	192	209

PERCENT	1998	1999	2000	2001	2002
Weighted percent	11.7		11.7	4.7	11.5
C.I (95%)	(6.3 - 20.8)		(7.7 - 17.5)	(2.4 - 8.8)	(7.0 - 18.3)
Age-adjusted percent	11.4		11.7	5.3	13.4
C.I (95%)	(5.9 - 21.0)		(7.4 - 17.8)	(2.7 - 10.1)	(7.2 - 23.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-5/ Supplement 9**

**Percent of adults with less education  
who consume at least two daily servings of fruits  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS >= 2	23		40	33	41
DAILY FRUIT SERVINGS < 2	120		371	250	332
TOTAL	143		411	283	373

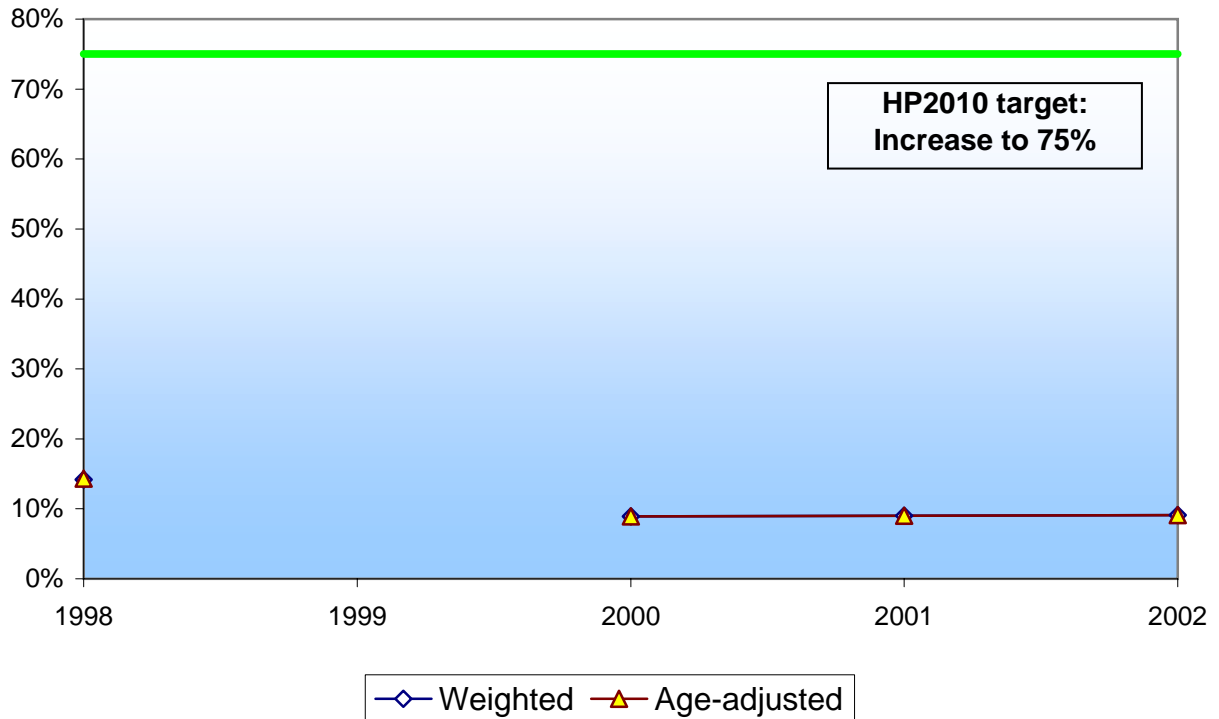
PERCENT	1998	1999	2000	2001	2002
Weighted percent	17.7		10.2	7.8	9.5
C.I (95%)	(10.0 - 29.6)		(6.9 - 14.7)	(7.8 - 9..7)	(8.0 - 10.1)
Age-adjusted percent	15.0		8.5	8.2	9.7
C.I (95%)	(8.2 - 25.9)		(5.4 - 13.1)	(4.5 - 14.4)	(6.1 - 15.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 19-5/ Supplement 10

**Percent of adults aged 18+ who consume at least two daily servings of fruits  
Honolulu county, Hawaii, 1998-2002**



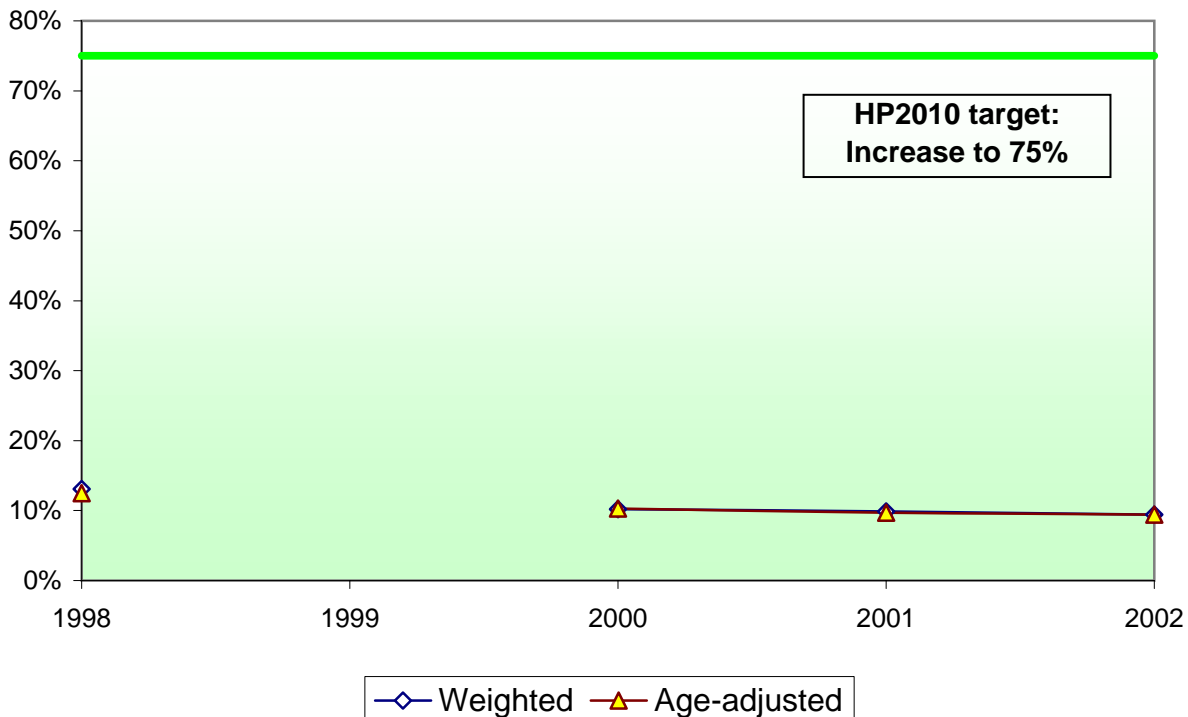
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS $\geq$ 2	157		277	206	271
DAILY FRUIT SERVINGS < 2	834		2518	1699	2526
TOTAL	991		2795	1905	2797

PERCENT	1998	1999	2000	2001	2002
Weighted percent	14.2		8.9	9.0	9.1
C.I (95%)	(12.0 - 16.7)		(7.8 - 10.1)	(7.7 - 10.4)	(8.0 - 10.5)
Age-adjusted percent	14.3		8.9	9.0	9.1
C.I (95%)	(12.1 - 16.8)		(7.8 - 10.1)	(7.7 - 10.4)	(8.0 - 10.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 19-5/ Supplement 11

**Percent of adults aged 18+ who consume at least two daily servings of fruits  
Hawaii county, Hawaii, 1998-2002**



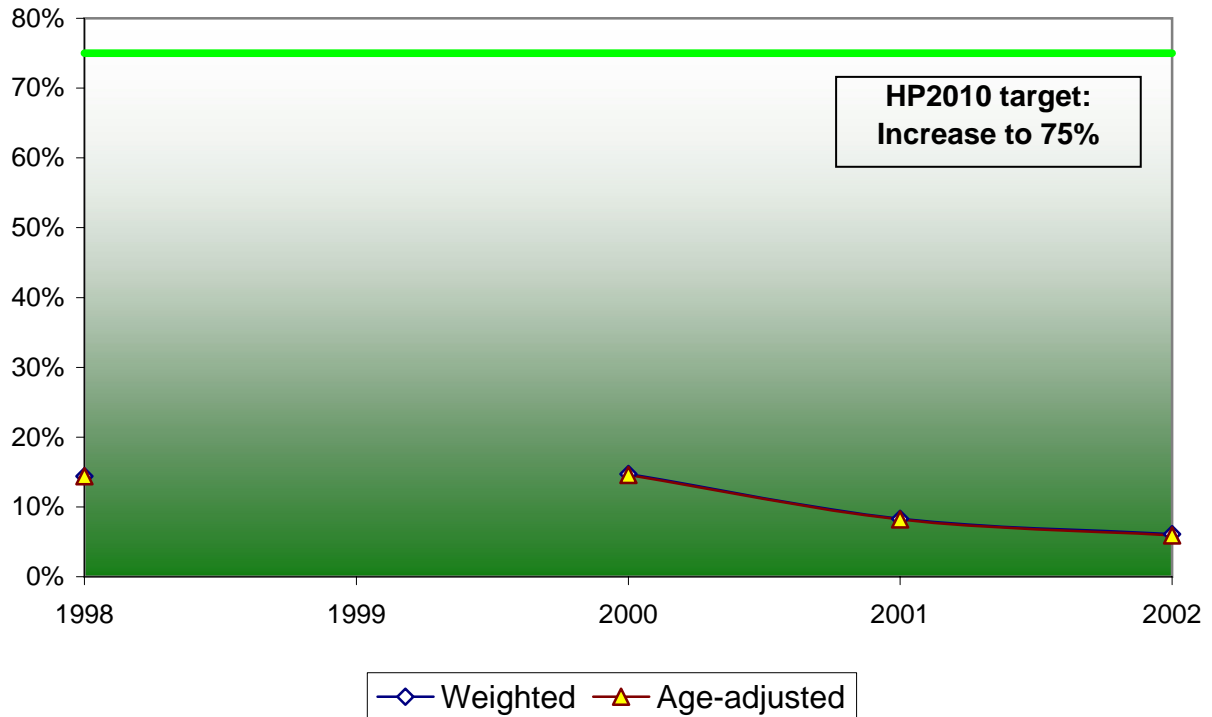
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS >= 2	77		153	107	141
DAILY FRUIT SERVINGS < 2	449		1294	904	1227
TOTAL	526		1447	1011	1368

PERCENT	1998	1999	2000	2001	2002
Weighted percent	13.1		10.2	9.9	9.4
C.I (95%)	(10.3 - 16.5)		(8.2 - 12.7)	(8.0 - 12.1)	7.8 - 11.3)
Age-adjusted percent	12.5		10.3	9.7	9.4
C.I (95%)	(9.9 - 15.8)		(8.1 - 13.1)	(7.9 - 12.0)	(7.6 - 11.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 19-5/ Supplement 12

**Percent of adults aged 18+ who consume at least two daily servings of fruits  
Kauai county, Hawaii, 1998-2002**



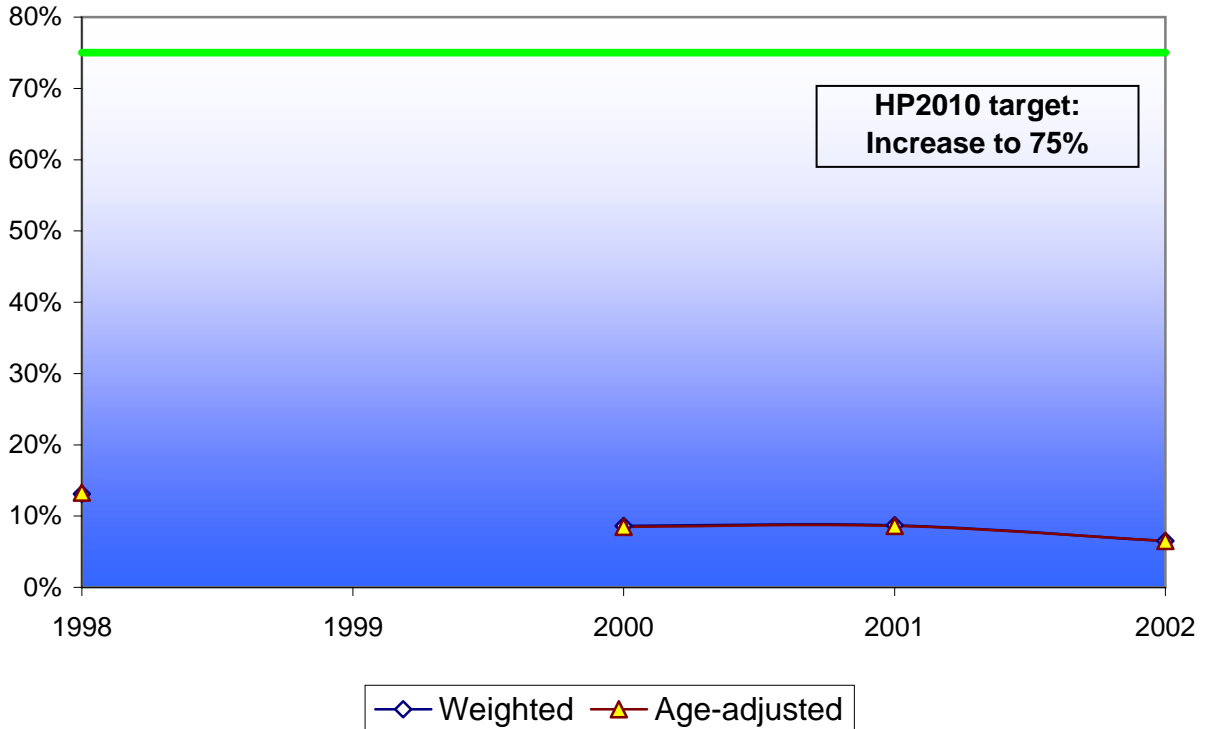
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS $\geq$ 2	34		71	46	46
DAILY FRUIT SERVINGS < 2	174		514	502	552
TOTAL	208		585	548	598

PERCENT	1998	1999	2000	2001	2002
Weighted percent	14.4		14.7	8.3	6.1
C.I (95%)	(9.9 - 20.6)		(10.4 - 20.3)	(6.0 - 11.3)	(4.4 - 8.5)
Age-adjusted percent	14.4		14.6	8.2	5.9
C.I (95%)	(9.9 - 20.5)		(10.5 - 20.0)	(5.9 - 11.2)	(4.2 - 8.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-5/ Supplement 13**

**Percent of adults aged 18+ who consume at least two daily servings of fruits  
Maui county, Hawaii, 1998-2002**



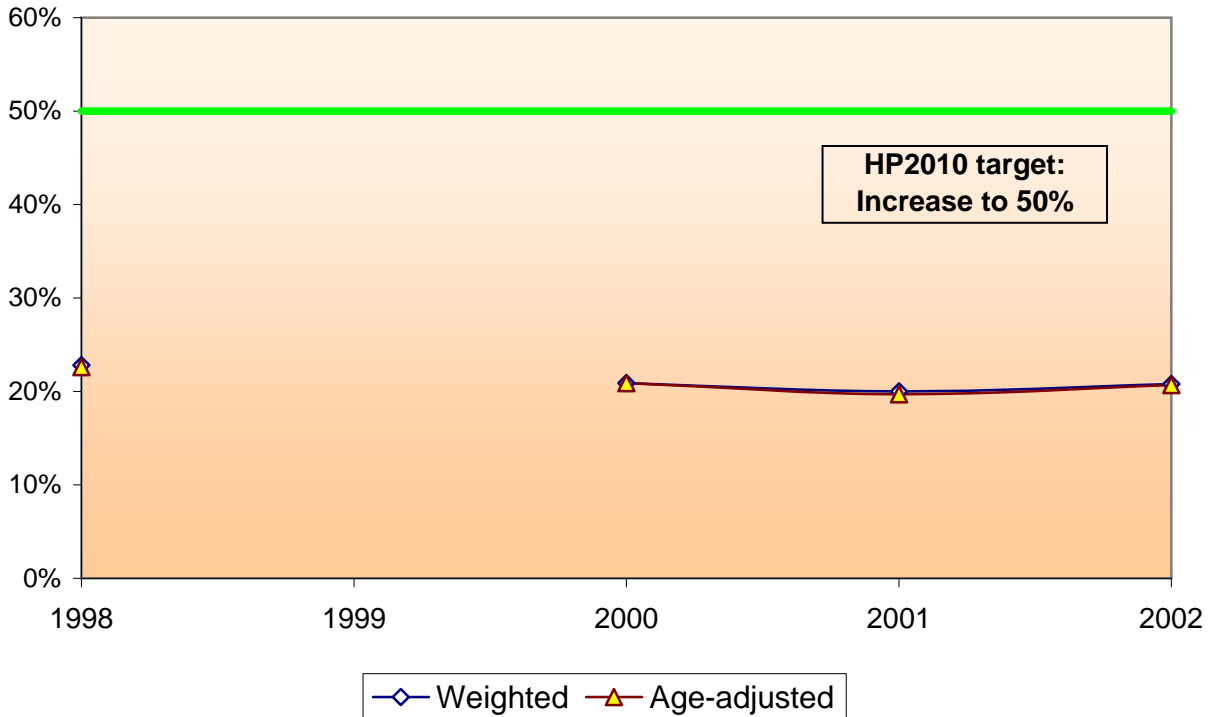
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY FRUIT SERVINGS >= 2	53		103	90	87
DAILY FRUIT SERVINGS < 2	361		1059	916	1115
TOTAL	414		1162	1006	1202

PERCENT	1998	1999	2000	2001	2002
Weighted percent	13.1		8.6	8.7	6.5
C.I. (95%)	(9.6 - 17.8)		(6.9 - 10.8)	(6.8 - 11.1)	(5.1 - 8.2)
Age-adjusted percent	13.3		8.5	8.6	6.5
C.I. (95%)	(9.6 - 18.0)		(6.8 - 10.6)	(6.7 - 10.9)	(5.1 - 8.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6**

**Percent of adults aged 18+  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Hawaii, 1998-2002**



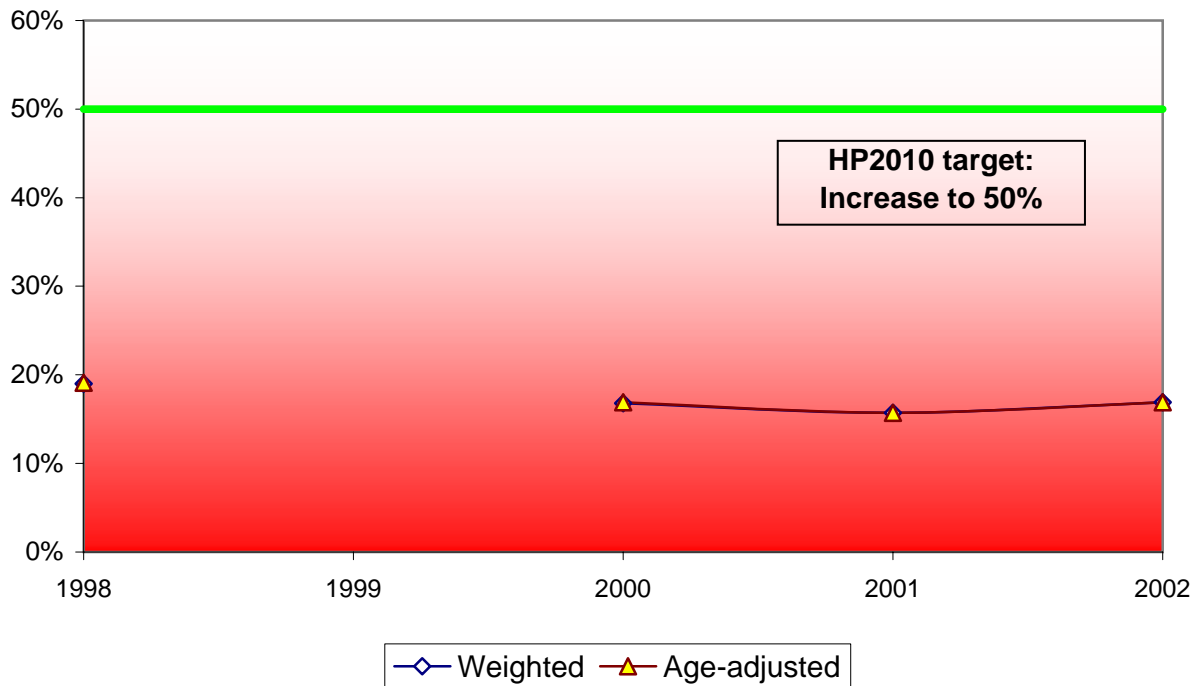
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	422		1169	872	1162
DAILY VEGETABLE SERVINGS < 3	1427		4162	3056	4212
TOTAL	1849		5331	3928	5374

PERCENT	1998	1999	2000	2001	2002
Weighted percent	22.8		20.9	20.0	20.8
C.I (95%)	(20.4 - 25.4)		(19.4 - 22.5)	(18.4 - 21.8)	(19.4 - 22.4)
Age-adjusted percent	22.6		20.9	19.7	20.7
C.I (95%)	(20.2 - 25.2)		(19.4 - 22.4)	(18.0 - 21.4)	(19.2 - 22.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 19-6/ Supplement 1

**Percent of men aged 18+  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Hawaii, 1998-2002**



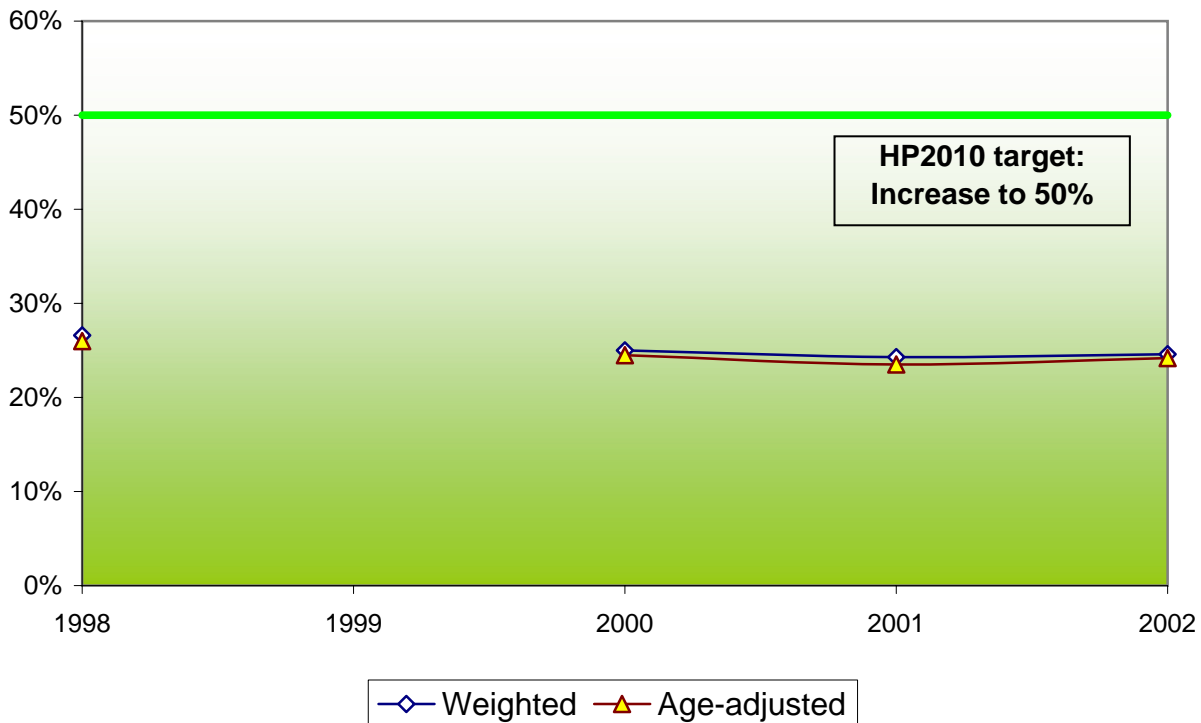
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	153		403	297	380
DAILY VEGETABLE SERVINGS < 3	641		1940	1372	1903
TOTAL	794		2343	1669	2283

PERCENT	1998	1999	2000	2001	2002
Weighted percent	19.0		16.8	15.7	16.9
C.I (95%)	(15.7 - 22.8)		(14.7 - 19.2)	(13.6 - 18.0)	(14.9 - 19.1)
Age-adjusted percent	19.1		16.9	15.7	16.9
C.I (95%)	(15.7 - 23.0)		(14.8 - 19.2)	(13.6 - 18.0)	(14.9 - 19.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 2**

**Percent of women aged 18+  
who consume at least three daily servings of vegetables with 1/3  
being dark green or orange vegetables  
Hawaii, 1998-2002**



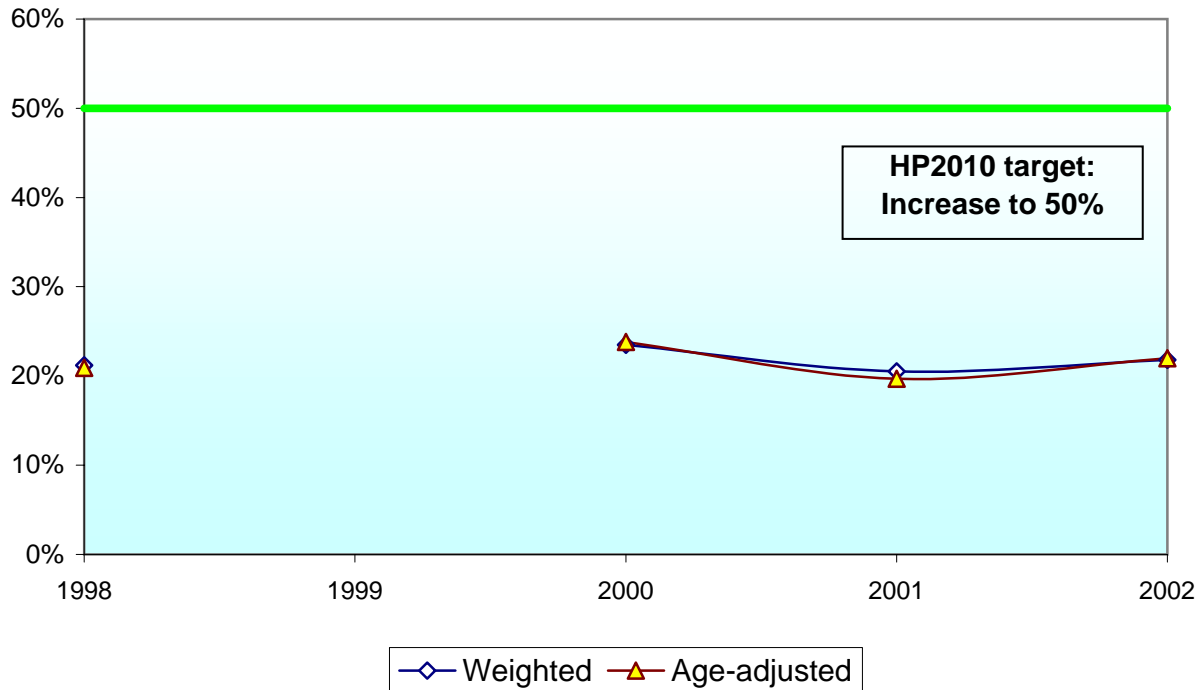
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	289		766	575	782
DAILY VEGETABLE SERVINGS < 3	766		2222	1684	2309
TOTAL	1055		2988	2259	3091

PERCENT	1998	1999	2000	2001	2002
Weighted percent	26.6		25.0	24.3	24.6
C.I (95%)	(23.2 - 30.2)		(23.0 - 27.1)	(21.9 - 27.0)	(22.6 - 26.7)
Age-adjusted percent	26.0		24.5	23.5	24.2
C.I (95%)	(22.8 - 29.4)		(22.6 - 26.6)	(21.1 - 26.0)	(22.2 - 26.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 3**

**Percent White adults aged 18+  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	164		470	375	510
DAILY VEGETABLE SERVINGS < 3	580		1563	1281	1731
TOTAL	744		2033	1656	2241

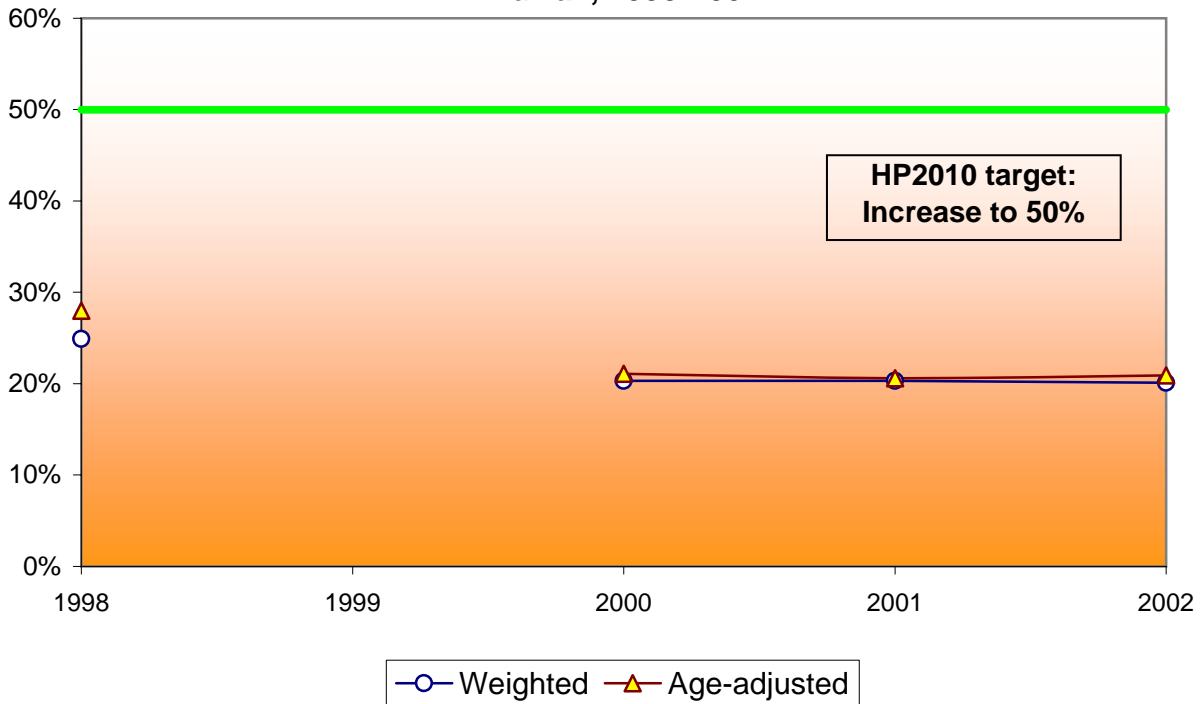
PERCENT	1998	1999	2000	2001	2002
Weighted percent	21.2		23.5	20.5	21.8
C.I (95%)	(17.5 - 25.6)		(21.2 - 26.1)	(18.1 - 23.2)	(19.5 - 24.3)
Age-adjusted percent	20.9		23.8	19.7	22.0
C.I (95%)	(17.3 - 25.1)		(21.3 - 26.4)	(17.4 - 22.2)	(19.6 - 24.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 19-6/ Supplement 4**

**Percent of Hawaiians aged 18+ who consume at least three daily servings of vegetables with 1/3 being dark green or orange vegetables  
Hawaii, 1998-2002**



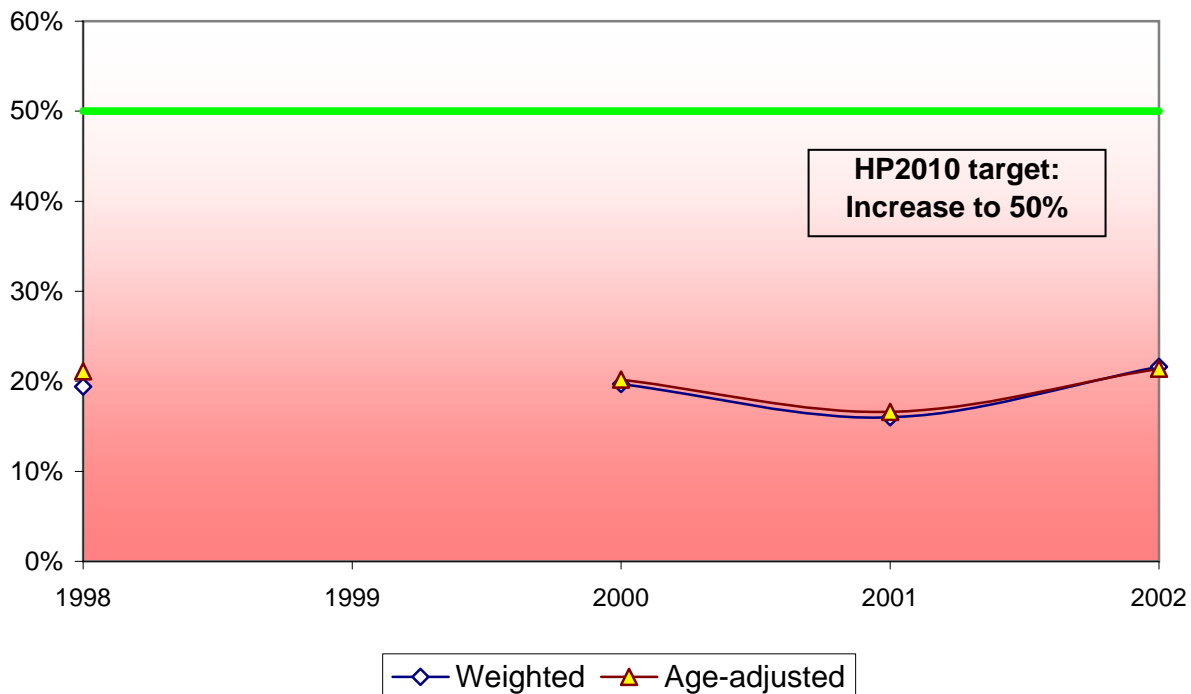
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	65		180	125	137
DAILY VEGETABLE SERVINGS < 3	205		653	391	577
TOTAL	270		833	516	714

PERCENT	1998	1999	2000	2001	2002
Weighted percent	24.9		20.3	20.3	20.1
C.I (95%)	(18.6 - 32.4)		(16.2 - 25.1)	(16.2 - 25.1)	(16.2 - 24.6)
Age-adjusted percent	28.0		21.1	20.6	20.9
C.I (95%)	(21.8 - 35.3)		(16.5 - 25.4)	(16.2 - 24.6)	(16.9 - 25.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 5**

**Percent of Filipinos aged 18+ who consume at least three daily servings of vegetables with 1/3 being dark green or orange vegetables  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	41		131	81	143
DAILY VEGETABLE SERVINGS < 3	138		495	380	521
TOTAL	179		626	461	664

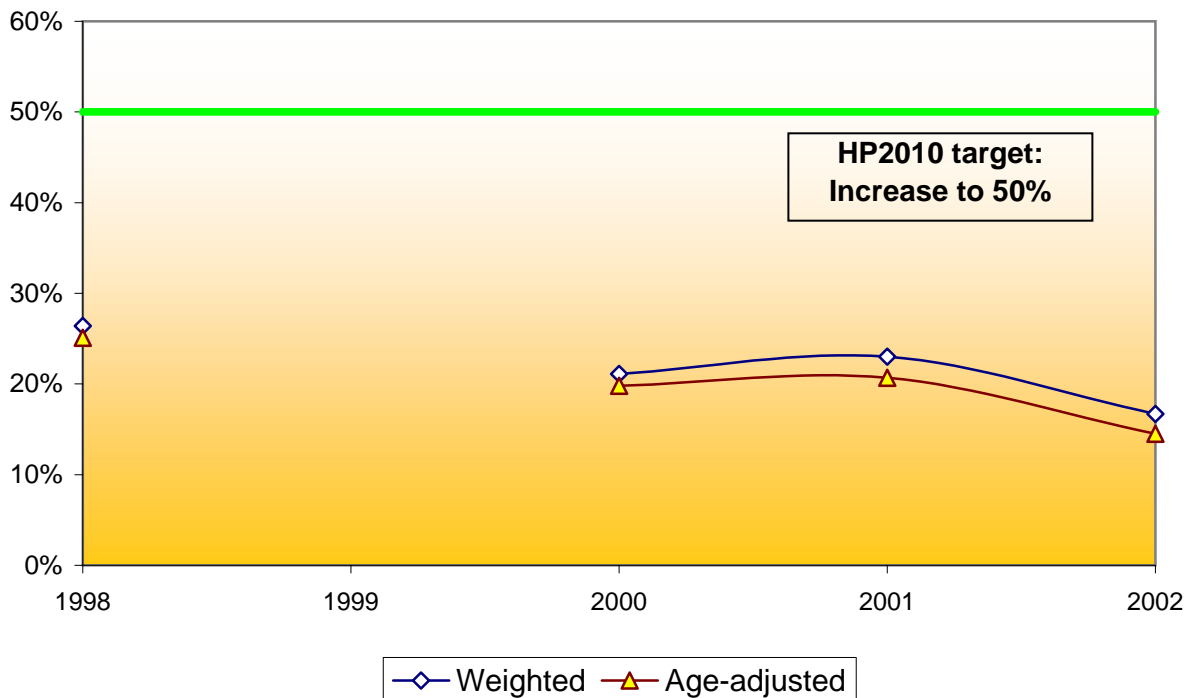
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	19.4		19.7	16.0	21.6
C.I (95%)	(13.2 - 27.6)		(15.5 - 24.6)	(11.0 - 22.9)	(17.7 - 26.1)
Age-adjusted percent	21.1		20.2	16.6	21.4
C.I (95%)	(14.2 - 30.2)		(16.0 - 25.2)	(11.9 - 22.6)	(17.5 - 26.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 6**

**Percent of Japanese aged 18+  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Hawaii, 1998-2002**



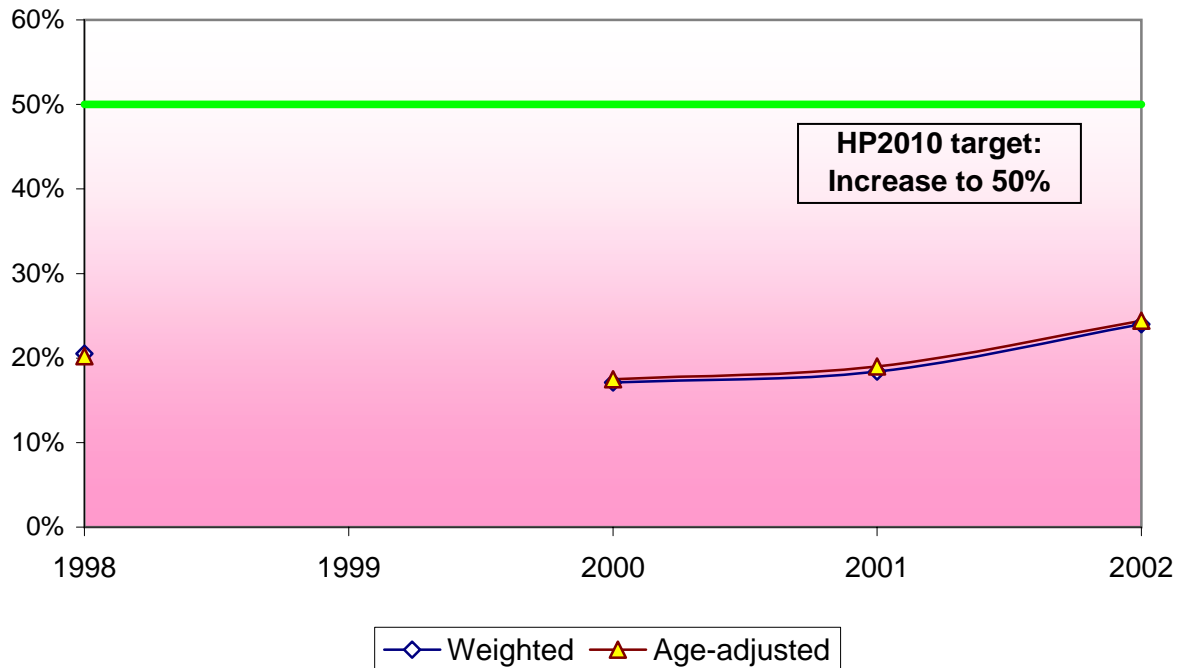
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	115		264	181	206
DAILY VEGETABLE SERVINGS < 3	299		872	586	855
TOTAL	414		1136	767	1061

PERCENT	1998	1999	2000	2001	2002
Weighted percent	26.4		21.1	23.0	16.7
C.I (95%)	(21.5 - 32.0)		(19.4 - 24.1)	(19.2 - 27.3)	(14.2 - 19.5)
Age-adjusted percent	25.1		19.8	20.7	14.5
C.I (95%)	(20.0 - 31.1)		(16.8 - 23.1)	(16.9 - 24.9)	(12.1 - 17.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 7**

**Percent of adults of other races aged 18+ who consume at least three daily servings of vegetables with 1/3 being dark green or orange vegetables  
Hawaii, 1998-2002**



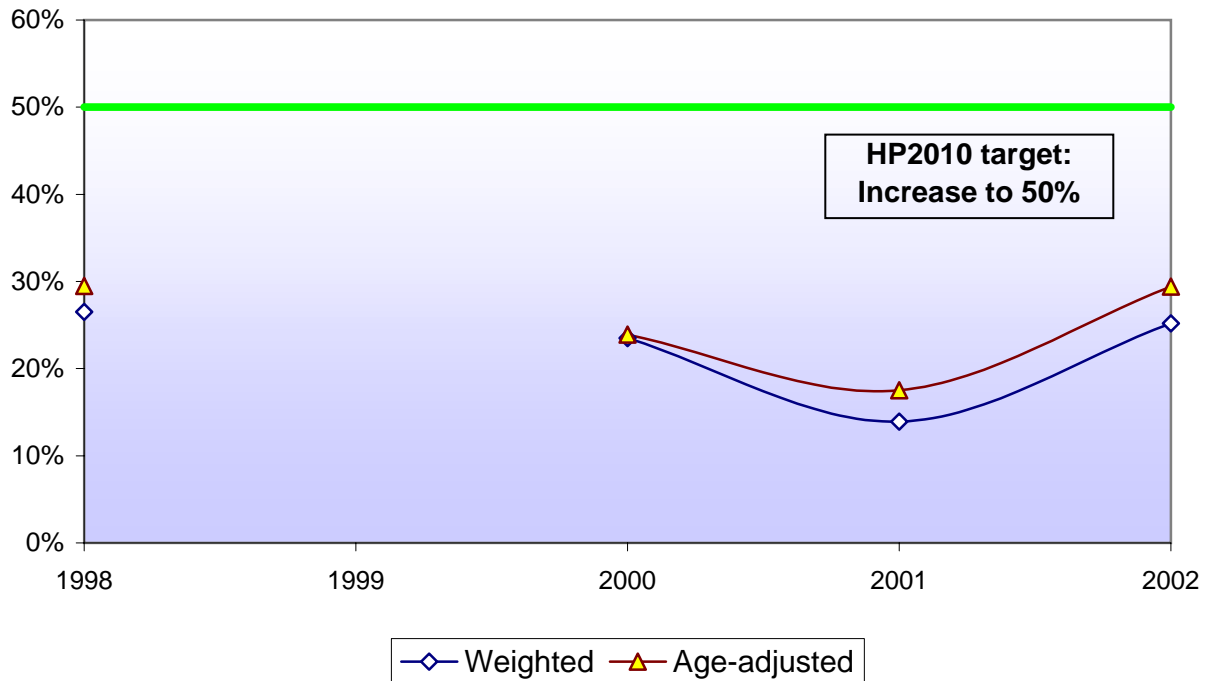
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	57		124	110	166
DAILY VEGETABLE SERVINGS < 3	185		579	418	528
TOTAL	242		703	528	694

PERCENT	1998	1999	2000	2001	2002
Weighted percent	20.5		17.1	18.4	24.0
C.I (95%)	(15.1 - 27.3)		(13.9 - 21.0)	(14.7 - 22.8)	(20.1 - 28.4)
Age-adjusted percent	20.2		17.5	19.0	24.4
C.I (95%)	(14.5 - 27.4)		(14.3 - 21.2)	(15.3 - 23.4)	(20.5 - 28.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 8**

**Percent of adults aged 18+ in low income household  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Hawaii, 1998-2002**



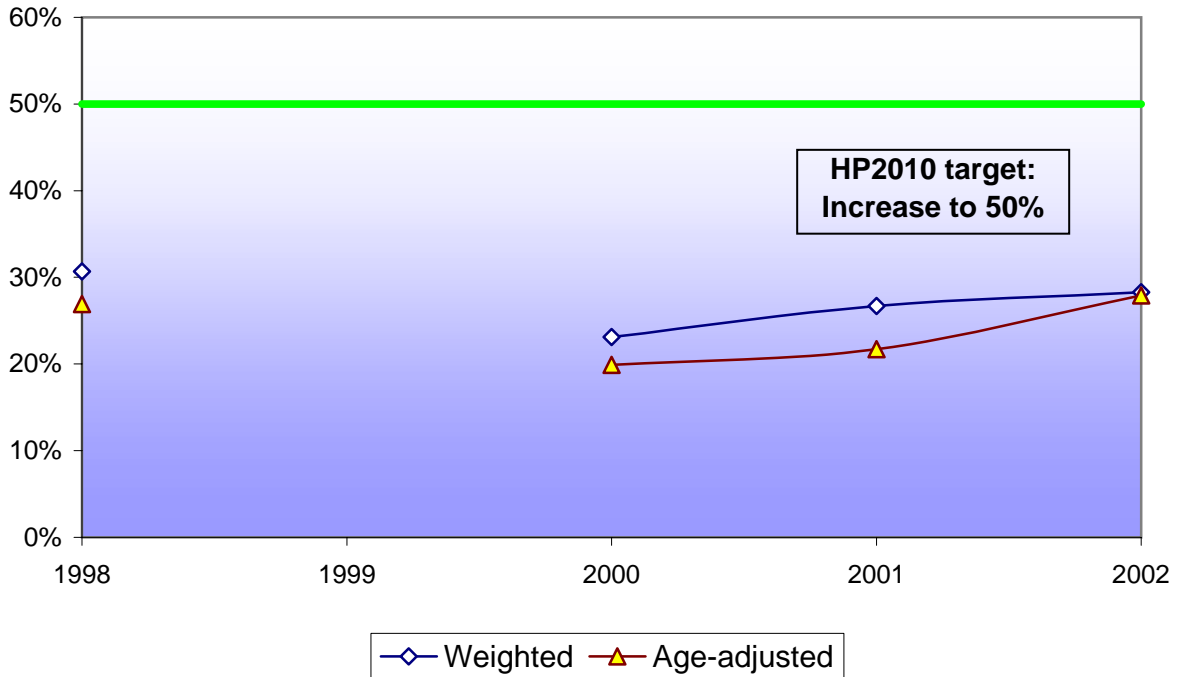
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	28		63	25	49
DAILY VEGETABLE SERVINGS < 3	93		206	142	138
TOTAL	121		269	167	187

PERCENT	1998	1999	2000	2001	2002
Weighted percent	26.5		23.5	13.9	25.2
C.I (95%)	(17.2 - 38.4)		(17.1 - 31.3)	(6.5 - 27.2)	(17.7 - 34.5)
Age-adjusted percent	29.5		23.9	17.5	29.4
C.I (95%)	(18.7 - 43.3)		(17.3 - 32.1)	(9.1 - 31.0)	(20.3 - 40.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 9**

**Percent of adults with less education  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Hawaii, 1998-2002**



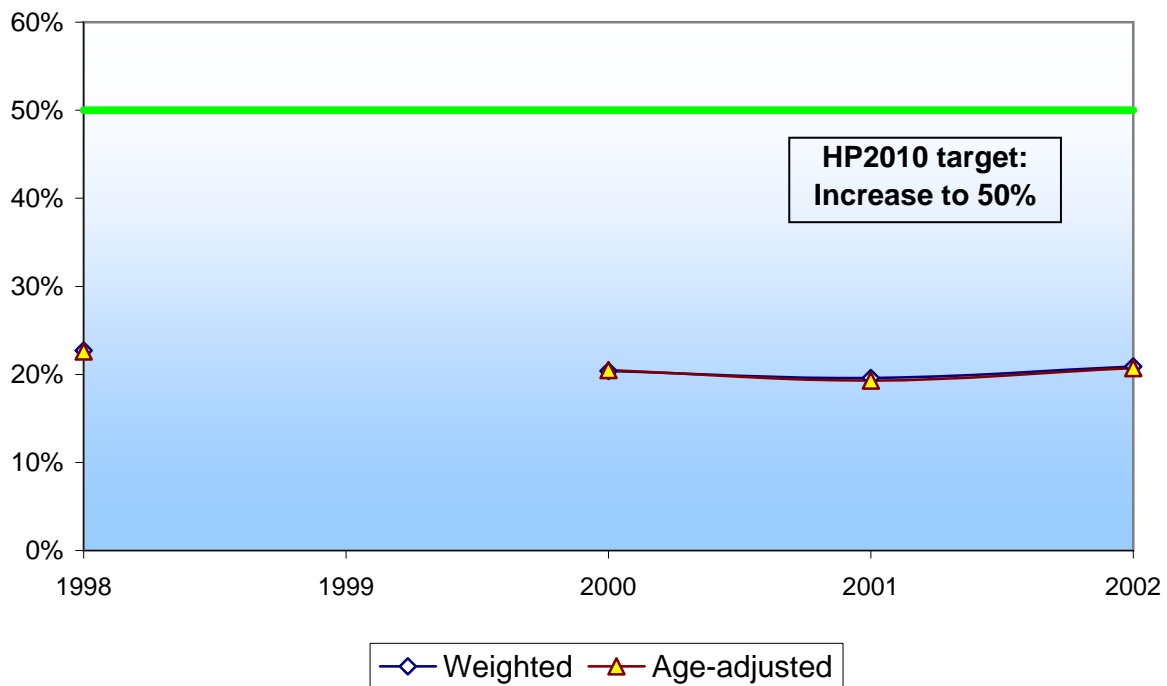
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	34		76	57	80
DAILY VEGETABLE SERVINGS < 3	76		278	174	243
TOTAL	110		354	231	323

PERCENT	1998	1999	2000	2001	2002
Weighted percent	30.7		23.1	26.7	28.3
C.I (95%)	(18.4 - 45.0)		(15.7 - 32.6)	(17.5 - 38.6)	(22.2 - 35.3)
Age-adjusted percent	26.9		19.9	21.7	27.9
C.I (95%)	(15.6 - 42.2)		(11.6 - 32.1)	(14.4 - 31.2)	(20.4 - 36.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 10**

**Percent of adults aged 18+  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Honolulu county, Hawaii, 1998-2002**



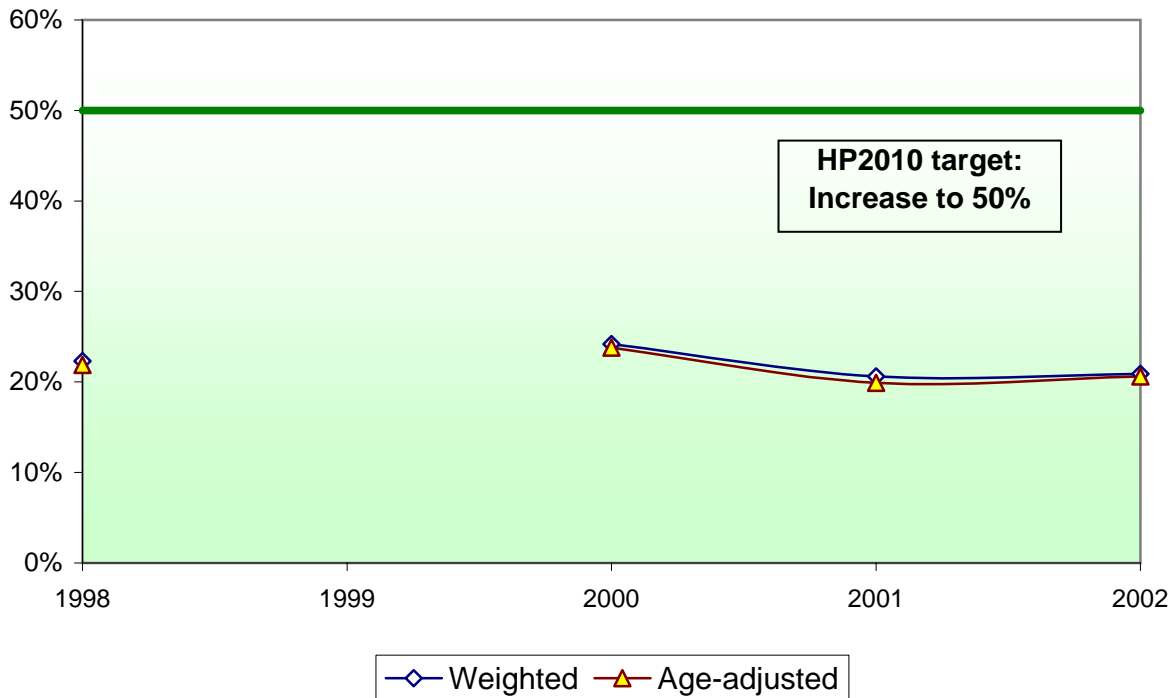
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	199		516	342	526
DAILY VEGETABLE SERVINGS < 3	655		1931	1295	1996
TOTAL	854		2447	1637	2522

PERCENT	1998	1999	2000	2001	2002
Weighted percent	22.7		20.4	19.6	20.9
C.I (95%)	(19.7 - 26.1)		(18.6 - 22.4)	(17.4 - 22.0)	(19.0 - 22.9)
Age-adjusted percent	22.6		20.5	19.3	20.7
C.I (95%)	(19.7 - 25.9)		(18.6 - 22.5)	(17.2 - 21.6)	(18.9 - 22.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 11**

**Percent of adults aged 18+  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	107		325	203	288
DAILY VEGETABLE SERVINGS < 3	346		994	700	954
TOTAL	453		1319	903	1242

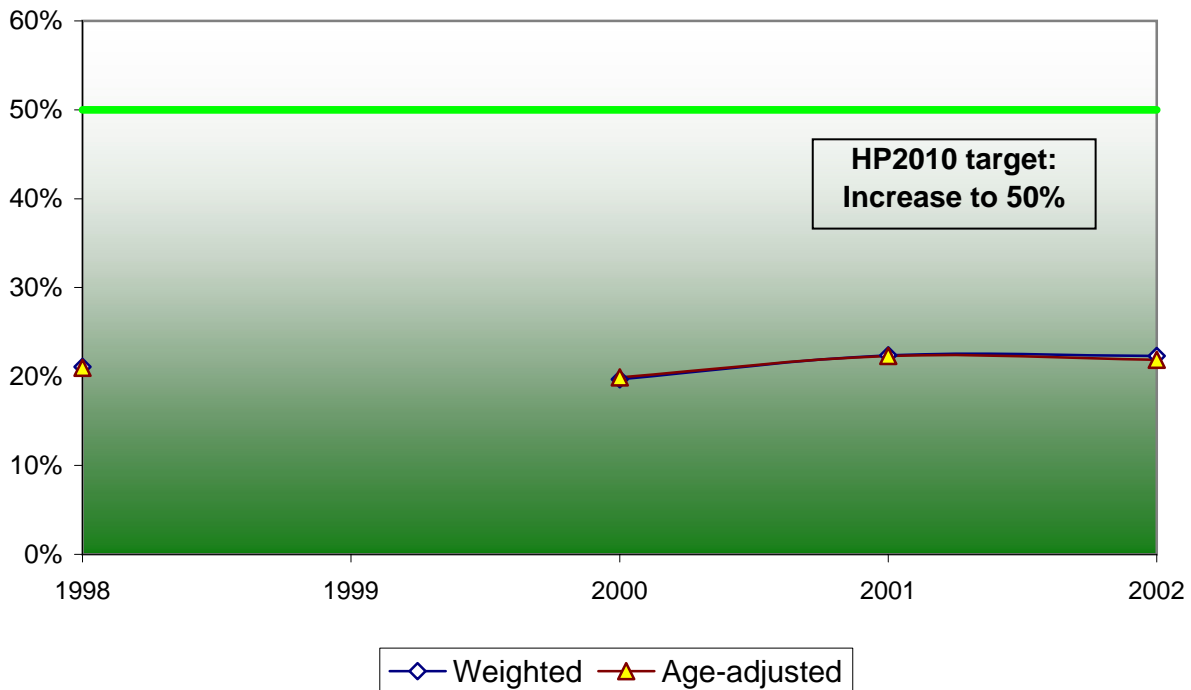
PERCENT	1998	1999	2000	2001	2002
Weighted percent	22.3		24.2	20.6	20.9
C.I (95%)	(18.3 - 26.9)		(21.6 - 27.0)	(17.8 - 23.6)	(18.5 - 23.7)
Age-adjusted percent	21.9		23.8	19.9	20.6
C.I (95%)	(17.9 - 26.5)		(21.2 - 26.6)	(17.2 - 22.9)	(18.0 - 23.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 19-6/ Supplement 12**

**Percent of adults aged 18+  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Kauai county, Hawaii, 1998-2002**



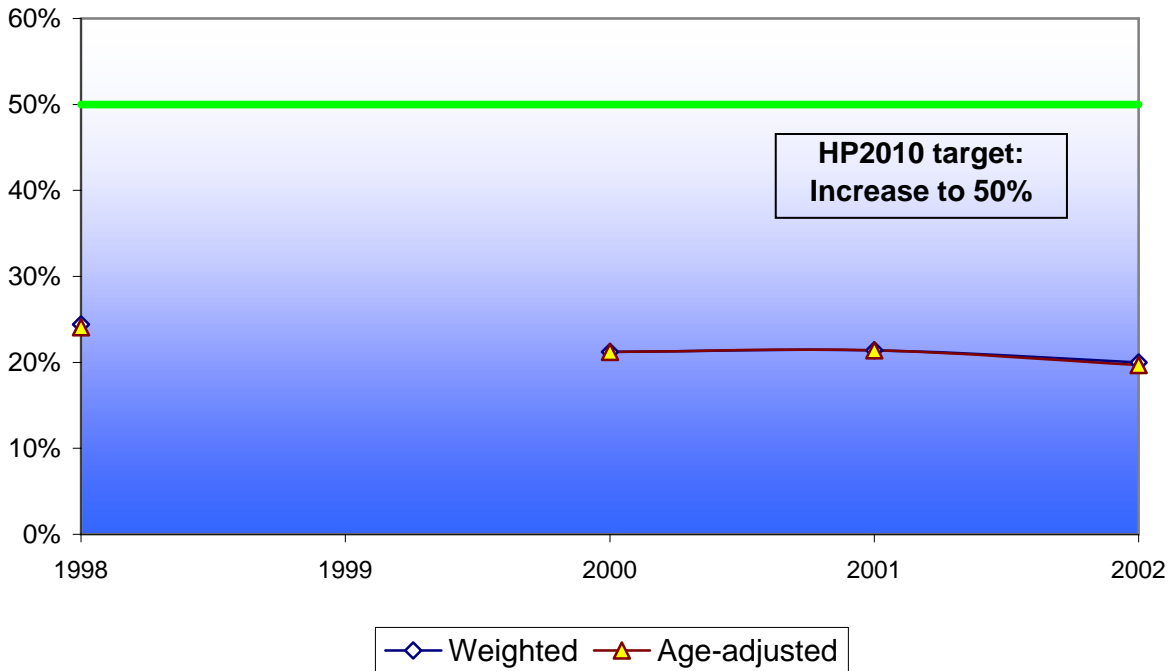
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	46		97	123	130
DAILY VEGETABLE SERVINGS < 3	130		438	364	400
TOTAL	176		535	487	530

PERCENT	1998	1999	2000	2001	2002
Weighted percent	21.1		19.7	22.4	22.3
C.I (95%)	(15.1 - 28.6)		(15.0 - 25.3)	(18.6 - 26.9)	(18.5 - 26.5)
Age-adjusted percent	21.0		19.9	22.3	21.9
C.I (95%)	(15.2 - 28.4)		(15.2 - 25.6)	(18.3 - 26.9)	(18.1 - 26.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 19-6/ Supplement 13**

**Percent of adults aged 18+  
who consume at least three daily servings of vegetables with  
1/3 being dark green or orange vegetables  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
DAILY VEGETABLE SERVINGS $\geq$ 3	90		231	204	218
DAILY VEGETABLE SERVINGS < 3	276		799	697	862
TOTAL	366		1030	901	1080

PERCENT	1998	1999	2000	2001	2002
Weighted percent	24.4		21.2	21.4	20.0
C.I (95%)	(19.1 - 30.7)		(18.2 - 24.6)	(18.5 - 24.7)	(17.4 - 23.0)
Age-adjusted percent	24.1		21.2	21.4	19.7
C.I (95%)	(18.8 - 30.4)		(18.0 - 24.8)	(18.4 - 24.8)	(17.1 - 22.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## ORAL HEALTH

### **Objective 21-3**

*Increase the proportion of adults (aged 35 to 44) who have never had a permanent tooth extracted because of dental caries or periodontal disease to **42%**.*

### **Objective 21-4**

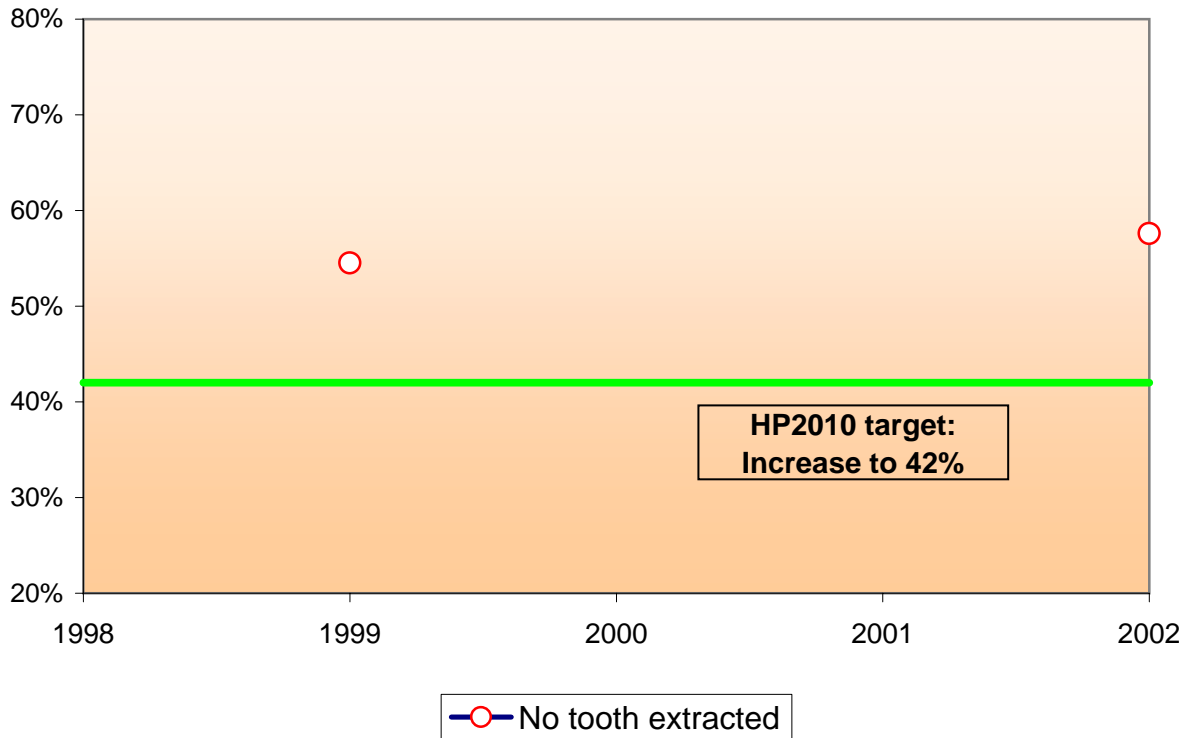
*Reduce the proportion of older adults (aged 65 to 74) who have had all their natural teeth extracted to **20%***

### **Objective 21-10**

*Increase the proportion of children and adults who use the oral health care system each year to **56%***

## **OBJECTIVE 21-3**

**Percent of adults aged 35 to 44  
who had no permanent tooth extracted  
Hawaii, 1998-2002**



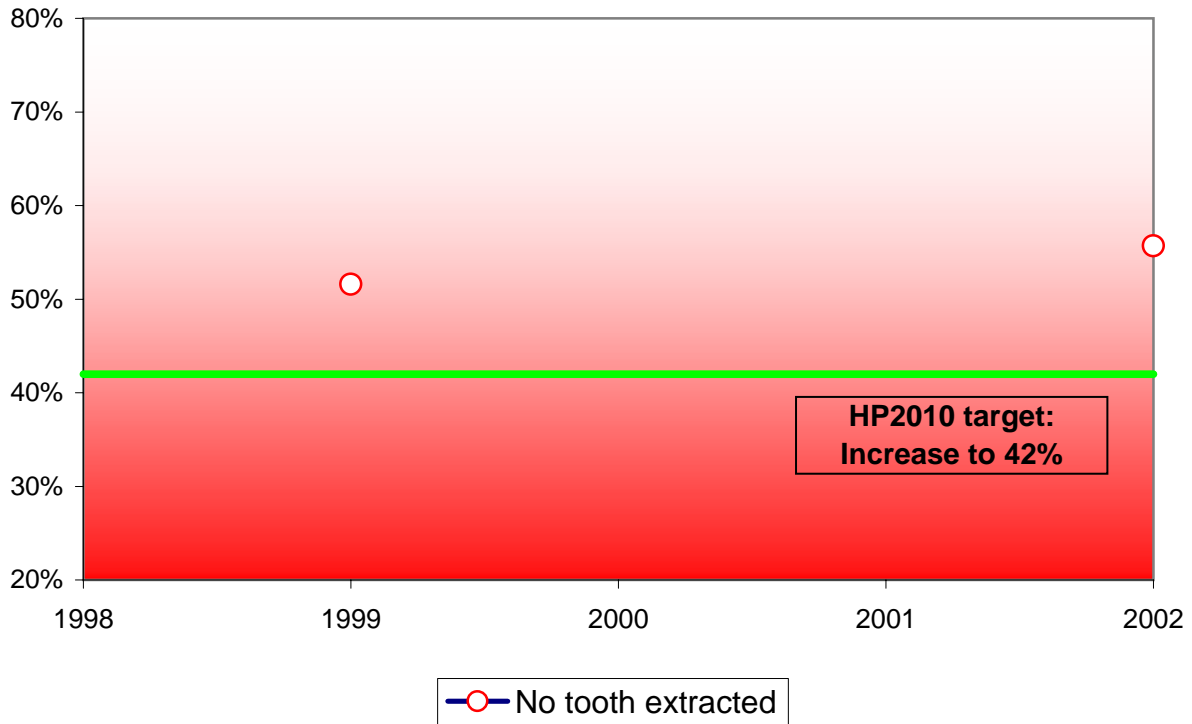
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		272			674
HAD TOOTH-EXTRACTED		234			479
TOTAL		506			1153

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		54.5			57.6
C.I (95%)		(49.0 - 59.8)			(54.0 - 61.1)
HAD TOOTH-EXTRACTED		45.5			42.4
C.I (95%)		(40.2 - 51.0)			(38.9 - 46.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-3/ SUPPLEMENT 1

**Percent of men aged 35 to 44  
who had no permanent tooth extracted  
Hawaii, 1998-2002**



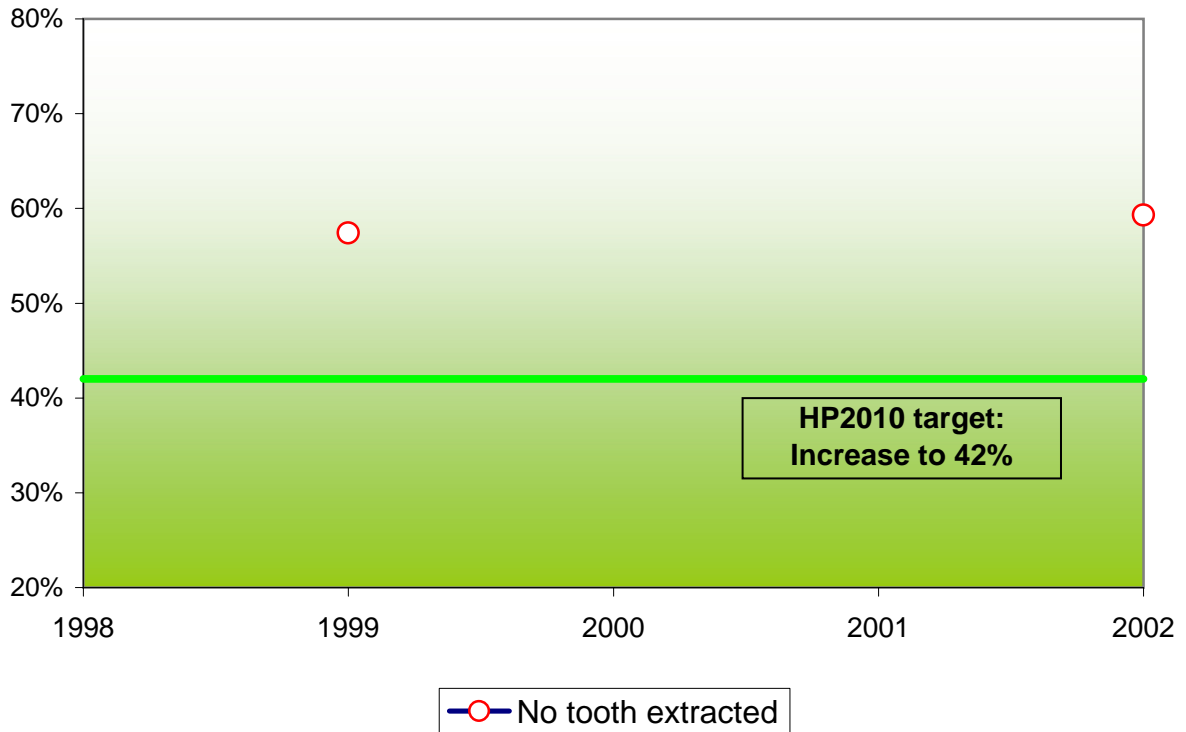
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		126			287
HAD TOOTH-EXTRACTED		125			211
TOTAL		251			498

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		51.6			55.7
C.I (95%)		(44.0 - 59.4)			(50.2 - 61.1)
HAD TOOTH-EXTRACTED		48.4			44.3
C.I (95%)		(40.6 - 56.0)			(38.9 - 49.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-3/ SUPPLEMENT 2

**Percent of women aged 35 to 44  
who had no permanent tooth extracted  
Hawaii, 1998-2002**



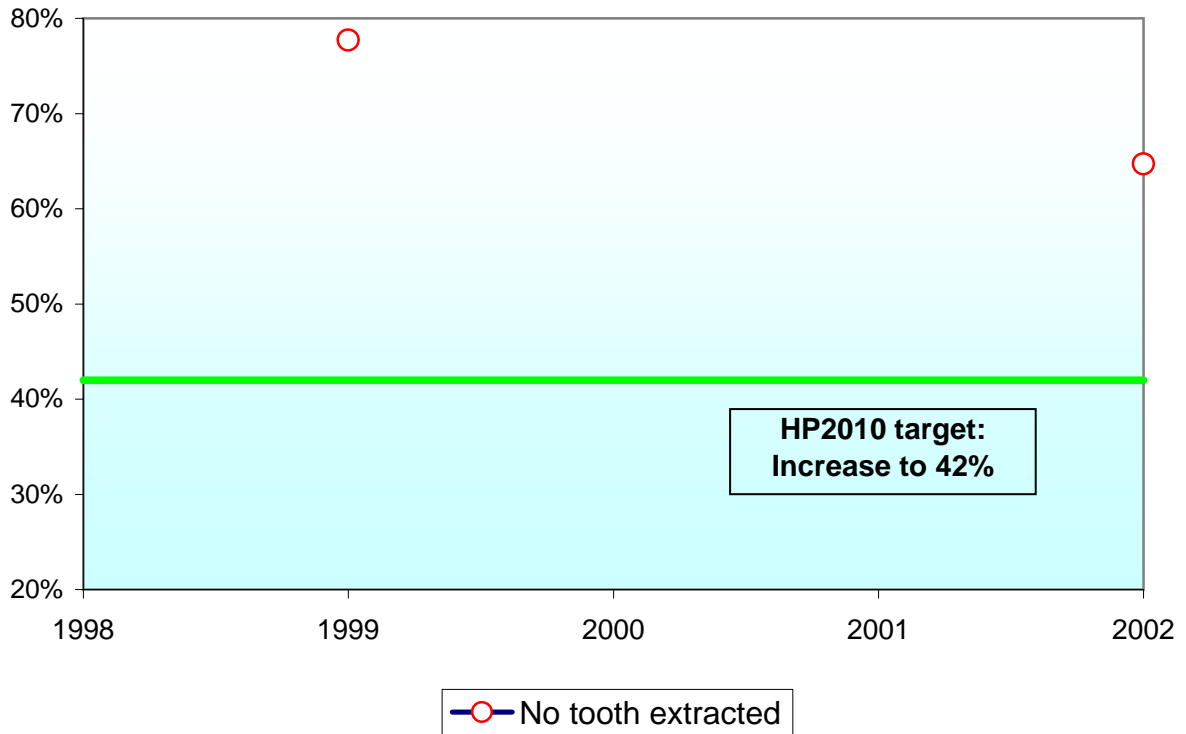
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		146			387
HAD TOOTH-EXTRACTED		109			268
TOTAL		255			655

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		57.4			59.3
C.I (95%)		(49.7 - 64.8)			(54.7 - 63.8)
HAD TOOTH-EXTRACTED		42.6			40.7
C.I (95%)		(33.2 - 50.3)			(36.2 - 45.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 21-3/ SUPPLEMENT 3**

**Percent of White adults aged 35 to 44  
who had no permanent tooth extracted  
Hawaii, 1998-2002**



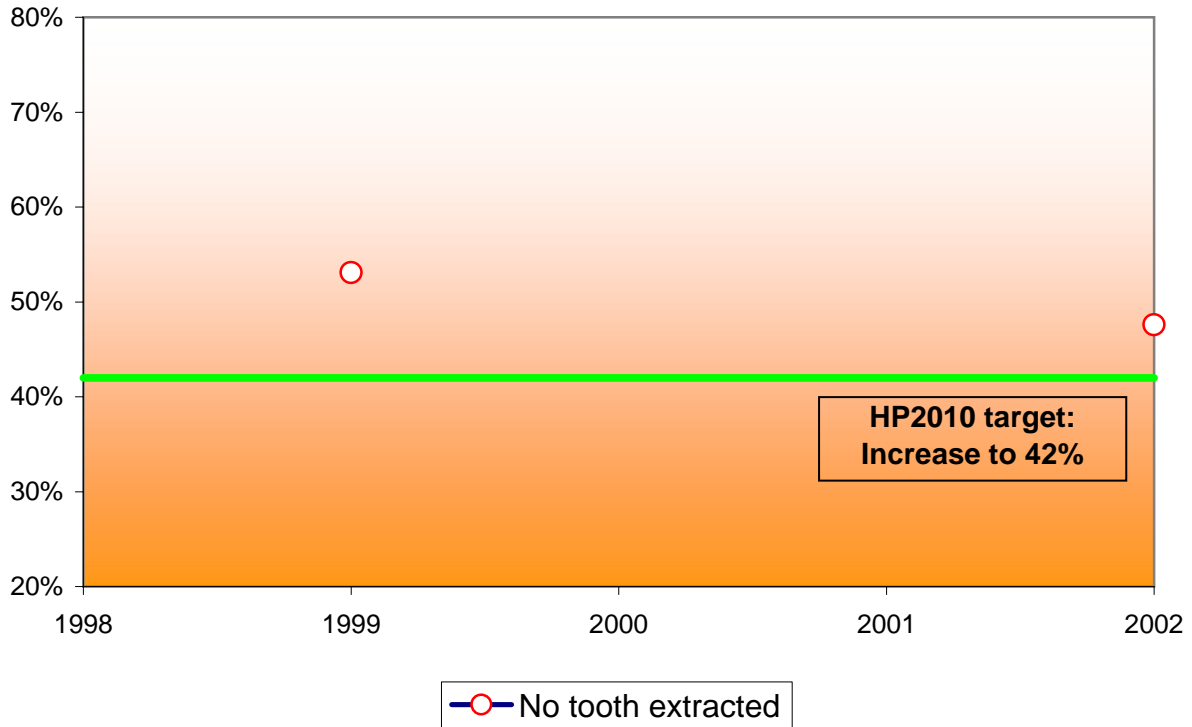
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		85			317
HAD TOOTH-EXTRACTED		27			176
TOTAL		112			493

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		77.7			64.7
C.I (95%)		(67.3 - 85.5)			(59.4 - 69.7)
HAD TOOTH-EXTRACTED		22.3			35.3
C.I (95%)		(14.5 - 32.7)			(30.3 - 40.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 21-3/ SUPPLEMENT 4**

**Percent of Hawaiians aged 35 to 44  
who had no permanent tooth extracted  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		34			68
HAD TOOTH-EXTRACTED		24			82
TOTAL		58			150

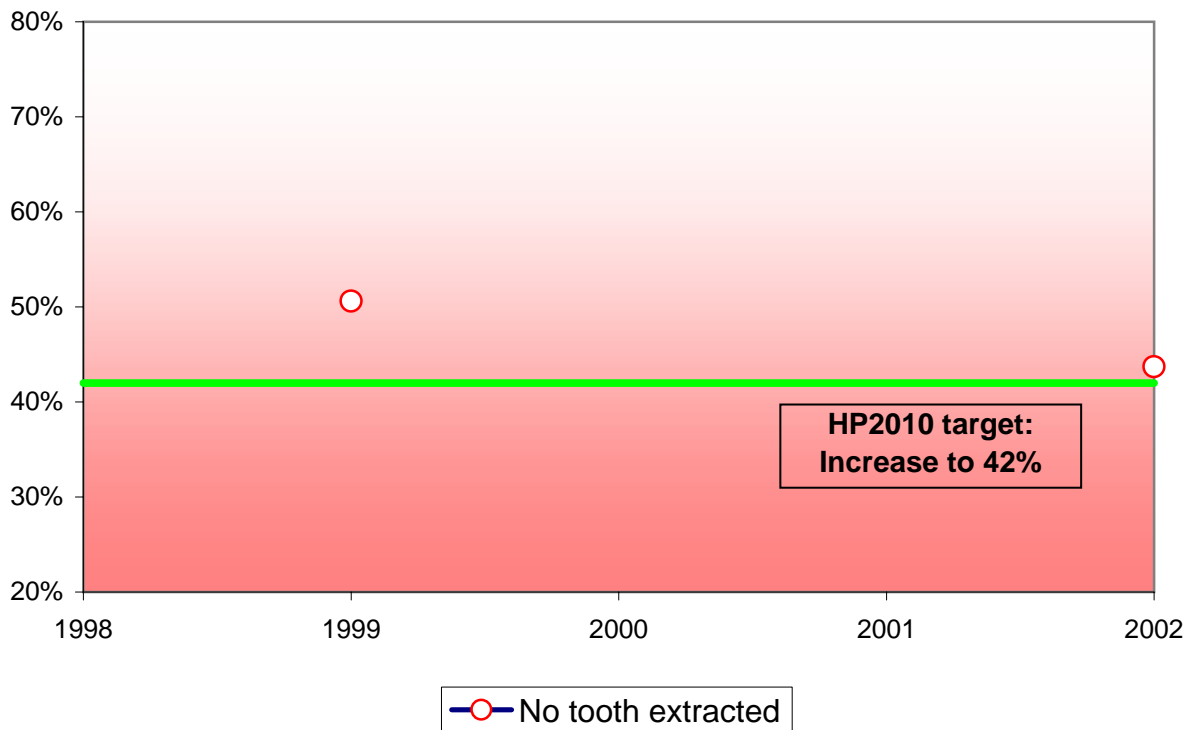
PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		53.1			47.6
C.I (95%)		(37.4 - 68.2)			(37.6 - 63.8)
HAD TOOTH-EXTRACTED		46.9			52.4
C.I (95%)		(31.8 - 62.6)			(36.2 - 62.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 21-3/ SUPPLEMENT 5**

**Percent of Filipinos aged 35 to 44  
who had no permanent tooth extracted  
Hawaii, 1998-2002**



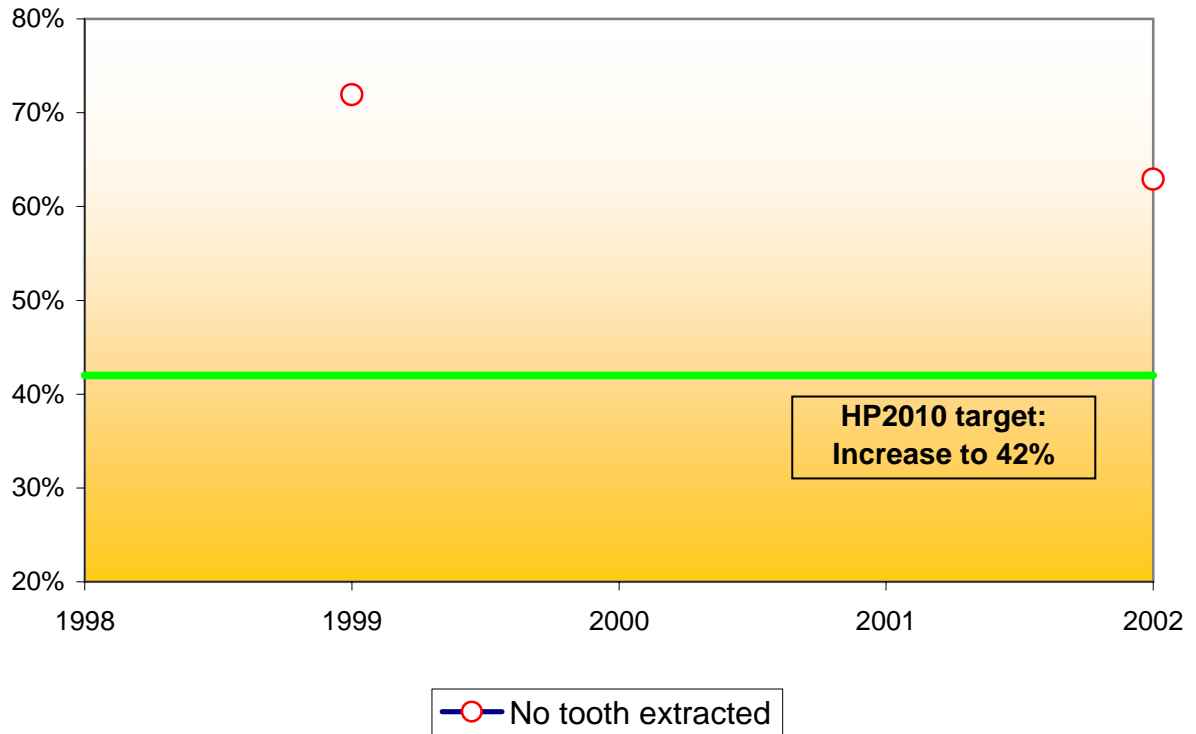
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		26			77
HAD TOOTH-EXTRACTED		32			97
TOTAL		58			174

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		50.6			43.7
C.I (95%)		(33.4 - 67.7)			(34.8 - 52.9)
HAD TOOTH-EXTRACTED		49.4			56.3
C.I (95%)		(32.3 - 66.6)			(47.1 - 65.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 21-3/ SUPPLEMENT 6**

**Percent of Japanese aged 35 to 44  
who had no permanent tooth extracte  
Hawaii, 1998-2002**



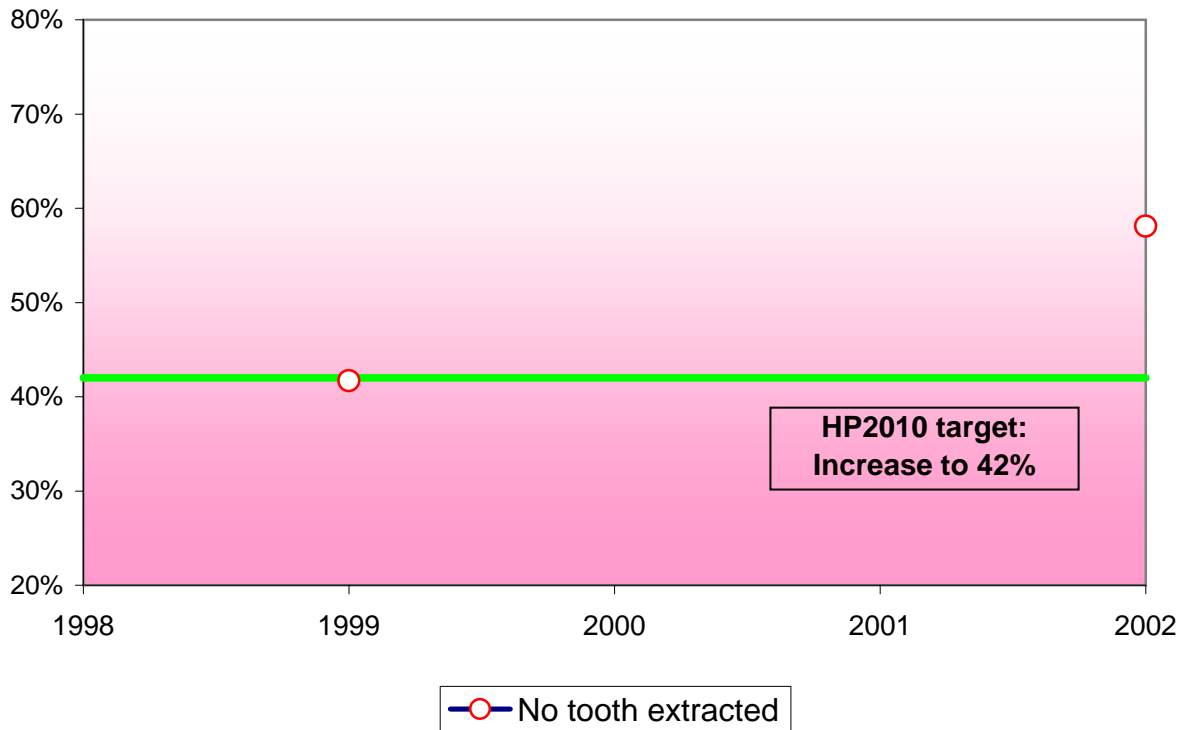
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		41			114
HAD TOOTH-EXTRACTED		18			66
TOTAL		59			180

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		71.9			62.9
C.I (95%)		(57.2 - 83.0)			(54.2 - 70.8)
HAD TOOTH-EXTRACTED		28.1			37.1
C.I (95%)		(17.0 - 42.8)			(29.2 - 45.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 21-3/ SUPPLEMENT 7**

**Percent of adults of other races aged 35 to 44  
who had no permanent tooth extracted  
Hawaii, 1998-2002**



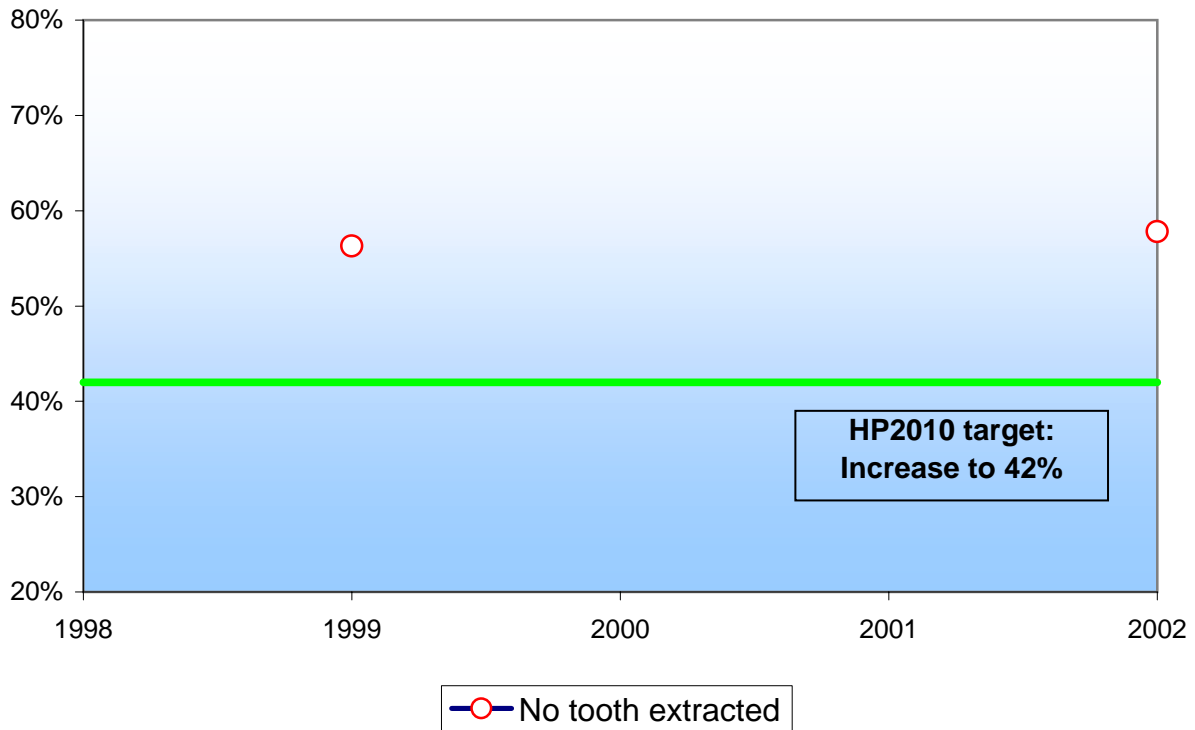
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		86			98
HAD TOOTH-EXTRACTED		133			58
TOTAL		219			156

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		41.7			58.1
C.I (95%)		(33.9 - 49.9)			(47.9 - 67.7)
HAD TOOTH-EXTRACTED		58.3			41.9
C.I (95%)		(50.1 - 66.1)			(32.3 - 52.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 21-3/ SUPPLEMENT 8**

**Percent of adults aged 35 to 44  
who had no permanent tooth extracted  
Honolulu county, Hawaii, 1998-2002**



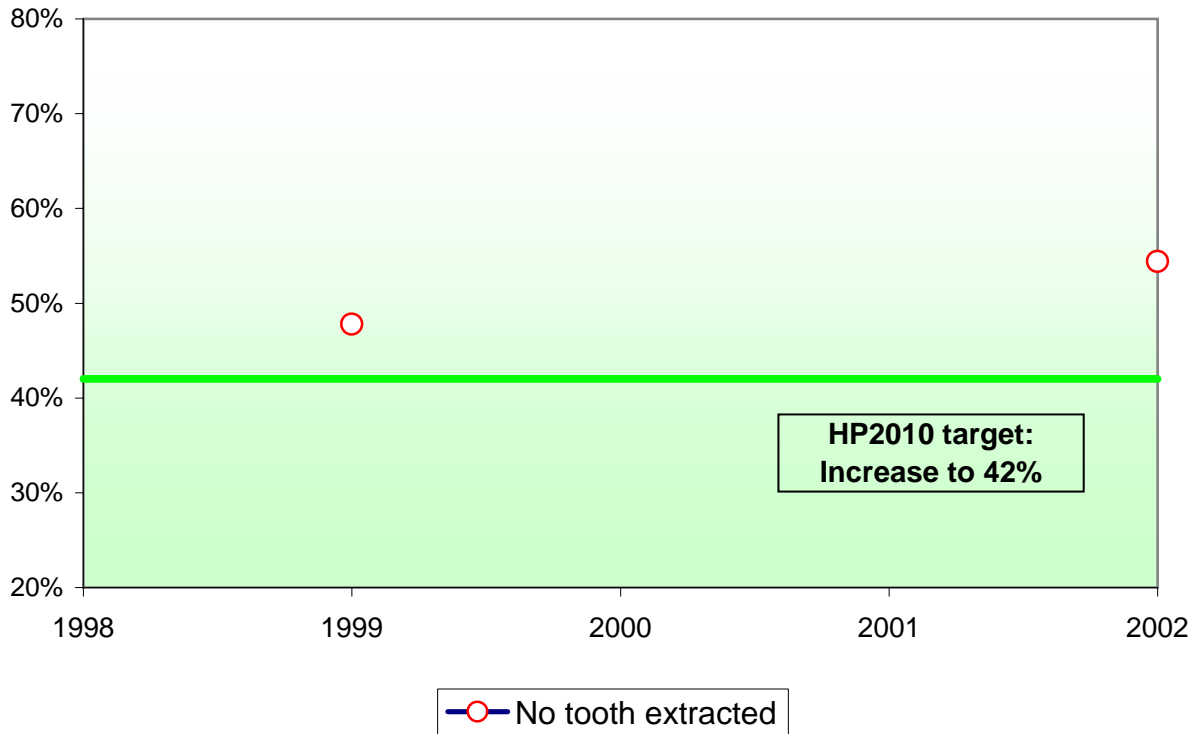
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		138			330
HAD TOOTH-EXTRACTED		99			232
TOTAL		237			562

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		56.3			57.8
C.I (95%)		(49.1 - 63.2)			(53.0 - 62.3)
HAD TOOTH-EXTRACTED		43.7			42.2
C.I (95%)		(37.8 - 50.9)			(37.7 - 47.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 21-3/ SUPPLEMENT 9**

**Percent of adults aged 35 to 44  
who had no permanent tooth extracted  
Hawaii county, Hawaii, 1998-2002**



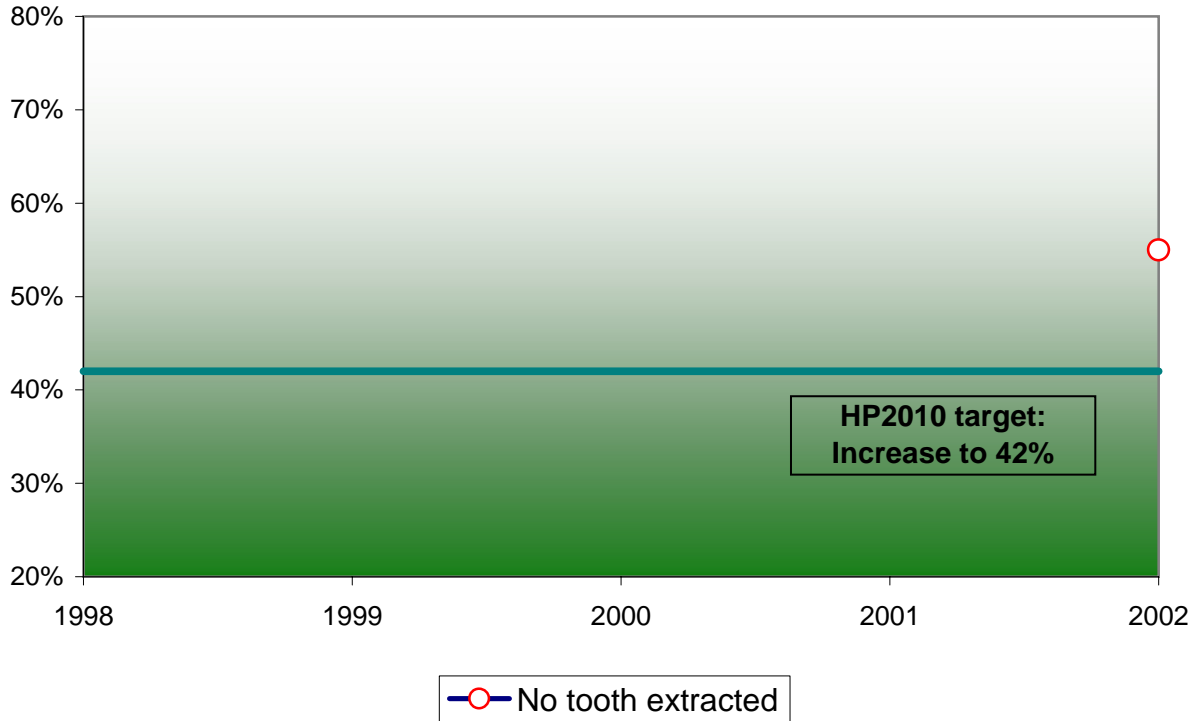
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		56			130
HAD TOOTH-EXTRACTED		66			100
TOTAL		122			230

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		47.8			54.4
C.I (95%)		(37.9 - 57.8)			(47.0 - 61.6)
HAD TOOTH-EXTRACTED		52.2			45.6
C.I (95%)		(42.2 - 62.1)			(38.4 - 53.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-3/ SUPPLEMENT 10

**Percent of adults aged 35 to 44  
who had no permanent tooth extracted  
Kauai county, Hawaii, 1998-2002**



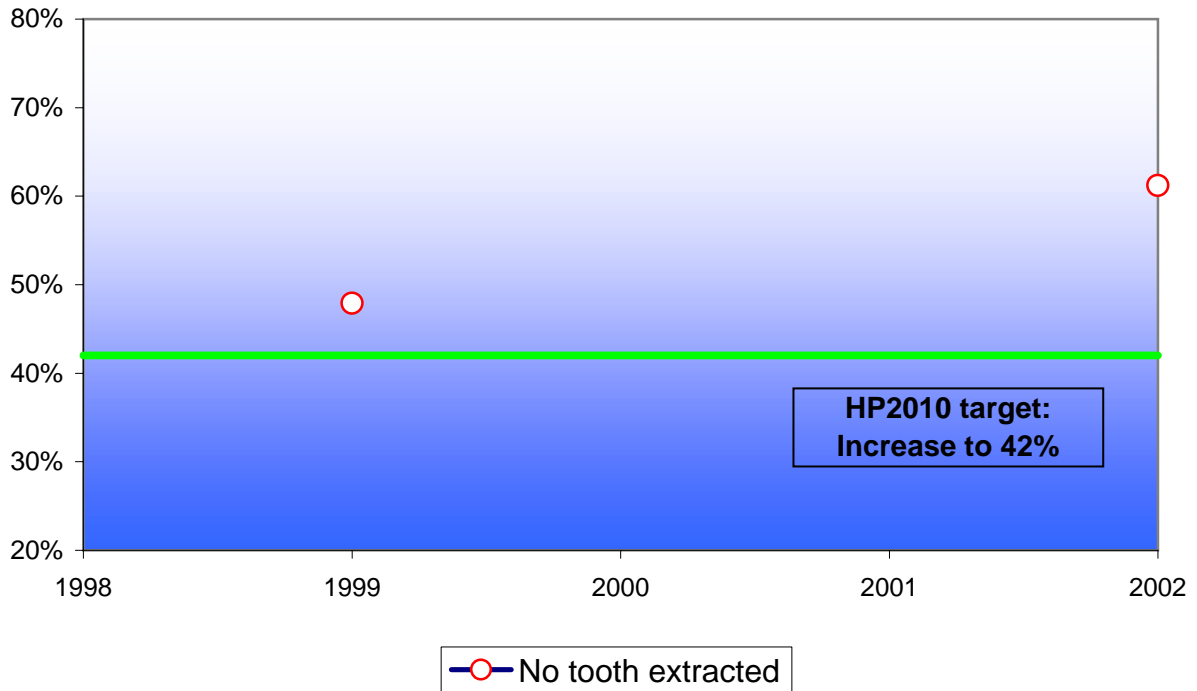
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED					66
HAD TOOTH-EXTRACTED					48
TOTAL					114

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED					55.0
C.I (95%)					(44.7 - 64.9)
HAD TOOTH-EXTRACTED					45.0
C.I (95%)					(35.1 - 55.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-3/ SUPPLEMENT 11

**Percent of adults aged 35 to 44  
who had no permanent tooth extracted  
Maui county, Hawaii, 1998-2002**



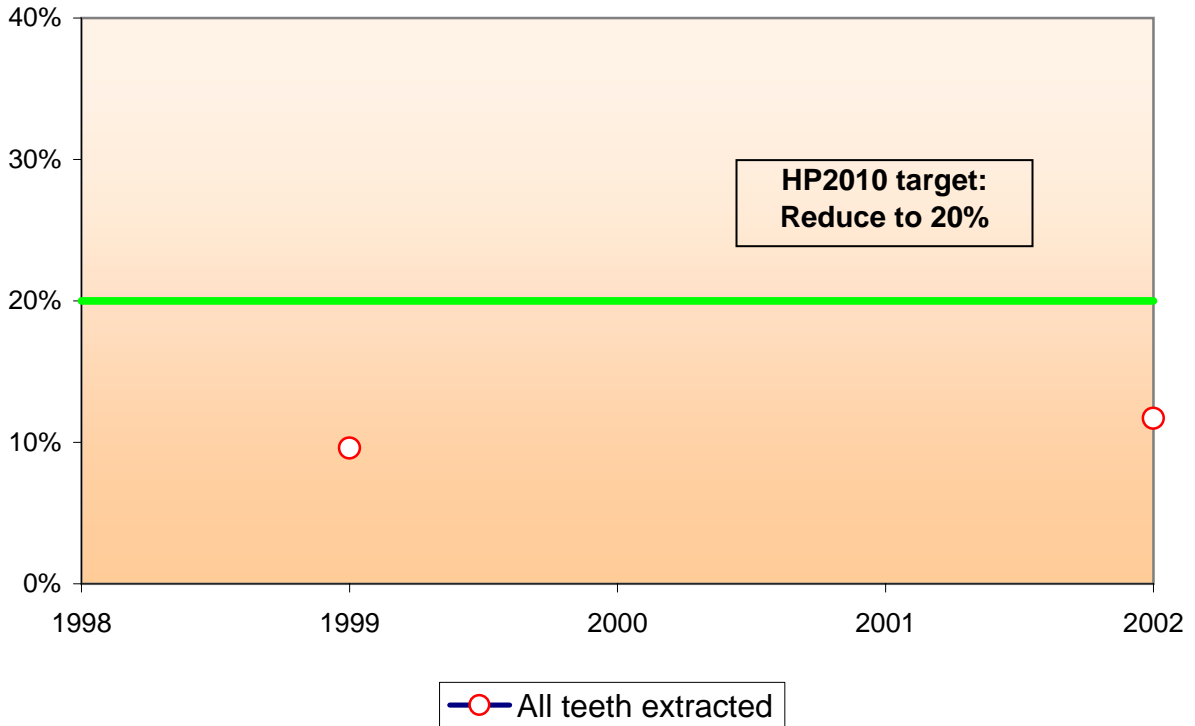
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		54			148
HAD TOOTH-EXTRACTED		52			99
TOTAL		106			247

PERCENT	1998	1999	2000	2001	2002
NO TOOTH EXTRACTED		47.9			61.2
C.I (95%)		(36.9 - 59.0)			(54.0 - 67.9)
HAD TOOTH-EXTRACTED		52.1			38.8
C.I (95%)		(41.0 - 63.1)			(32.1 - 46.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-4

**Percent of adults aged 65 to 74  
who had all natural teeth extracted  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		26			63
STILL HAVE NATURAL TEETH		203			538
TOTAL		229			601

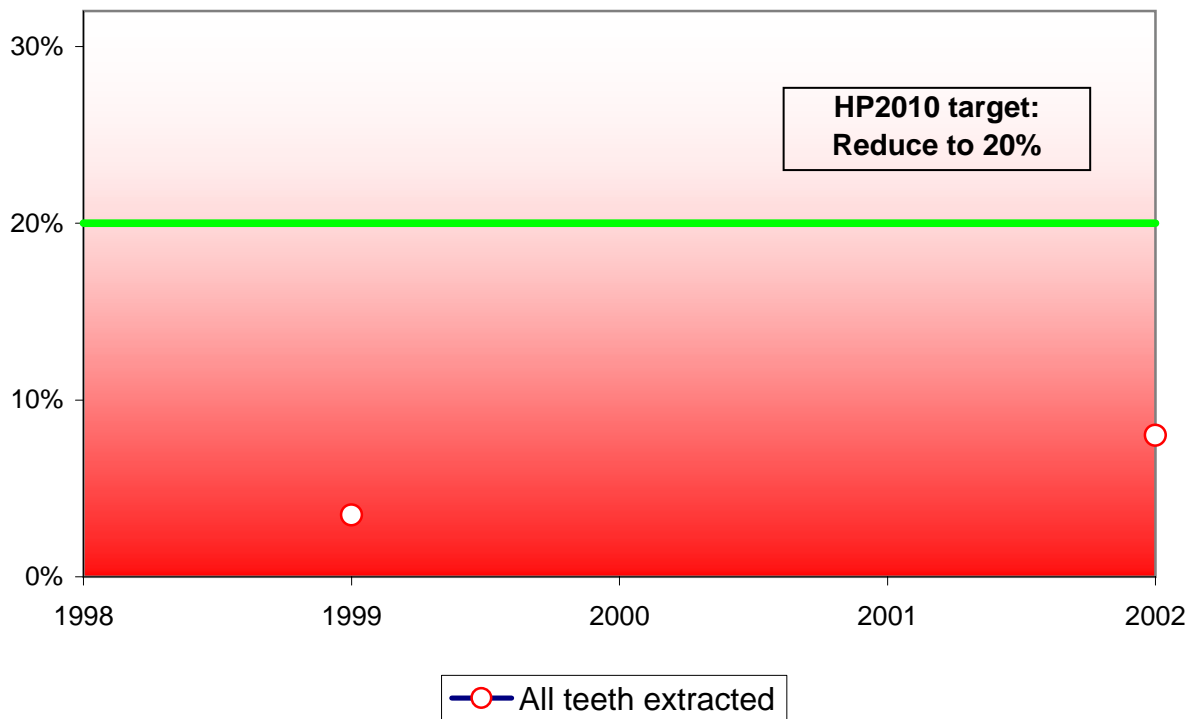
PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		9.6			11.7
C.I (95%)		(5.9 - 15.3)			(8.2 - 16.3)
STILL HAVE NATURAL TEETH		90.4			88.3
C.I (95%)		(84.7 - 94.1)			(83.7 - 91.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 21-4/ SUPPLEMENT 1

**Percent of men aged 65 to 74  
who had all natural teeth extracted  
Hawaii, 1998-2002**



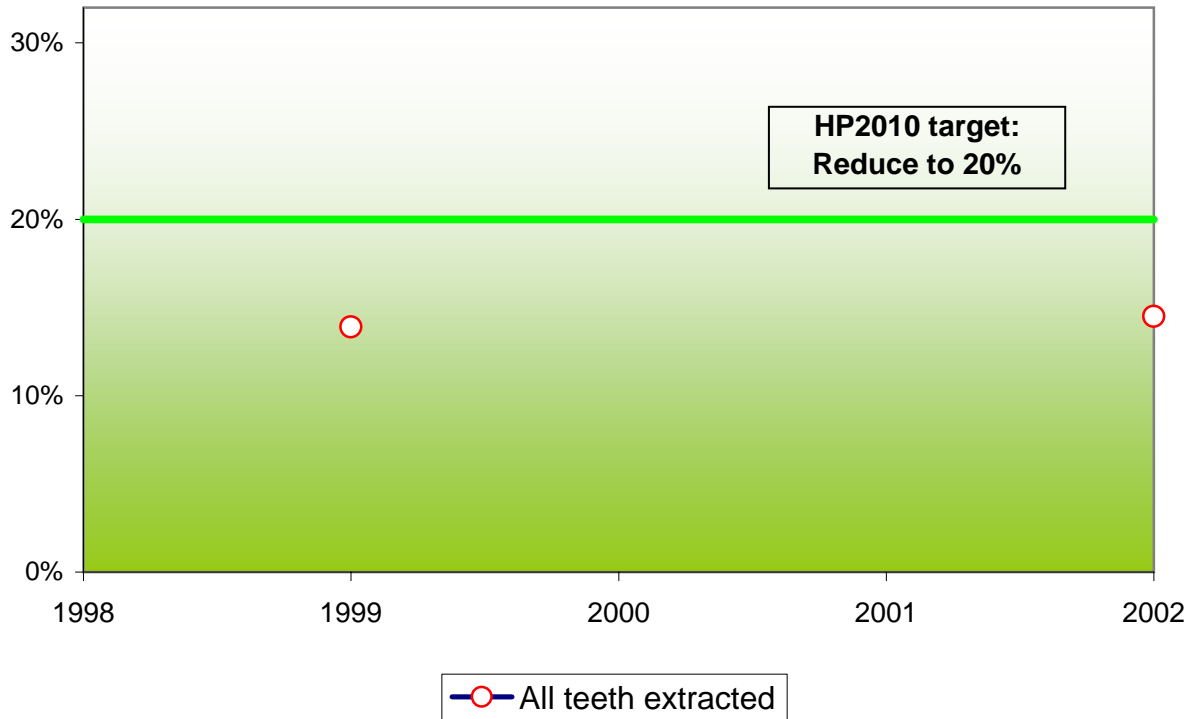
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		5			22
STILL HAVE NATURAL TEETH		80			225
TOTAL		85			247

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		3.5			8.0
C.I (95%)		(1.3 - 9.0)			(4.9 - 12.7)
STILL HAVE NATURAL TEETH		96.5			92.0
C.I (95%)		(91.0 - 98.7)			(87.3 - 95.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-4/ SUPPLEMENT 2

**Percent of women aged 65 to 74  
who had all natural teeth extracted  
Hawaii, 1998-2002**



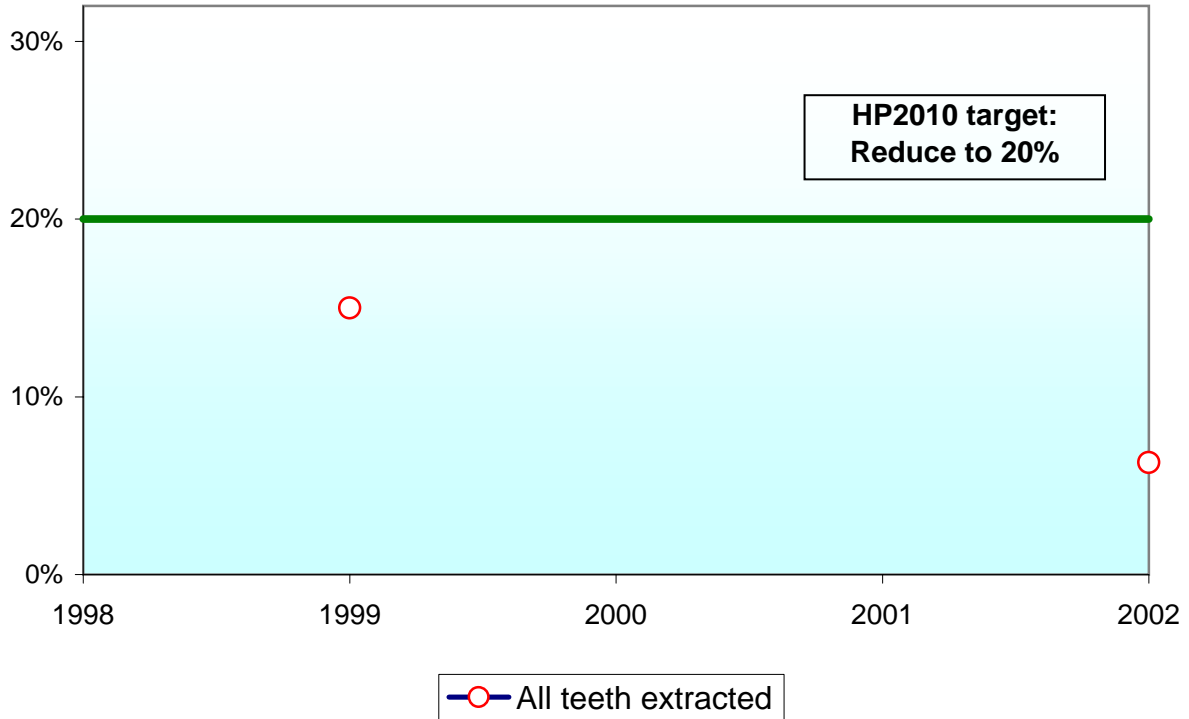
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		21			41
STILL HAVE NATURAL TEETH		123			313
TOTAL		144			354

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		13.9			14.5
C.I (95%)		(8.0 - 23.0)			(9.2 - 22.0)
STILL HAVE NATURAL TEETH		86.1			85.5
C.I (95%)		(77.0 - 92.0)			(78.0 - 91.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-4/ SUPPLEMENT 3

**Percent of White adults aged 65 to 74  
who had all natural teeth extracted  
Hawaii, 1998-2002**



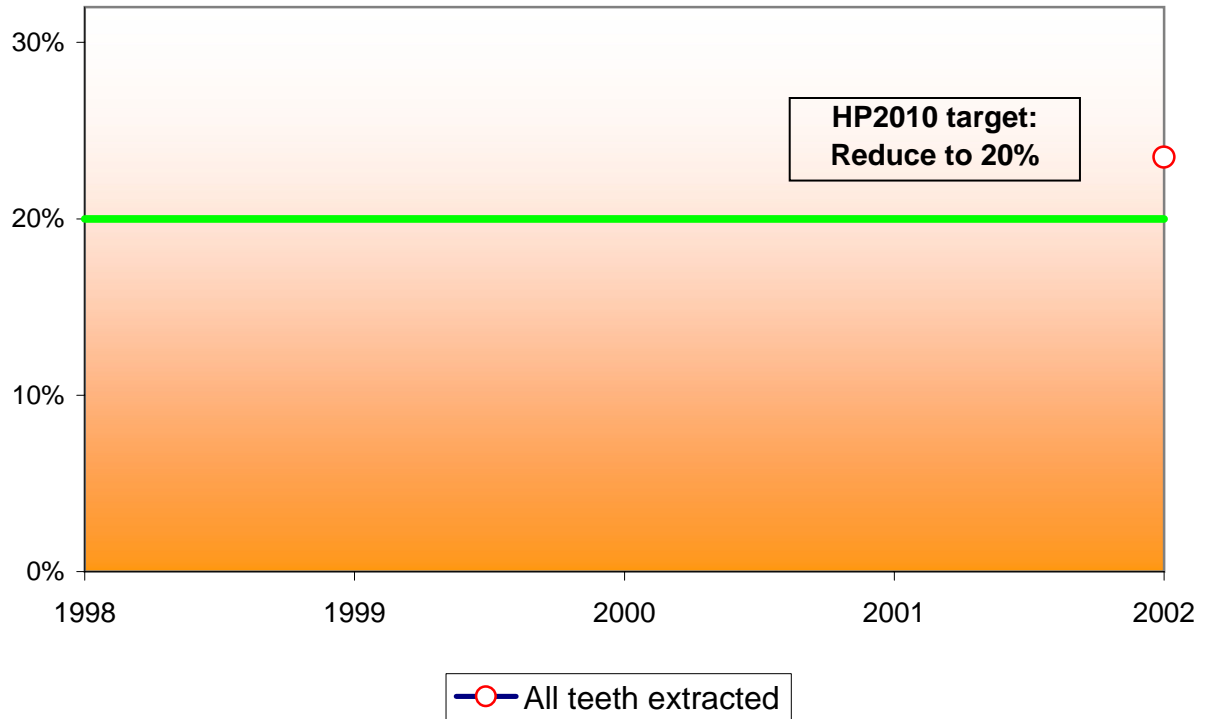
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		8			18
STILL HAVE NATURAL TEETH		46			232
TOTAL		54			250

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		15.0			6.3
C.I (95%)		(5.3 - 35.7)			(3.7 - 10.5)
STILL HAVE NATURAL TEETH		85.0			93.7
C.I (95%)		(64.3 - 94.7)			(89.5 - 96.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-4/ SUPPLEMENT 4

**Percent of Hawaiians aged 65 to 74  
who had all natural teeth extracted  
Hawaii, 1998-2002**



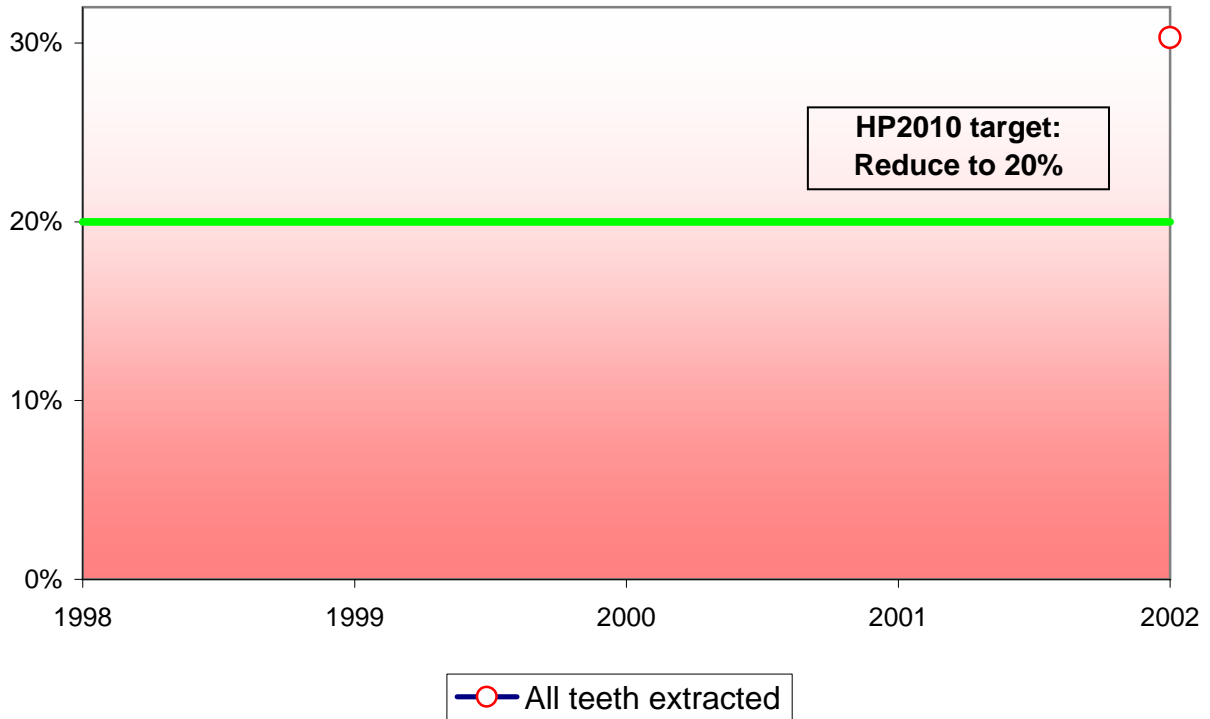
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED					14
STILL HAVE NATURAL TEETH					46
TOTAL					60

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED					23.5
C.I (95%)					(11.7 - 41.5)
STILL HAVE NATURAL TEETH					76.5
C.I (95%)					(58.5 - 88.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 21-4/ SUPPLEMENT 5**

**Percent of Filipinos aged 65 to 74  
who had all natural teeth extracted  
Hawaii, 1998-2002**



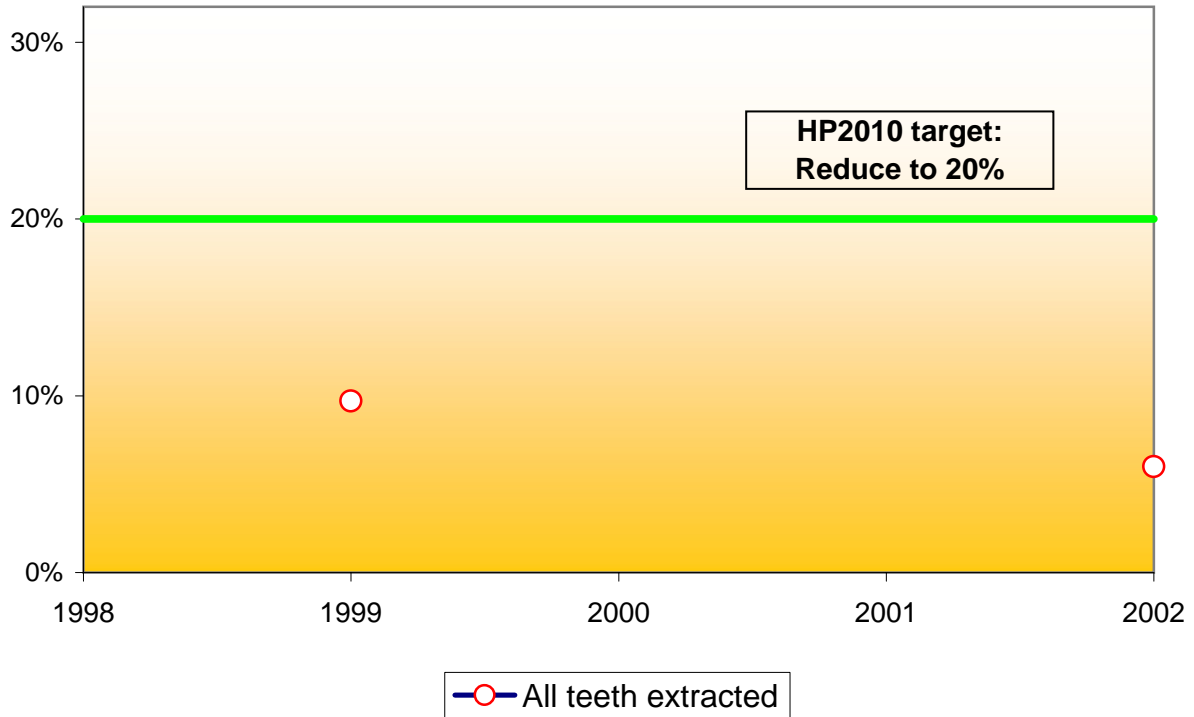
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED					13
STILL HAVE NATURAL TEETH					48
TOTAL					61

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED					30.3
C.I (95%)					(15.2 - 51.3)
STILL HAVE NATURAL TEETH					69.7
C.I (95%)					(48.7 - 84.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-4/ SUPPLEMENT 6

**Percent of Japanese aged 65 to 74  
who had all natural teeth extracted  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		8			12
STILL HAVE NATURAL TEETH		53			156
TOTAL		61			168

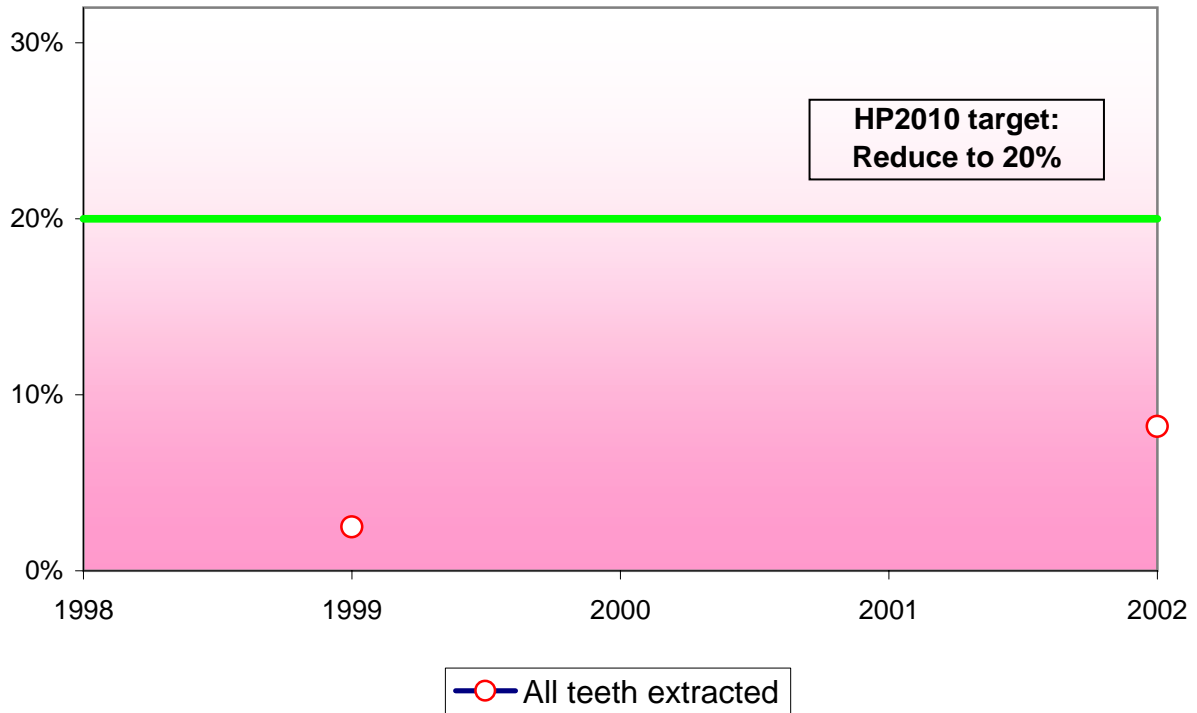
  

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		9.7			6.0
C.I (95%)		(4.1 - 21.4)			(3.2 - 12.2)
STILL HAVE NATURAL TEETH		90.3			94.0
C.I (95%)		(78.6 - 95.9)			(87.8 - 96.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-4/ SUPPLEMENT 7

**Percent of adults of other races aged 65 to 74  
who had all natural teeth extracted  
Hawaii, 1998-2002**



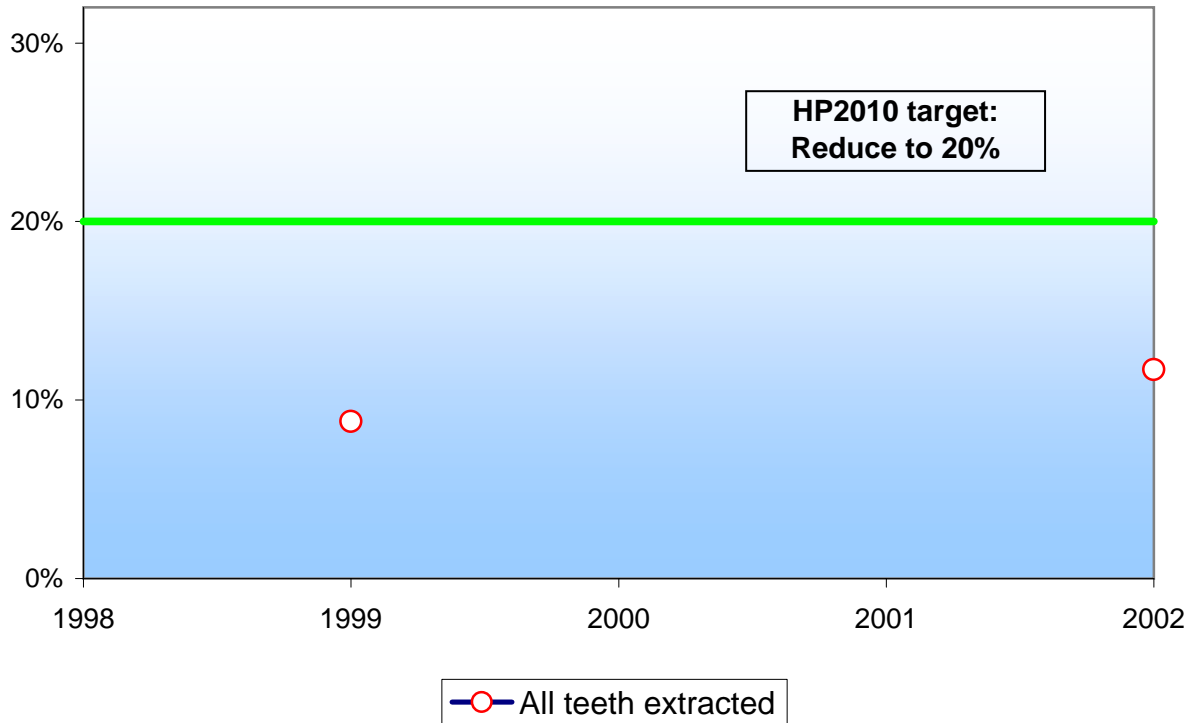
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		3			6
STILL HAVE NATURAL TEETH		91			56
TOTAL		94			62

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		2.5			8.2
C.I (95%)		(0.7 - 8.0)			(3.1 - 20.2)
STILL HAVE NATURAL TEETH		97.5			91.8
C.I (95%)		(92.0 - 99.3)			(79.8 - 96.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-4/ SUPPLEMENT 8

**Percent of adults aged 65 to 74  
who had all natural teeth extracted  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		9			23
STILL HAVE NATURAL TEETH		79			240
TOTAL		88			263

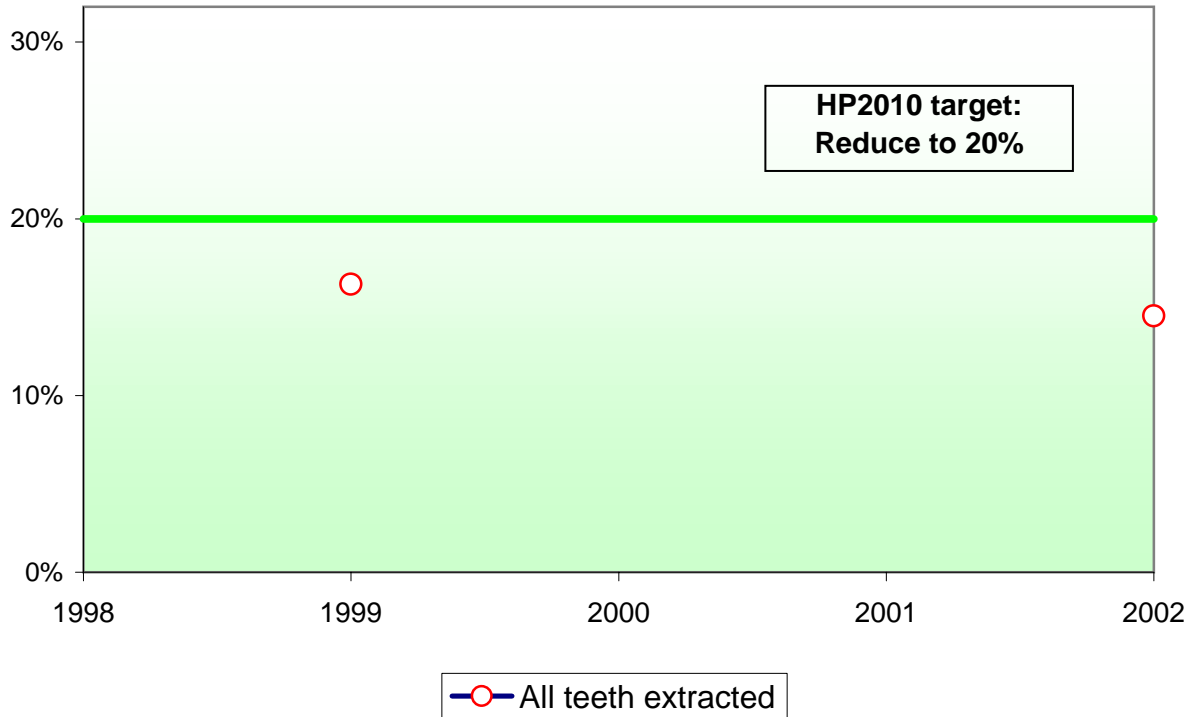
PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		8.8			11.7
C.I (95%)		(4.4 - 17.1)			(7.3 - 18.4)
STILL HAVE NATURAL TEETH		91.2			88.3
C.I (95%)		(82.9 - 95.6)			(71.6 - 92.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 21-4/ SUPPLEMENT 9

**Percent of adults aged 65 to 74  
who had all natural teeth extracted  
Hawaii county, Hawaii, 1998-2002**



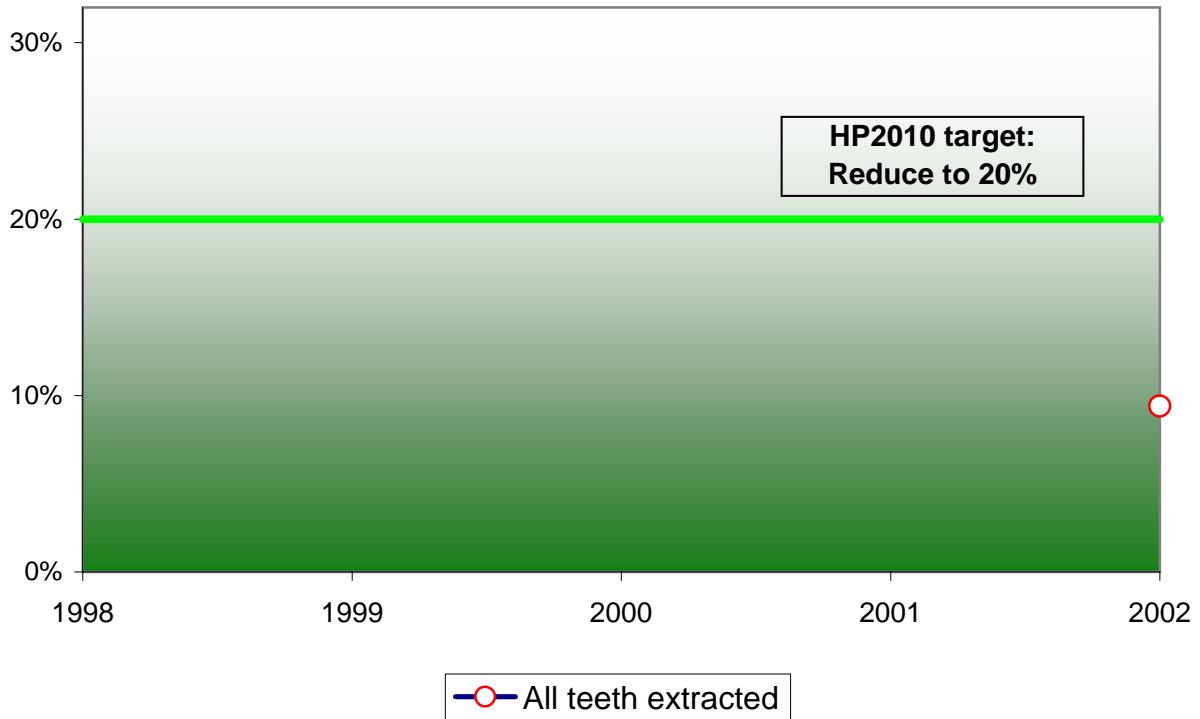
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		11			25
STILL HAVE NATURAL TEETH		60			143
TOTAL		71			168

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED		16.3			14.5
C.I (95%)		(8.7 - 28.7)			(9.6 - 21.2)
STILL HAVE NATURAL TEETH		83.7			85.5
C.I (95%)		(71.3 - 91.3)			(78.8 - 90.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-4/ SUPPLEMENT 10

**Percent of adults aged 65 to 74  
who had all natural teeth extracted  
Kauai county, Hawaii, 1998-2002**



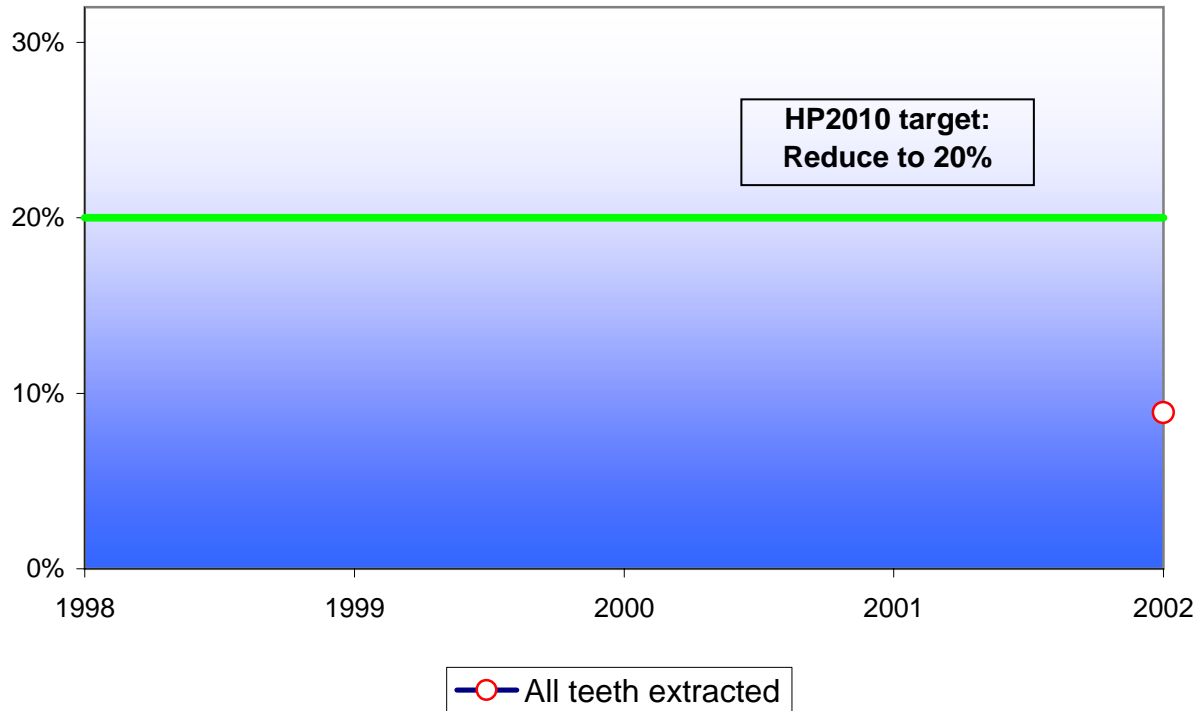
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED					5
STILL HAVE NATURAL TEETH					64
TOTAL					69

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED					9.4
C.I (95%)					(3.4 - 23.5)
STILL HAVE NATURAL TEETH					90.6
C.I (95%)					(76.5 - 96.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-4/ SUPPLEMENT 11

**Percent of adults aged 65 to 74  
who had all natural teeth extracted  
Maui county, Hawaii, 1998-2002**



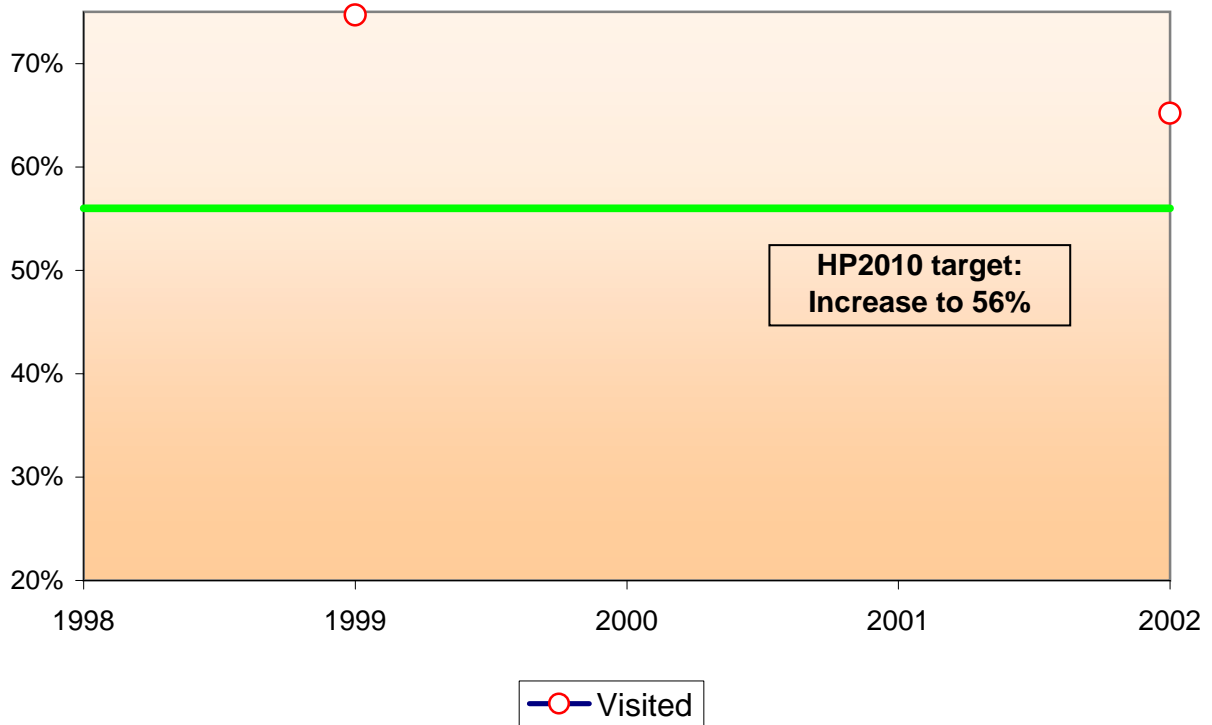
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED					10
STILL HAVE NATURAL TEETH					91
TOTAL					101

PERCENT	1998	1999	2000	2001	2002
ALL TEETH EXTRACTED					8.9
C.I (95%)					(4.0 - 18.7)
STILL HAVE NATURAL TEETH					91.1
C.I (95%)					(81.3 - 96.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10

**Percent of adults aged 18+ who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



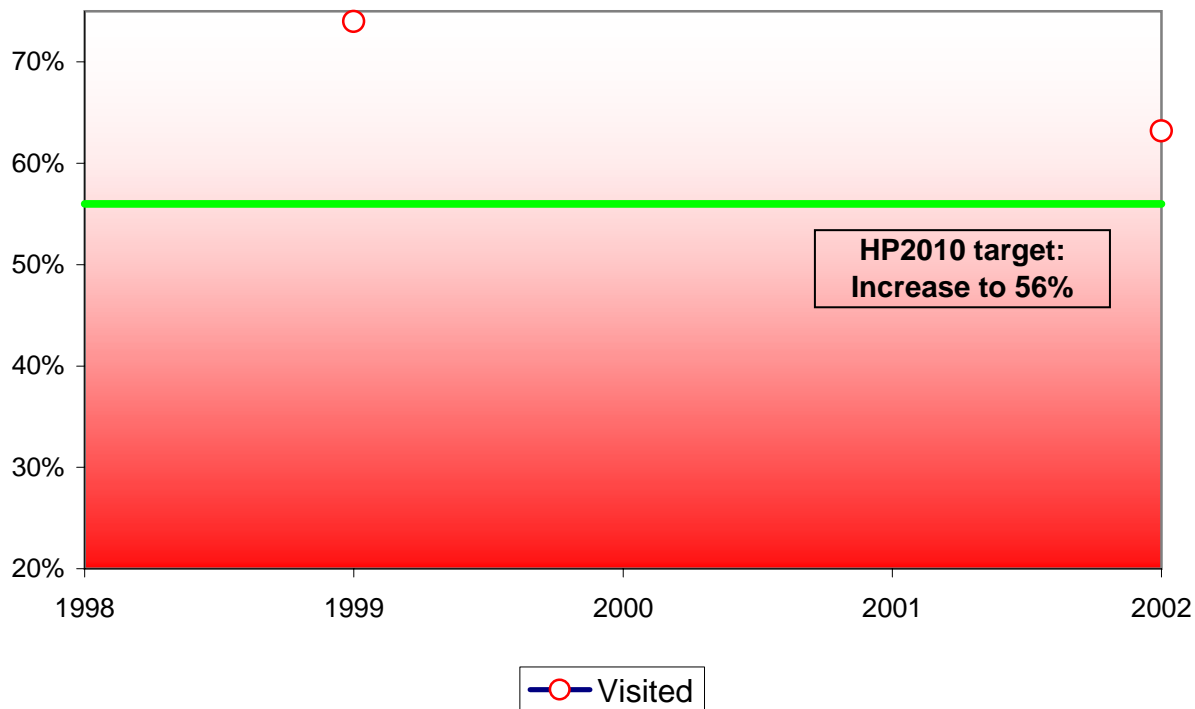
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		1267			3900
DID NOT VISIT		491			2074
TOTAL		1758			5974

PERCENT	1998	1999	2000	2001	2002
VISITED		74.7			65.2
C.I (95%)		(72.0 - 77.2)			(63.5 - 66.8)
DID NOT VISIT		25.3			34.8
C.I (95%)		(22.7 - 28.0)			(33.2 - 36.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10/ SUPPLEMENT 1

**Percent of men aged 18+ who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



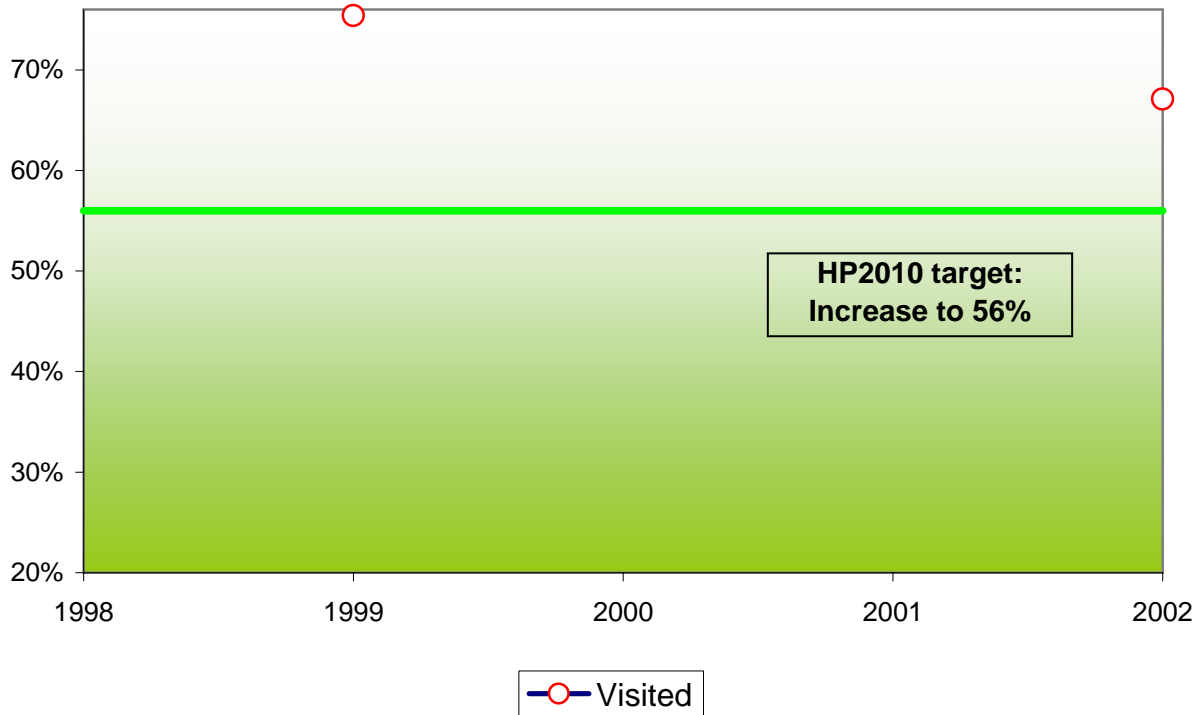
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		567			1613
DID NOT VISIT		224			979
TOTAL		791			2592

PERCENT	1998	1999	2000	2001	2002
VISITED		74.0			63.2
C.I (95%)		(69.8 - 77.8)			(60.7 - 65.6)
DID NOT VISIT		26.0			36.8
C.I (95%)		(22.2 - 30.2)			(34.4 - 39.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10/ SUPPLEMENT 2

**Percent of women aged 18+ who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



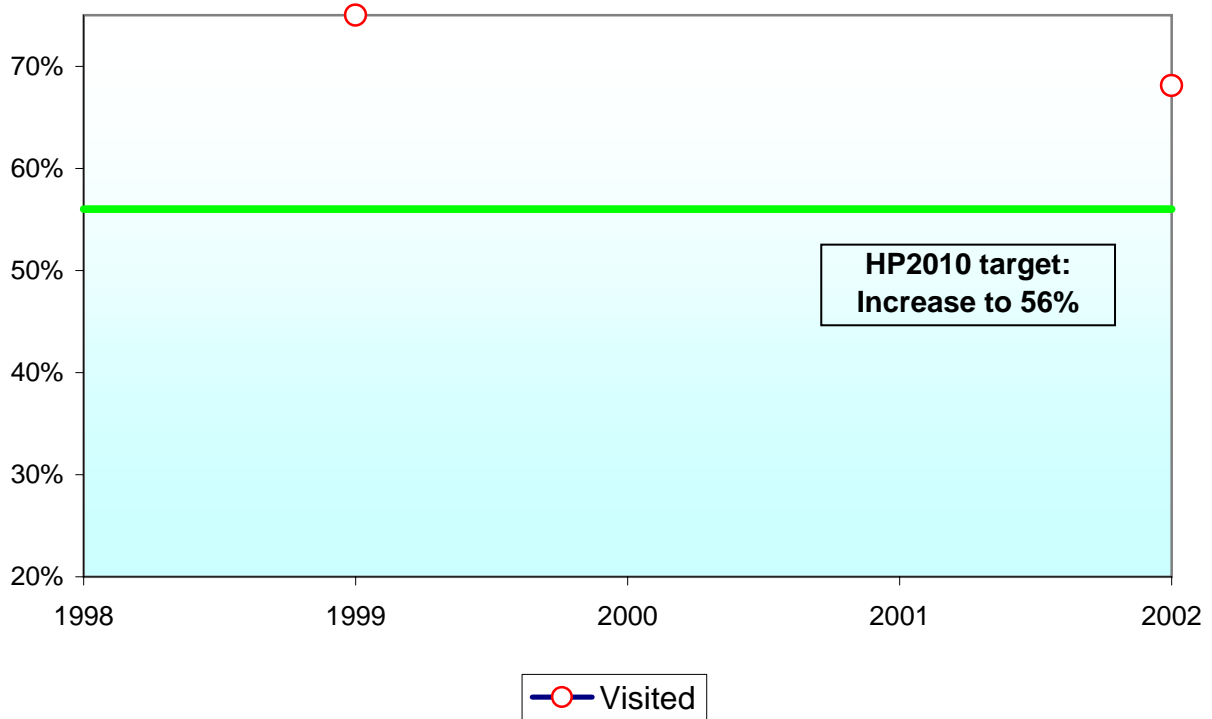
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		700			2287
DID NOT VISIT		267			1095
TOTAL		967			3382

PERCENT	1998	1999	2000	2001	2002
VISITED		75.4			67.1
C.I (95%)		(71.9 - 78.6)			(65.0 - 69.2)
DID NOT VISIT		24.6			32.9
C.I (95%)		(21.4 - 28.1)			(31.8 - 35.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10/ SUPPLEMENT 3

**Percent of White adults aged 18+ who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



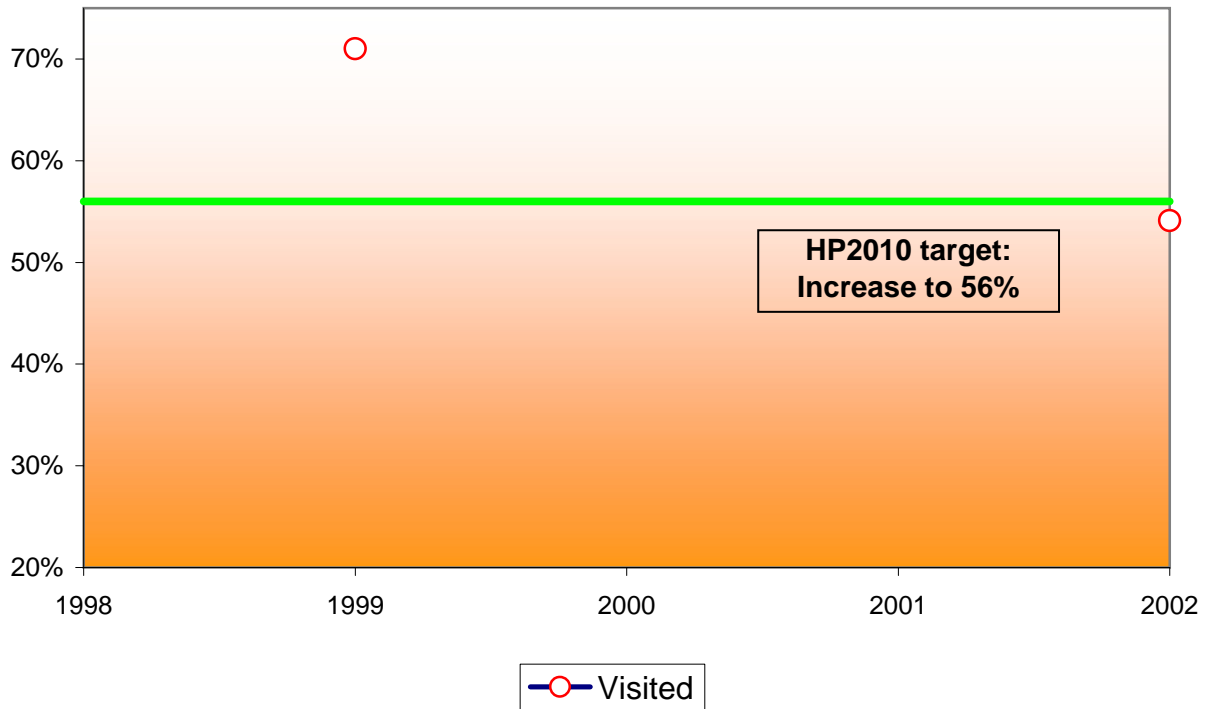
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		362			1707
DID NOT VISIT		132			770
TOTAL		494			2477

PERCENT	1998	1999	2000	2001	2002
VISITED		75.0			68.1
C.I (95%)		(69.6 - 79.7)			(65.5 - 70.5)
DID NOT VISIT		25.0			31.9
C.I (95%)		(20.3 - 30.4)			(29.5 - 34.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10/ SUPPLEMENT 4

**Percent of Hawaiians aged 18+ who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		141			402
DID NOT VISIT		78			363
TOTAL		219			765

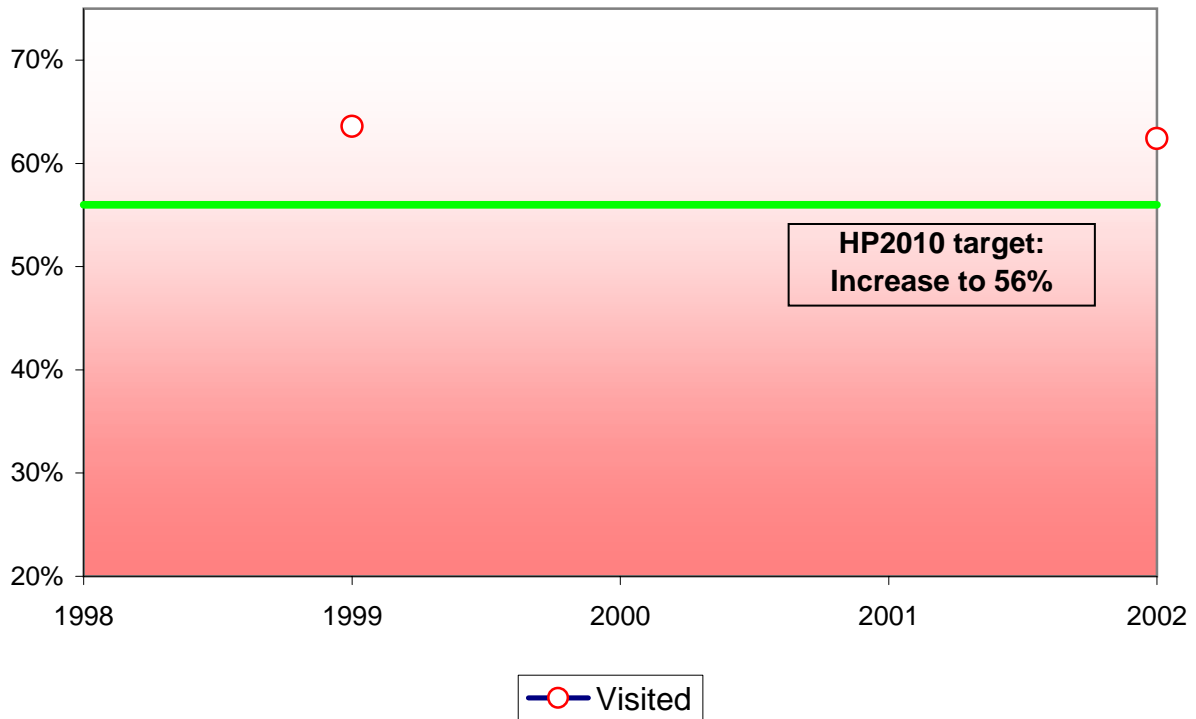
PERCENT	1998	1999	2000	2001	2002
VISITED		71.0			54.1
C.I (95%)		(66.1 - 77.8)			(49.2 - 59.0)
DID NOT VISIT		29.0			45.9
C.I (95%)		(22.2 - 33.9)			(41.0 - 50.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 21-10/ SUPPLEMENT 5

**Percent of Filipinos aged 18+ who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



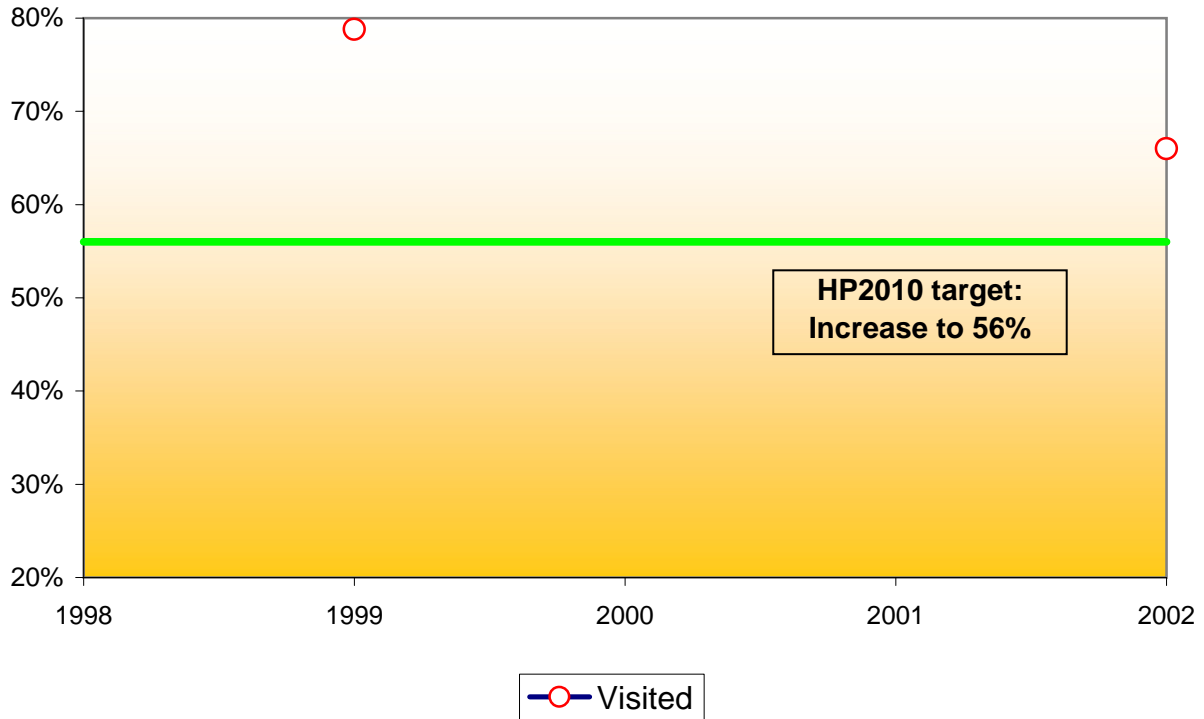
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		103			470
DID NOT VISIT		61			300
TOTAL		164			770

PERCENT	1998	1999	2000	2001	2002
VISITED		63.6			62.4
C.I (95%)		(53.9 - 72.3)			(57.7 - 66.8)
DID NOT VISIT		36.4			37.6
C.I (95%)		(27.7 - 46.1)			(33.2 - 42.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10/ SUPPLEMENT 6

**Percent of Japanese aged 18+ who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



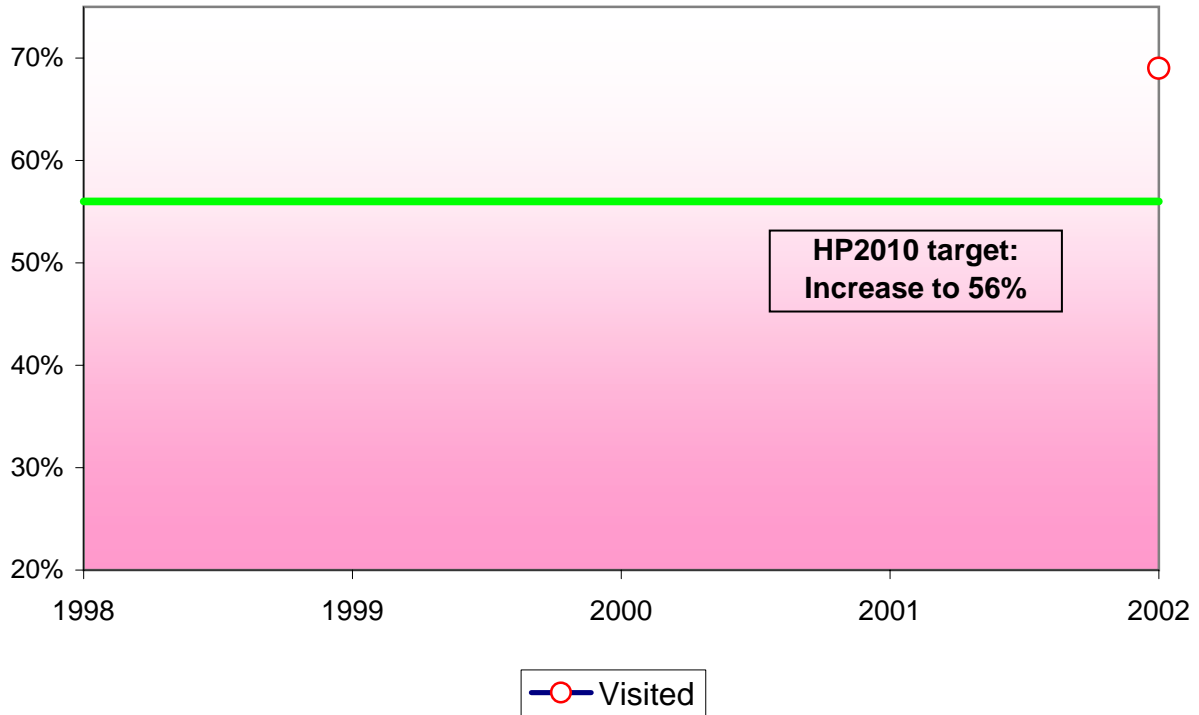
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		267			767
DID NOT VISIT		74			396
TOTAL		341			1163

PERCENT	1998	1999	2000	2001	2002
VISITED		78.8			66.0
C.I (95%)		(74.1 - 82.8)			(62.5 - 69.3)
DID NOT VISIT		21.2			34.0
C.I (95%)		(17.2 - 25.9)			(30.7 - 37.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10/ SUPPLEMENT 7

**Percent of adults of other races aged 18+ who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



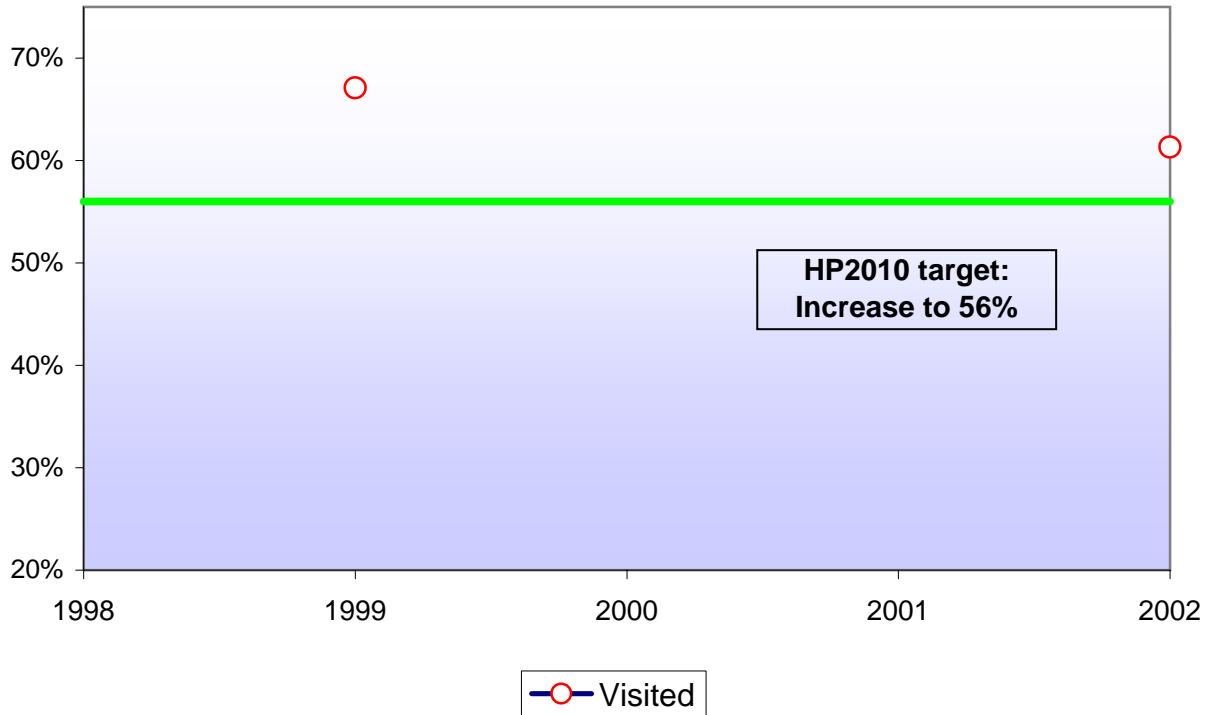
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		394			554
DID NOT VISIT		146			245
TOTAL		540			799

PERCENT	1998	1999	2000	2001	2002
VISITED		78.8			69.0
C.I (95%)		(74.1 - 82.8)			(64.8 - 73.0)
DID NOT VISIT		21.2			31.0
C.I (95%)		(17.2 - 25.9)			(27.0 - 35.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 21-10/ SUPPLEMENT 8**

**Percent of adults aged 18+ in low income household who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



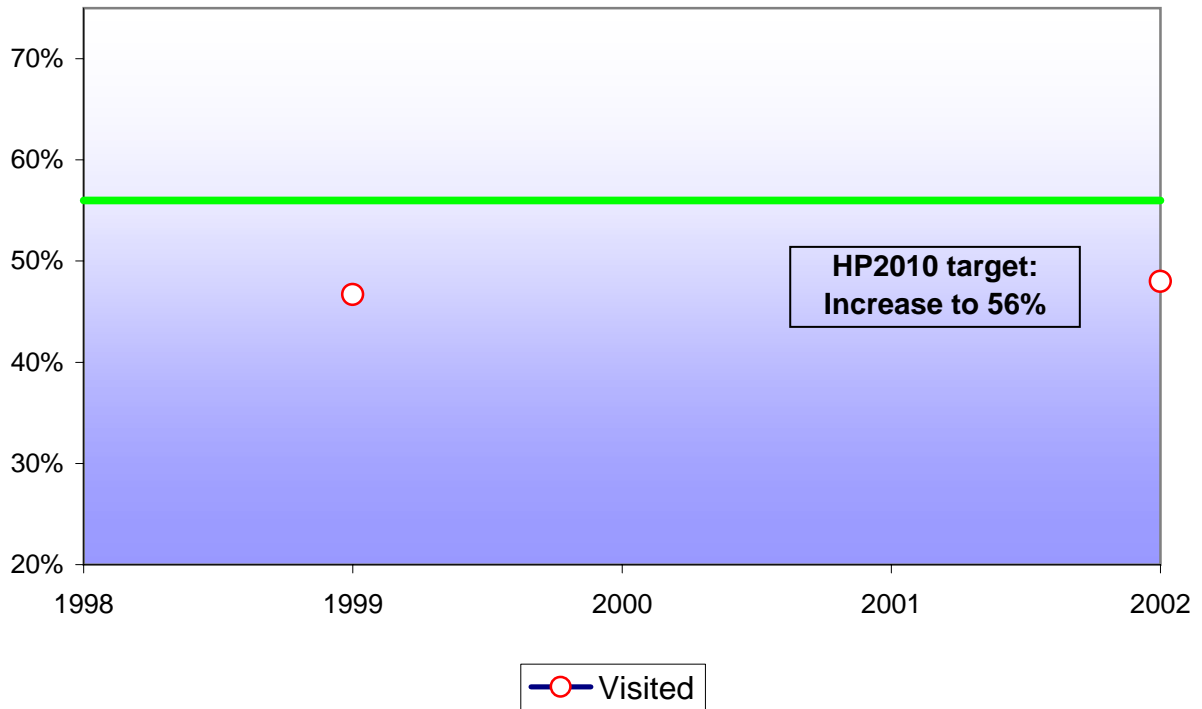
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		51			123
DID NOT VISIT		30			87
TOTAL		81			210

PERCENT	1998	1999	2000	2001	2002
VISITED		67.1			61.3
C.I (95%)		(50.9 - 80.0)			(51.8 - 70.0)
DID NOT VISIT		32.9			38.7
C.I (95%)		(20.0 - 49.1)			(30.0 - 48.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 21-10/ SUPPLEMENT 9**

**Percent of adults with less education who visited dentist or dental clinic last year  
Hawaii, 1998-2002**



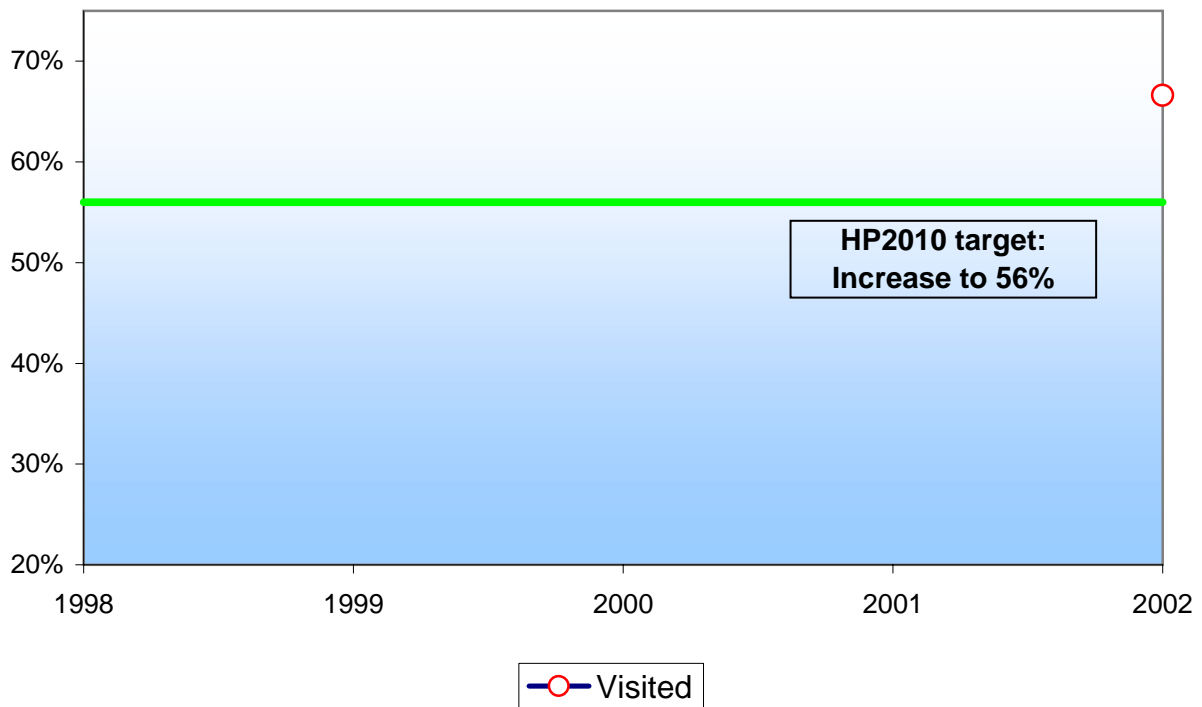
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		65			174
DID NOT VISIT		64			197
TOTAL		129			371

PERCENT	1998	1999	2000	2001	2002
VISITED		46.7			48.0
C.I (95%)		(35.3 - 58.5)			(41.1 - 55.0)
DID NOT VISIT		53.3			52.0
C.I (95%)		(41.5 - 64.7)			(45.0 - 58.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10/ SUPPLEMENT 10

**Percent of adults aged 18+ who visited dentist or dental clinic last year  
Honolulu county, Hawaii, 1998-2002**



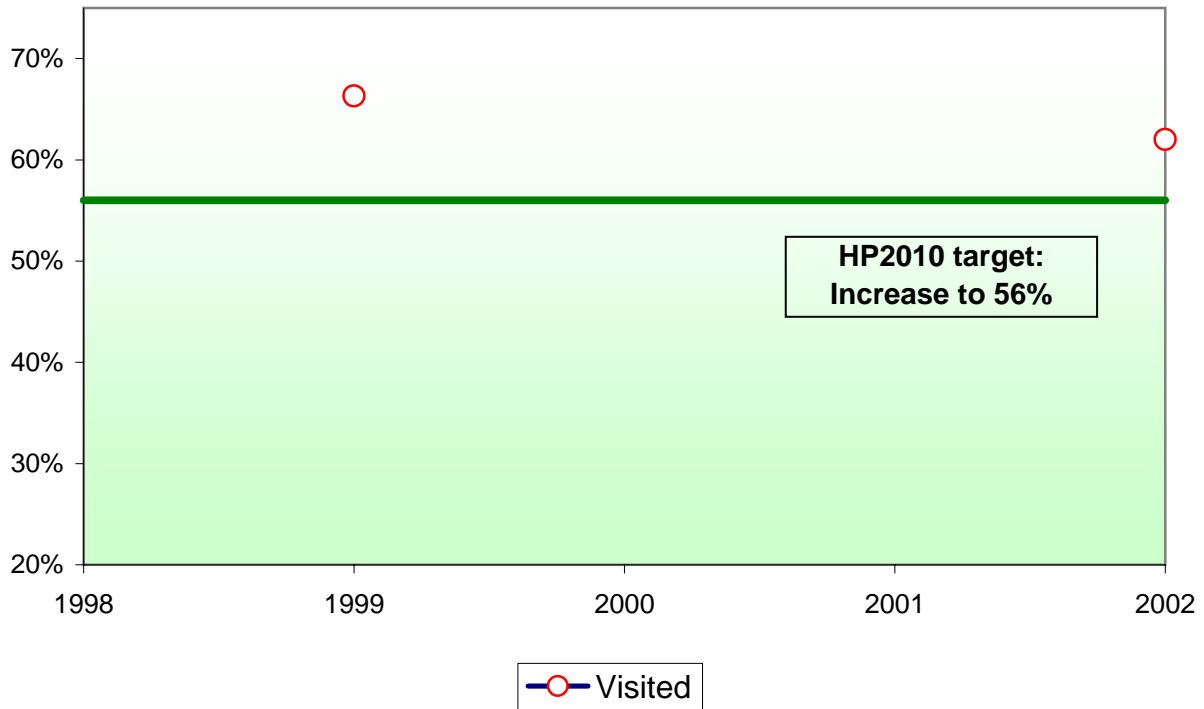
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		624			1914
DID NOT VISIT		189			892
TOTAL		813			2806

PERCENT	1998	1999	2000	2001	2002
VISITED		77.0			66.6
C.I (95%)		(73.5 - 80.2)			(64.5 - 68.7)
DID NOT VISIT		23.0			33.4
C.I (95%)		(19.8 - 26.5)			(31.3 - 35.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10/ SUPPLEMENT 11

**Percent of adults aged 18+ who visited dentist or dental clinic last year  
Hawaii county, Hawaii, 1998-2002**



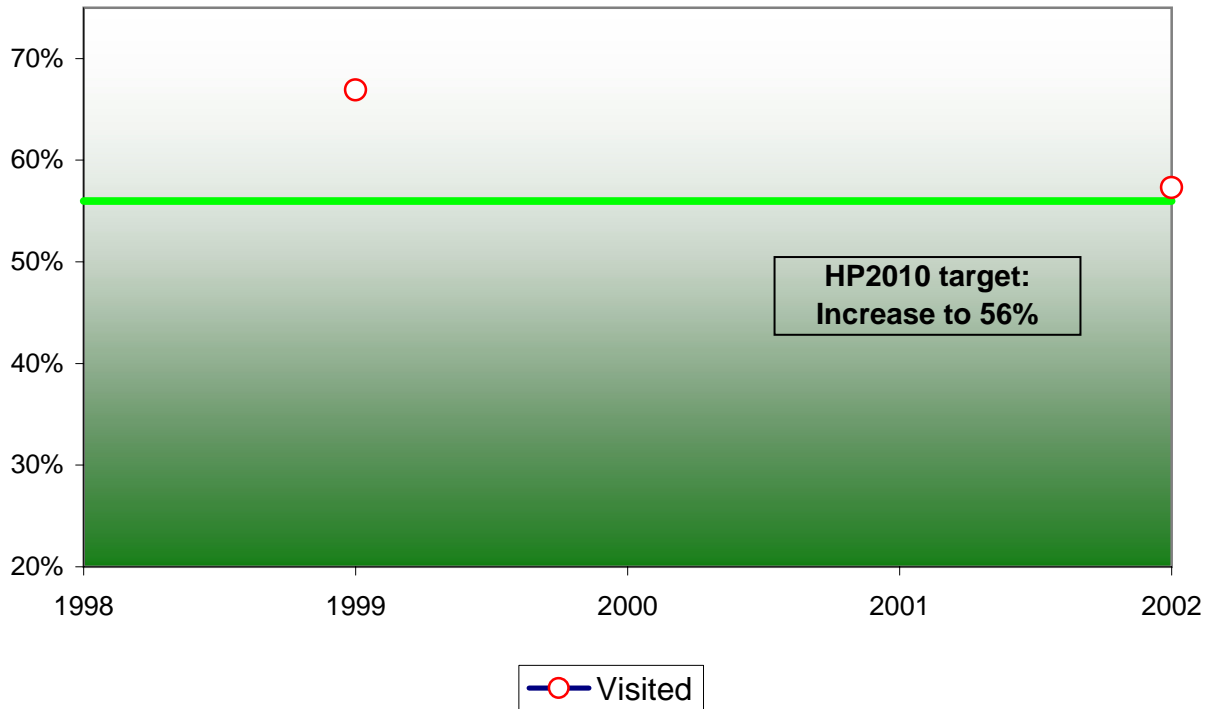
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		289			874
DID NOT VISIT		152			499
TOTAL		441			1373

PERCENT	1998	1999	2000	2001	2002
VISITED		66.3			62.0
C.I (95%)		(60.9 - 71.2)			(58.8 - 65.0)
DID NOT VISIT		33.7			38.0
C.I (95%)		(28.8 - 39.1)			(35.0 - 41.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 21-10/ SUPPLEMENT 12

**Percent of adults aged 18+ who visited dentist or dental clinic last year  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		117			371
DID NOT VISIT		54			227
TOTAL		171			598

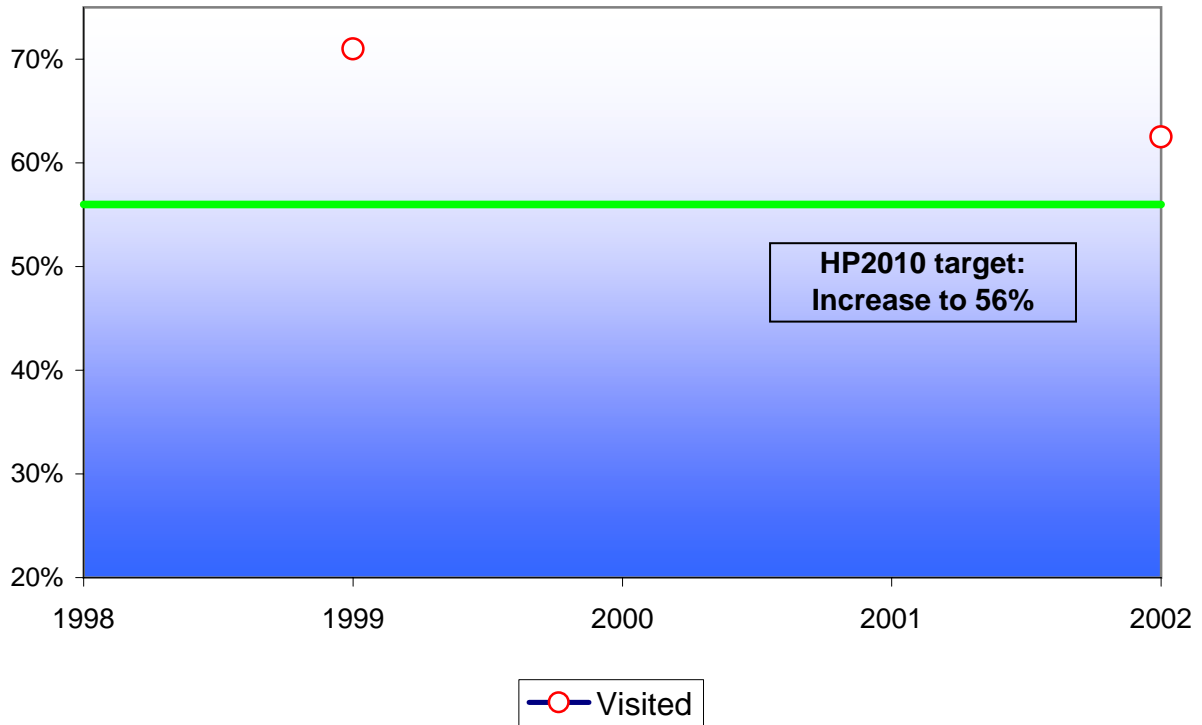
PERCENT	1998	1999	2000	2001	2002
VISITED		66.9			57.3
C.I (95%)		(58.2 - 74.5)			(52.5 - 62.0)
DID NOT VISIT		33.1			42.7
C.I (95%)		(25.5 - 41.8)			(38.0 - 47.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 21-10/ SUPPLEMENT 13

**Percent of adults aged 18+ who visited dentist or dental clinic last year  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
VISITED		237			741
DID NOT VISIT		96			456
TOTAL		333			1197

PERCENT	1998	1999	2000	2001	2002
VISITED		71.0			62.5
C.I (95%)		(65.0 - 76.4)			(59.1 - 65.9)
DID NOT VISIT		29.0			37.5
C.I (95%)		(23.6 - 35.0)			(34.1 - 40.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

# PHYSICAL ACTIVITY

## **Objective 22-1**

*Reduce the proportion of adults who engage in no leisure-time physical activity to **20%**.*

## **Objective 22-2**

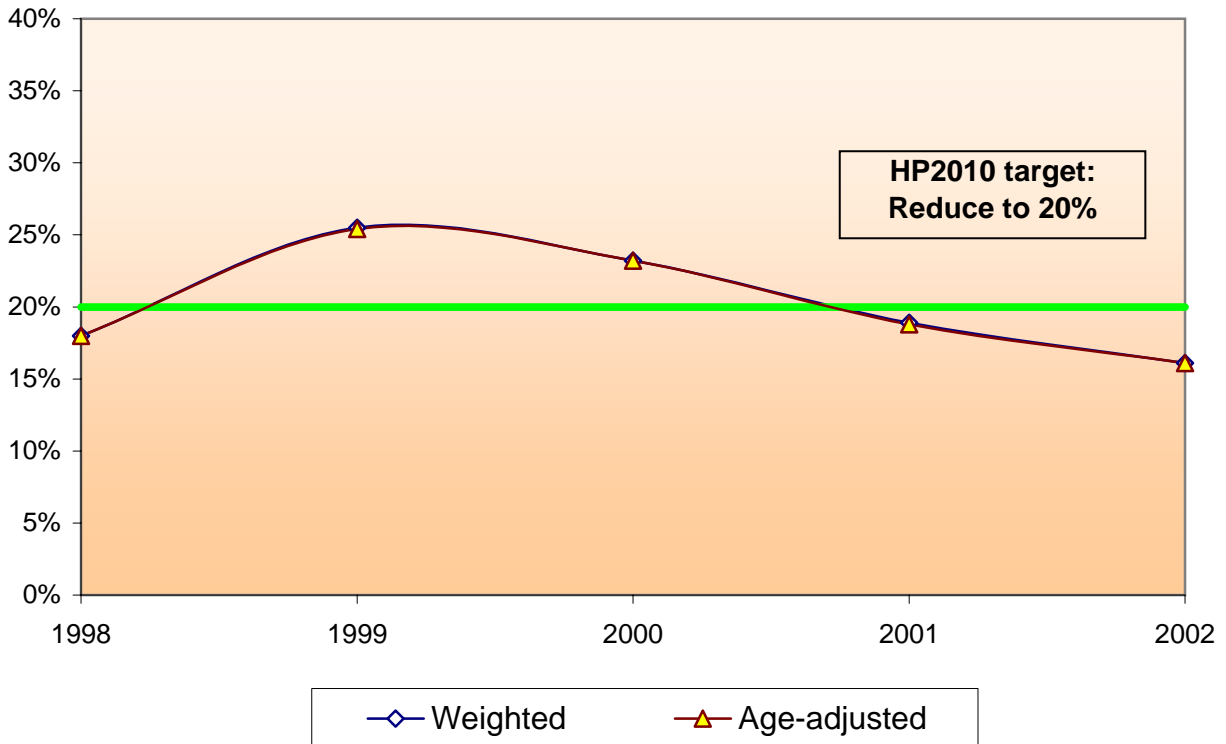
*Increase the proportion of adults who engage regularly, preferably daily, in moderate physical activity for at least 30 minutes per day to **30%**.*

## **Objective 22-3**

*Increase the proportion of adults who engage in vigorous physical activity that promotes the development and maintenance of cardiorespiratory fitness 3 or more days per week for 20 or more minutes per occasion to **30%**.*

## **OBJECTIVE 22-1**

**Percent of adults aged 18+ who engage in no leisure-time physical activity  
Hawaii, 1998-2002**



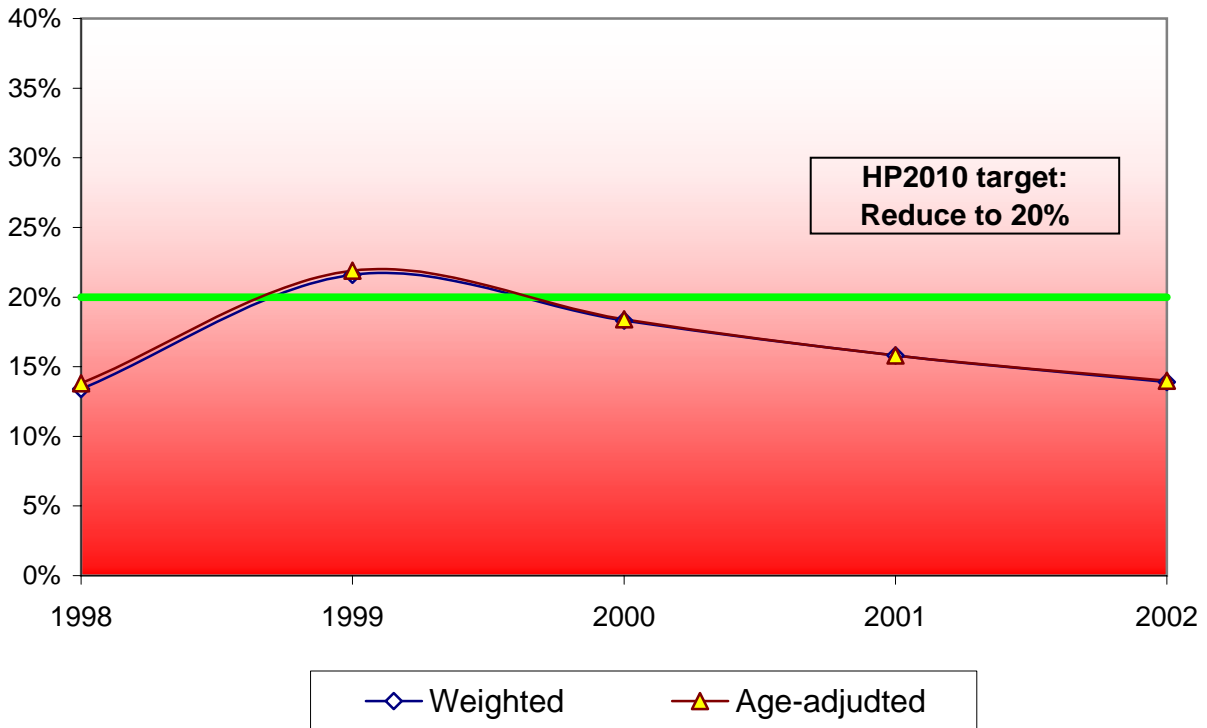
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	401	527	1377	858	1013
SOME PHYSICAL ACTIVITY	1752	1628	4639	3642	4985
TOTAL	2153	2155	6016	4500	5998

PERCENT	1998	1999	2000	2001	2002
Weighted percent	18.0	25.5	23.2	18.9	16.1
C.I (95%)	(15.9 - 20.2)	(23.0 - 28.1)	(21.8 - 24.7)	(17.4 - 20.5)	(14.9 - 17.4)
Age-adjusted percent	18.0	25.4	23.2	18.8	16.1
C.I (95%)	(16.0 - 20.2)	(22.9 - 28.1)	(21.7 - 24.7)	(17.3 - 20.4)	(14.9 - 17.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-1/ SUPPLEMENT 1

**Percent of men aged 18+ who engage in no leisure-time physical activity  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	138	201	497	317	371
SOME PHYSICAL ACTIVITY	795	792	2184	1620	2233
TOTAL	933	993	2681	1937	2604

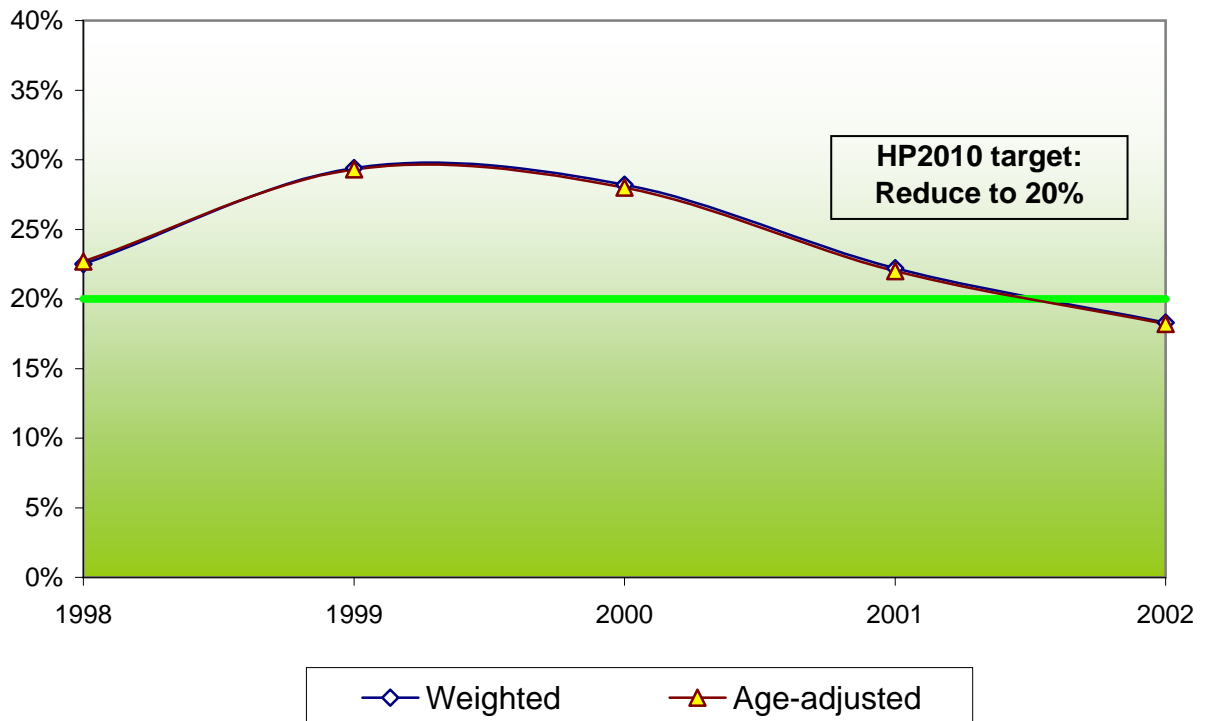
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	13.4	21.6	18.3	15.8	13.9
C.I (95%)	(10.8 - 16.7)	(18.2 - 25.5)	(16.4 - 20.3)	(13.7 - 18.0)	(12.3 - 15.7)
Age-adjusted percent	13.8	21.9	18.4	15.8	14.0
C.I (95%)	(11.1 - 17.1)	(18.5 - 25.8)	(16.6 - 20.5)	(13.8 - 18.1)	(12.4 - 15.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-1/ SUPPLEMENT 2

**Percent of women aged 18+  
who engage in no leisure-time physical activity  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	263	326	880	541	642
SOME PHYSICAL ACTIVITY	957	836	2455	2022	2752
TOTAL	1220	1162	3335	2563	3394

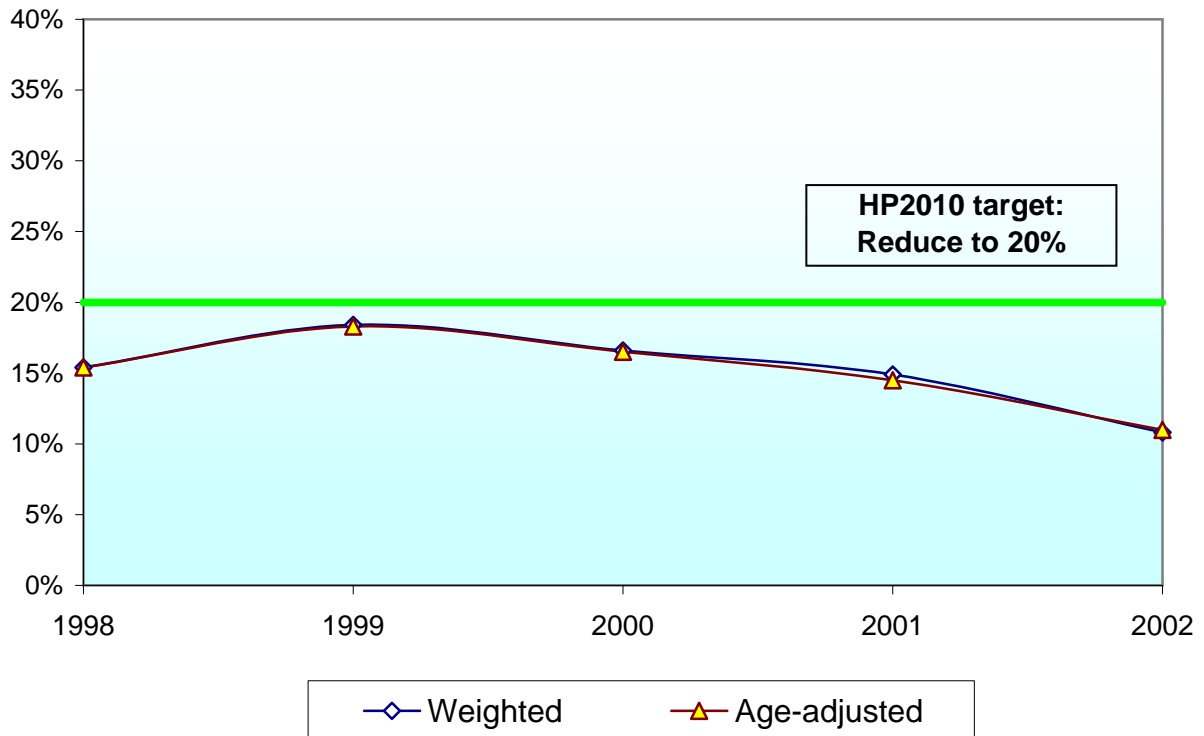
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	22.5	29.4	28.2	22.2	18.3
<b>C.I (95%)</b>	(19.6 - 25.7)	(25.9 - 33.1)	(26.1 - 30.4)	(20.0 - 24.5)	(16.7 - 20.1)
<b>Age-adjusted percent</b>	22.7	29.3	28.0	22.0	18.2
<b>C.I (95%)</b>	(19.7 - 25.9)	(25.8 - 33.0)	(26.0 - 30.2)	(19.8 - 24.2)	(16.6 - 20.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-1/ SUPPLEMENT 3**

**Percent of White adults aged 18+ who engage in no leisure-time physical activity  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	131	92	381	282	302
SOME PHYSICAL ACTIVITY	716	403	1879	1575	2179
TOTAL	847	495	2260	1857	2481

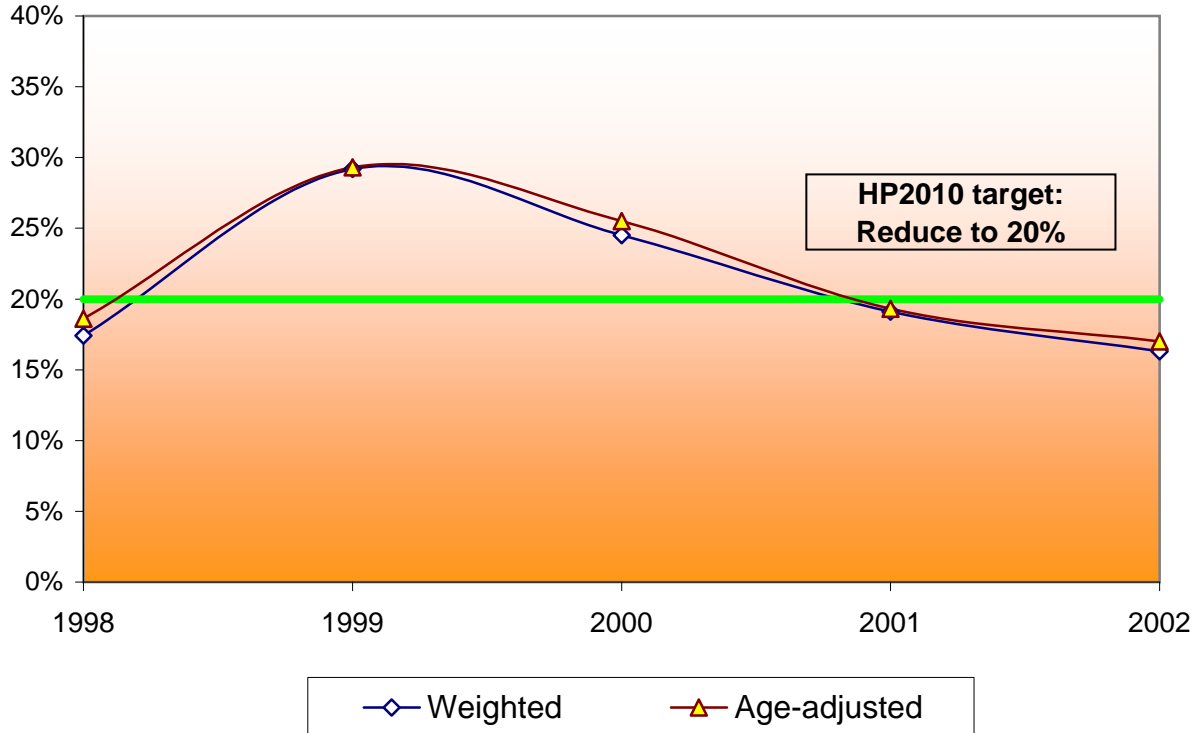
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	15.4	18.4	16.6	14.9	10.8
<b>C.I (95%)</b>	(12.2 - 19.3)	(14.0 - 23.8)	(14.6 - 18.8)	(12.9 - 17.2)	(9.3 - 12.6)
<b>Age-adjusted percent</b>	15.4	18.3	16.5	14.5	11.0
<b>C.I (95%)</b>	(12.1 - 19.4)	(14.1 - 23.3)	(14.5 - 18.7)	(12.5 - 16.7)	(9.4 - 12.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-1/ SUPPLEMENT 4**

**Percent of Hawaiians aged 18+  
who engage in no leisure-time physical activity  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	55	56	237	110	146
SOME PHYSICAL ACTIVITY	250	164	696	475	625
TOTAL	305	220	933	585	771

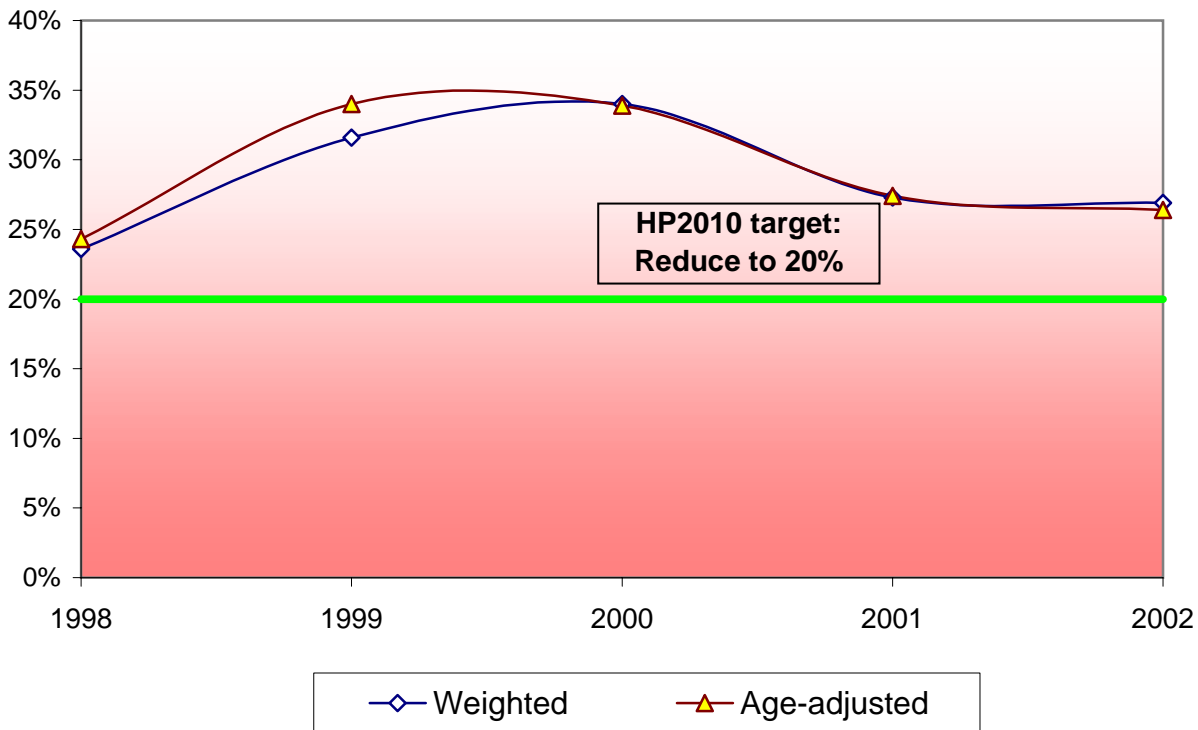
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	17.4	29.2	24.5	19.1	16.3
<b>C.I (95%)</b>	(12.6 - 23.7)	(21.2 - 38.6)	(20.9 - 28.5)	(15.2 - 23.8)	(13.2 - 19.9)
<b>Age-adjusted percent</b>	18.6	29.3	25.5	19.3	17.0
<b>C.I (95%)</b>	(13.8 - 24.8)	(21.6 - 38.5)	(21.8 - 29.7)	(15.4 - 24.0)	(13.9 - 20.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-1/ SUPPLEMENT 5**

**Percent of Filipinos aged 18+ who engage in no leisure-time physical activity  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	60	54	240	148	204
SOME PHYSICAL ACTIVITY	172	114	499	400	571
TOTAL	232	168	739	548	775

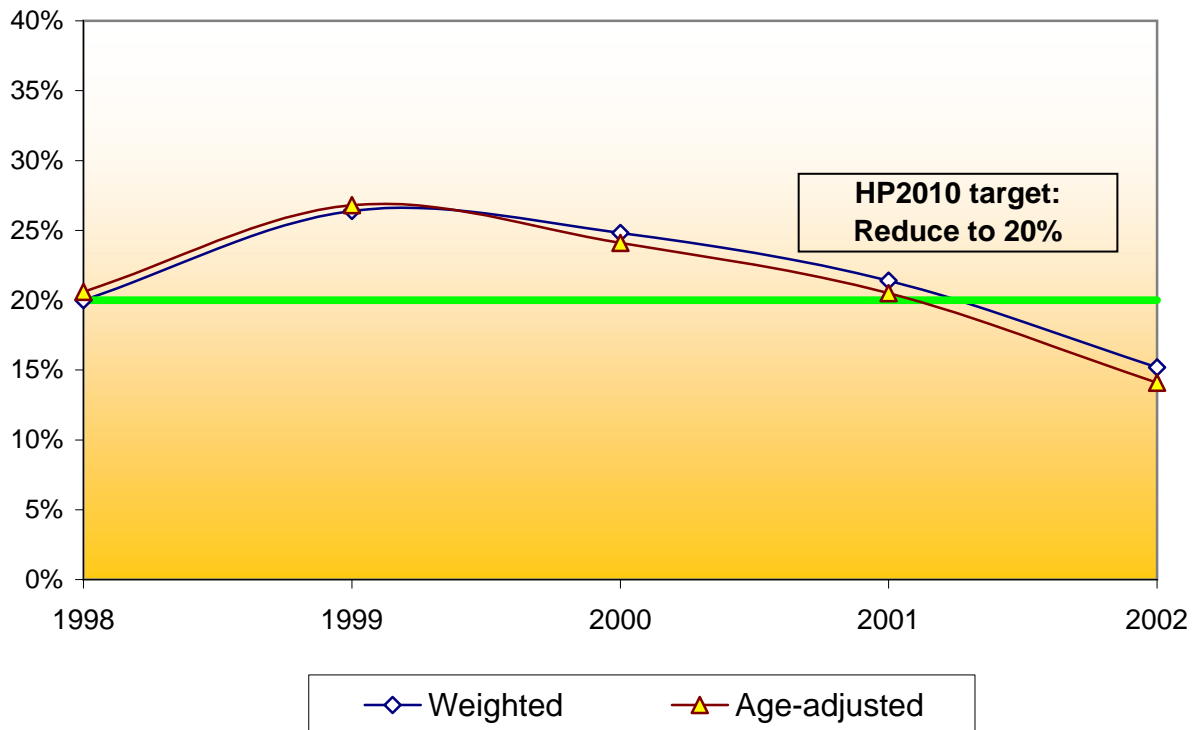
PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	23.6	31.6	34.0	27.3	26.9
<b>C.I (95%)</b>	(17.6 - 30.9)	(23.0 - 41.7)	(29.1 - 39.2)	(22.2 - 33.0)	(23.1 - 31.1)
<b>Age-adjusted percent</b>	24.3	34.0	33.9	27.4	26.4
<b>C.I (95%)</b>	(18.1 - 31.9)	(24.7 - 44.6)	(29.1 - 38.9)	(22.4 - 33.0)	(22.7 - 30.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 22-1/ SUPPLEMENT 6**

**Percent of Japanese aged 18+ who engage in no-leisure-time physical activity  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	104	88	327	195	193
SOME PHYSICAL ACTIVITY	371	258	940	676	974
TOTAL	475	346	1267	871	1167

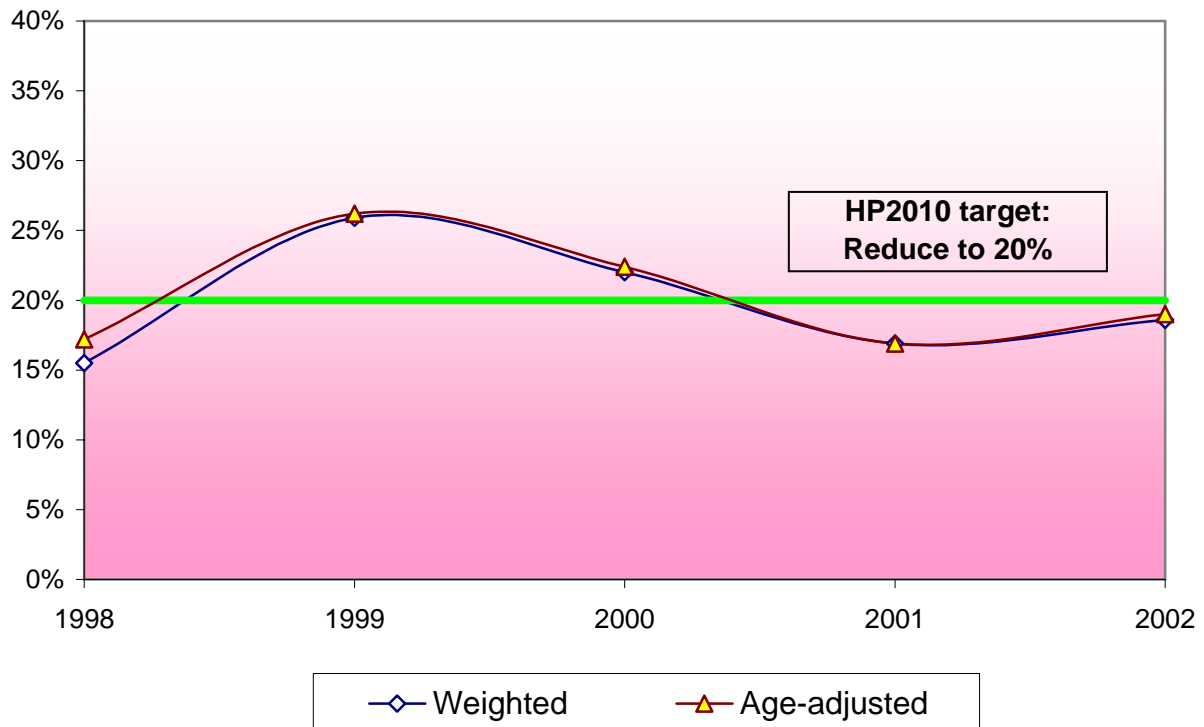
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	20.0	26.4	24.8	21.4	15.2
C.I (95%)	(15.9 - 24.7)	(20.9 - 32.8)	(24.0 - 27.9)	(18.1 - 25.1)	(12.9 - 17.8)
Age-adjusted percent	20.6	26.8	24.1	20.5	14.1
C.I (95%)	(16.3 - 25.7)	(20.9 - 33.7)	(21.1 - 27.3)	(17.1 - 24.5)	(11.8 - 16.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-1/ SUPPLEMENT 7**

**Percent of adults of other races aged 18+ who engage in no leisure-time physical activity  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	51	237	192	123	168
SOME PHYSICAL ACTIVITY	243	689	625	516	636
TOTAL	294	926	817	639	804

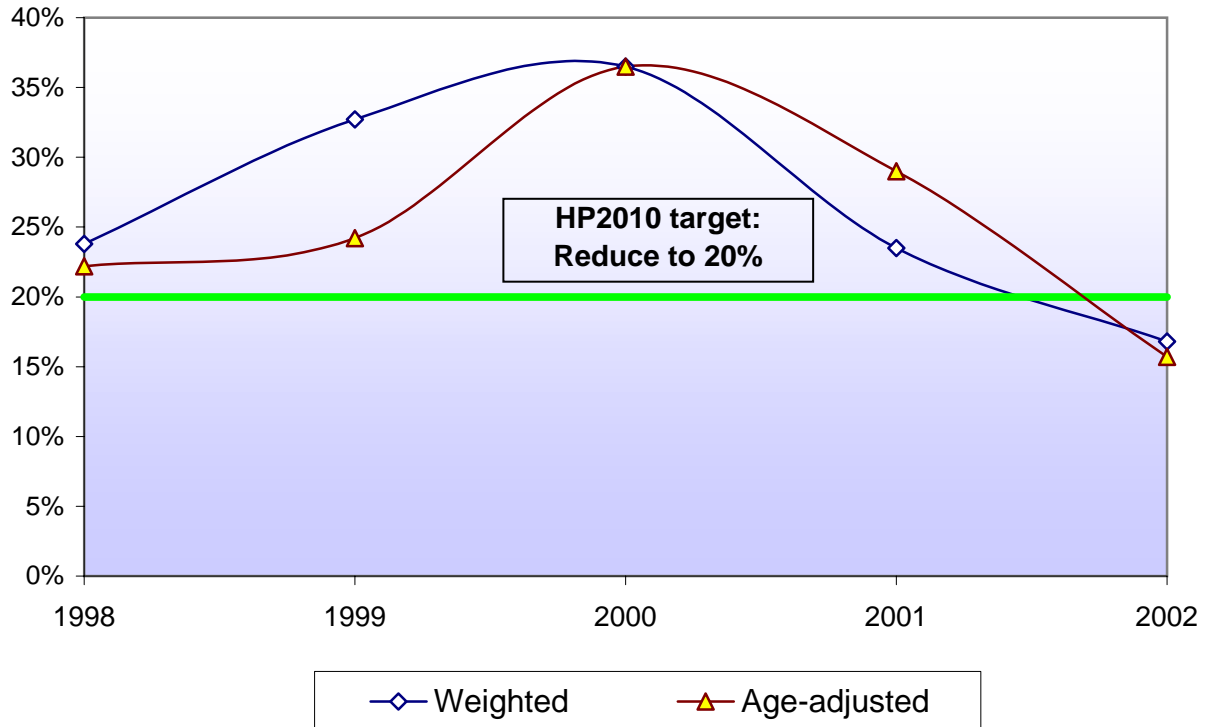
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	15.5	25.9	22.0	16.9	18.6
<b>C.I (95%)</b>	(11.2 - 21.0)	(22.1 - 30.0)	(18.7 - 25.6)	(13.7 - 20.7)	(15.6 - 22.1)
<b>Age-adjusted percent</b>	17.2	26.2	22.4	16.9	19.0
<b>C.I (95%)</b>	(12.3 - 23.5)	(22.5 - 30.2)	(19.1 - 26.1)	(13.7 - 20.6)	(16.0 - 22.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-1/ SUPPLEMENT 8**

**Percent of adults aged 18+ in low income household  
who engage in no leisure-time physical activity  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	35	33	104	54	45
SOME PHYSICAL ACTIVITY	110	67	209	139	164
TOTAL	145	100	313	193	209

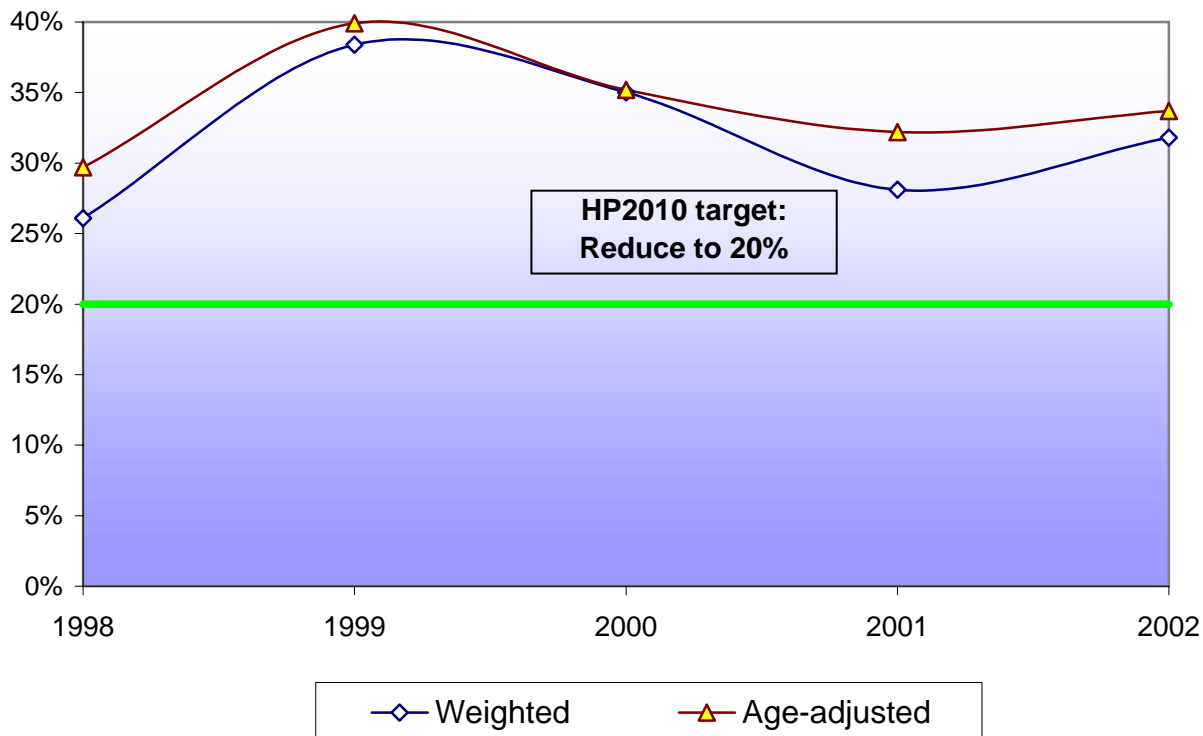
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	23.8	32.7	36.5	23.5	16.8
<b>C.I (95%)</b>	(15.8 - 34.3)	(20.7 - 47.5)	(28.9 - 44.9)	(16.2 - 33.0)	(11.6 - 23.7)
<b>Age-adjusted percent</b>	22.2	24.2	36.5	29.0	15.7
<b>C.I (95%)</b>	(14.2 - 33.1)	(13.9 - 38.7)	(29.4 - 44.4)	(20.7 - 38.9)	(11.0 - 22.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-1/ SUPPLEMENT 9**

**Percent of adults with less education who engage in no leisure-time physical activity  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	44	64	155	80	121
SOME PHYSICAL ACTIVITY	101	88	261	204	255
TOTAL	145	152	416	284	376

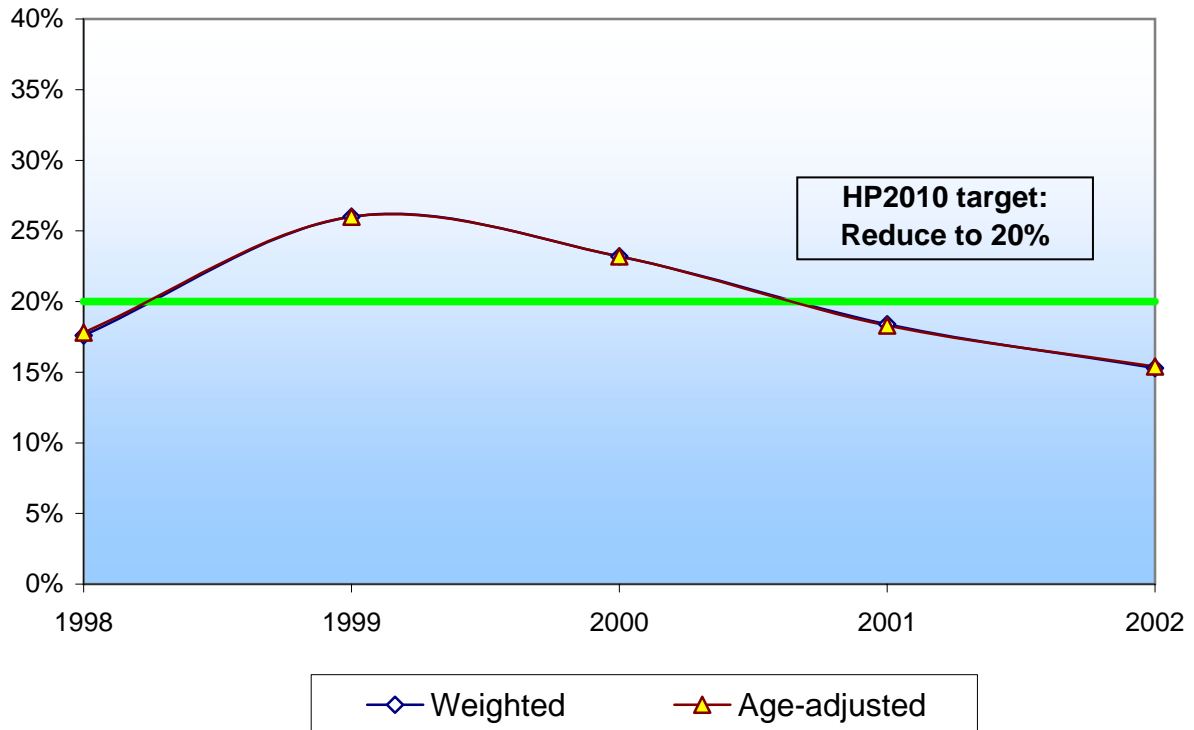
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	26.1	38.4	35.0	28.1	31.8
<b>C.I (95%)</b>	(17.6 - 36.8)	(28.8 - 48.9)	(27.7 - 43.1)	(21.2 - 36.1)	(25.5 - 38.8)
<b>Age-adjusted percent</b>	29.7	39.9	35.2	32.2	33.7
<b>C.I (95%)</b>	(19.2 - 42.9)	(29.7 - 51.1)	(26.7 - 44.7)	(23.8 - 42.1)	(26.2 - 42.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-1/ SUPPLEMENT 10**

**Percent of adults aged 18+ who engage in no leisure-time physical activity  
Honolulu county, Hawaii, 1998-2002**



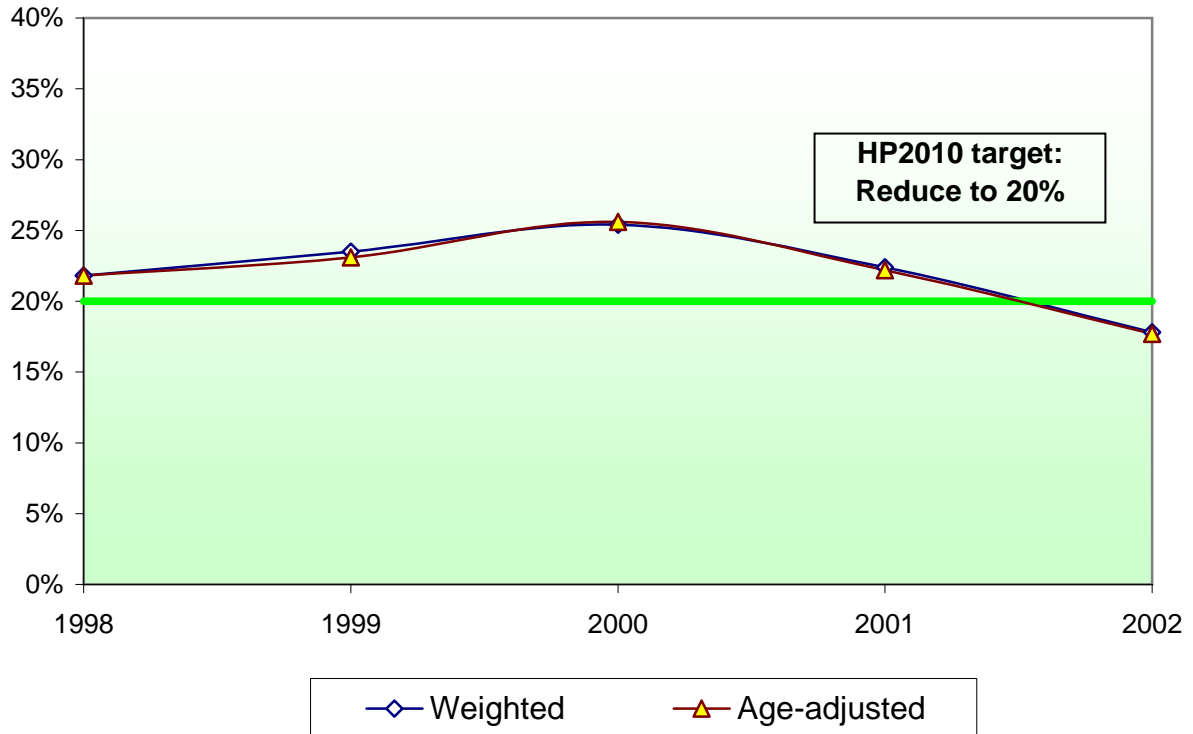
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	178	238	652	359	448
SOME PHYSICAL ACTIVITY	820	762	2153	1561	2363
TOTAL	998	1000	2805	1920	2811

PERCENT	1998	1999	2000	2001	2002
Weighted percent	17.6	26.0	23.2	18.4	15.3
C.I (95%)	(15.1 - 20.5)	(22.8 - 29.5)	(21.3 - 25.1)	(16.5 - 20.5)	(13.8 - 16.9)
Age-adjusted percent	17.8	26.0	23.2	18.3	15.4
C.I (95%)	(15.2 - 20.7)	(22.8 - 29.5)	(21.4 - 25.1)	(16.4 - 20.3)	(13.9 - 17.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-1/ SUPPLEMENT 11

**Percent of adults aged 18+  
who engage in no leisure-time physical activity  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	117	137	356	215	247
SOME PHYSICAL ACTIVITY	412	391	1098	805	1132
TOTAL	529	528	1454	1020	1379

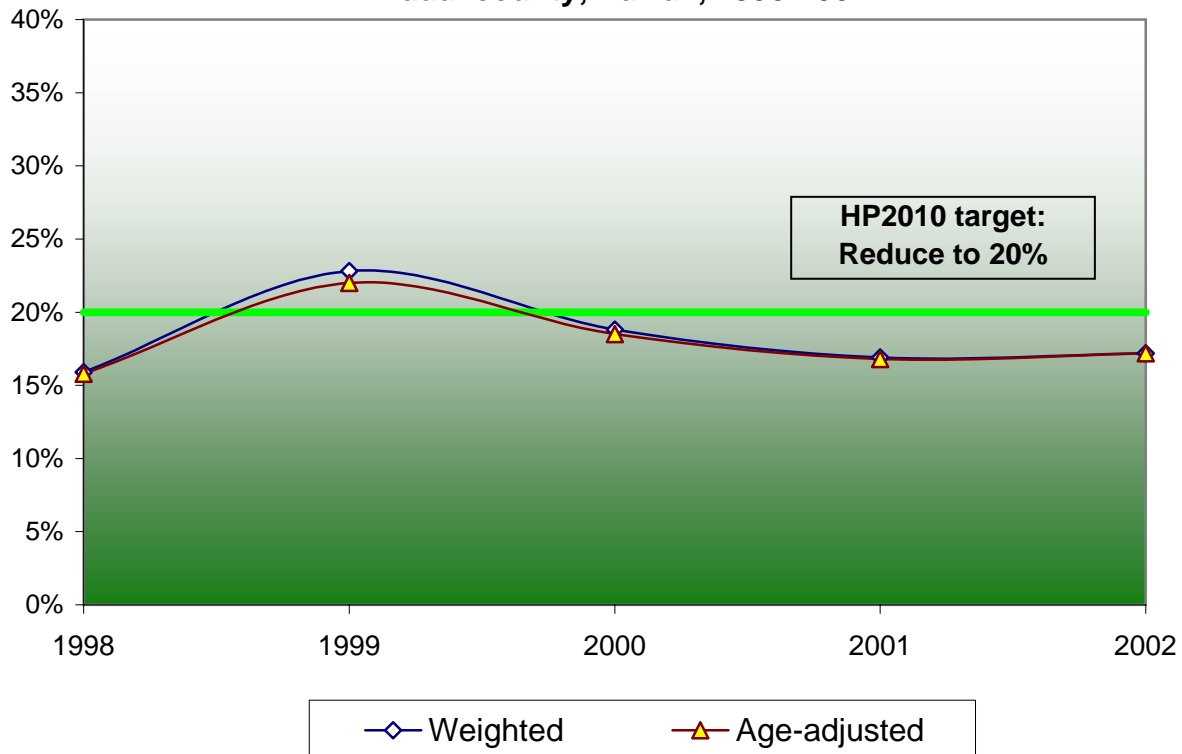
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	21.8	23.5	25.4	22.4	17.8
<b>C.I (95%)</b>	(17.8 - 26.3)	(19.6 - 29.7)	(22.6 - 28.4)	(19.5 - 25.6)	(15.5 - 20.3)
<b>Age-adjusted percent</b>	21.8	23.1	25.6	22.2	17.7
<b>C.I (95%)</b>	(17.5 - 26.8)	(19.2 - 27.6)	(22.6 - 28.8)	(19.3 - 25.5)	(15.2 - 20.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-1/ SUPPLEMENT 12**

**Percent of adults aged 18+ who engage in no leisure-time physical activity  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	33	49	115	93	90
SOME PHYSICAL ACTIVITY	177	160	472	456	511
TOTAL	210	209	587	549	601

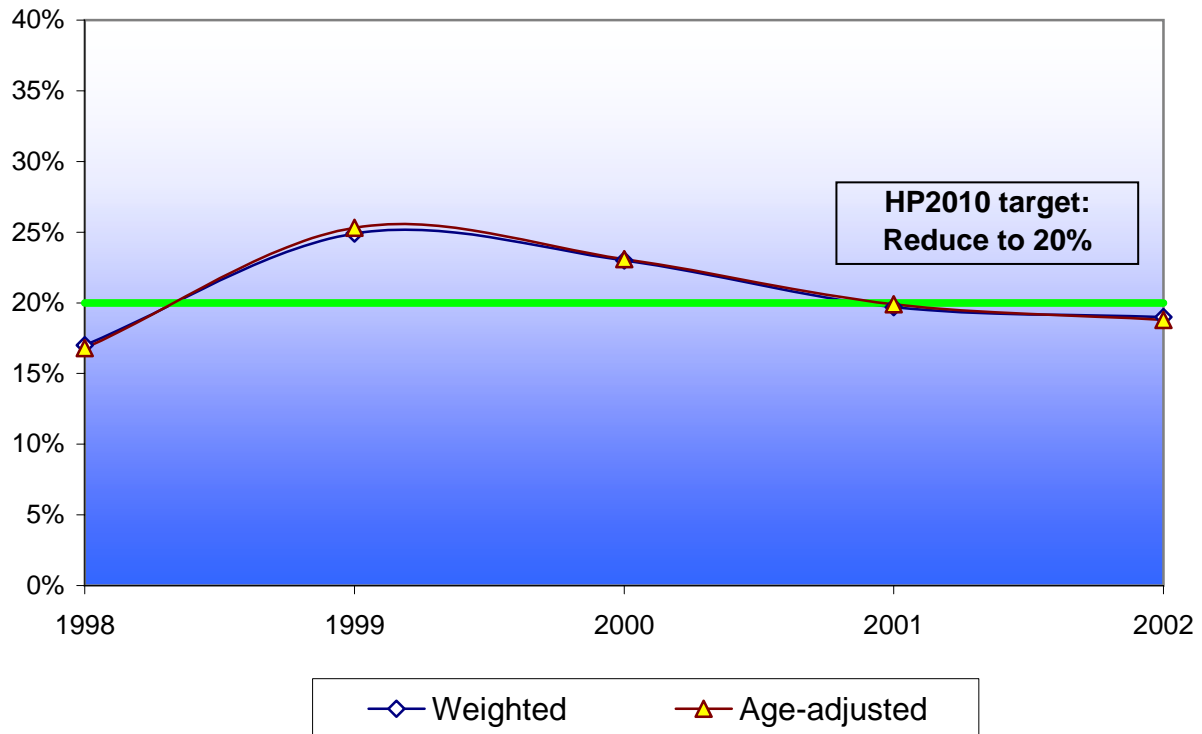
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	15.9	22.8	18.8	16.9	17.2
C.I (95%)	(10.9 - 22.8)	(16.7 - 30.3)	(15.6 - 22.6)	(13.5 - 20.9)	(13.8 - 21.3)
Age-adjusted percent	15.8	22.0	18.5	16.8	17.2
C.I (95%)	(10.9 - 22.4)	(15.9 - 29.7)	(15.3 - 22.1)	(13.4 - 20.8)	(13.6 - 21.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-1/ SUPPLEMENT 13**

**Percent of adults aged 18+ who engage in no leisure-time physical activity  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
NO PHYSICAL ACTIVITY	73	103	254	191	228
SOME PHYSICAL ACTIVITY	343	315	916	820	979
TOTAL	416	418	1170	1011	1207

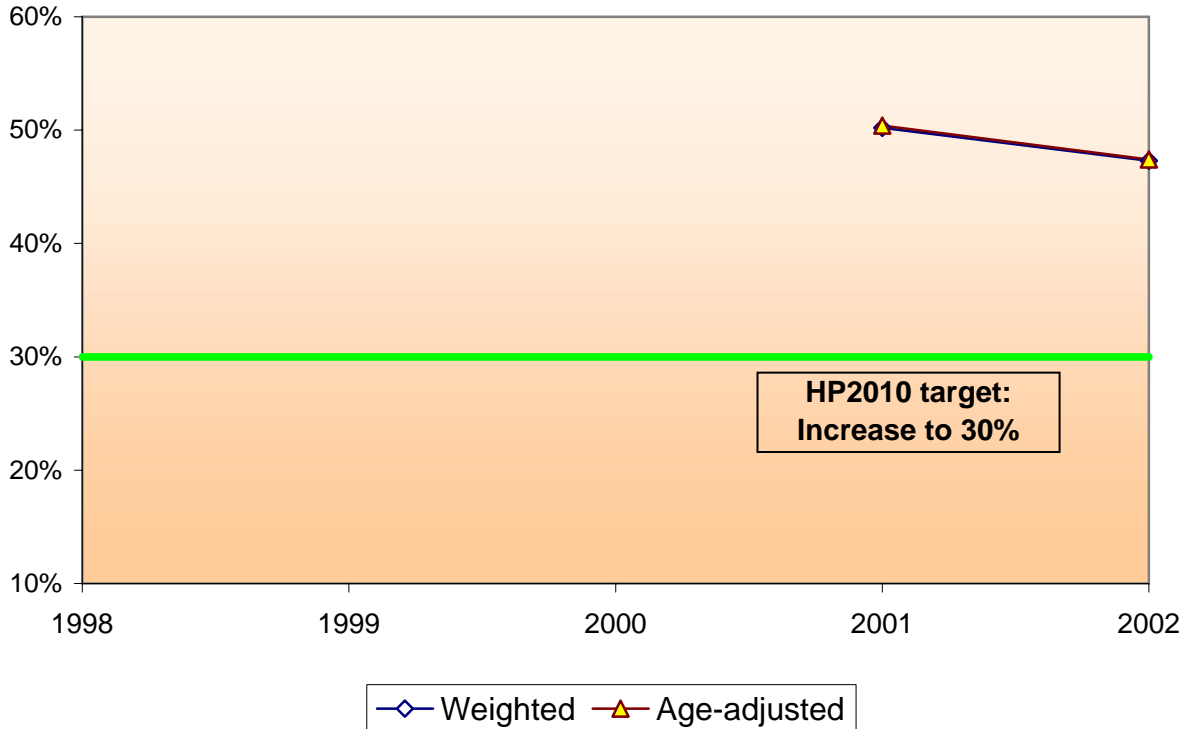
PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	17.0	24.9	23.0	19.7	19.0
<b>C.I (95%)</b>	(13.1 - 21.8)	(20.3 - 30.1)	(20.1 - 26.3)	(16.8 - 23.1)	(16.4 - 22.0)
<b>Age-adjusted percent</b>	16.8	25.3	23.1	19.9	18.8
<b>C.I (95%)</b>	(13.0 - 21.4)	(20.7 - 30.6)	(20.1 - 26.1)	(16.8 - 23.5)	(16.2 - 21.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 22-2**

**Percent of adults aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Hawaii, 1998-2002**



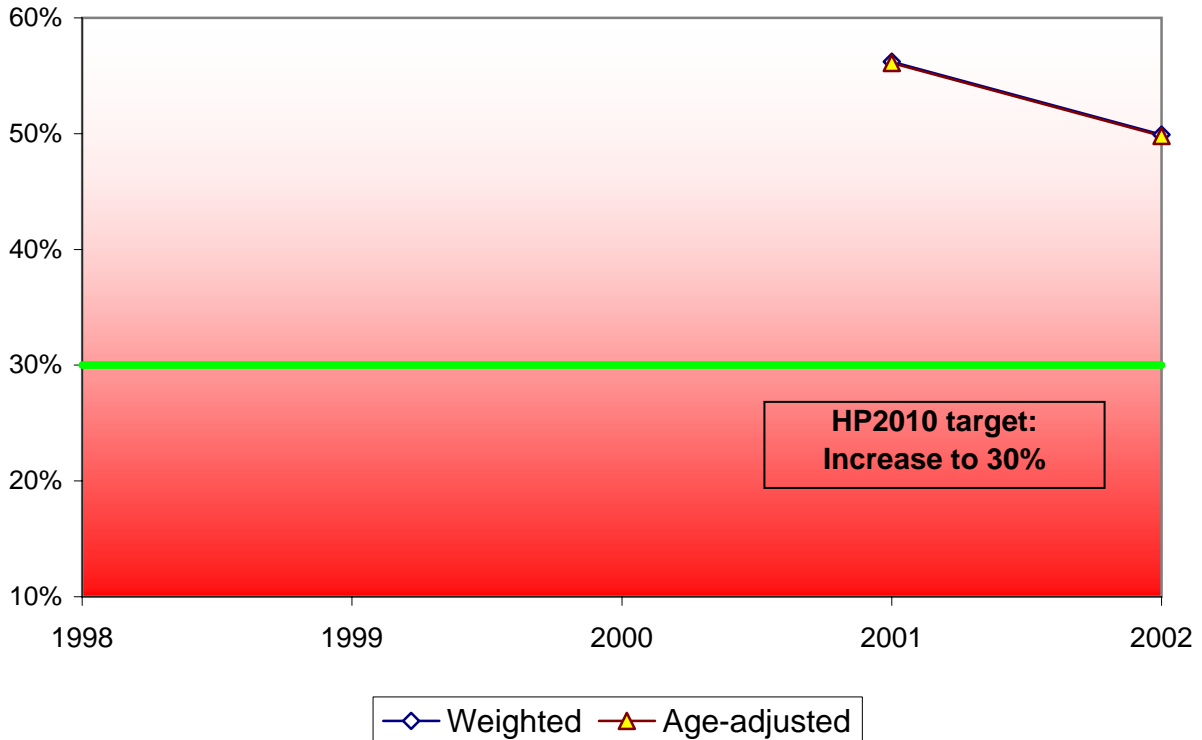
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				2258	2849
DO NOT MEET				2173	3101
TOTAL				4431	5950

PERCENT	1998	1999	2000	2001	2002
Weighted percent				50.2	47.3
C.I (95%)				(48.2 - 52.3)	(45.7 - 49.1)
Age-adjusted percent				50.4	47.4
C.I (95%)				(48.3 - 52.4)	(45.7 - 49.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-2/ SUPPLEMENT 1

**Percent of men aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Hawaii, 1998-2002**



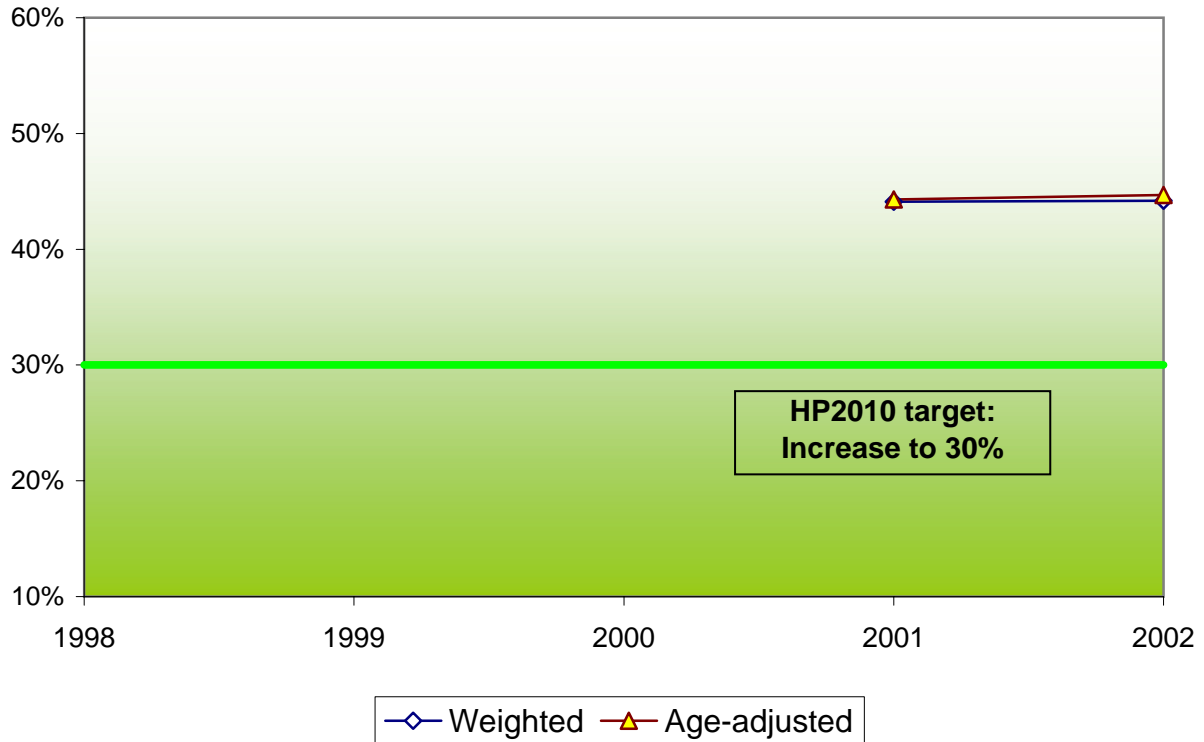
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				1101	1285
DO NOT MEET				807	1301
TOTAL				1908	2586

PERCENT	1998	1999	2000	2001	2002
Weighted percent				56.2	49.9
C.I (95%)				(53.3 - 59.2)	(47.3 - 52.5)
Age-adjusted percent				56.1	49.8
C.I (95%)				(53.1 - 59.0)	(47.3 - 52.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-2/ SUPPLEMENT 2**

**Percent of women aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Hawaii, 1998-2002**



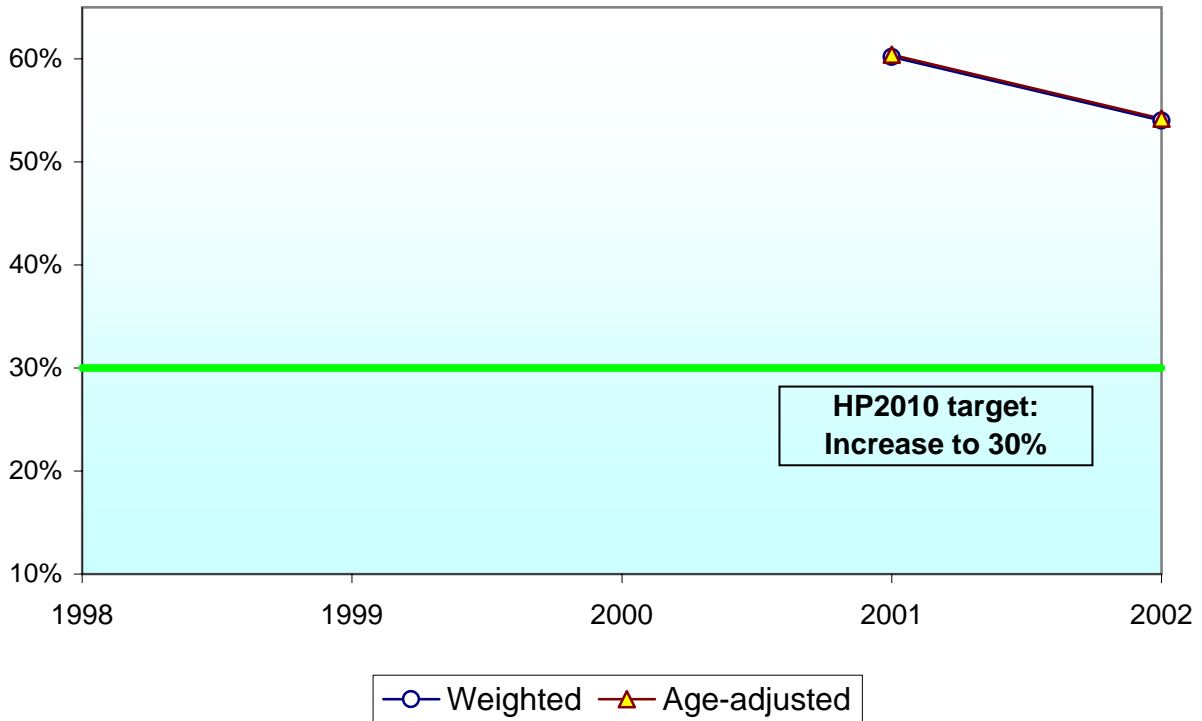
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				1157	1564
DO NOT MEET				1366	1800
TOTAL				2523	3364

PERCENT	1998	1999	2000	2001	2002
Weighted percent				44.1	44.2
C.I (95%)				(41.4 - 46.8)	(42.5 - 46.8)
Age-adjusted percent				44.3	44.7
C.I (95%)				(41.5 - 47.0)	(42.5 - 46.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-2/ SUPPLEMENT 3**

**Percent of White adults aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Hawaii, 1998-2002**



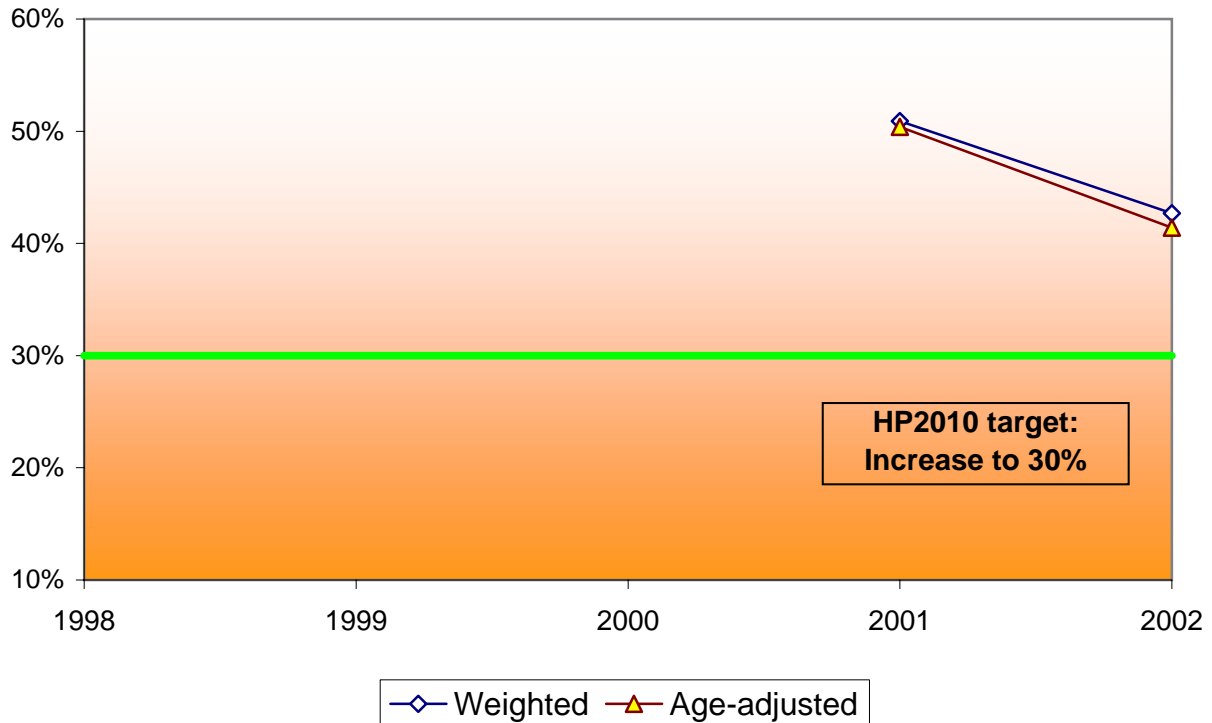
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				1085	1337
DO NOT MEET				743	1120
TOTAL				1828	2457

PERCENT	1998	1999	2000	2001	2002
Weighted percent				60.2	54.0
C.I (95%)				(57.2 - 63.2)	(51.4 - 56.7)
Age-adjusted percent				60.4	54.2
C.I (95%)				(57.3 - 63.4)	(51.5 - 56.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-2/ SUPPLEMENT 4

**Percent of Hawaiians aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Hawaii, 1998-2002**



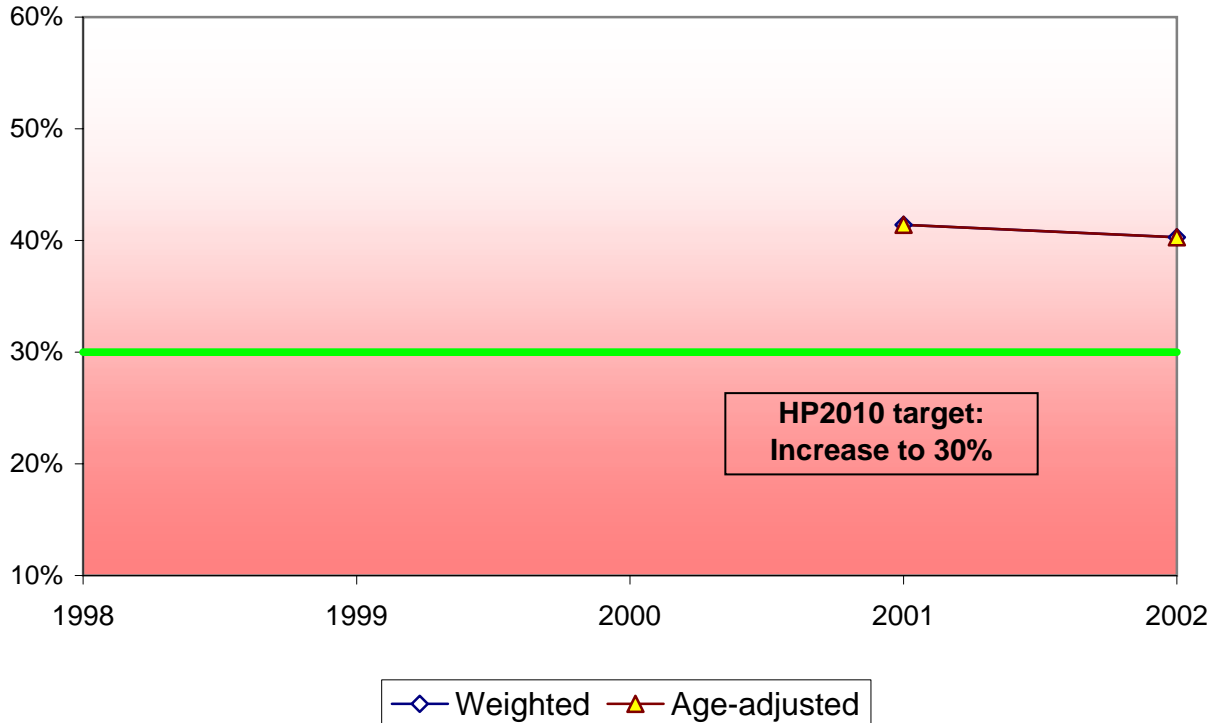
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				288	327
DO NOT MEET				289	440
TOTAL				577	767

PERCENT	1998	1999	2000	2001	2002
Weighted percent				50.9	42.7
C.I (95%)				(45.4 - 56.5)	(37.9 - 47.6)
Age-adjusted percent				50.4	41.4
C.I (95%)				(44.8 - 55.9)	(36.9 - 46.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-2/ SUPPLEMENT 5**

**Percent of Filipinos aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Hawaii, 1998-2002**



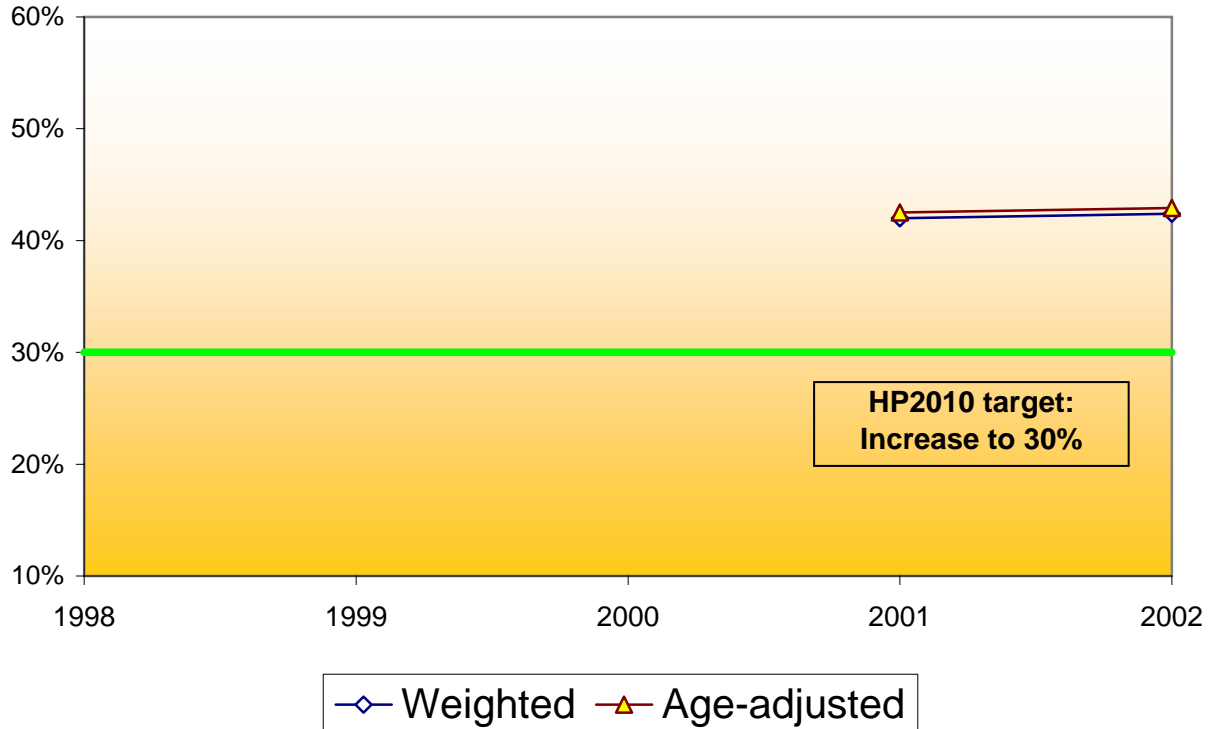
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				223	310
DO NOT MEET				314	458
TOTAL				537	768

PERCENT	1998	1999	2000	2001	2002
Weighted percent				41.4	40.3
C.I (95%)				(35.1 - 48.0)	(35.8 - 44.9)
Age-adjusted percent				41.4	40.3
C.I (95%)				(35.5 - 47.5)	(35.8 - 45.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-2/ SUPPLEMENT 6**

**Percent of Japanese aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Hawaii, 1998-2002**



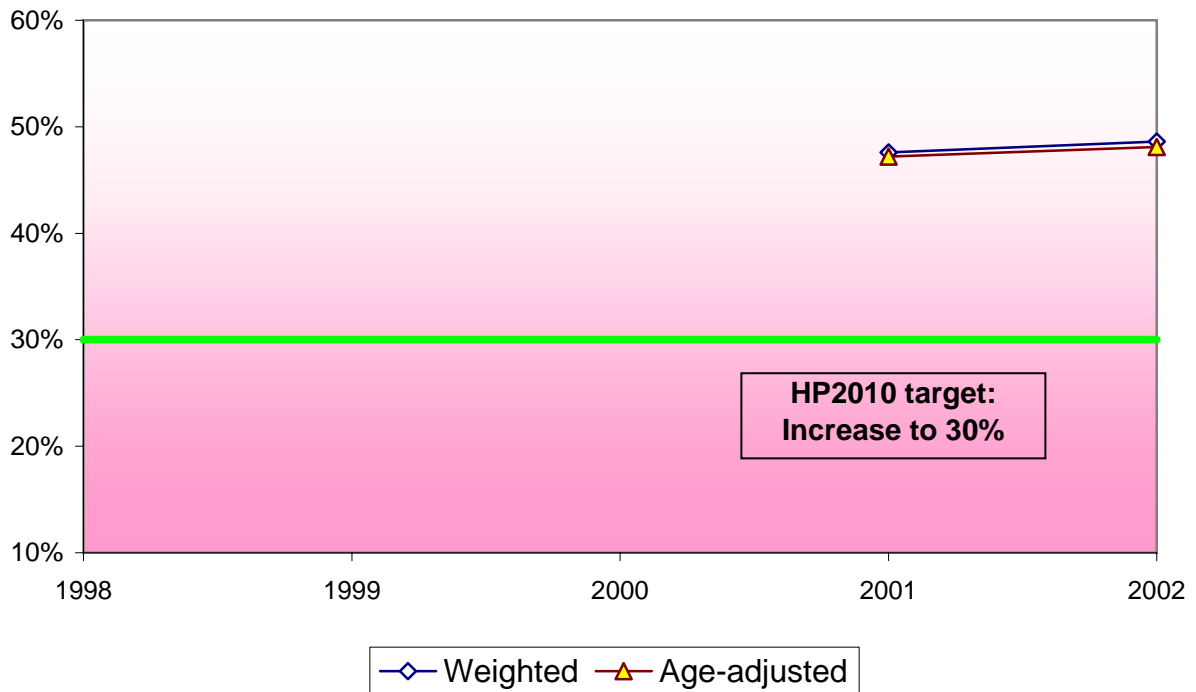
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				356	495
DO NOT MEET				504	664
TOTAL				860	1159

PERCENT	1998	1999	2000	2001	2002
Weighted percent				42.0	42.4
C.I (95%)				(37.7 - 46.4)	(38.8 - 46.0)
Age-adjusted percent				42.5	42.9
C.I (95%)				(37.8 - 47.4)	(39.1 - 46.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-2/ SUPPLEMENT 7

**Percent of adults of other races aged 18+  
who engage in moderate physical activity at least 5 days/week  
& 30 minutes/day  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				306	380
DO NOT MEET				323	419
TOTAL				629	799

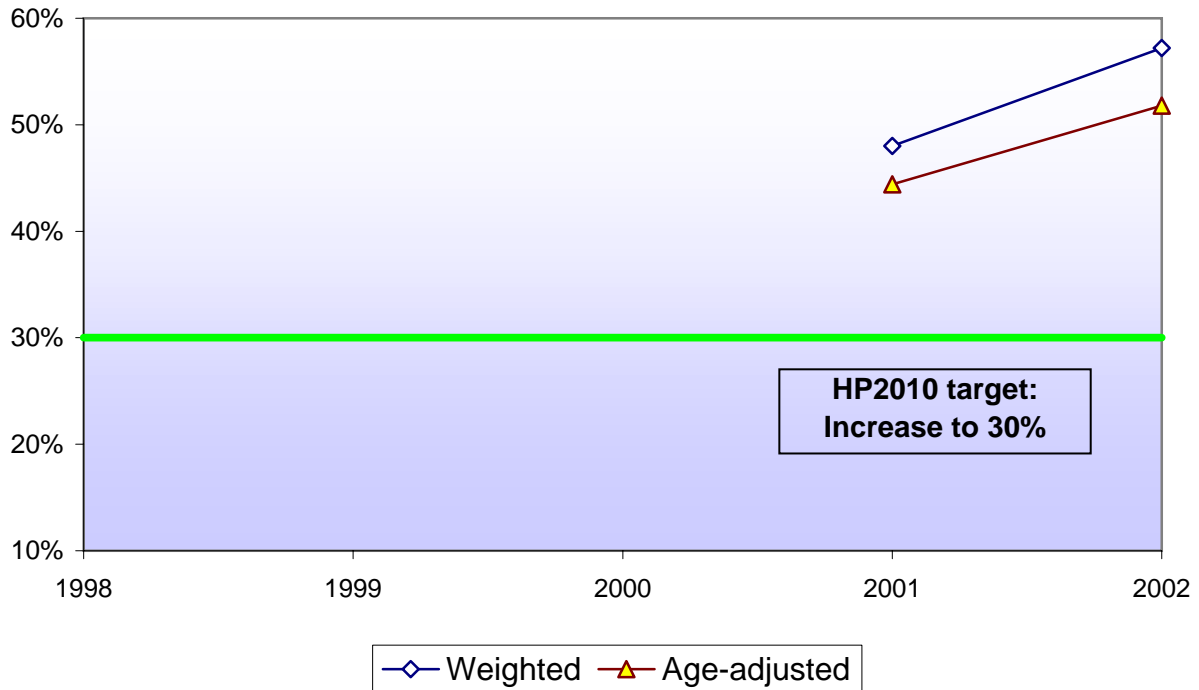
PERCENT	1998	1999	2000	2001	2002
Weighted percent				47.6	48.6
C.I (95%)				(42.7 - 52.6)	(44.2 - 53.1)
Age-adjusted percent				47.2	48.1
C.I (95%)				(43.2 - 52.2)	(43.9 - 52.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 22-2/ SUPPLEMENT 8**

**Percent of adults aged 18+ in low income household  
who engage in moderate physical activity at least 5 days/week  
& 30 minutes/day  
Hawaii, 1998-2002**



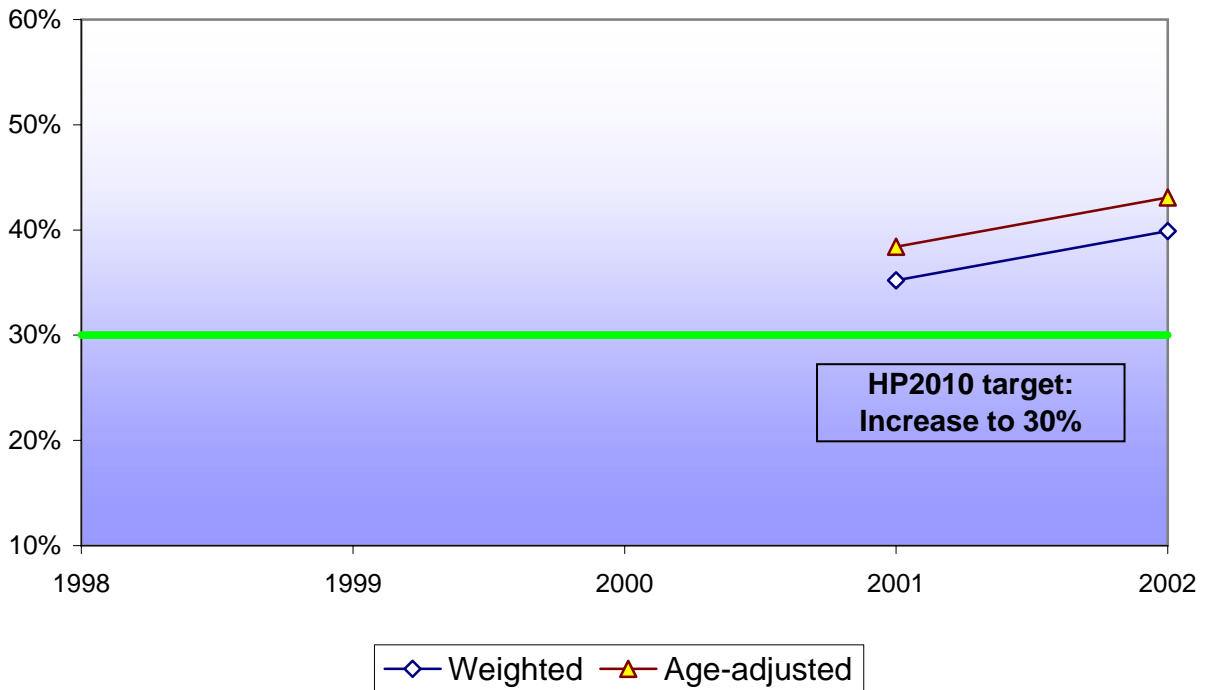
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				86	120
DO NOT MEET				105	90
TOTAL				191	210

PERCENT	1998	1999	2000	2001	2002
Weighted percent				48.0	57.2
C.I (95%)				(36.9 - 59.3)	(47.6 - 66.2)
Age-adjusted percent				44.4	51.8
C.I (95%)				(34.2 - 55.2)	(43.6 - 59.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-2/ SUPPLEMENT 9

**Percent of adults with less education  
who engage in moderate physical activity at least 5 days/week &  
30 minutes/day  
Hawaii, 1998-2002**



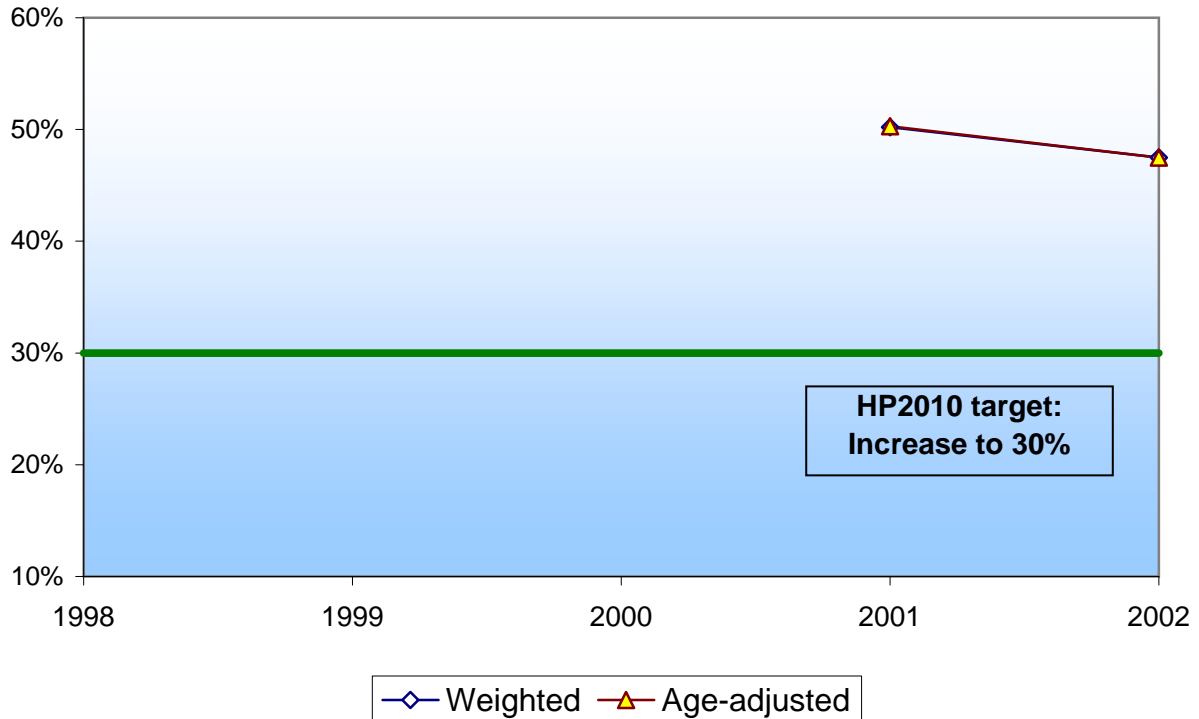
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				99	153
DO NOT MEET				179	217
TOTAL				278	370

PERCENT	1998	1999	2000	2001	2002
Weighted percent				35.2	39.9
C.I (95%)				(27.6 - 43.7)	(33.3 - 46.9)
Age-adjusted percent				38.4	43.1
C.I (95%)				(29.0 - 48.8)	(34.5 - 52.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-2/ SUPPLEMENT 10

**Percent of adults aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Honolulu county, Hawaii, 1998-2002**



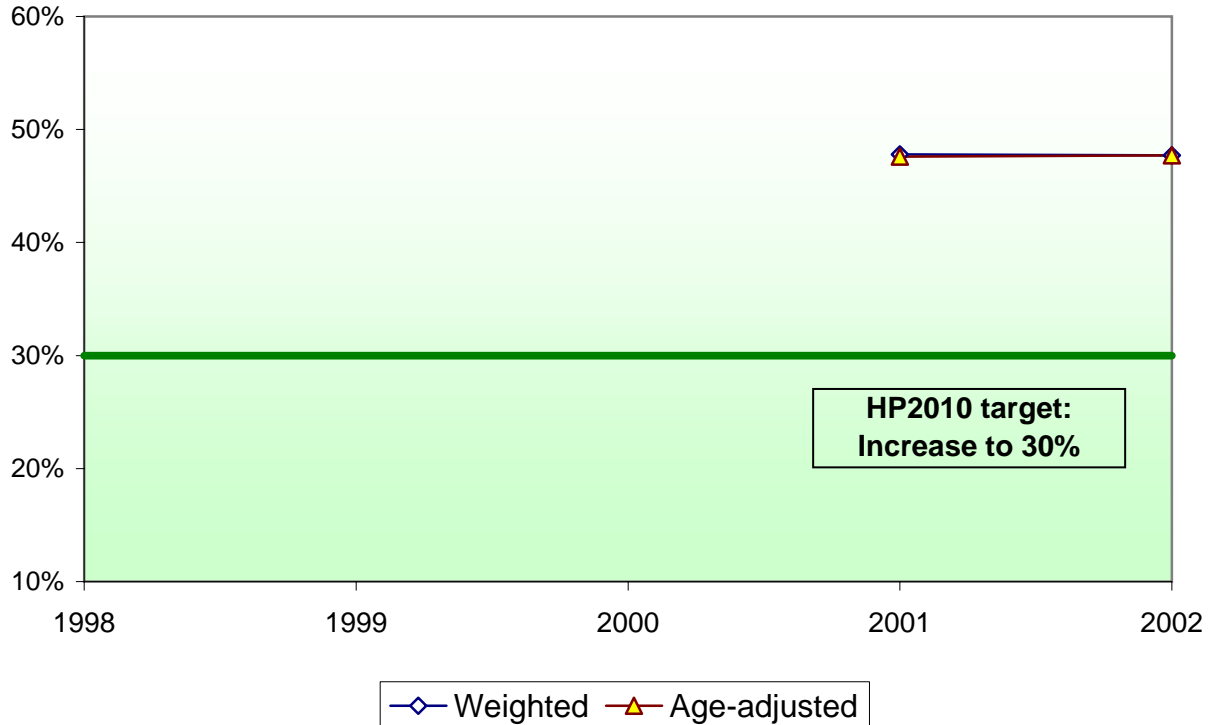
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				946	1334
DO NOT MEET				940	1459
TOTAL				1886	2793

PERCENT	1998	1999	2000	2001	2002
Weighted percent				50.2	47.5
C.I (95%)				(47.5 - 52.8)	(45.3 - 49.7)
Age-adjusted percent				50.3	47.5
C.I (95%)				(47.6 - 52.9)	(45.3 - 49.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-2/ SUPPLEMENT 11**

**Percent of adults aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Hawaii county, Hawaii, 1998-2002**



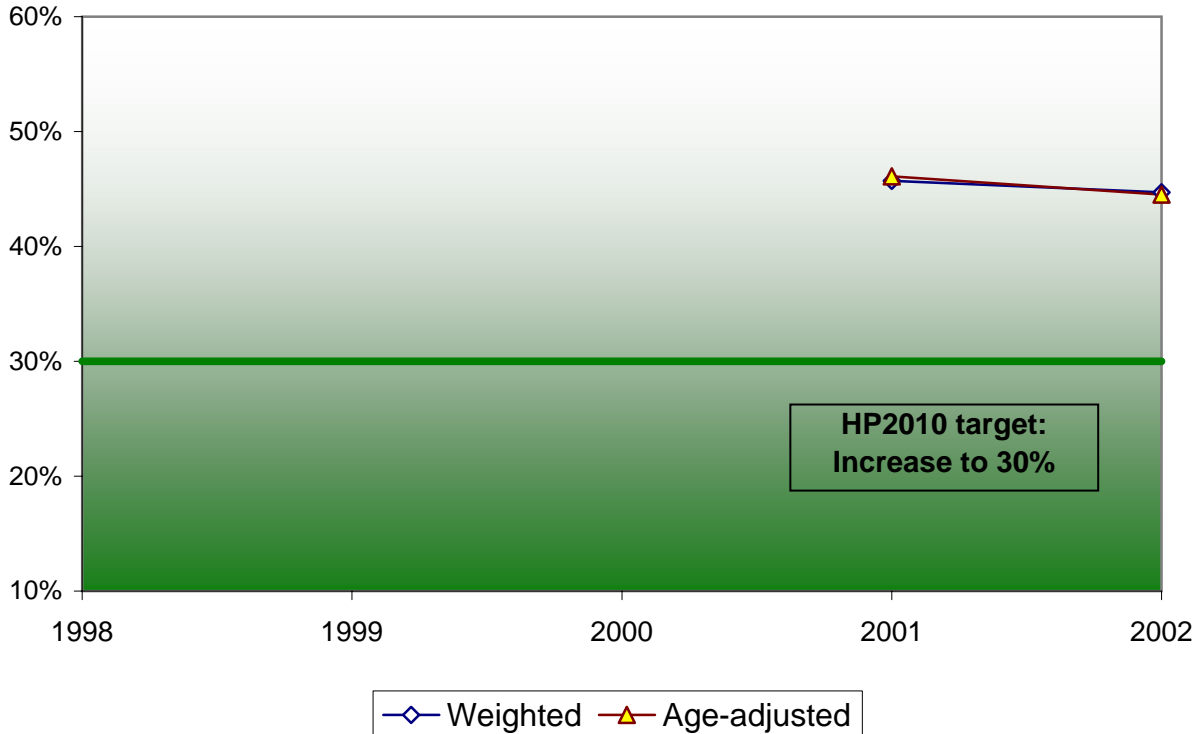
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				501	669
DO NOT MEET				497	692
TOTAL				998	1361

PERCENT	1998	1999	2000	2001	2002
Weighted percent				47.8	47.7
C.I (95%)				(44.3 - 51.3)	(44.4 - 51.1)
Age-adjusted percent				47.6	47.7
C.I (95%)				(44.1 - 51.1)	(44.5 - 50.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-2/ SUPPLEMENT 12

**Percent of adults aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Kauai county, Hawaii, 1998-2002**



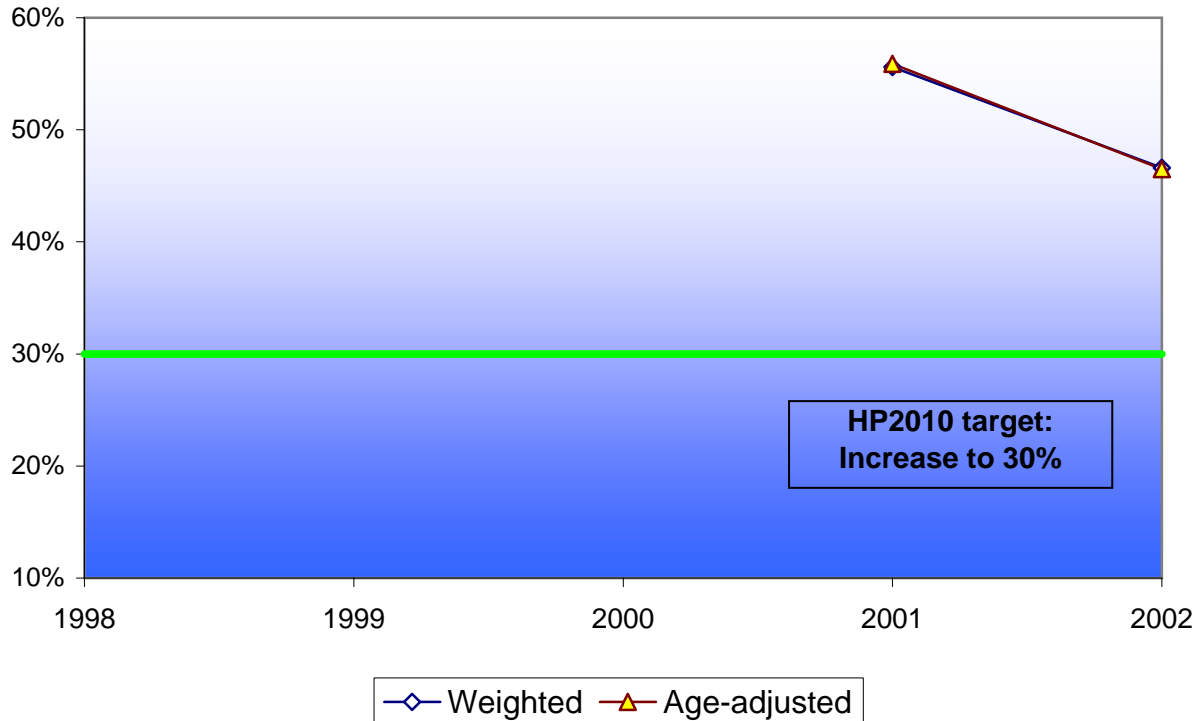
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				264	289
DO NOT MEET				281	307
TOTAL				545	596

PERCENT	1998	1999	2000	2001	2002
Weighted percent				45.7	44.7
C.I (95%)				(40.8 - 50.6)	(40.2 - 49.4)
Age-adjusted percent				46.1	44.5
C.I (95%)				(41.2 - 51.1)	(39.7 - 49.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-2/ SUPPLEMENT 13**

**Percent of adults aged 18+ who engage in moderate physical activity at least 5 days/week & 30 minutes/day  
Maui county, Hawaii, 1998-2002**



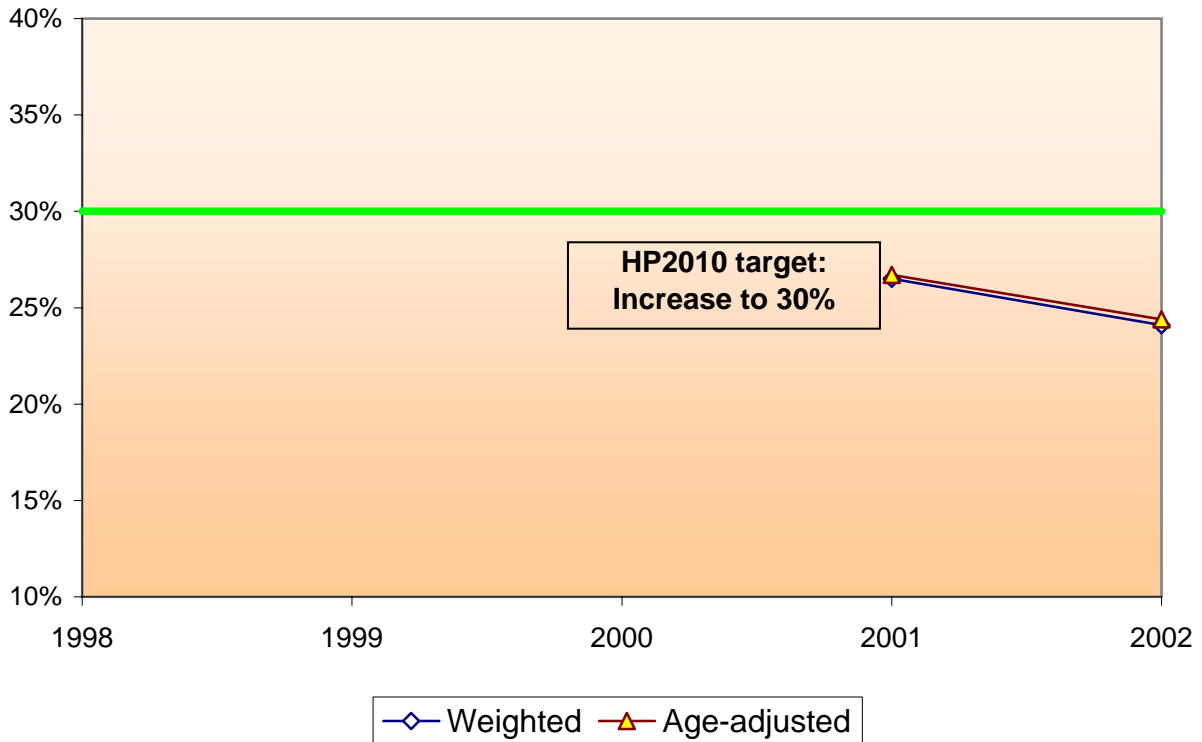
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				547	557
DO NOT MEET				455	643
TOTAL				1002	1200

PERCENT	1998	1999	2000	2001	2002
Weighted percent				55.6	46.6
C.I (95%)				(51.9 - 59.3)	(43.1 - 50.0)
Age-adjusted percent				55.9	46.5
C.I (95%)				(52.1 - 59.6)	(43.0 - 50.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-3**

**Percent of adults aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Hawaii, 1998-2002**



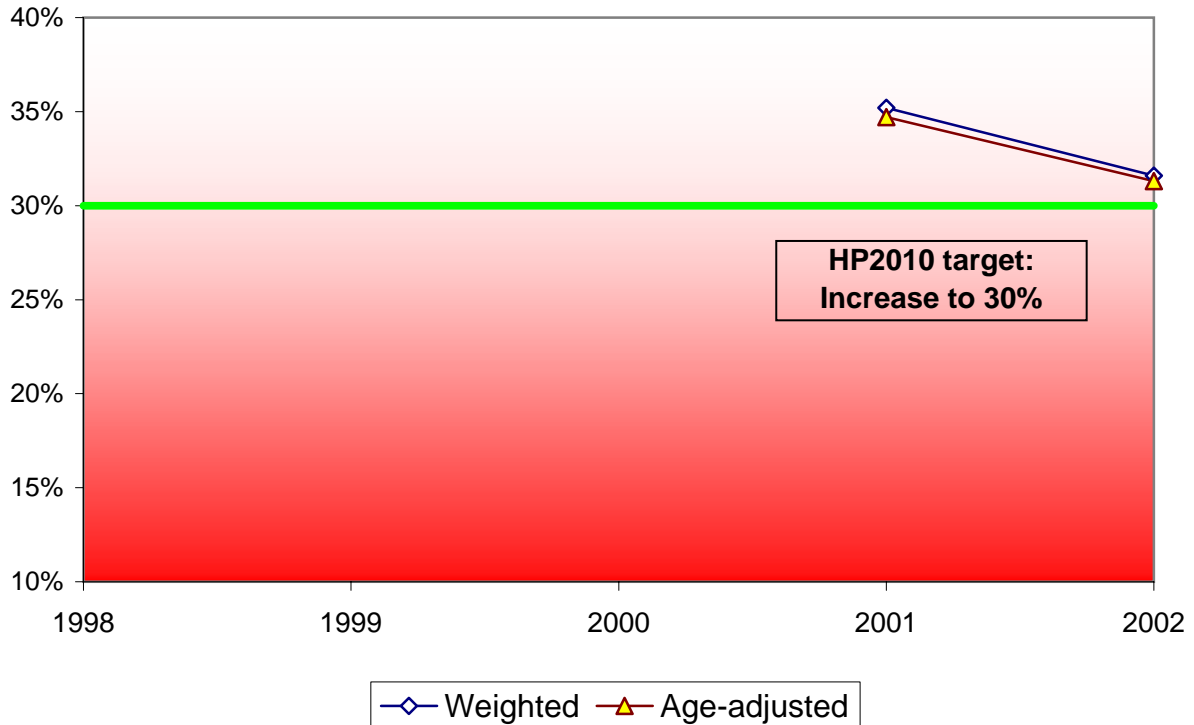
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				1183	1339
DO NOT MEET				3295	4635
TOTAL				4478	5974

PERCENT	1998	1999	2000	2001	2002
Weighted percent				26.5	24.1
C.I (95%)				(24.7 - 28.2)	(22.6 - 25.6)
Age-adjusted percent				26.7	24.4
C.I (95%)				(25.0 - 28.4)	(22.9 - 25.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-3/ SUPPLEMENT 1**

**Percent of men aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				680	763
DO NOT MEET				1245	1827
TOTAL				1925	2590

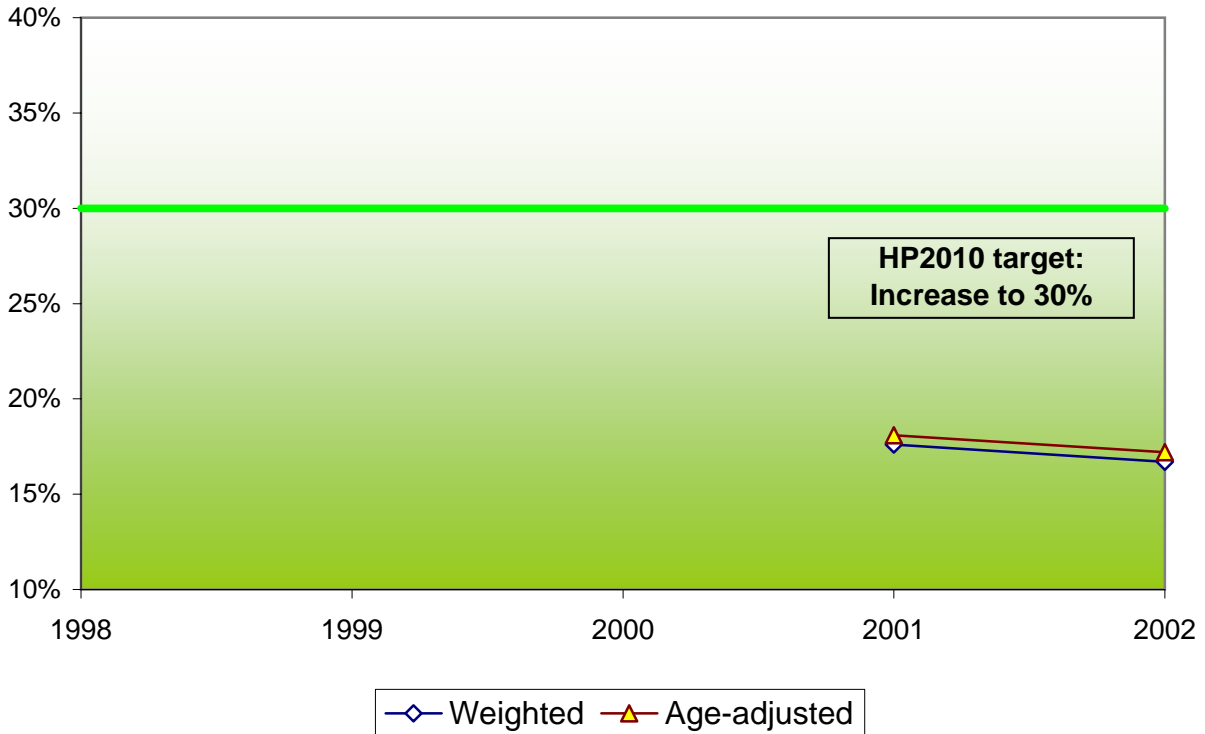
PERCENT	1998	1999	2000	2001	2002
Weighted percent				35.2	31.6
C.I (95%)				(32.4 - 38.1)	(29.2 - 34.1)
Age-adjusted percent				34.7	31.3
C.I (95%)				(32.0 - 37.6)	(29.0 - 33.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 22-3/ SUPPLEMENT 2

**Percent of women aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Hawaii, 1998-2002**



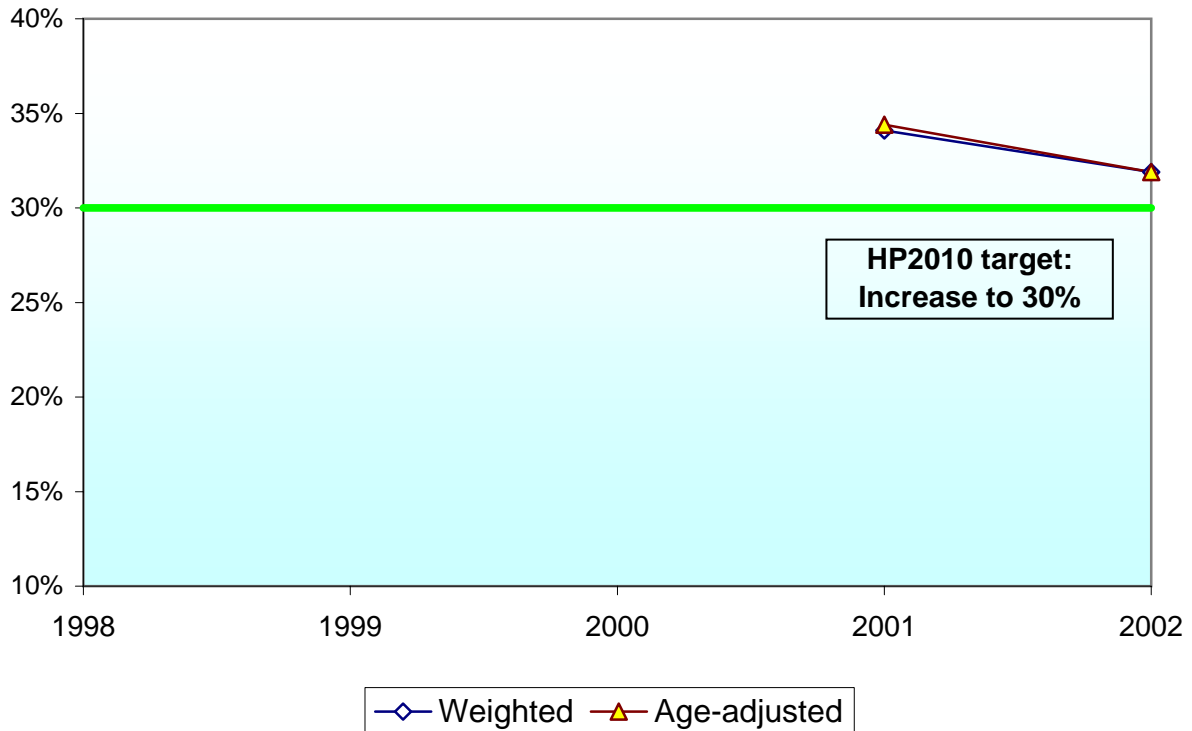
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				503	576
DO NOT MEET				2050	2808
TOTAL				2553	3384

PERCENT	1998	1999	2000	2001	2002
Weighted percent				17.6	16.7
C.I (95%)				(15.8 - 19.6)	(15.1 - 18.3)
Age-adjusted percent				18.1	17.2
C.I (95%)				(16.2 - 20.2)	(15.6 - 18.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-3/ SUPPLEMENT 3

**Percent of White adults aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				603	722
DO NOT MEET				1243	1744
TOTAL				1846	2466

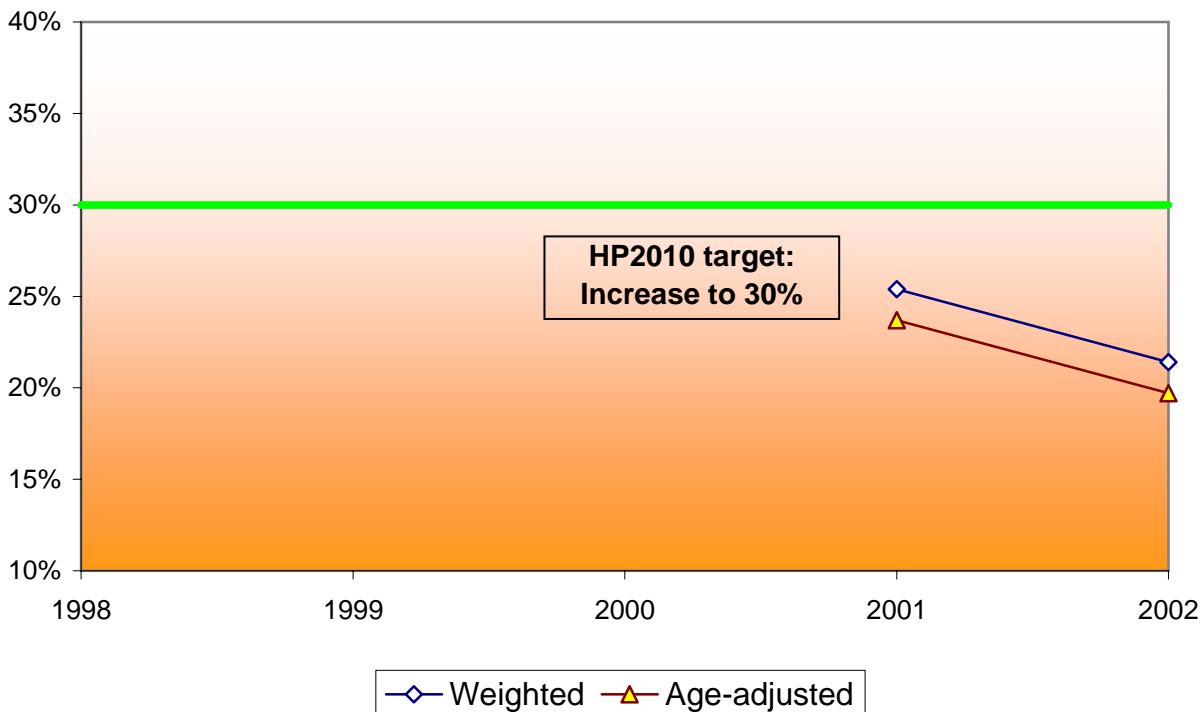
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent				34.1	31.9
C.I (95%)				(31.2 - 37.1)	(29.4 - 34.6)
Age-adjusted percent				34.4	31.9
C.I (95%)				(31.6 - 37.4)	(29.4 - 34.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-3/ SUPPLEMENT 4

**Percent of Hawaiians aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				143	144
DO NOT MEET				440	627
TOTAL				583	771

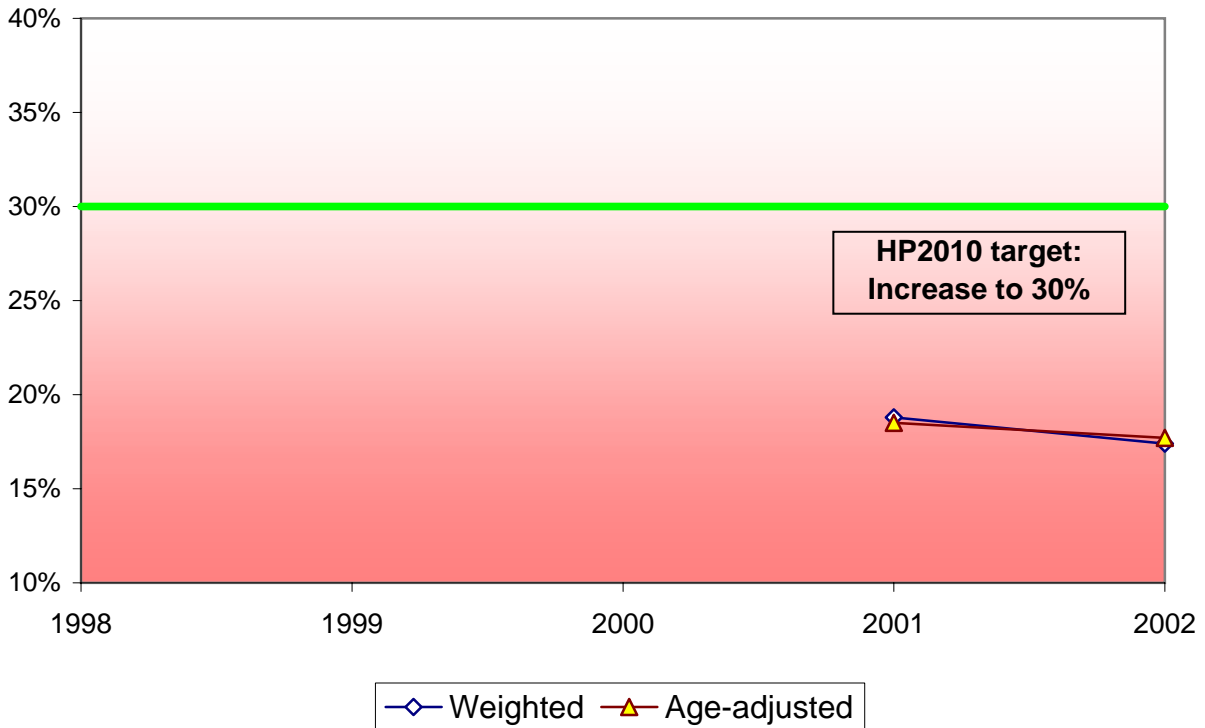
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent				25.4	21.4
C.I (95%)				(20.8 - 30.7)	(17.4 - 26.0)
Age-adjusted percent				23.7	19.7
C.I (95%)				(19.5 - 28.3)	(16.2 - 23.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-3/ SUPPLEMENT 5**

**Percent of Filipinos aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Hawaii, 1998-2002**



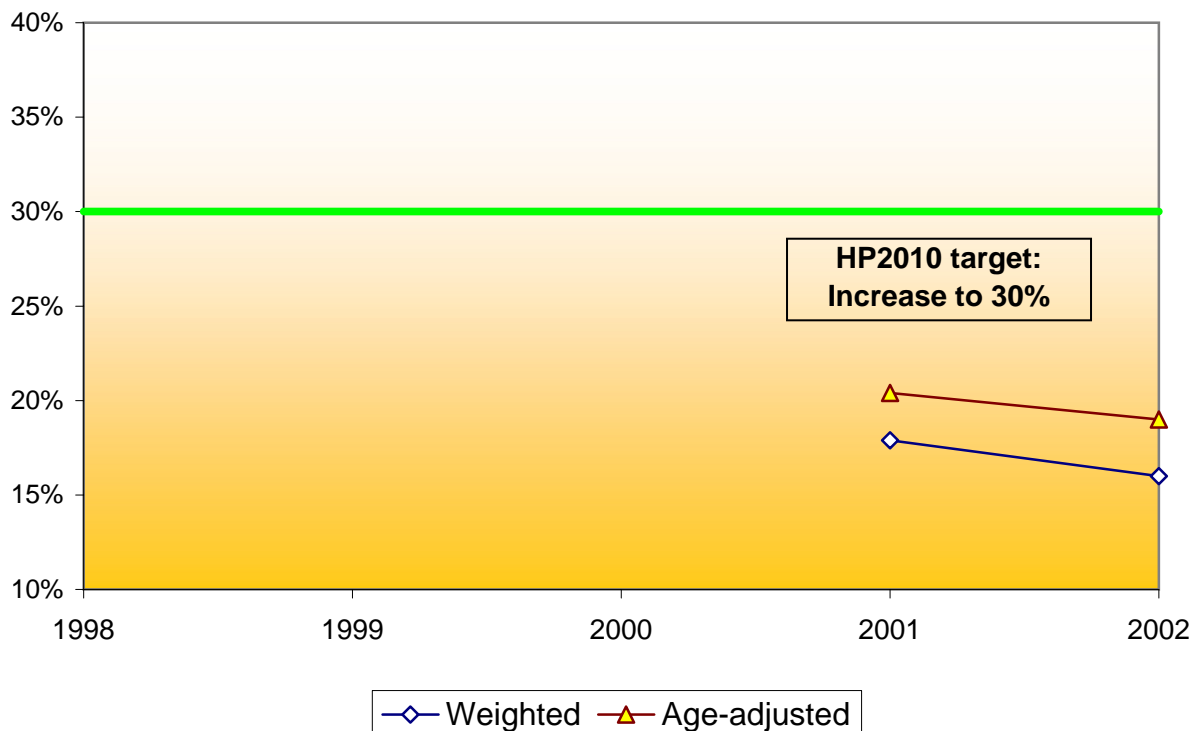
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				101	124
DO NOT MEET				445	647
TOTAL				546	771

PERCENT	1998	1999	2000	2001	2002
Weighted percent				18.8	17.4
C.I (95%)				(14.6 - 23.9)	(14.2 - 21.3)
Age-adjusted percent				18.5	17.7
C.I (95%)				(14.6 - 23.3)	(14.4 - 21.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-3/ SUPPLEMENT 6

**Percent of Japanese aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				151	161
DO NOT MEET				717	1004
TOTAL				868	1165

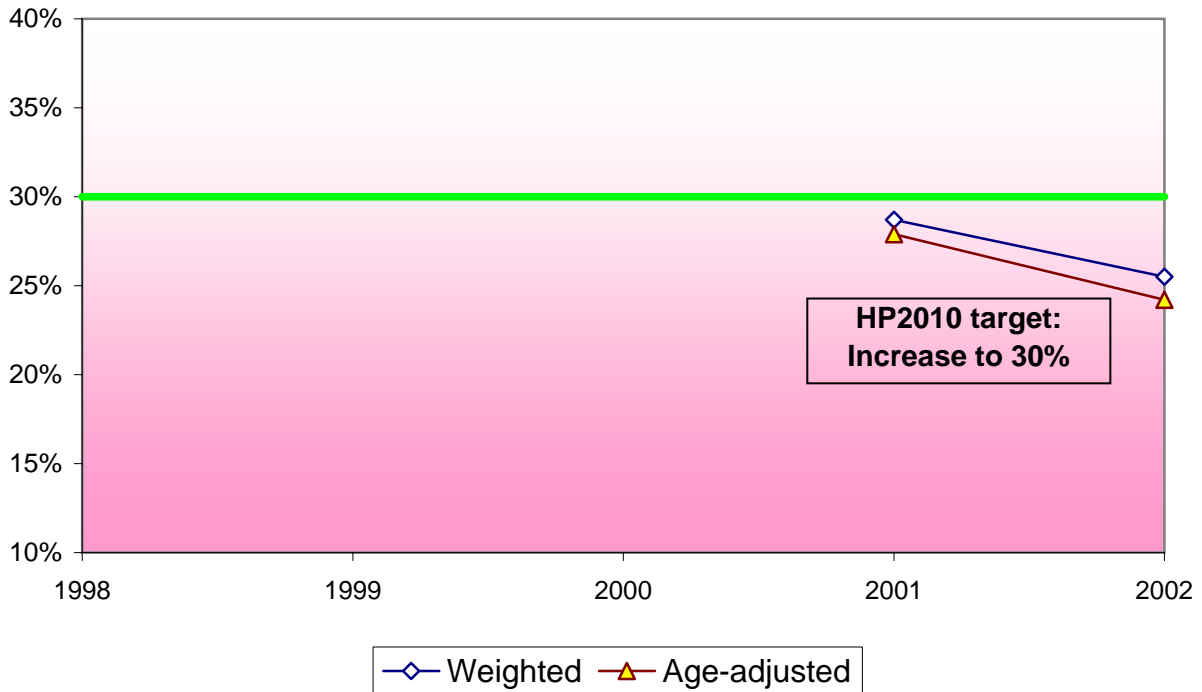
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent				17.9	16.0
C.I (95%)				(14.9 - 21.5)	(13.3 - 19.2)
Age-adjusted percent				20.4	19.0
C.I (95%)				(16.7 - 24.6)	(15.9 - 22.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 22-3/ SUPPLEMENT 7

**Percent of adults of other races aged 18+  
who engage in vigorous physical activity at least 3 days/week  
& 20 minutes/day  
Hawaii, 1998-2002**



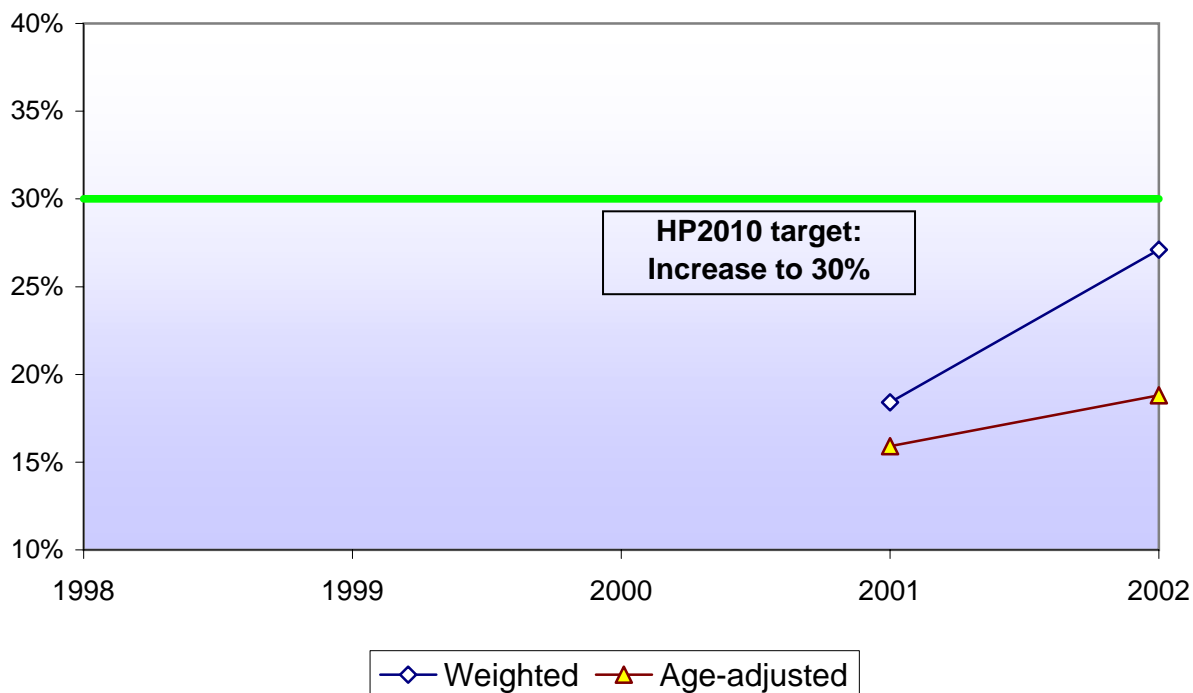
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				185	188
DO NOT MEET				450	613
TOTAL				635	801

PERCENT	1998	1999	2000	2001	2002
Weighted percent				28.7	25.5
C.I (95%)				(24.4 - 33.5)	(21.8 - 29.6)
Age-adjusted percent				27.9	24.2
C.I (95%)				(23.8 - 32.4)	(20.7 - 28.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-3/ SUPPLEMENT 8**

**Percent of adults aged 18+ in low income household  
who engage in vigorous physical activity at least 3 days/week &  
20 minutes/day  
Hawaii, 1998-2002**



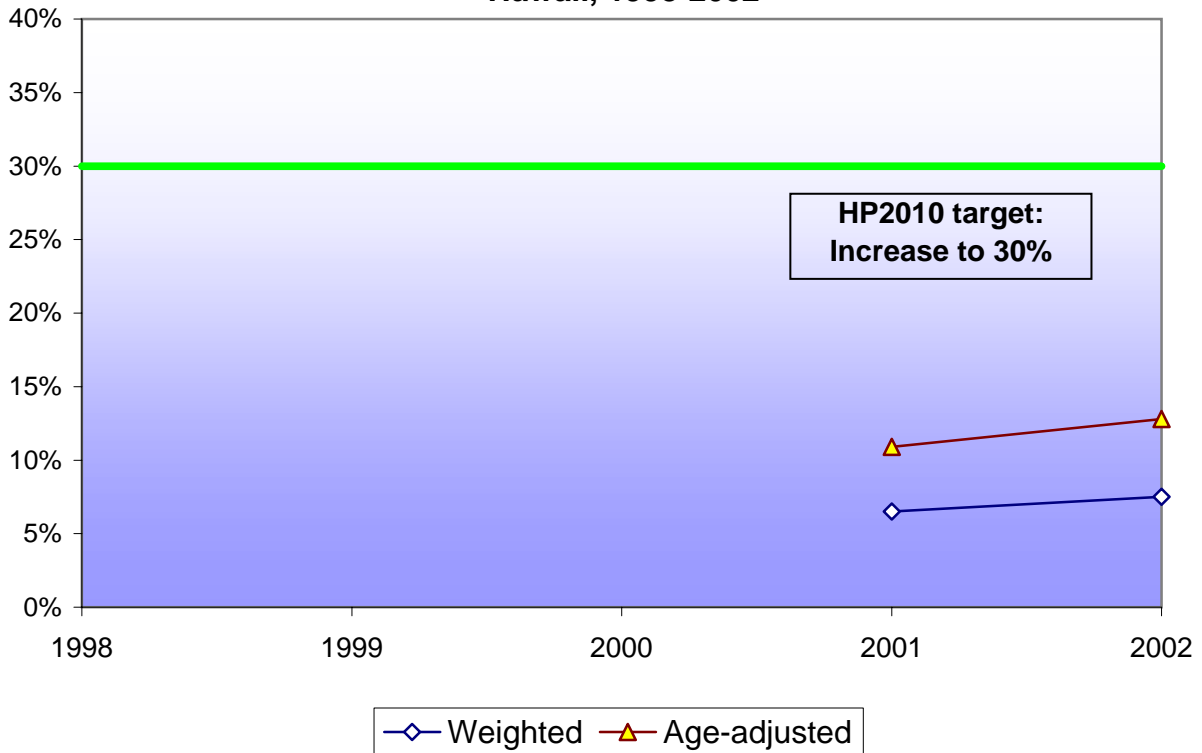
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				41	51
DO NOT MEET				151	159
TOTAL				192	210

PERCENT	1998	1999	2000	2001	2002
Weighted percent				18.4	27.1
C.I (95%)				(12.3 - 26.4)	(18.4 - 37.9)
Age-adjusted percent				15.9	18.8
C.I (95%)				(10.5 - 23.4)	(13.7 - 25.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-3/ SUPPLEMENT 9**

**Percent of adults with less education who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				18	26
DO NOT MEET				263	348
TOTAL				281	374

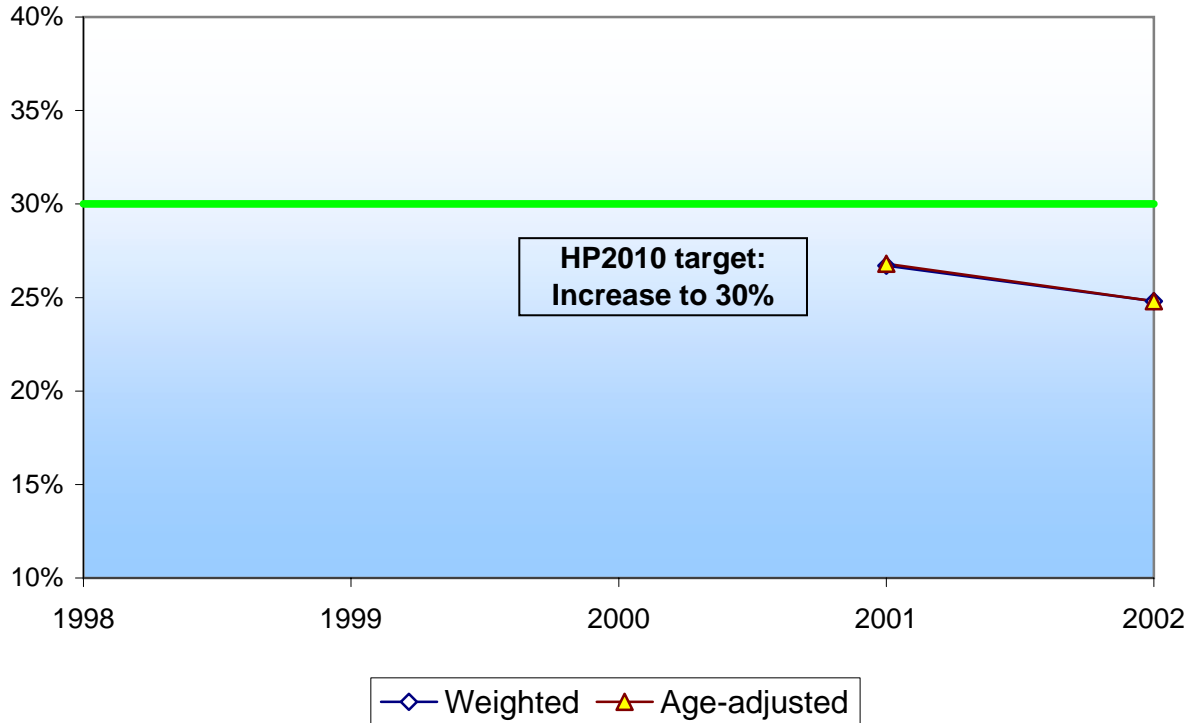
PERCENT	1998	1999	2000	2001	2002
Weighted percent				6.5	7.5
C.I (95%)				(3.5 - 11.7)	(4.6 - 12.0)
Age-adjusted percent				10.9	12.8
C.I (95%)				(6.2 - 18.4)	(7.6 - 20.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 22-3/ SUPPLEMENT 10**

**Percent of adults aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Honolulu county, Hawaii, 1998-2002**



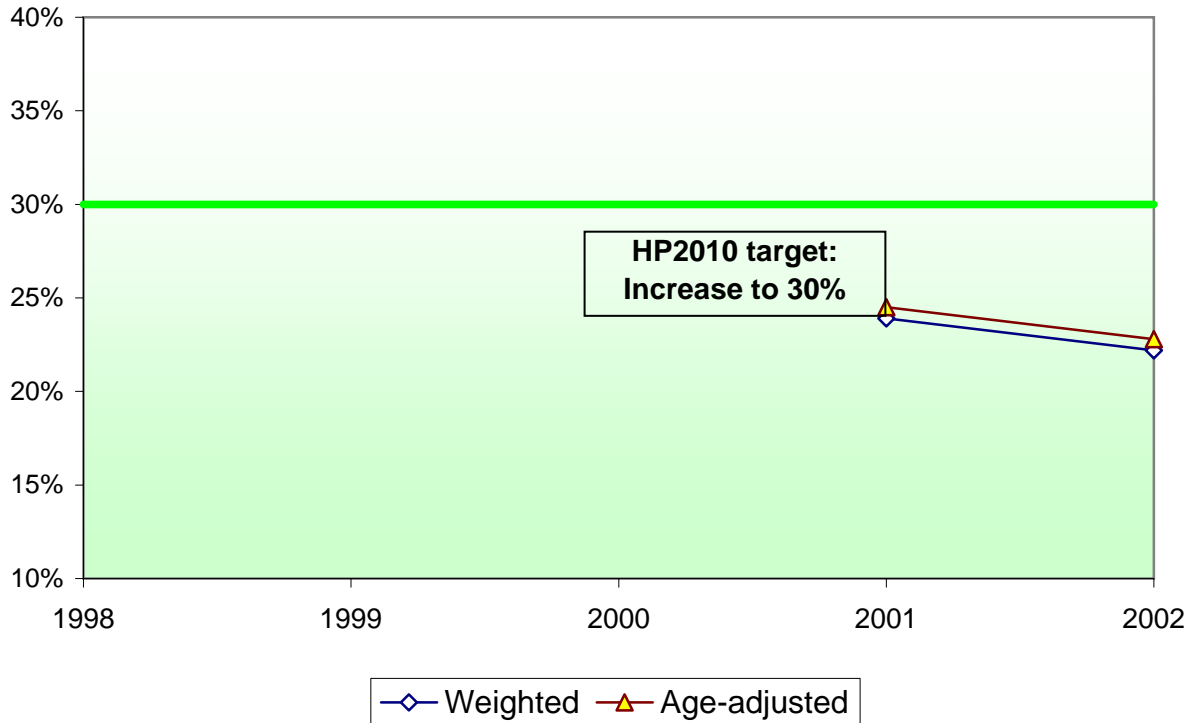
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				519	648
DO NOT MEET				1389	2159
TOTAL				1908	2807

PERCENT	1998	1999	2000	2001	2002
Weighted percent				26.7	24.8
C.I (95%)				(24.5 - 29.1)	(22.9 - 26.8)
Age-adjusted percent				26.8	24.8
C.I (95%)				(24.6 - 29.1)	(23.0 - 26.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-3/ SUPPLEMENT 11**

**Percent of adults aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Hawaii county, Hawaii, 1998-2002**



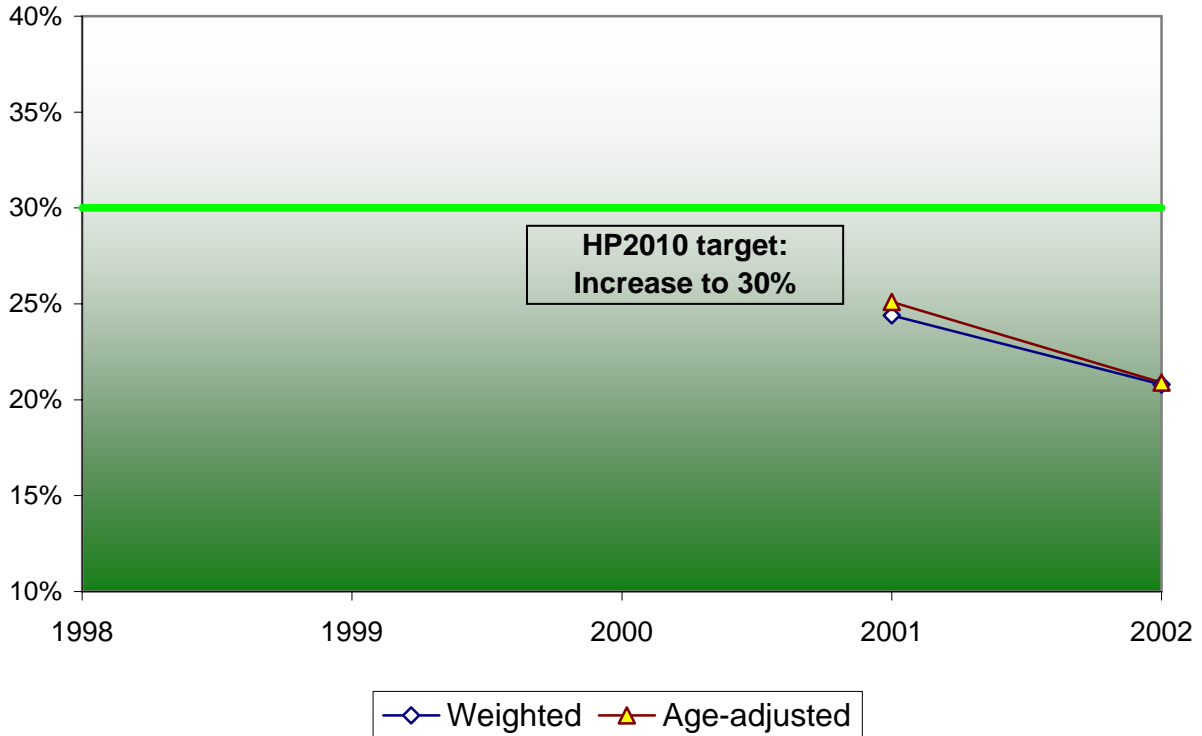
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				249	296
DO NOT MEET				767	1070
TOTAL				1016	1366

PERCENT	1998	1999	2000	2001	2002
Weighted percent				23.9	22.2
C.I (95%)				(21.1 - 27.0)	(19.6 - 24.9)
Age-adjusted percent				24.5	22.8
C.I (95%)				(21.6 - 27.7)	(20.1 - 25.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-3/ SUPPLEMENT 12**

**Percent of adults aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Kauai county, Hawaii, 1998-2002**



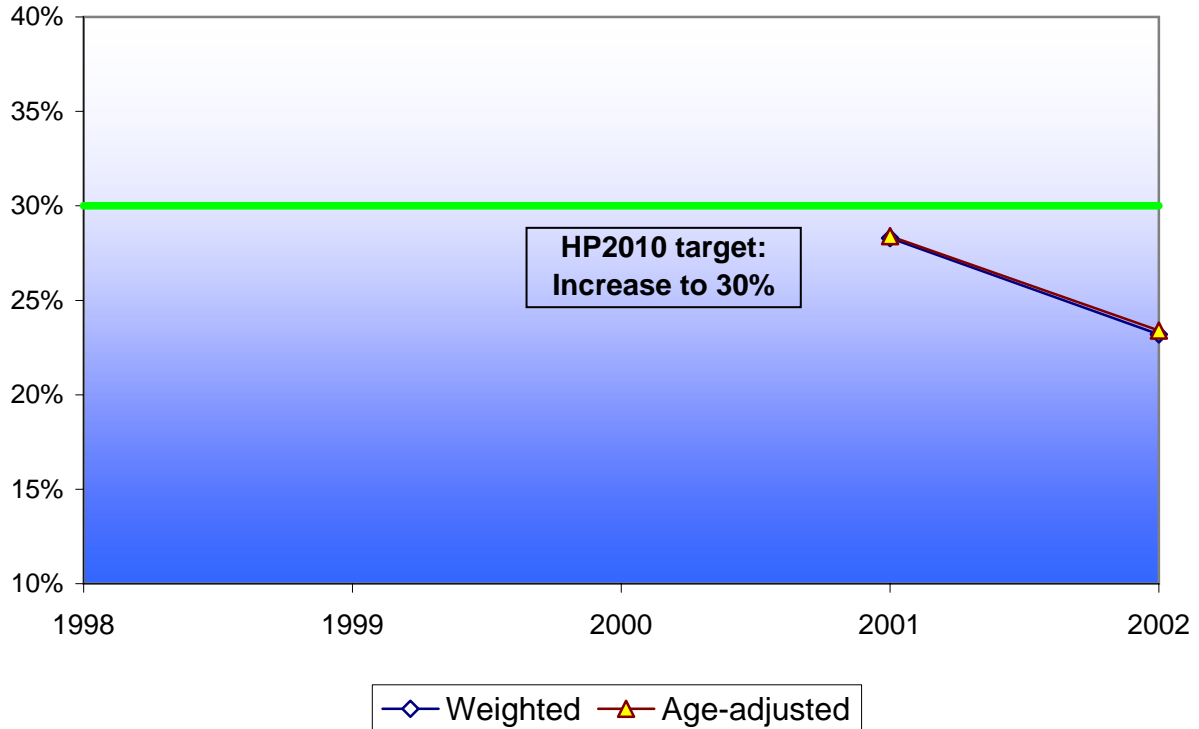
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				133	137
DO NOT MEET				413	461
TOTAL				546	598

PERCENT	1998	1999	2000	2001	2002
Weighted percent				24.4	20.8
C.I (95%)				(20.3 - 29.0)	(17.4 - 24.6)
Age-adjusted percent				25.1	20.9
C.I (95%)				(20.9 - 29.8)	(17.4 - 25.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 22-3/ SUPPLEMENT 13**

**Percent of adults aged 18+ who engage in vigorous physical activity at least 3 days/week & 20 minutes/day  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
MEET THE STANDARD				282	258
DO NOT MEET				726	945
TOTAL				1008	1203

PERCENT	1998	1999	2000	2001	2002
Weighted percent				28.3	23.2
C.I (95%)				(24.9 - 31.8)	(20.4 - 26.3)
Age-adjusted percent				28.4	23.4
C.I (95%)				(25.1 - 32.0)	(20.6 - 26.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

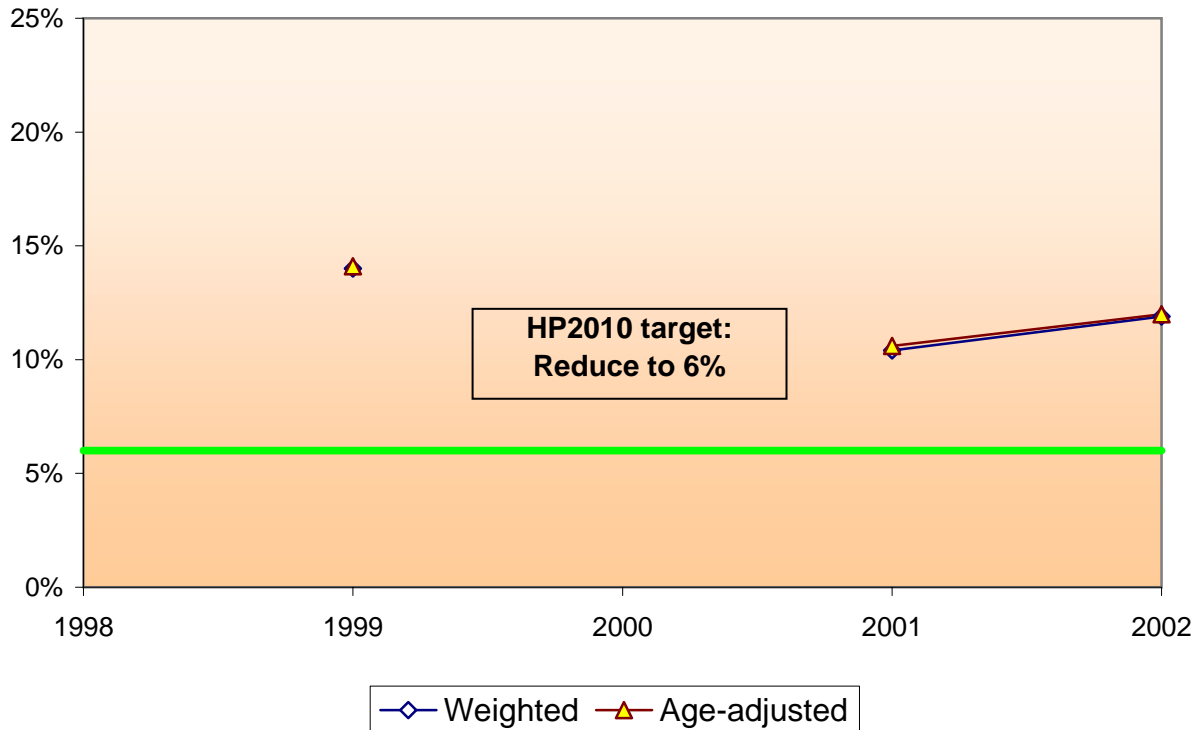
## **SUBSTANCE ABUSE**

### **Objective 26-11c**

*Reduce the proportion of persons engaging in binge drinking of alcoholic beverages to **6%**.*

## **OBJECTIVE 26-11c**

**Percent of adults aged 18+ who engage in binge drinking of alcoholic beverages  
Hawaii, 1998-2002**



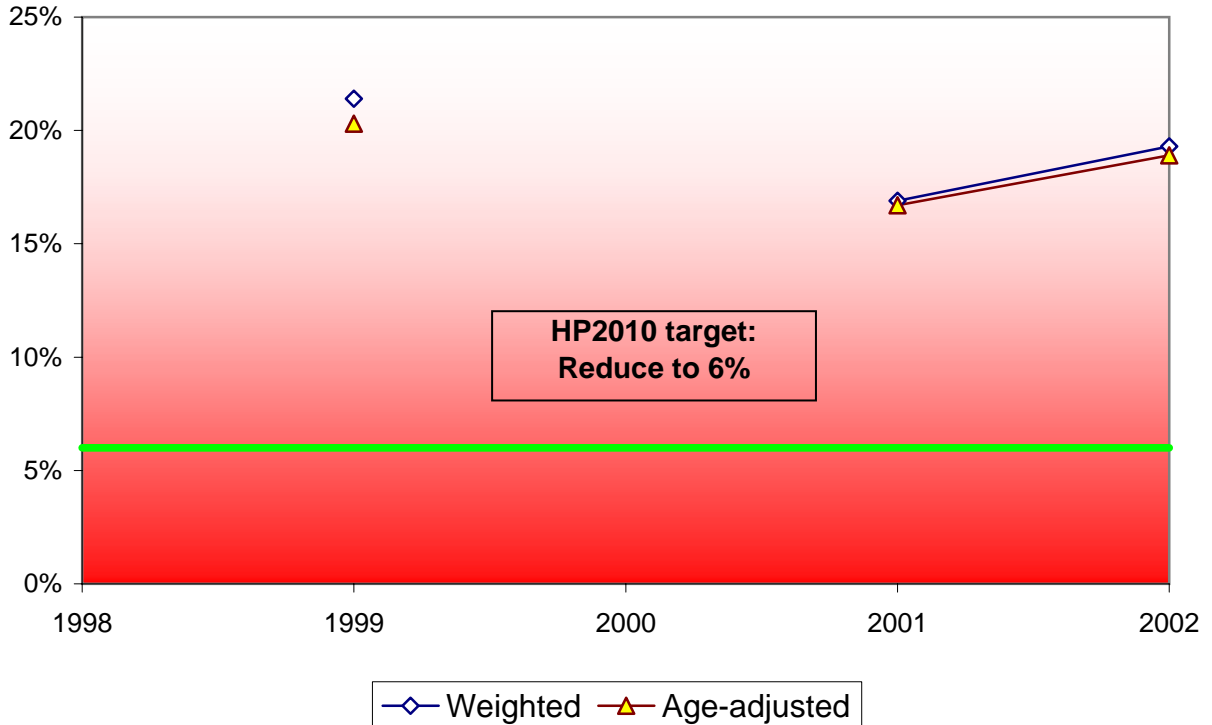
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		301		446	653
NOT		1835		4006	5259
TOTAL		2136		4452	5912

PERCENT	1998	1999	2000	2001	2002
Weighted percent		14.0		10.4	11.9
C.I (95%)		(12.2 - 16.0)		(9.2 - 11.8)	(10.8 - 13.1)
Age-adjusted percent		14.1		10.6	12.0
C.I (95%)		(12.2 - 16.1)		(9.4 - 12.0)	(10.9 - 13.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 26-11c/ SUPPLEMENT 1

**Percent of men aged 18+ who engage in binge drinking of alcoholic beverages  
Hawaii, 1998-2002**



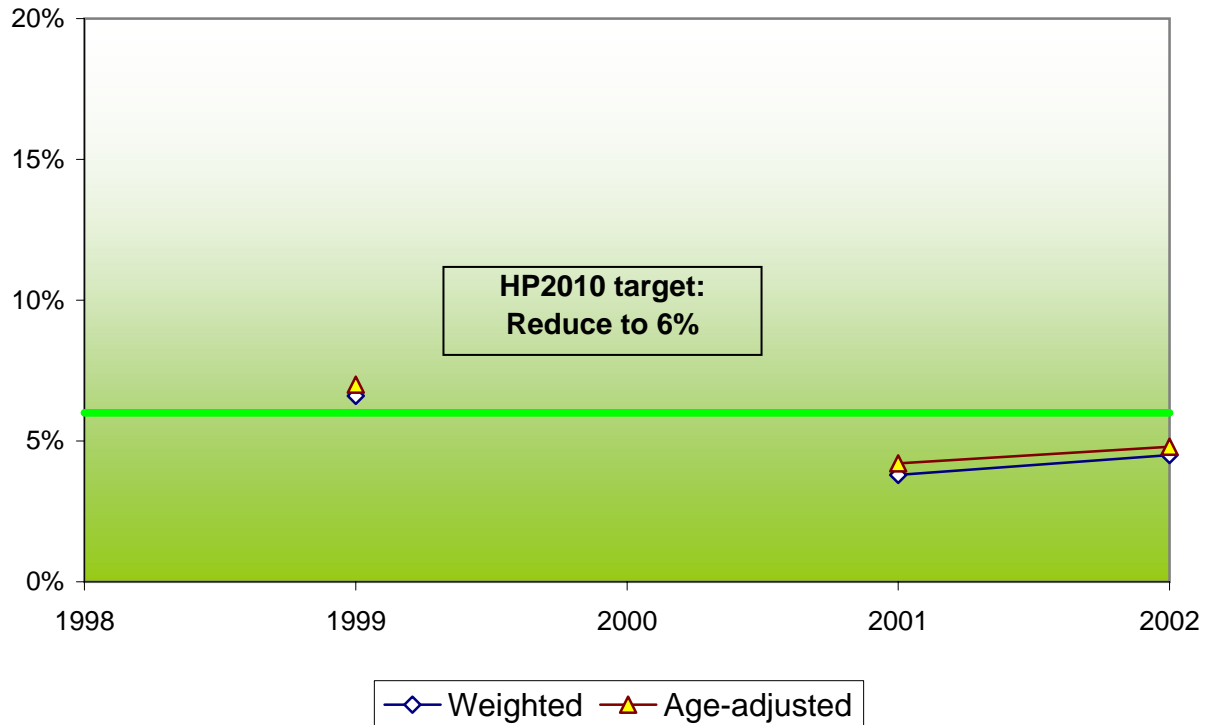
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		224		342	489
NOT		753		1566	2071
TOTAL		977		1908	2560

PERCENT	1998	1999	2000	2001	2002
Weighted percent		21.4		16.9	19.3
C.I (95%)		(18.3 - 24.8)		(14.8 - 19.3)	(17.3 - 21.6)
Age-adjusted percent		20.3		16.7	18.9
C.I (95%)		(17.9 - 24.2)		(14.6 - 19.1)	(17.0 - 21.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 26-11c/ SUPPLEMENT 2

**Percent of women aged 18+ who engage in binge drinking of alcoholic beverages  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		77		104	164
NOT		1082		2440	3188
TOTAL		1159		2544	3352

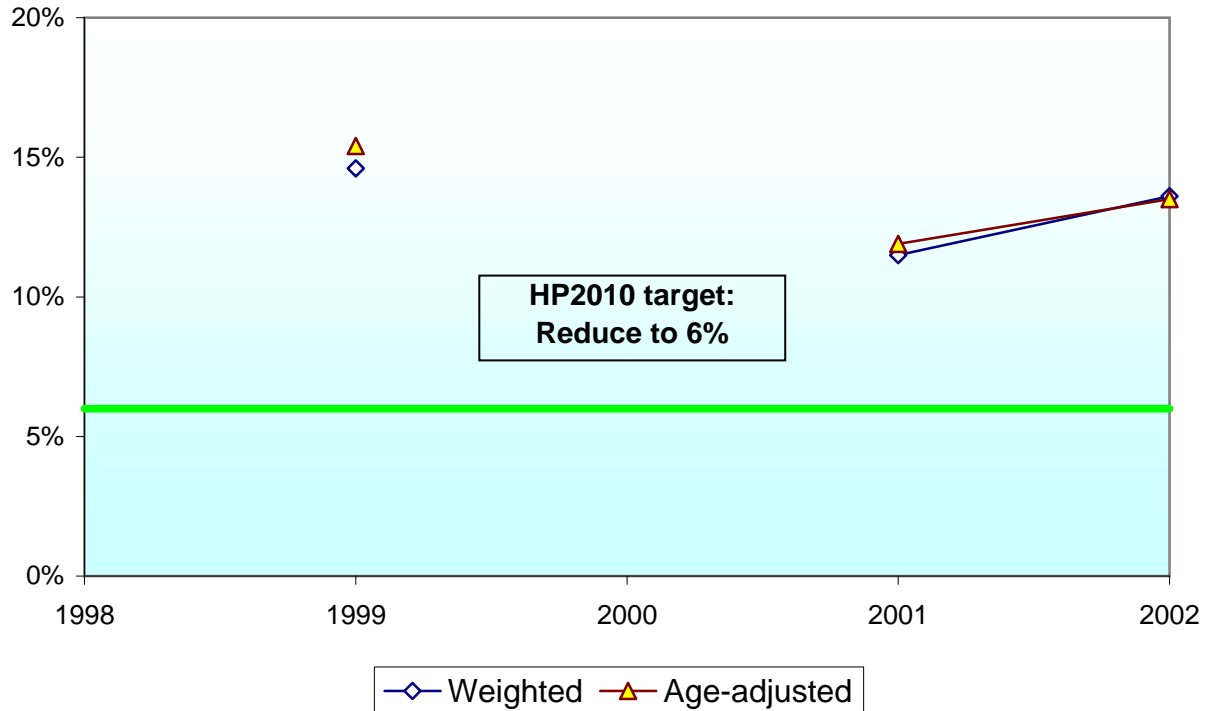
PERCENT	1998	1999	2000	2001	2002
Weighted percent		6.6		3.8	4.5
C.I (95%)		(5.0 - 8.7)		(2.9 - 5.0)	(3.7 - 5.4)
Age-adjusted percent		7.0		4.2	4.8
C.I (95%)		(5.3 - 9.3)		(3.2 - 4.5)	(4.0 - 5.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## **OBJECTIVE 26-11c/ SUPPLEMENT 3**

**Percent of White adults aged 18+ who engage in binge drinking of alcoholic beverages  
Hawaii, 1998-2002**



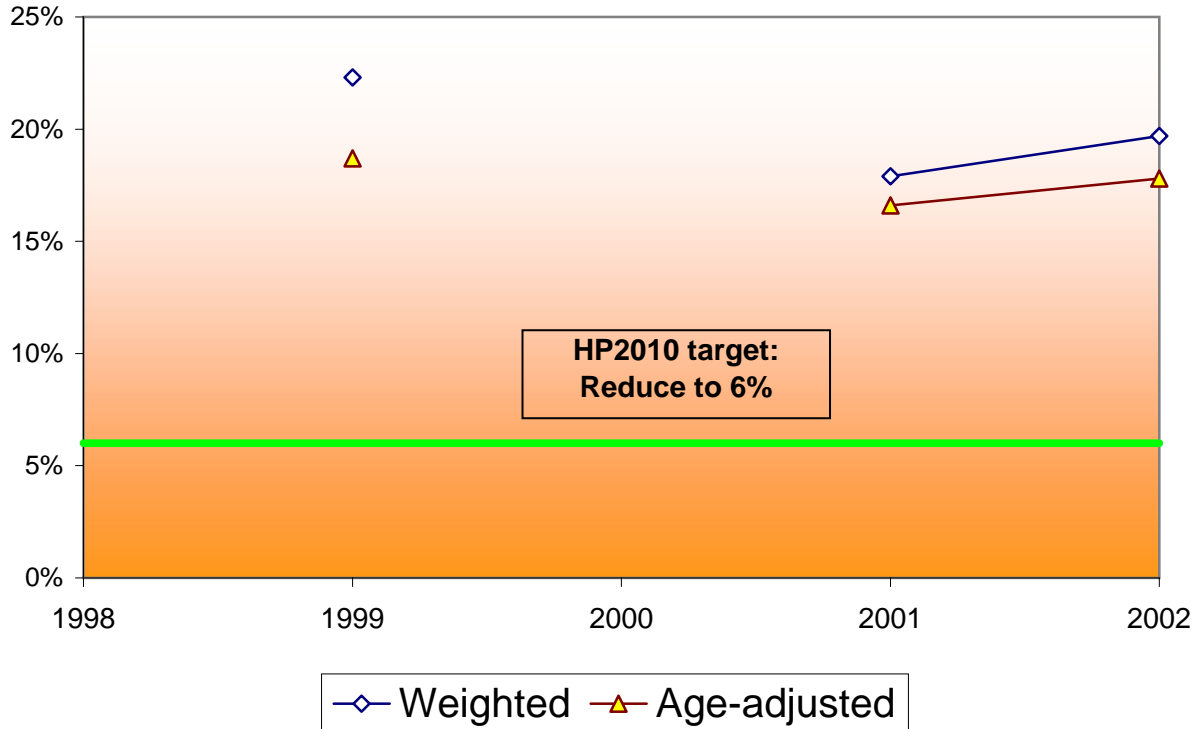
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		70		195	298
NOT		423		1643	2139
TOTAL		493		1838	2437

PERCENT	1998	1999	2000	2001	2002
Weighted percent		14.6		11.5	13.6
C.I (95%)		(11.0 - 19.2)		(10.6 - 13.7)	(11.6 - 15.9)
Age-adjusted percent		15.4		11.9	13.5
C.I (95%)		(11.6 - 20.1)		(10.0 - 14.1)	(11.5 - 15.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 26-11c/ SUPPLEMENT 4

**Percent of Hawaiians aged 18+ who engage in binge drinking of alcoholic beverages Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		47		85	135
NOT		170		491	623
TOTAL		217		576	758

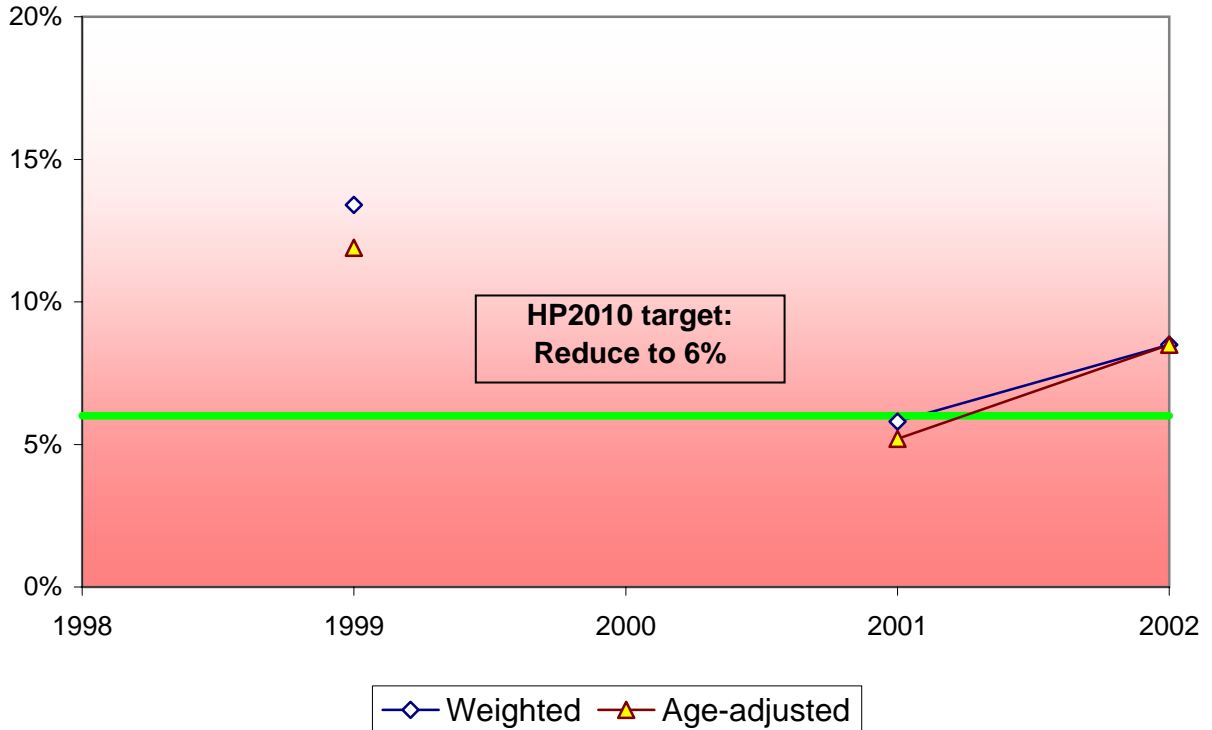
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		22.3		17.9	19.7
C.I (95%)		(15.9 - 30.3)		(13.7 - 23.6)	(15.8 - 24.2)
Age-adjusted percent		18.7		16.6	17.8
C.I (95%)		(13.3 - 25.6)		(12.7 - 21.5)	(14.4 - 21.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 26-11c/ SUPPLEMENT 5**

**Percent of Filipinos aged 18+ who engage in binge drinking of alcoholic beverages  
Hawaii, 1998-2002**



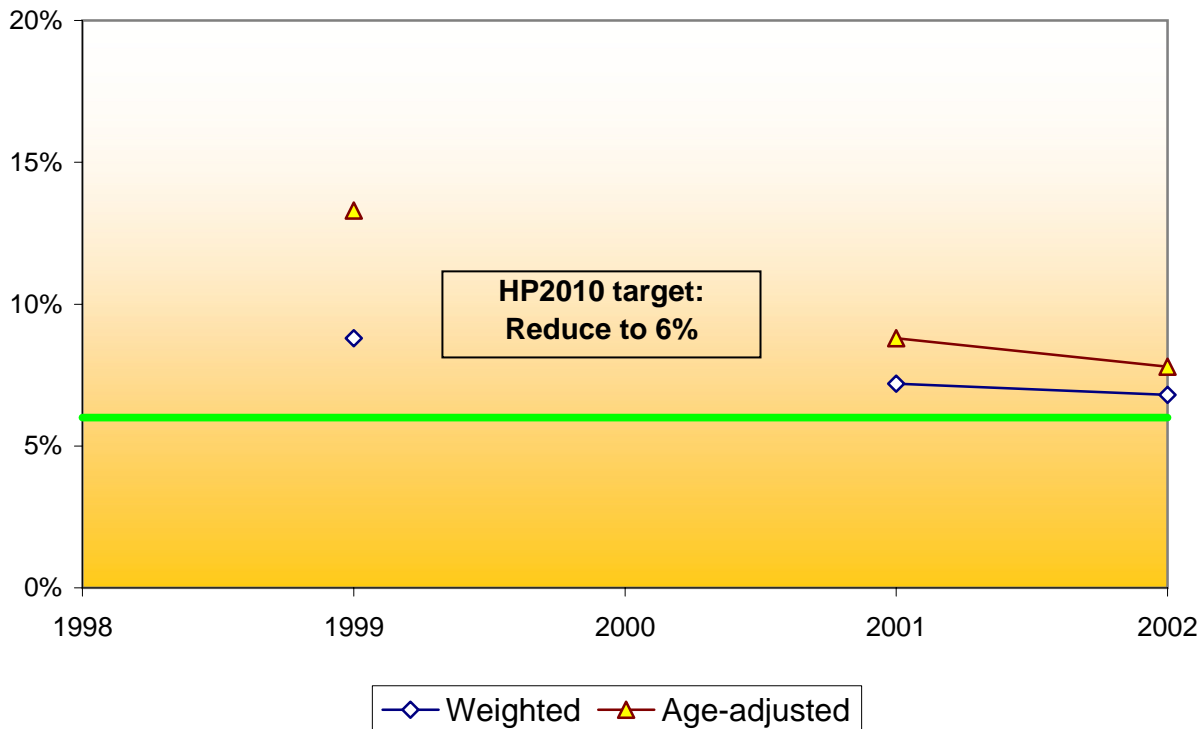
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		22		39	62
NOT		143		502	704
TOTAL		165		541	766

PERCENT	1998	1999	2000	2001	2002
Weighted percent		13.4		5.8	8.5
C.I (95%)		(8.2 - 21.1)		(3.7 - 9.1)	(6.2 - 11.4)
Age-adjusted percent		11.9		5.2	8.5
C.I (95%)		(7.1 - 19.2)		(3.3 - 8.0)	(6.3 - 11.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 26-11c/ SUPPLEMENT 6**

**Percent of Japanese aged 18+ who engage in binge drinking of alcoholic beverages  
Hawaii, 1998-2002**



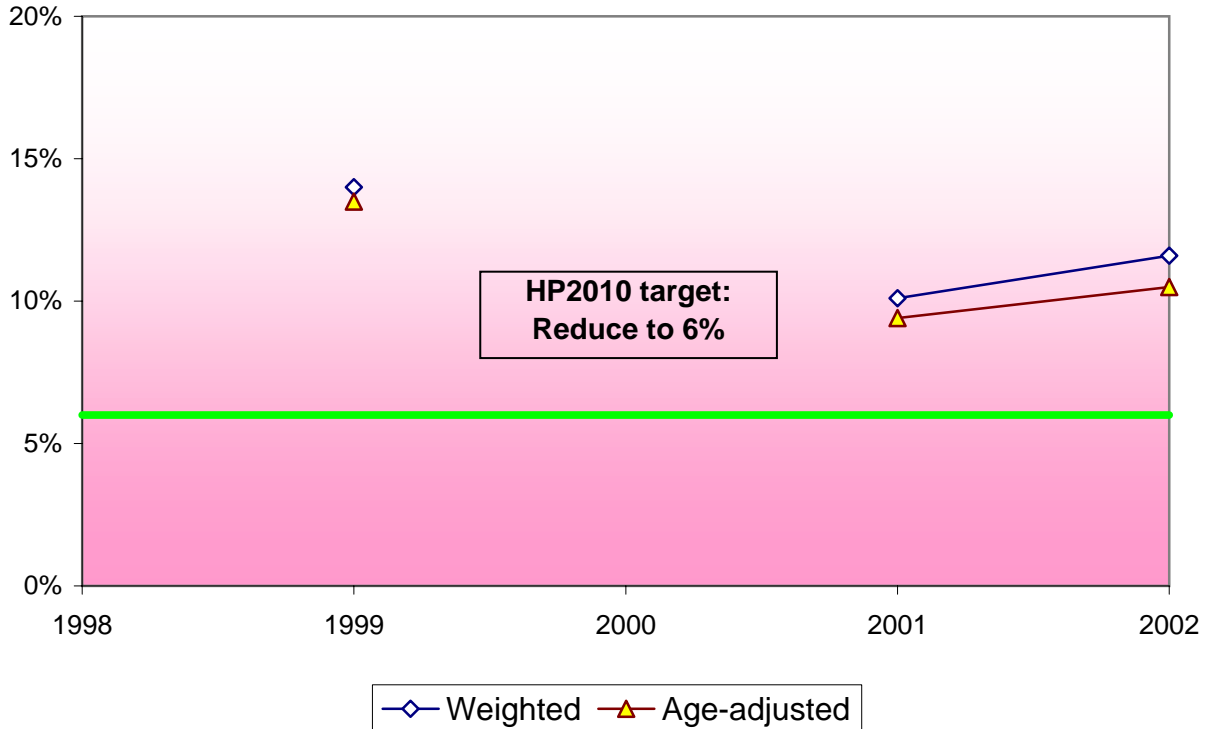
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		38		62	70
NOT		305		801	1089
TOTAL		343		863	1159

PERCENT	1998	1999	2000	2001	2002
Weighted percent		8.8		7.2	6.8
C.I (95%)		(5.9 - 13.1)		(5.2 - 10.0)	(5.1 - 9.1)
Age-adjusted percent		13.3		8.8	7.8
C.I (95%)		(10.9 - 16.7)		(6.2 - 12.4)	(5.8 - 10.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 26-11c/ SUPPLEMENT 7**

**Percent of adults of other races aged 18+ who engage in binge drinking of alcoholic beverages Hawaii, 1998-2002**



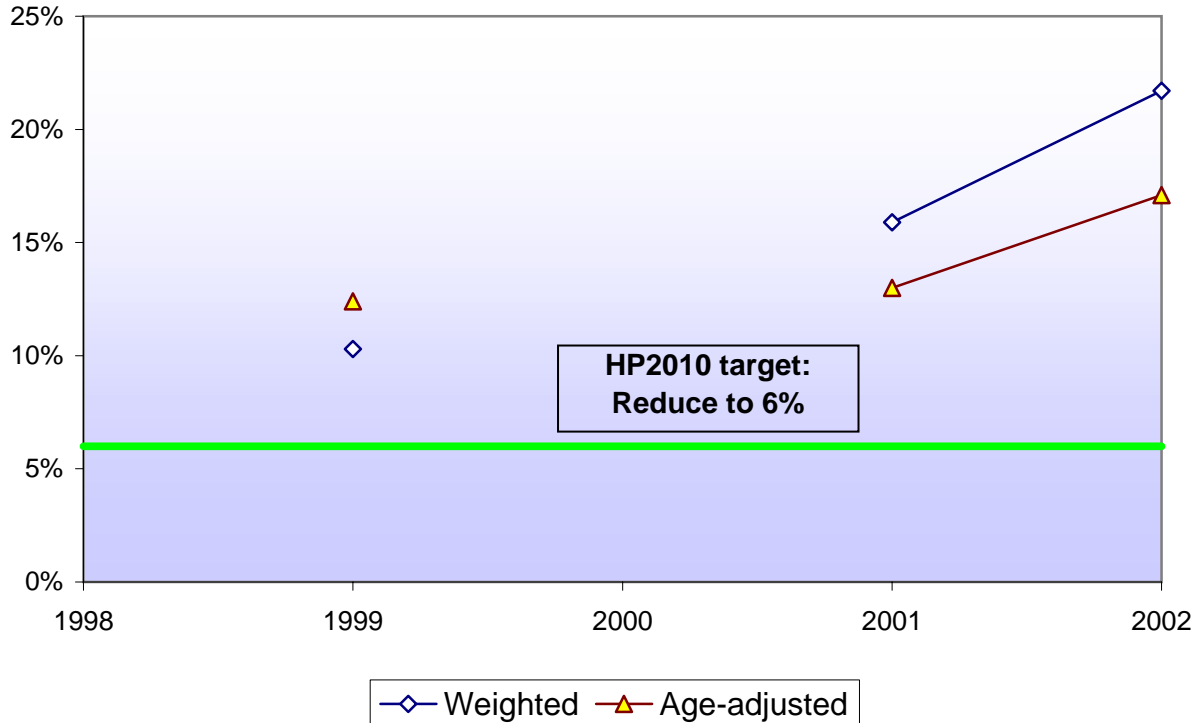
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		124		65	88
NOT		794		569	704
TOTAL		918		634	792

PERCENT	1998	1999	2000	2001	2002
Weighted percent		14.0		10.1	11.6
C.I (95%)		(11.3 - 17.4)		(7.4 - 13.8)	(9.1 - 14.7)
Age-adjusted percent		13.5		9.4	10.5
C.I (95%)		(10.9 - 16.7)		(7.0 - 12.5)	(8.3 - 13.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 26-11c/ SUPPLEMENT 8**

**Percent of adults aged 18+ in low income household who engage in binge drinking of alcoholic beverages  
Hawaii, 1998-2002**



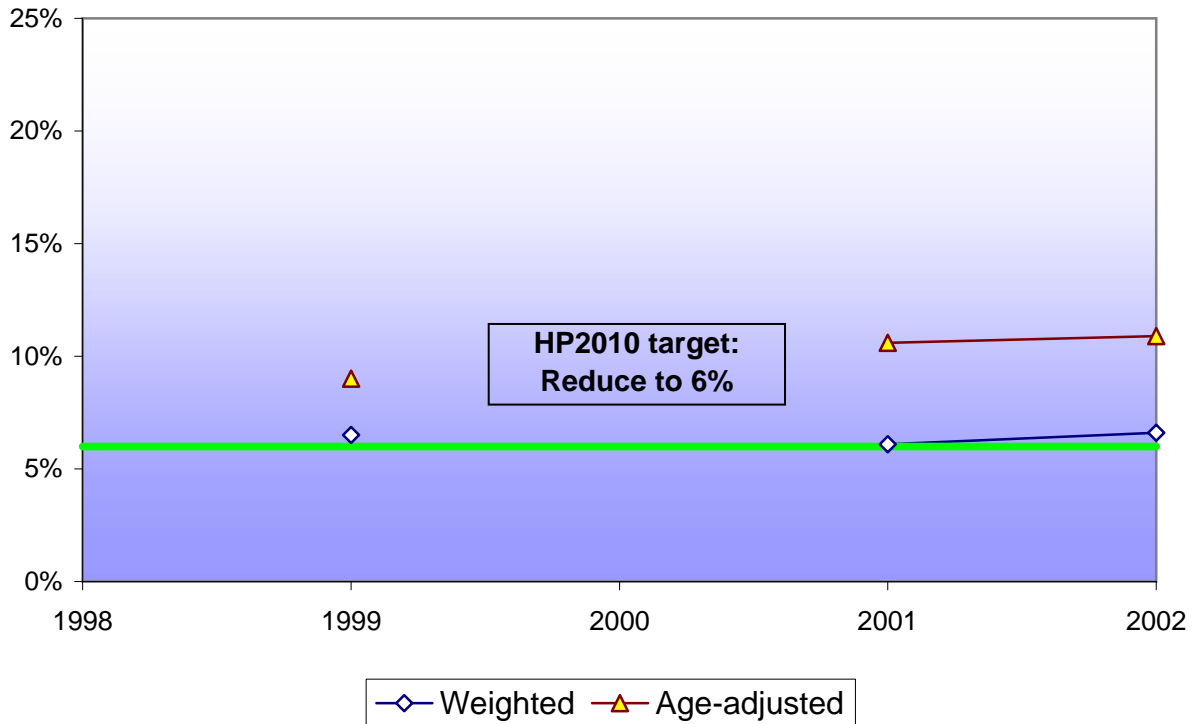
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		13		28	24
NOT		86		165	185
TOTAL		99		193	209

PERCENT	1998	1999	2000	2001	2002
Weighted percent		10.3		15.9	21.7
C.I (95%)		(5.0 - 20.2)		(9.7 - 24.9)	(13.2 - 33.7)
Age-adjusted percent		12.4		13.0	17.1
C.I (95%)		(5.0 - 27.8)		(8.3 - 19.9)	(9.2 - 29.4)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 26-11c/ SUPPLEMENT 9**

**Percent of adults with less education  
who engage in binge drinking of alcoholic beverages  
Hawaii, 1998-2002**



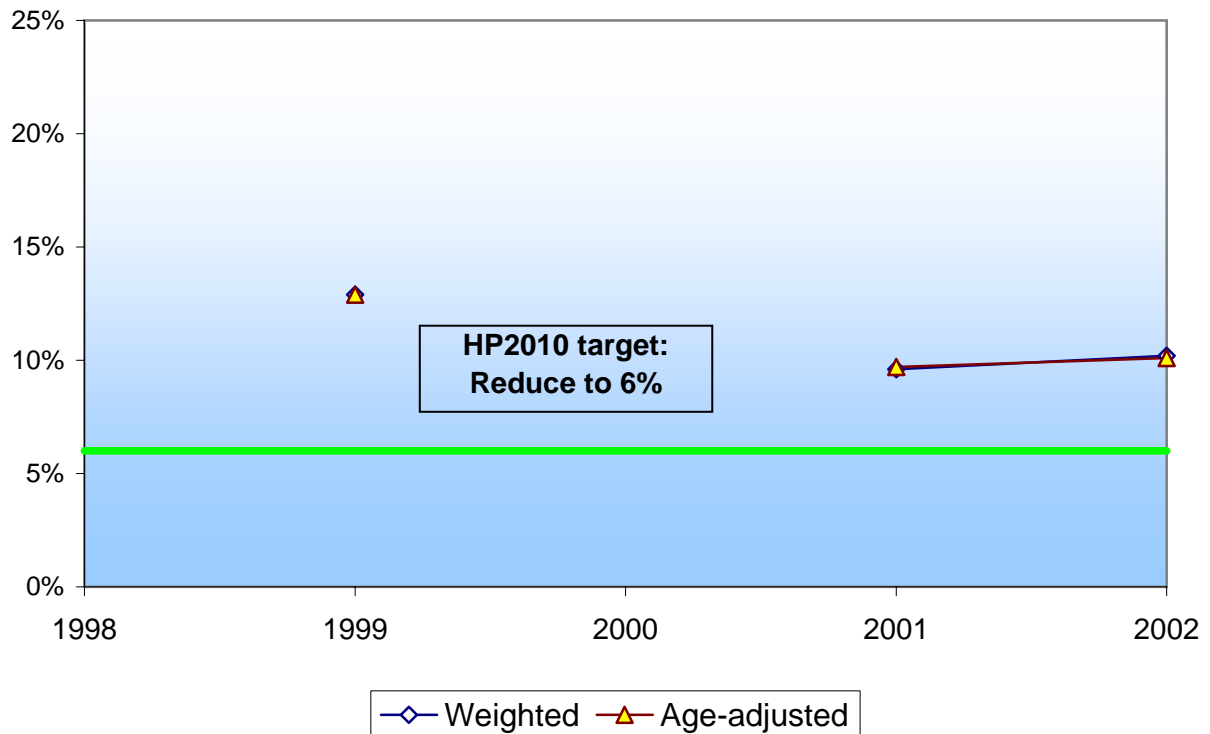
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		12		12	23
NOT		139		269	351
TOTAL		151		281	374

PERCENT	1998	1999	2000	2001	2002
Weighted percent		6.5		6.1	6.6
C.I (95%)		(2.9 - 14.1)		(2.9 - 12.5)	(4.0 - 10.7)
Age-adjusted percent		9.0		10.6	10.9
C.I (95%)		(3.8 - 20.0)		(5.2 - 20.4)	(6.3 - 18.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 26-11c/ SUPPLEMENT 10**

**Percent of adults aged 18+ who engage in binge drinking of alcoholic beverages  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		124		162	238
NOT		866		1734	2542
TOTAL		990		1896	2780

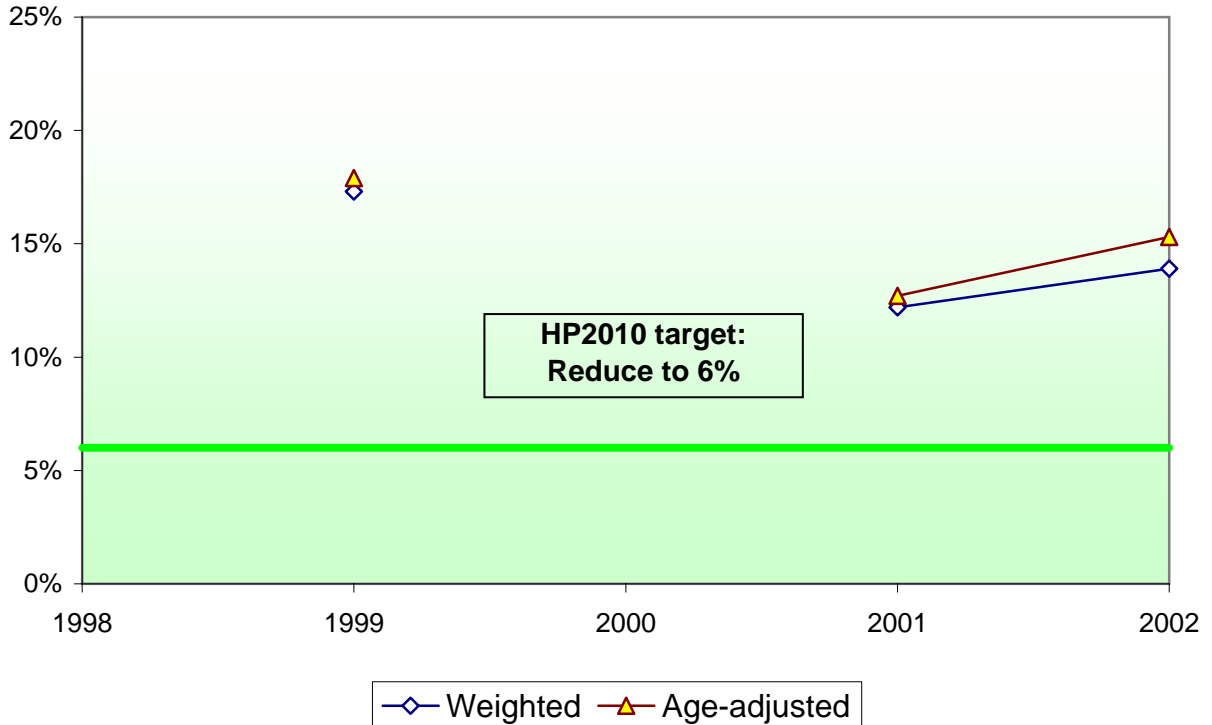
PERCENT	1998	1999	2000	2001	2002
Weighted percent		12.9		9.6	10.2
C.I (95%)		(10.7 - 15.6)		(8.0 - 11.3)	(8.8 - 11.8)
Age-adjusted percent		12.9		9.7	10.1
C.I (95%)		(10.7 - 15.5)		(8.1 - 11.4)	(8.7 - 11.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 26-11c/ SUPPLEMENT 11

**Percent of adults aged 18+ who engage in binge drinking of alcoholic beverages  
Hawaii county, Hawaii, 1998-2002**



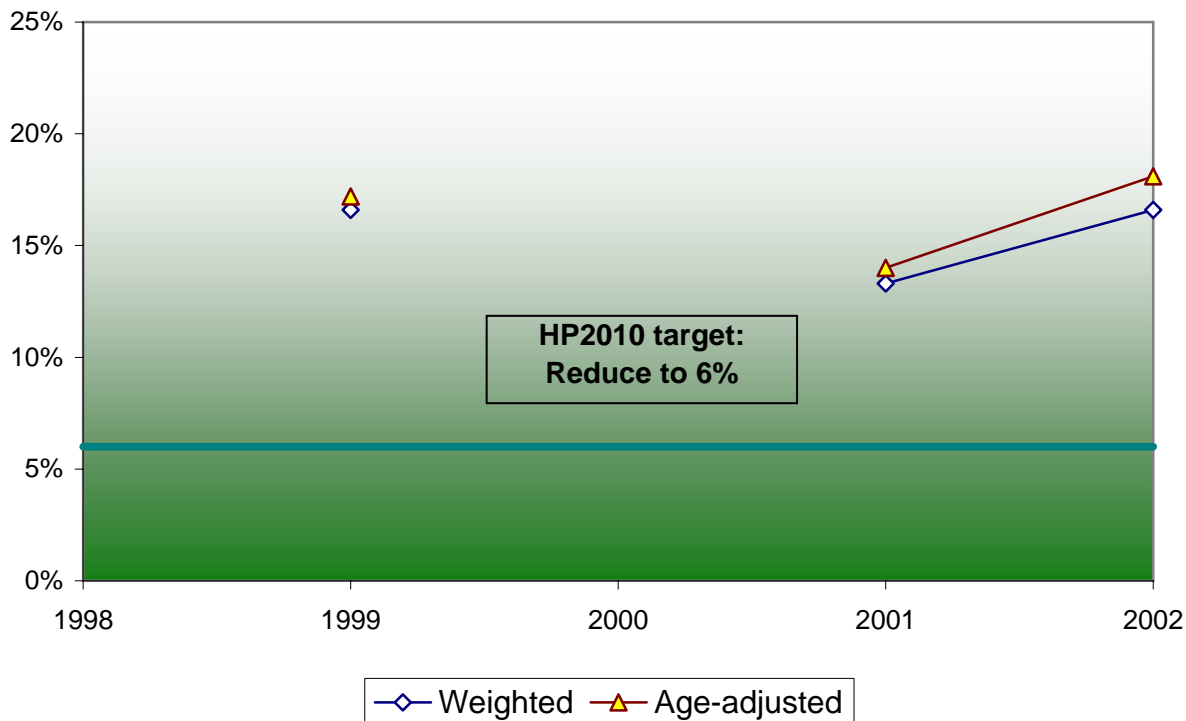
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		76		108	148
NOT		447		902	1206
TOTAL		523		1010	1354

PERCENT	1998	1999	2000	2001	2002
Weighted percent		17.3		12.2	13.9
C.I (95%)		(13.5 - 21.8)		(9.8 - 15.0)	(11.6 - 16.6)
Age-adjusted percent		17.9		12.7	15.3
C.I (95%)		(14.0 - 22.5)		(10.3 - 15.7)	(12.8 - 18.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 26-11c/ SUPPLEMENT 12

**Percent of adults aged 18+ who engage in binge drinking of alcoholic beverages  
Kauai county, Hawaii, 1998-2002**



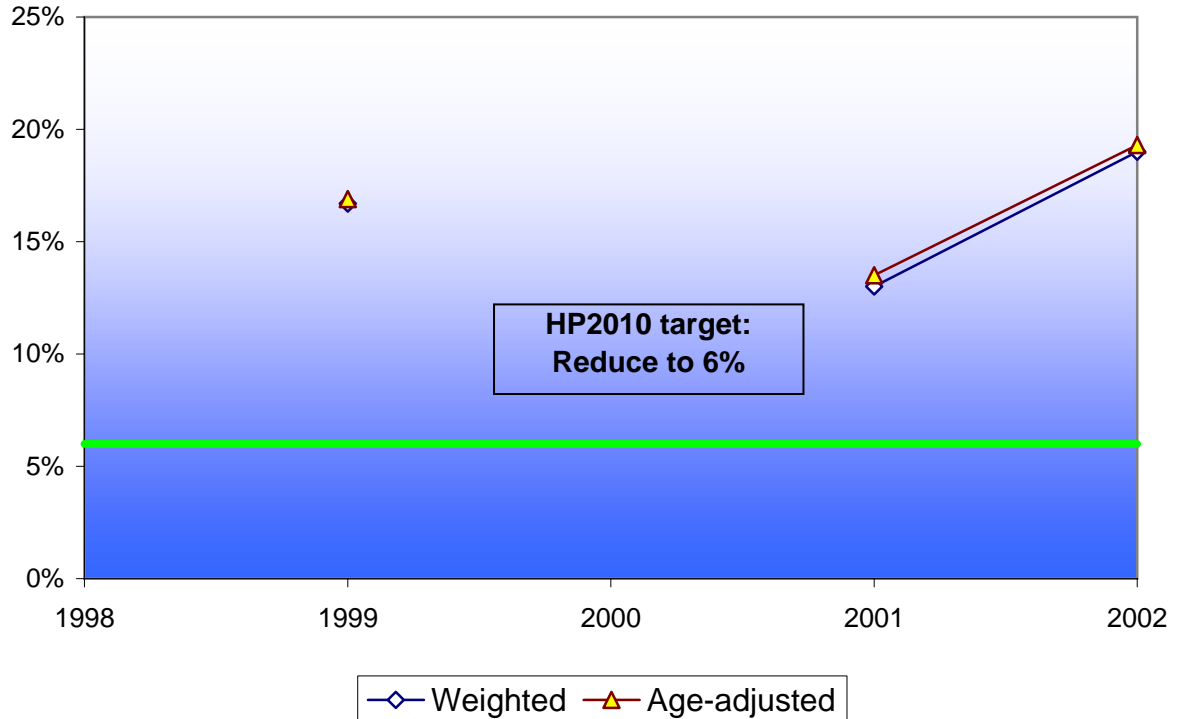
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		35		63	77
NOT		172		482	511
TOTAL		207		545	588

PERCENT	1998	1999	2000	2001	2002
Weighted percent		16.6		13.3	16.6
C.I (95%)		(11.6 - 23.3)		(10.2 - 17.2)	(13.0 - 21.0)
Age-adjusted percent		17.2		14.0	18.1
C.I (95%)		(11.8 - 24.3)		(10.8 - 18.0)	(14.2 - 24.7)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 26-11c/ SUPPLEMENT 13

**Percent of adults aged 18+ who engage in binge drinking of alcoholic beverages  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
BINGE DRINKING		66		113	190
NOT		350		888	1000
TOTAL		416		1001	1190

PERCENT	1998	1999	2000	2001	2002
Weighted percent		16.7		13.0	19.0
C.I (95%)		(12.8 - 21.5)		(10.5 - 16.1)	(16.3 - 22.0)
Age-adjusted percent		16.9		13.5	19.3
C.I (95%)		(13.1 - 21.5)		(10.8 - 16.7)	(16.6 - 22.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **TOBACCO USE**

### **Objective 27-1**

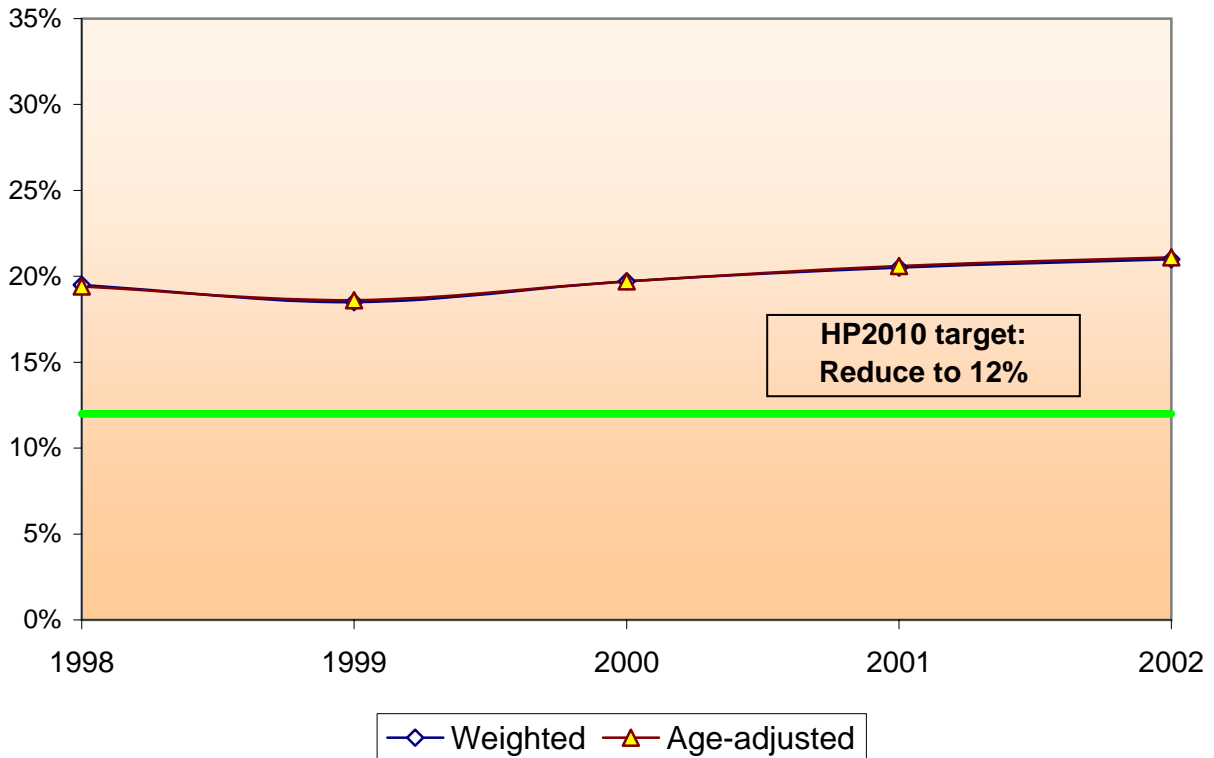
*Reduce tobacco use by adults to **12%**.*

### **Objective 27-5**

*Increase smoking cessation attempts by adult smokers to **75%***

## OBJECTIVE 27-1a

**Percent of adults aged 18+ who smoke  
Hawaii, 1998-2002**



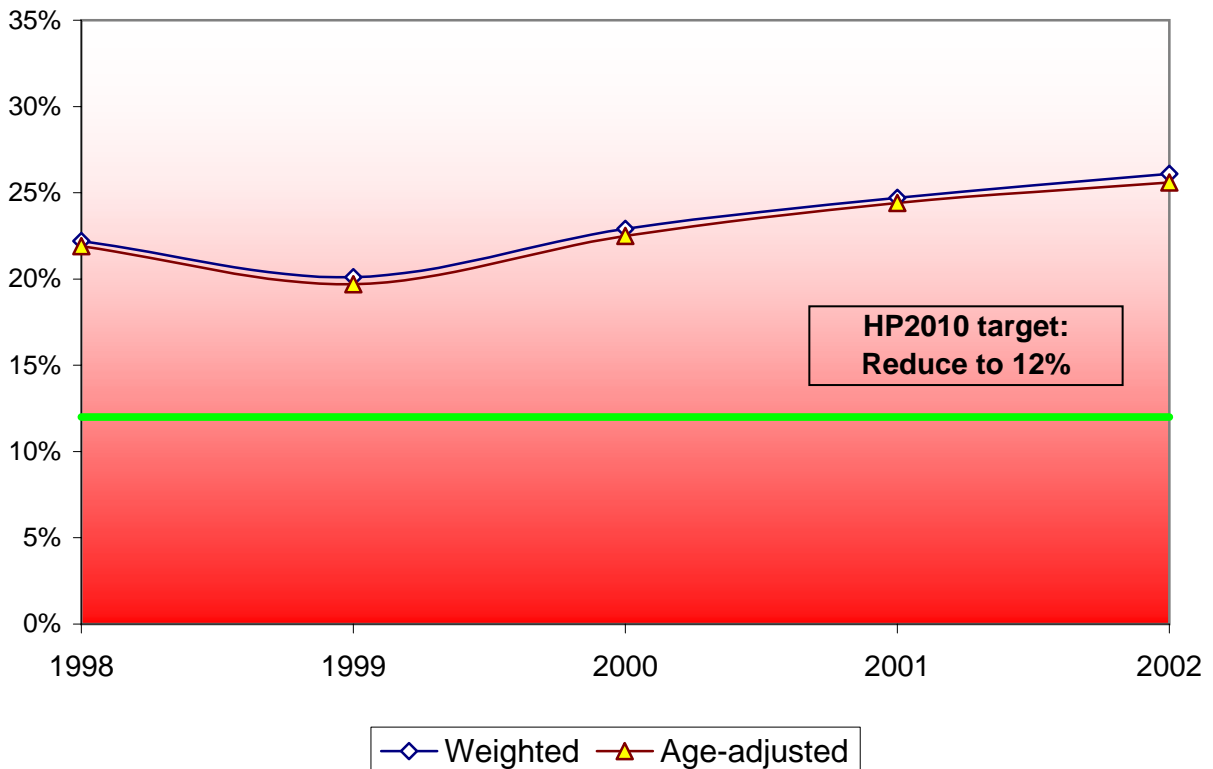
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	431	401	1141	934	1202
NON-SMOKERS	1718	1750	4861	3562	4393
TOTAL	2149	2151	6002	4496	5595

PERCENT	1998	1999	2000	2001	2002
Weighted percent	19.5	18.5	19.7	20.5	21.0
C.I (95%)	(17.3 - 21.8)	(16.4 - 20.8)	(18.3 - 21.1)	(18.9 - 22.2)	(19.6 - 22.5)
Age-adjusted percent	19.4	18.6	19.7	20.6	21.1
C.I (95%)	(17.2 - 21.7)	(16.5 - 20.9)	(18.3 - 21.1)	(19.0 - 22.3)	(19.7 - 22.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-1a/ SUPPLEMENT 1**

**Percent of men aged 18+ who smoke  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	217	207	567	463	648
NON-SMOKERS	716	783	2111	1472	1954
TOTAL	933	990	2678	1935	2602

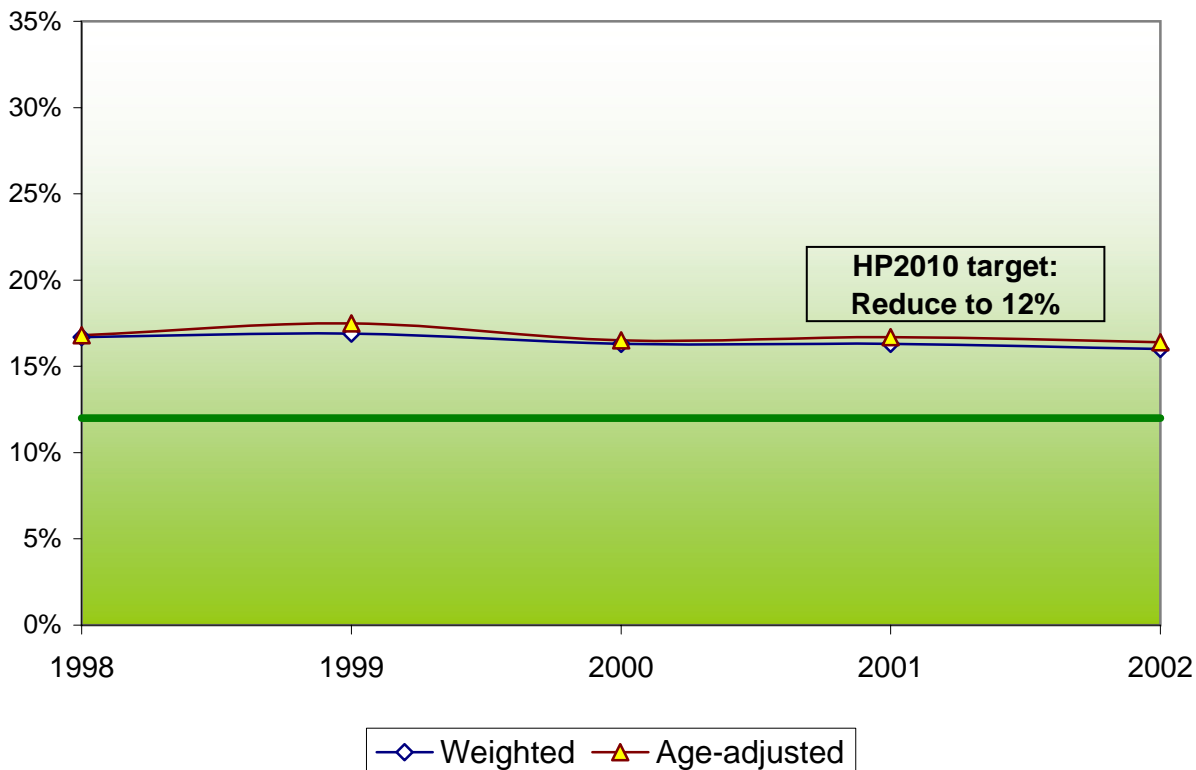
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	22.2	20.1	22.9	24.7	26.1
<b>C.I (95%)</b>	(18.8 - 26.0)	(16.9 - 23.6)	(20.7 - 25.2)	(22.1 - 27.4)	(23.8 - 28.5)
<b>Age-adjusted percent</b>	21.9	19.7	22.5	24.4	25.6
<b>C.I (95%)</b>	(18.5 - 25.6)	(16.7 - 23.1)	(20.4 - 24.8)	(21.9 - 27.2)	(23.4 - 27.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 27-1a/ SUPPLEMENT 2

**Percent of women aged 18+ who smoke  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	214	194	574	471	554
NON-SMOKERS	1002	967	2750	2090	2839
TOTAL	1216	1161	3324	2561	3393

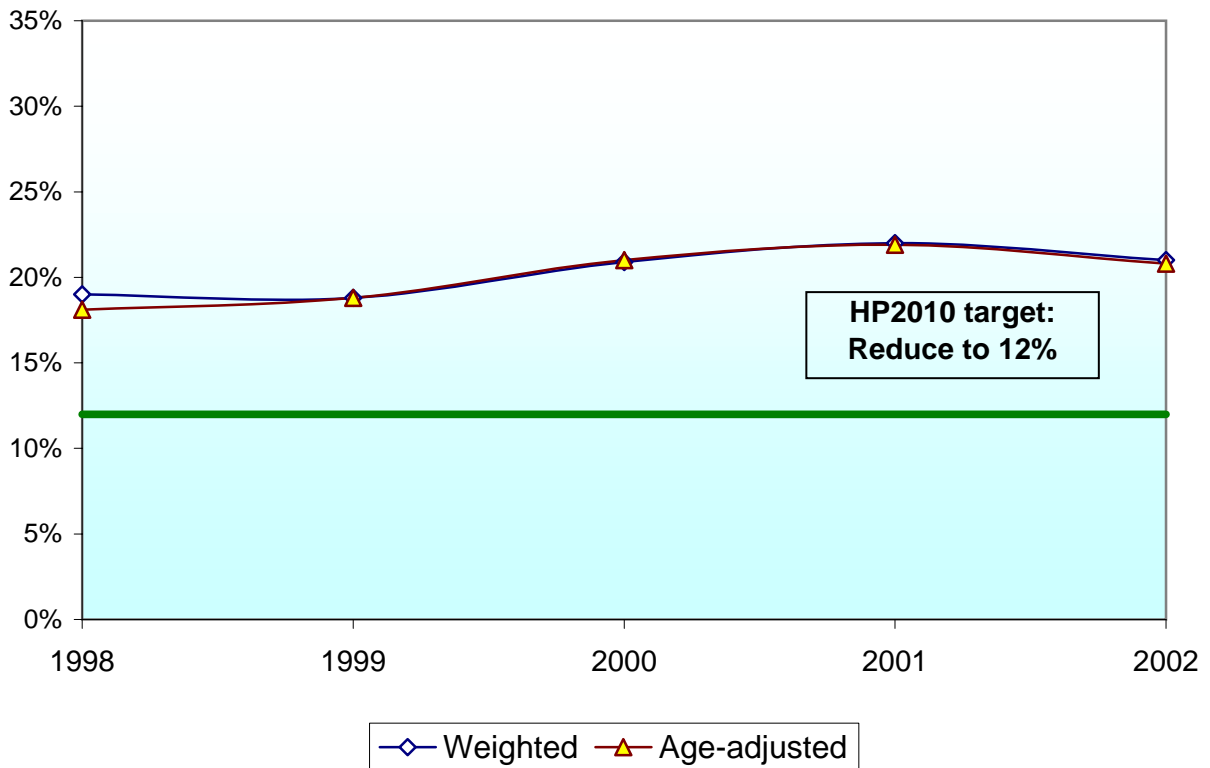
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	16.7	16.9	16.3	16.3	16.0
C.I (95%)	(14.2 - 19.5)	(14.3 - 20.0)	(14.7 - 18.1)	(14.5 - 18.2)	(14.5 - 17.6)
Age-adjusted percent	16.8	17.5	16.5	16.7	16.4
C.I (95%)	14.3 - 19.7)	(14.8 - 20.6)	(14.8 - 18.3)	(14.9 - 18.6)	(14.8 - 18.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-1a/ SUPPLEMENT 3**

**Percent of White adults aged 18+ who smoke  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	173	95	44.5	412	487
NON-SMOKERS	671	401	2209.5	1443	1992
TOTAL	844	496	2254	1855	2479

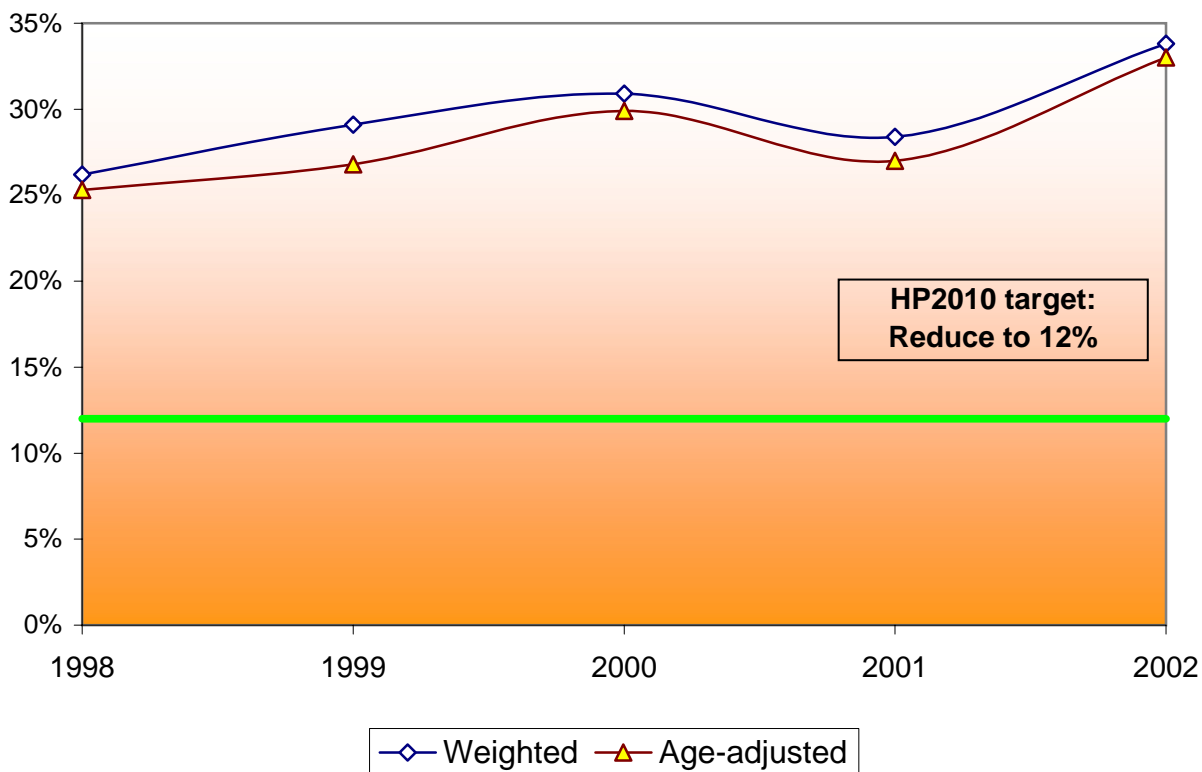
PERCENT	1998	1999	2000	2001	2002
Weighted percent	19.0	18.8	20.9	22.0	21.0
C.I (95%)	(15.8 - 22.6)	(14.7 - 23.7)	(18.6 - 23.3)	(19.5 - 24.7)	(18.9 - 23.3)
Age-adjusted percent	18.1	18.8	21.0	21.9	20.8
C.I (95%)	(15.2 - 21.5)	(14.8 - 23.6)	(18.6 - 23.5)	(19.4 - 24.6)	(18.6 - 23.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 27-1a/ SUPPLEMENT 4

**Percent of Hawaiians aged 18+ who smoke  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	81	59	255	172	264
NON-SMOKERS	224	161	677	413	507
TOTAL	305	220	932	585	771

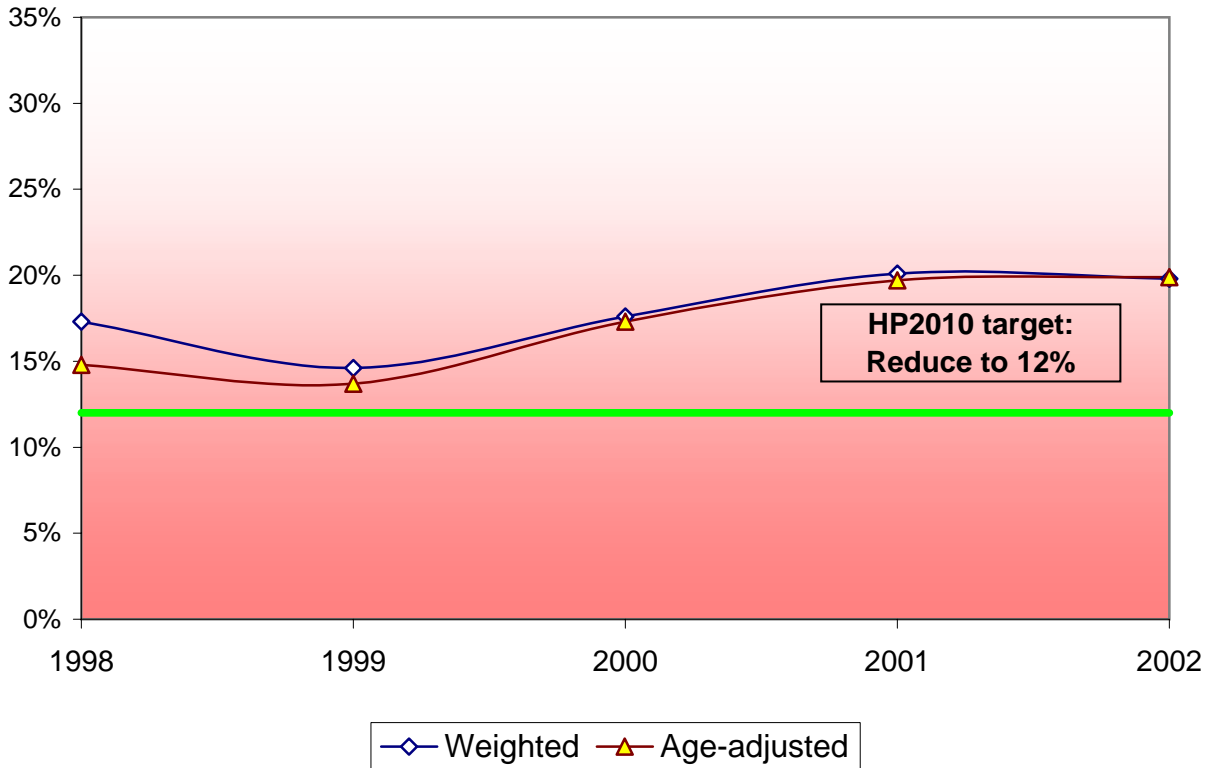
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	26.2	29.1	30.9	28.4	33.8
C.I (95%)	(19.9 - 33.7)	(21.3 - 38.2)	(26.6 - 35.5)	(23.5 - 33.8)	(29.4 - 38.6)
Age-adjusted percent	25.3	26.8	29.9	27.0	33.0
C.I (95%)	(19.3 - 232.4)	(20.2 - 34.7)	(25.8 - 34.4)	(22.4 - 32.2)	(28.9 - 37.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-1a/ SUPPLEMENT 5**

**Percent of Filipinos aged 18+ who smoke  
Hawaii, 1998-2002**



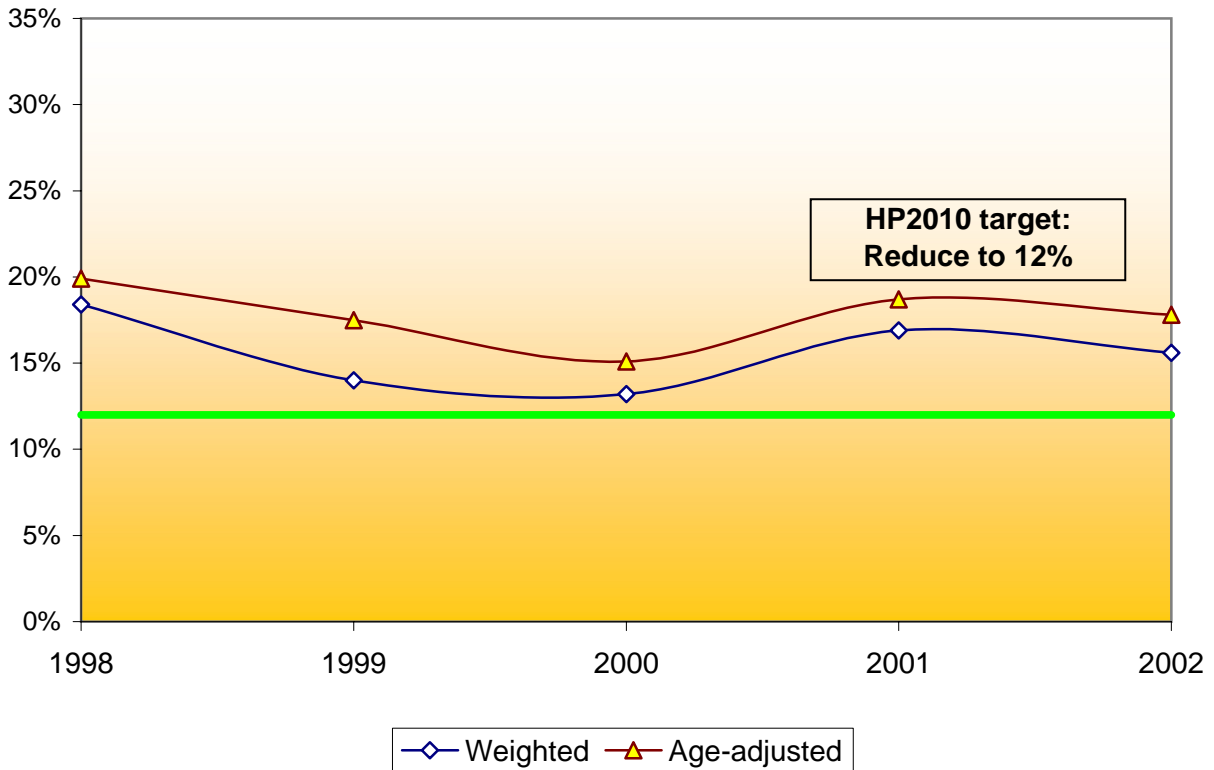
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	41	31	130	106	152
NON-SMOKERS	191	136	607	442	623
TOTAL	232	167	737	548	775

PERCENT	1998	1999	2000	2001	2002
Weighted percent	17.3	14.6	17.6	20.1	19.8
C.I (95%)	(11.5 - 25.0)	(9.6 - 21.7)	(14.0 - 22.0)	(15.8 - 25.3)	(16.1 - 24.1)
Age-adjusted percent	14.8	13.7	17.3	19.7	19.9
C.I (95%)	(10.1 - 21.2)	(8.7 - 20.8)	(13.8 - 21.6)	(15.4 - 24.8)	(16.2 - 24.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-1a/ SUPPLEMENT 6**

**Percent of Japanese aged 18+ who smoke  
Hawaii, 1998-2002**



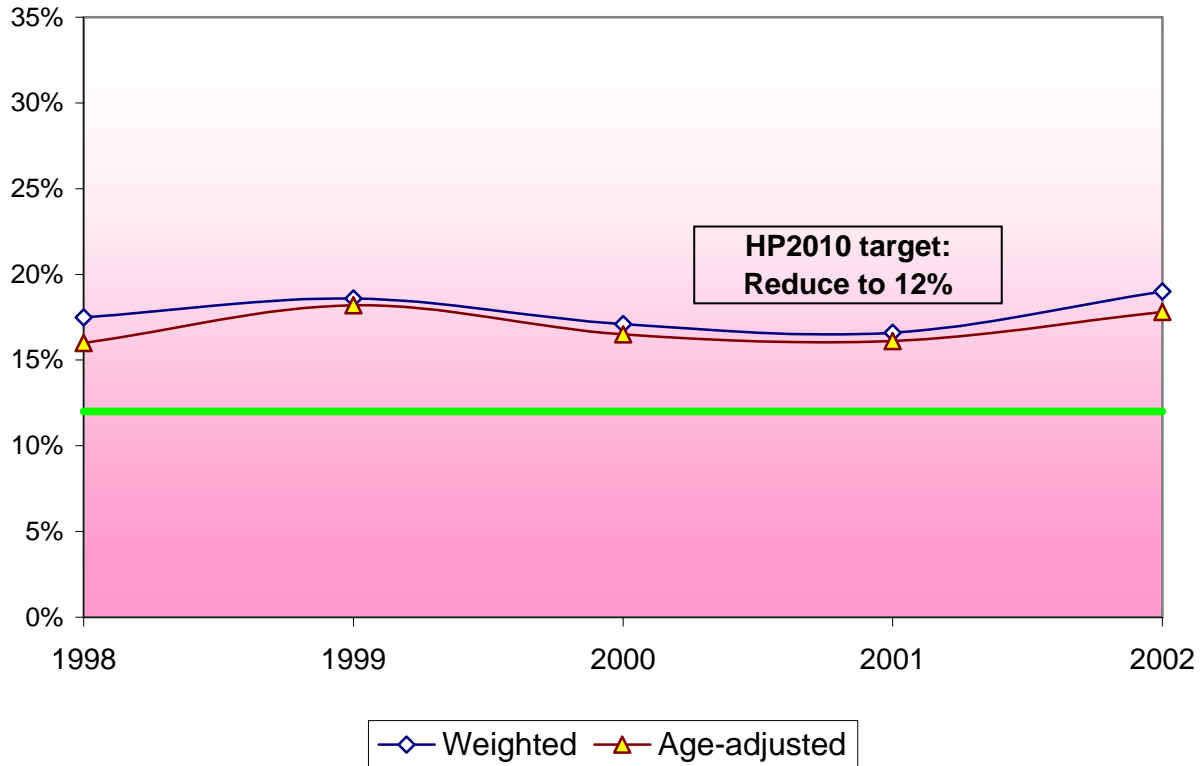
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	82	53	157	134	162
NON-SMOKERS	393	293	1105	736	1004
TOTAL	475	346	1262	870	1166

PERCENT	1998	1999	2000	2001	2002
Weighted percent	18.4	14.0	13.2	16.9	15.6
C.I (95%)	(14.2 - 23.6)	(10.1 - 19.0)	(10.9 - 16.7)	(13.7 - 20.6)	(13.0 - 18.6)
Age-adjusted percent	19.9	17.5	15.1	18.7	17.8
C.I (95%)	(15.2 - 25.6)	(22.2 - 24.4)	(12.3 - 18.5)	(15.1 - 23.0)	(14.7 - 21.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-1a/ SUPPLEMENT 7**

**Percent of adults of other races aged 18+ who smoke  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	54	163	150	110	137
NON-SMOKERS	239	759	667	528	667
TOTAL	293	922	817	638	804

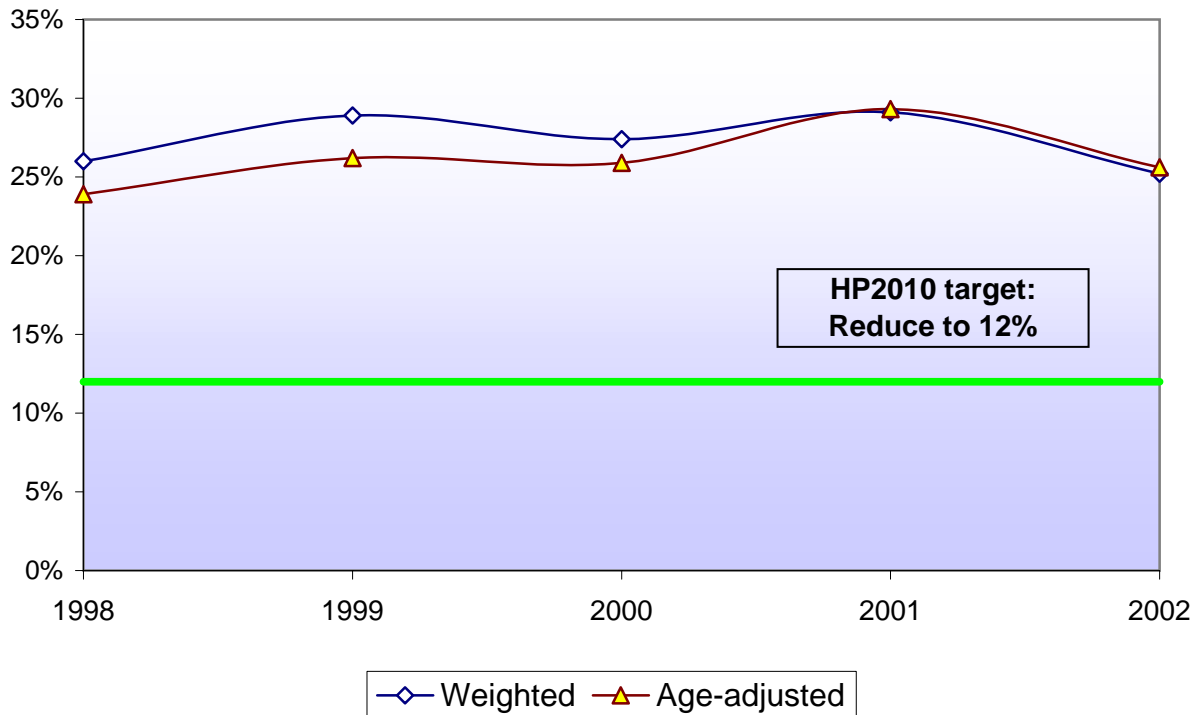
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	17.5	18.6	17.1	16.6	19.0
C.I (95%)	(12.7 - 23.6)	(15.4 - 22.3)	(14.1 - 20.6)	(13.1 - 20.7)	(15.7 - 22.7)
Age-adjusted percent	16.0	18.2	16.5	16.1	17.8
C.I (95%)	(11.6 - 21.8)	(15.1 - 21.8)	(13.7 - 19.8)	(12.8 - 20.1)	(14.8 - 21.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-1a/ SUPPLEMENT 8**

**Percent of adults aged 18+ in low income household who smoke  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	44	25	91	60	50
NON-SMOKERS	101	75	221	133	160
TOTAL	145	100	312	193	210

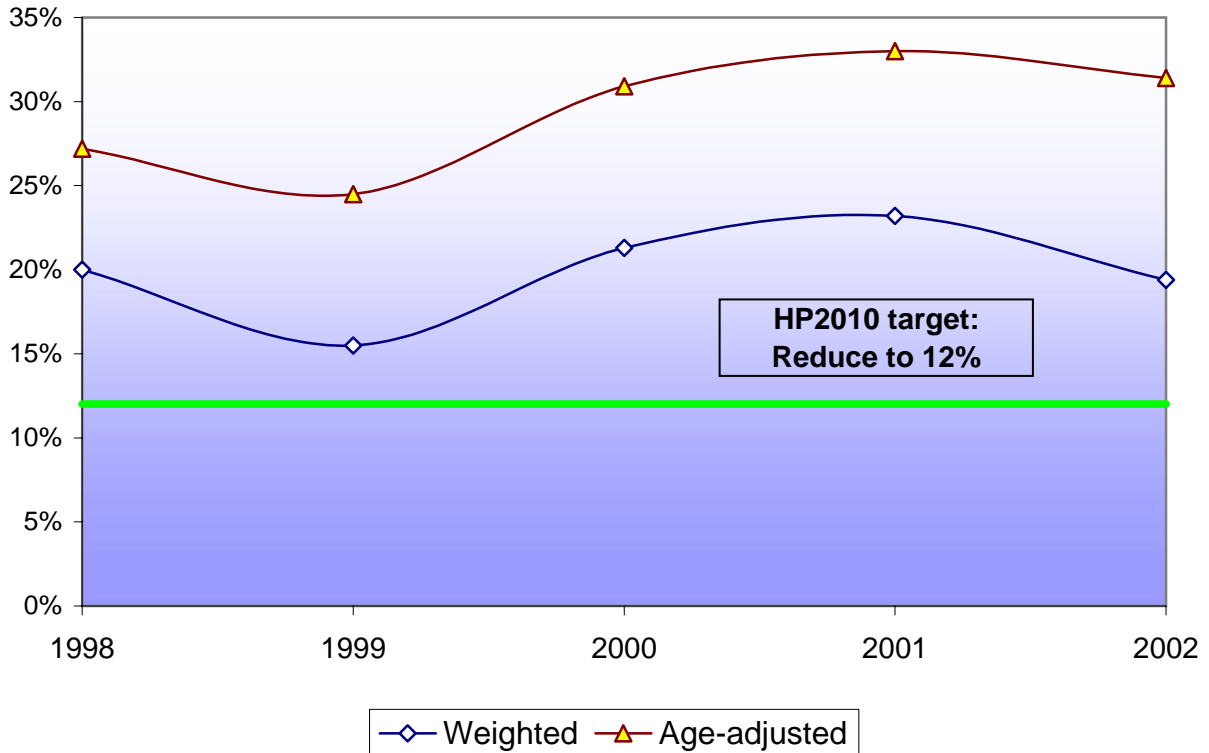
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	26.0	28.9	27.4	29.1	25.2
C.I (95%)	(17.6 - 36.6)	(17.6 - 43.8)	(21.1 - 34.8)	(21.1 - 38.7)	(17.8 - 34.3)
Age-adjusted percent	23.9	26.2	25.9	29.3	25.6
C.I (95%)	(15.4 - 35.1)	(15.1 - 41.6)	(19.9 - 32.8)	(21.2 - 38.9)	(16.5 - 37.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-1a/ SUPPLEMENT 9**

**Percent of adults with less education who smoke  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	32	24	80	63	74
NON-SMOKERS	113	125	336	221	302
TOTAL	145	149	416	284	376

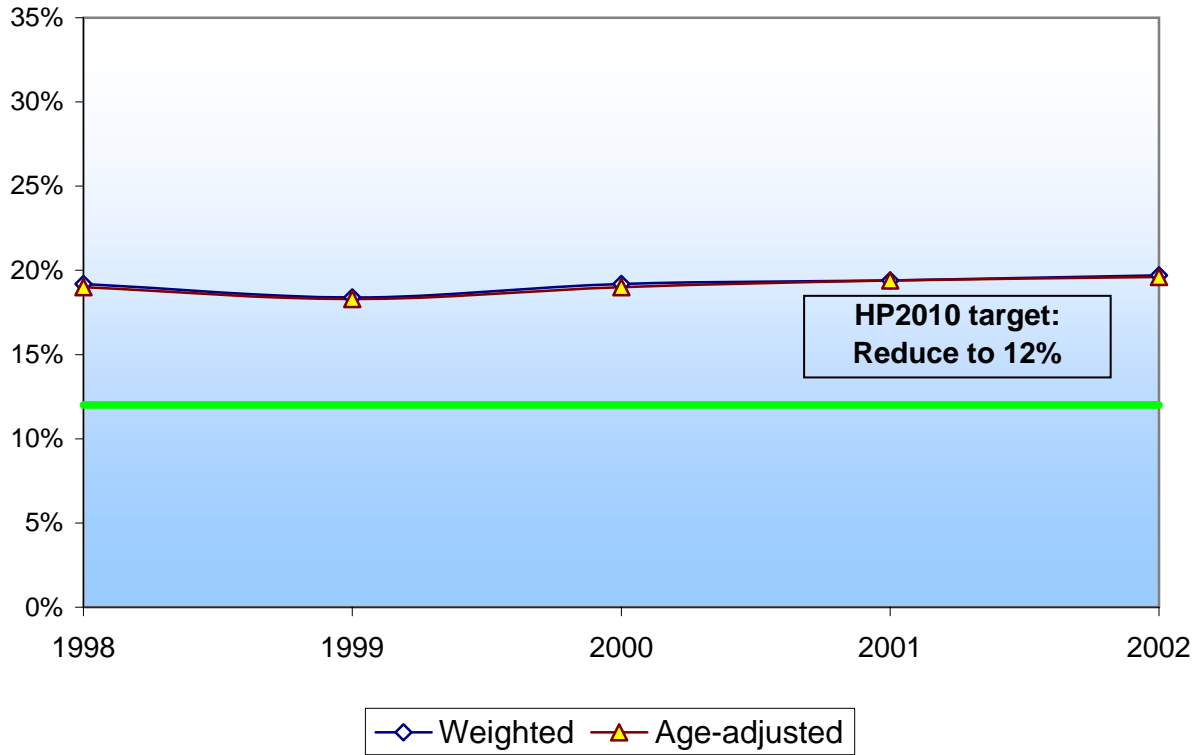
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	20.0	15.5	21.3	23.2	19.4
C.I (95%)	(12.9 - 29.6)	(9.5 - 24.3)	(15.9 - 28.1)	(17.0 - 31.0)	(14.3 - 25.8)
Age-adjusted percent	27.2	24.5	30.9	33.0	31.4
C.I (95%)	(17.7 - 39.7)	(15.0 - 37.2)	(23.2 - 39.9)	(24.4 - 43.0)	(23.7 - 40.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 27-1a/ SUPPLEMENT 10

**Percent of adults aged 18+ who smoke  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	189	182	476	353	496
NON-SMOKERS	807	814	2325	1565	2314
TOTAL	996	996	2801	1918	2810

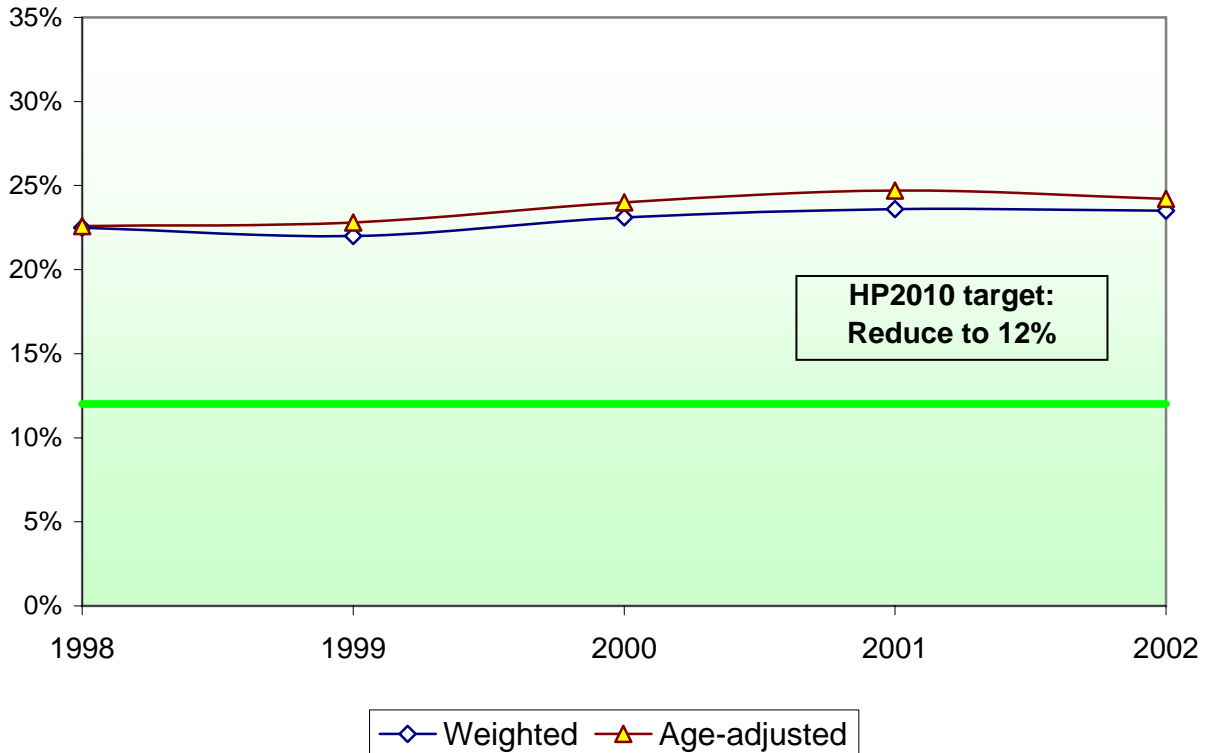
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	19.2	18.4	19.2	19.4	19.7
C.I (95%)	(16.4 - 22.3)	(15.7 - 21.4)	(17.4 - 21.1)	(17.4 - 21.6)	(17.9 - 21.6)
Age-adjusted percent	19.0	18.3	19.0	19.4	19.6
C.I (95%)	(16.3 - 22.0)	(15.7 - 21.3)	(17.3 - 20.9)	(17.4 - 21.6)	(17.9 - 21.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-1a/ SUPPLEMENT 11**

**Percent of adults aged 18+ who smoke  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
<b>SMOKERS</b>	118	114	323	221	278
<b>NON-SMOKERS</b>	409	414	1126	799	1099
<b>TOTAL</b>	527	528	1449	1020	1377

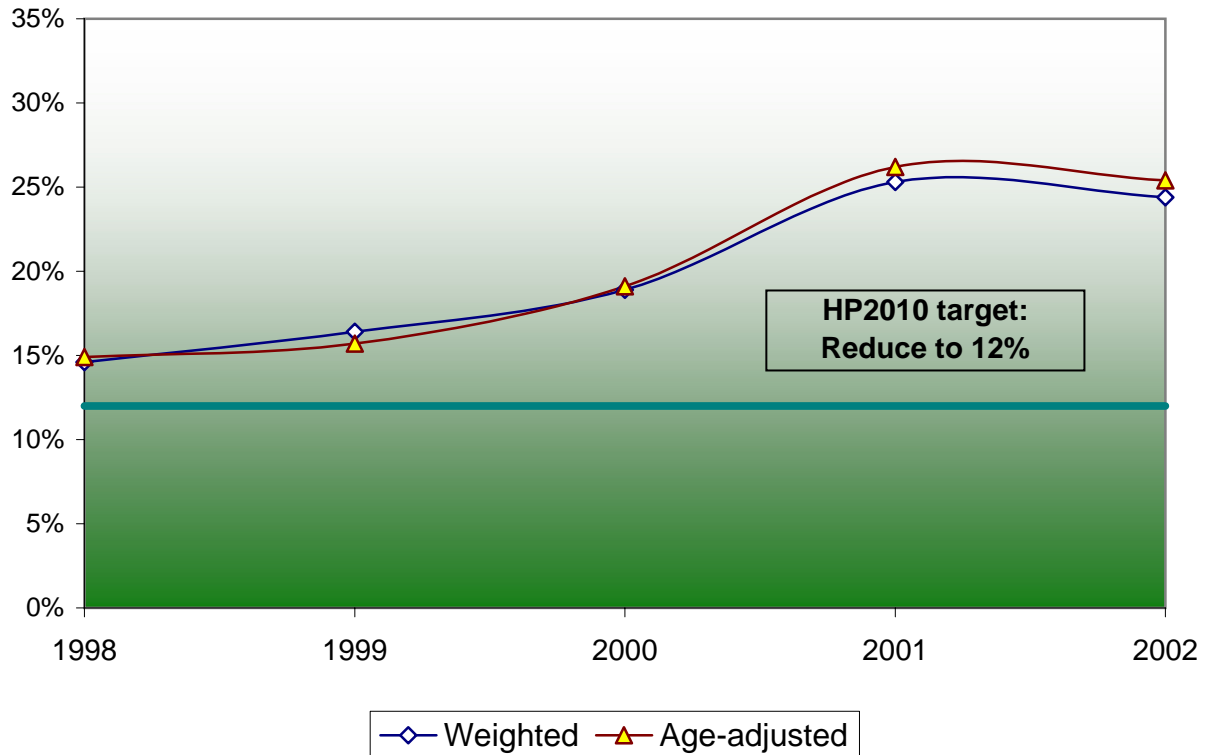
PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	22.5	22.0	23.1	23.6	23.5
<b>C.I (95%)</b>	(18.7 - 26.9)	(18.0 - 26.5)	(20.5 - 25.9)	(20.6 - 26.9)	(20.8 - 26.4)
<b>Age-adjusted percent</b>	22.6	22.8	24.0	24.7	24.2
<b>C.I (95%)</b>	(18.7 - 27.2)	(18.7 - 27.4)	(21.3 - 26.9)	(21.6 - 28.0)	(21.3 - 27.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 27-1a/ SUPPLEMENT 12

**Percent of adults aged 18+ who smoke  
Kauai county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	33	35	110	125	127
NON-SMOKERS	177	174	476	422	474
TOTAL	210	209	586	547	601

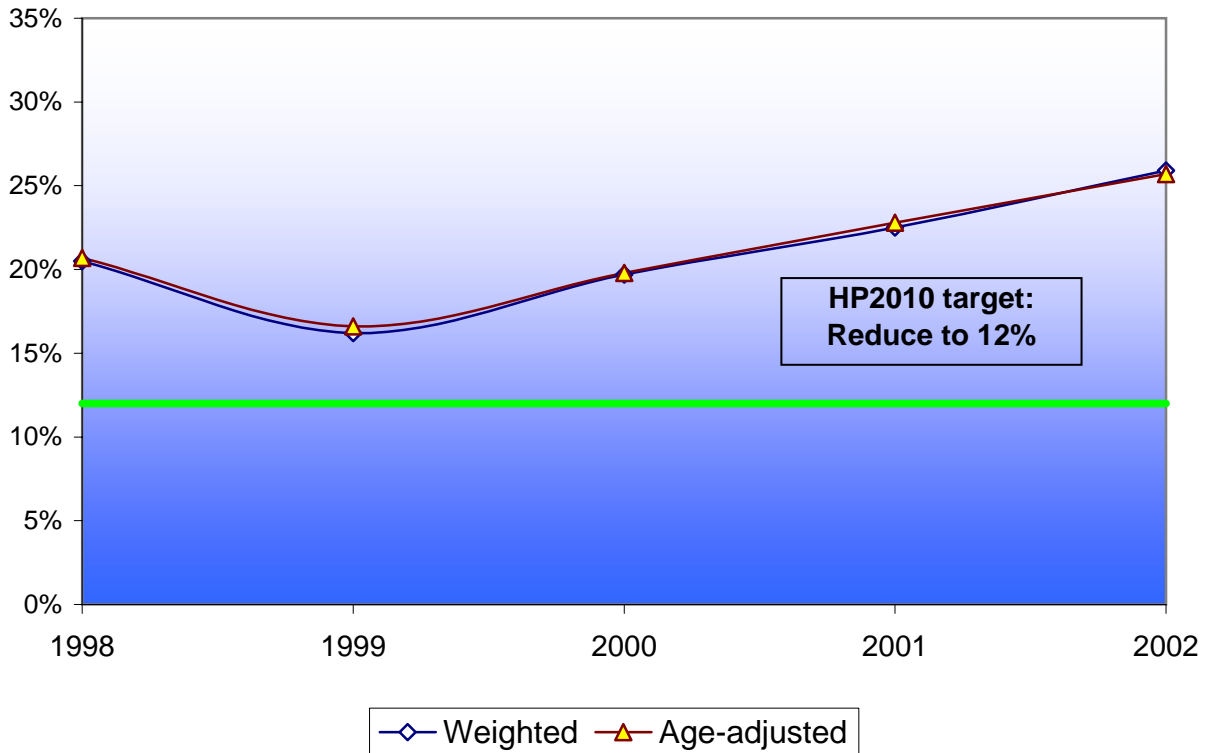
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	14.6	16.4	18.9	25.3	24.4
C.I (95%)	(9.9 - 21.0)	(11.4 - 23.1)	(15.4 - 22.8)	(21.0 - 30.1)	(20.3 - 28.9)
Age-adjusted percent	14.9	15.7	19.1	26.2	25.4
C.I (95%)	(10.1 - 21.4)	(11.0 - 21.8)	(15.6 - 23.2)	(21.9 - 31.0)	(21.2 - 30.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-1a/ SUPPLEMENT 13**

**Percent of adults aged 18+ who smoke  
Maui county, Hawaii, 1998-2002**



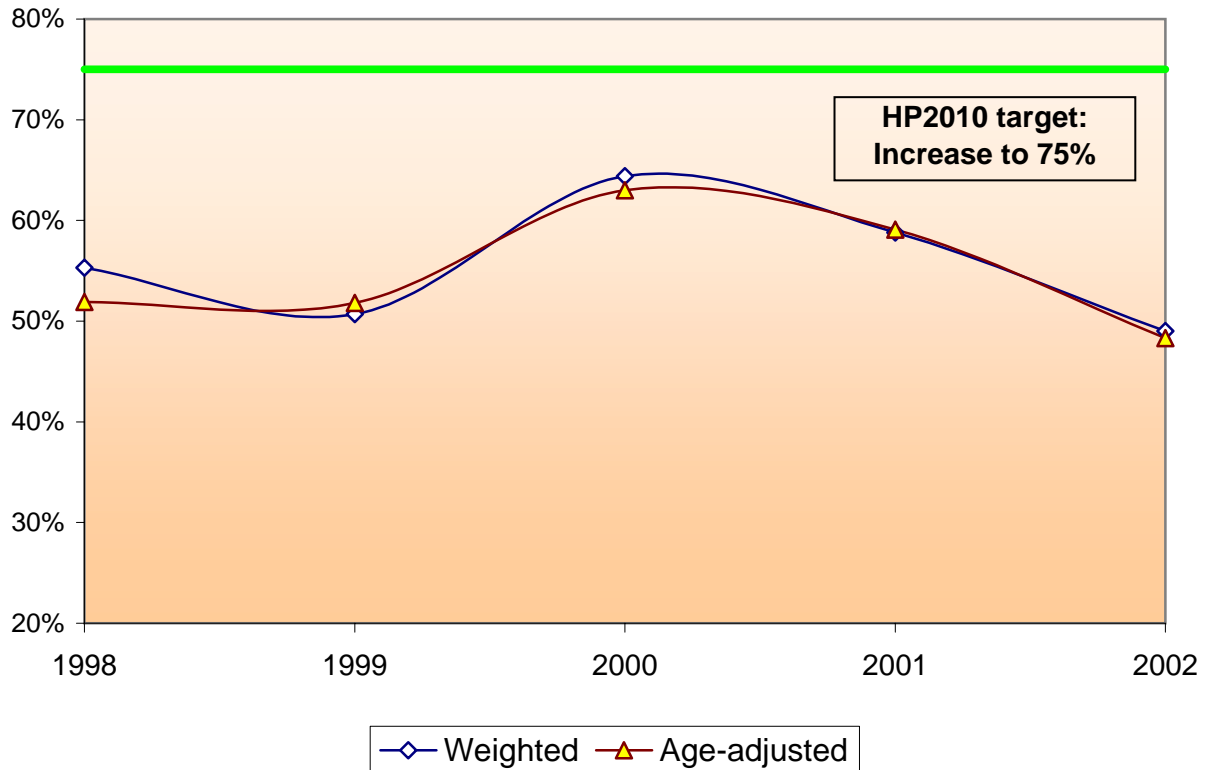
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
SMOKERS	91	70	232	235	301
NON-SMOKERS	325	348	934	776	906
TOTAL	416	418	1166	1011	1207

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	20.5	16.2	19.7	22.5	25.9
<b>C.I (95%)</b>	(16.1 - 25.6)	(12.5 - 20.6)	(17.1 - 22.6)	(19.5 - 25.9)	(22.9 - 29.1)
<b>Age-adjusted percent</b>	20.7	16.6	19.8	22.8	25.7
<b>C.I (95%)</b>	(16.3 - 25.9)	(12.9 - 21.1)	(17.1 - 22.8)	(19.7 - 26.3)	(22.7 - 28.9)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-5**

**Percent of smokers aged 18+ who ever tried to quit smoking  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT	171	148	729	540	572
NOT	168	161	408	394	630
TOTAL	339	309	1137	934	1202

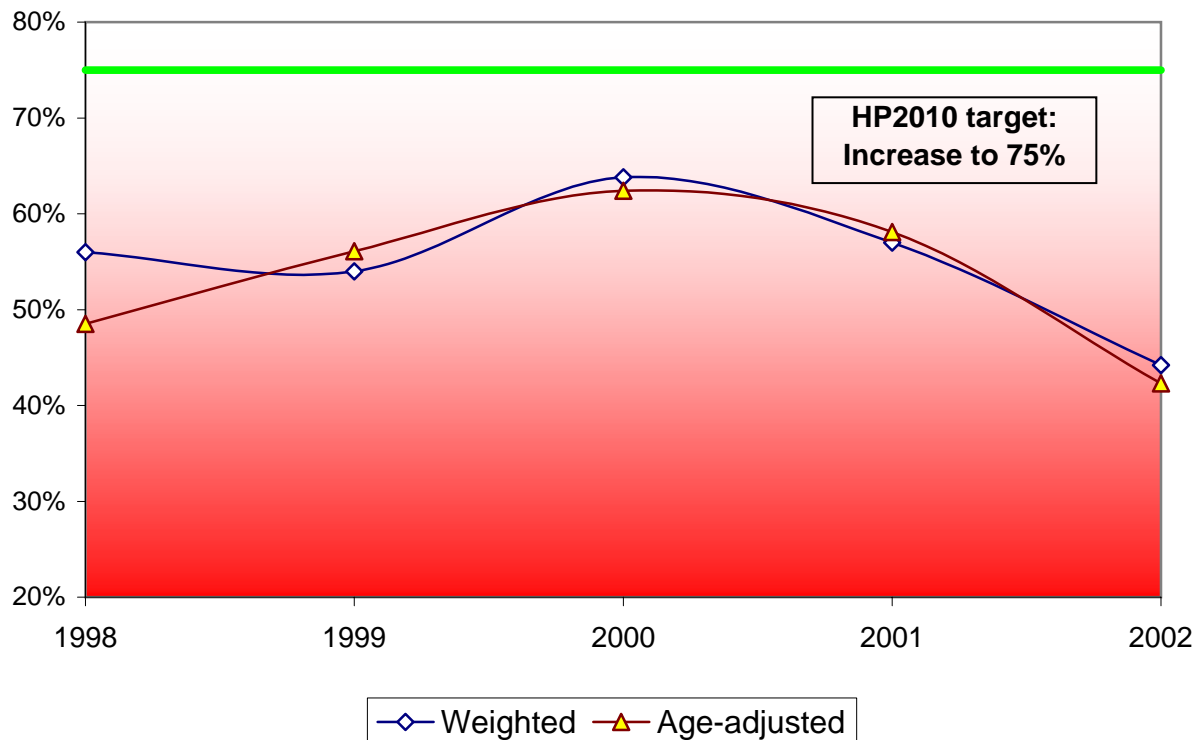
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	55.3	50.7	64.4	58.8	49.0
<b>C.I (95%)</b>	(48.0 - 62.3)	(43.4 - 57.9)	(60.3 - 68.2)	(54.4 - 63.1)	(45.1 - 63.1)
<b>Age-adjusted percent</b>	51.9	51.8	63.0	59.1	48.3
<b>C.I (95%)</b>	(44.9 - 58.8)	(43.9 - 59.5)	(58.8 - 67.0)	(54.7 - 63.4)	(44.2 - 52.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 27-5/ SUPPLEMENT 1

**Percent of male-smokers aged 18+ who ever tried to quit smoking  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT	87	81	362	263	262
NOT	89	76	202	200	386
TOTAL	176	157	564	463	648

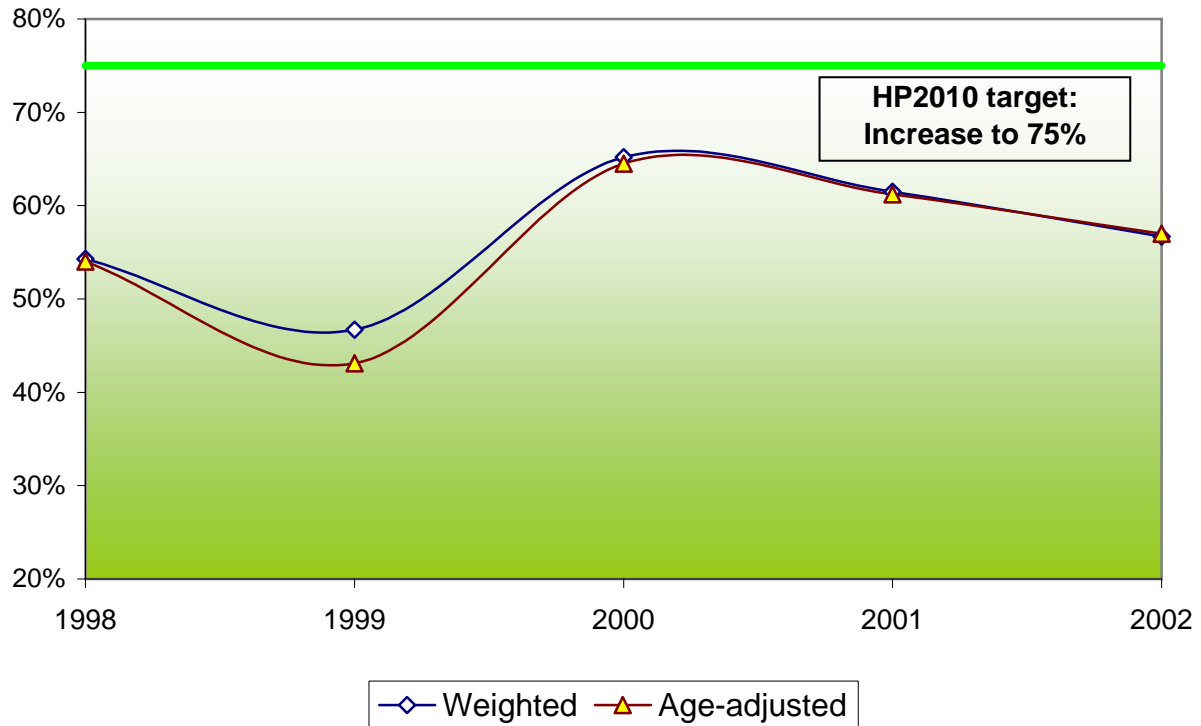
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	56.0	54.0	63.8	57.0	44.2
<b>C.I (95%)</b>	(45.8 - 65.7)	(43.7 - 64.0)	(58.1 - 69.1)	(50.8 - 63.0)	(39.0 - 49.6)
<b>Age-adjusted percent</b>	48.5	56.1	62.4	58.1	42.3
<b>C.I (95%)</b>	(41.0 - 56.1)	(46.5 - 65.2)	(56.4 - 68.0)	(52.0 - 64.0)	(37.2 - 47.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-5/ SUPPLEMENT 2**

**Percent of female-smokers aged 18+ who ever tried to quit smoking  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT	84	67	367	277	310
NOT	79	85	206	194	244
TOTAL	163	152	573	471	554

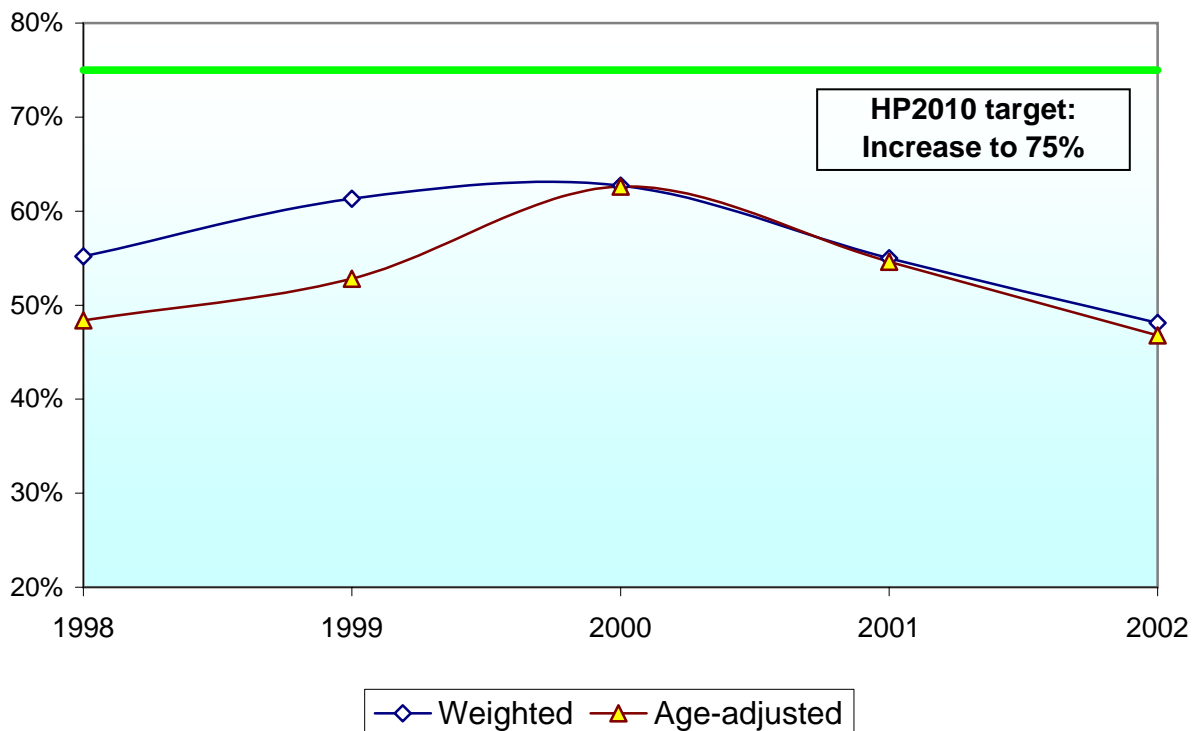
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	54.3	46.7	65.2	61.5	56.7
<b>C.I (95%)</b>	(44.3 - 63.9)	(36.8 - 56.9)	(56.1 - 68.9)	(55.5 - 67.2)	(51.3 - 61.9)
<b>Age-adjusted percent</b>	54.0	43.1	64.5	61.2	57.0
<b>C.I (95%)</b>	(44.3 - 64.3)	(33.1 - 53.7)	(55.9 - 69.7)	(55.2 - 66.9)	(51.3 - 62.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-5/ SUPPLEMENT 3**

**Percent of White smokers aged 18+ who ever tried to quit smoking  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT	64	39	284	228	231
NOT	72	31	163	184	256
TOTAL	136	70	447	412	487

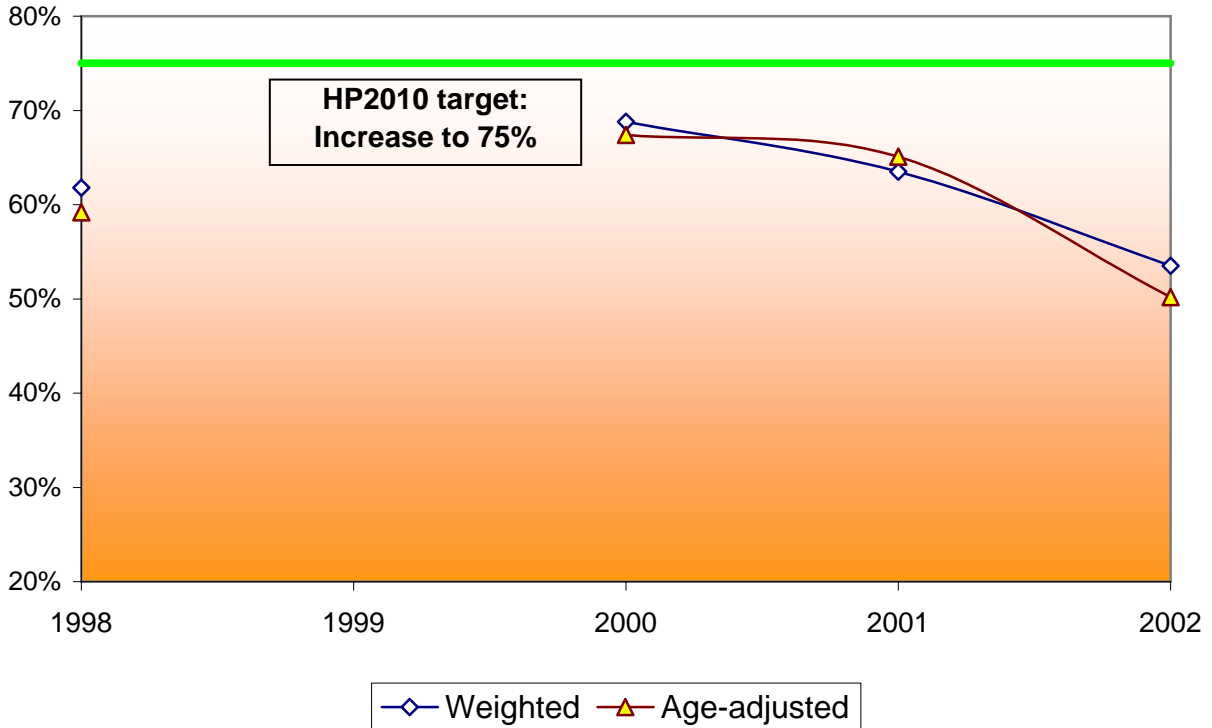
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	55.2	61.3	62.7	55.0	48.1
C.I (95%)	(44.4 - 65.5)	(46.5 - 74.3)	(56.1 - 68.9)	(48.3 - 61.4)	(42.1 - 54.0)
Age-adjusted percent	48.4	52.8	62.6	54.6	46.8
C.I (95%)	(37.5 - 59.6)	(41.5 - 63.9)	(55.8 - 69.0)	(47.7 - 61.3)	(40.8 - 53.0)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 27-5/ SUPPLEMENT 4

**Percent of Hawaiian smokers aged 18+ who ever tried to quit smoking  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT	40		174	108	126
NOT	23		81	64	138
TOTAL	63		255	172	264

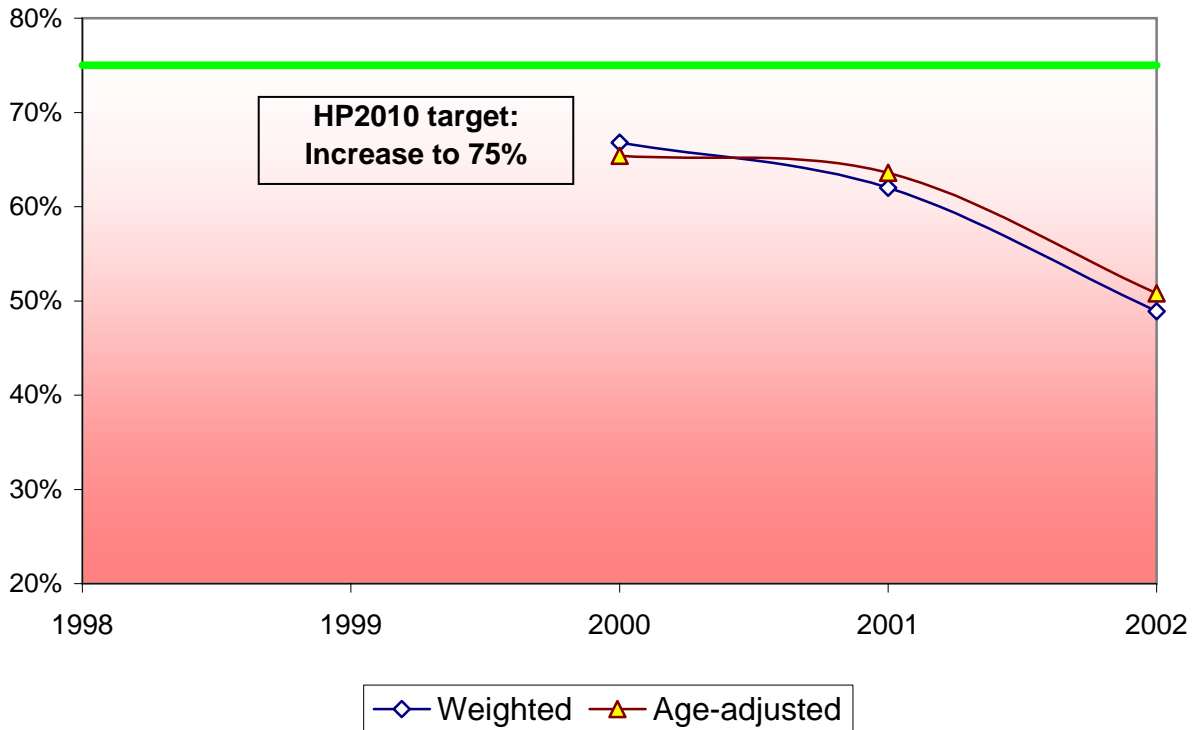
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	61.8		68.8	63.5	53.5
<b>C.I (95%)</b>	(43.5 - 77.3)		(60.2 - 76.3)	(52.6 - 73.3)	(45.0 - 61.8)
<b>Age-adjusted percent</b>	59.2		67.4	65.1	50.2
<b>C.I (95%)</b>	(42.3 - 74.2)		(58.6 - 75.1)	(54.1 - 74.8)	(42.1 - 58.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-5/ SUPPLEMENT 5**

**Percent of Filipino smokers aged 18+ who ever tried to quit smoking Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT			83	67	72
NOT			47	39	80
TOTAL			130	106	152

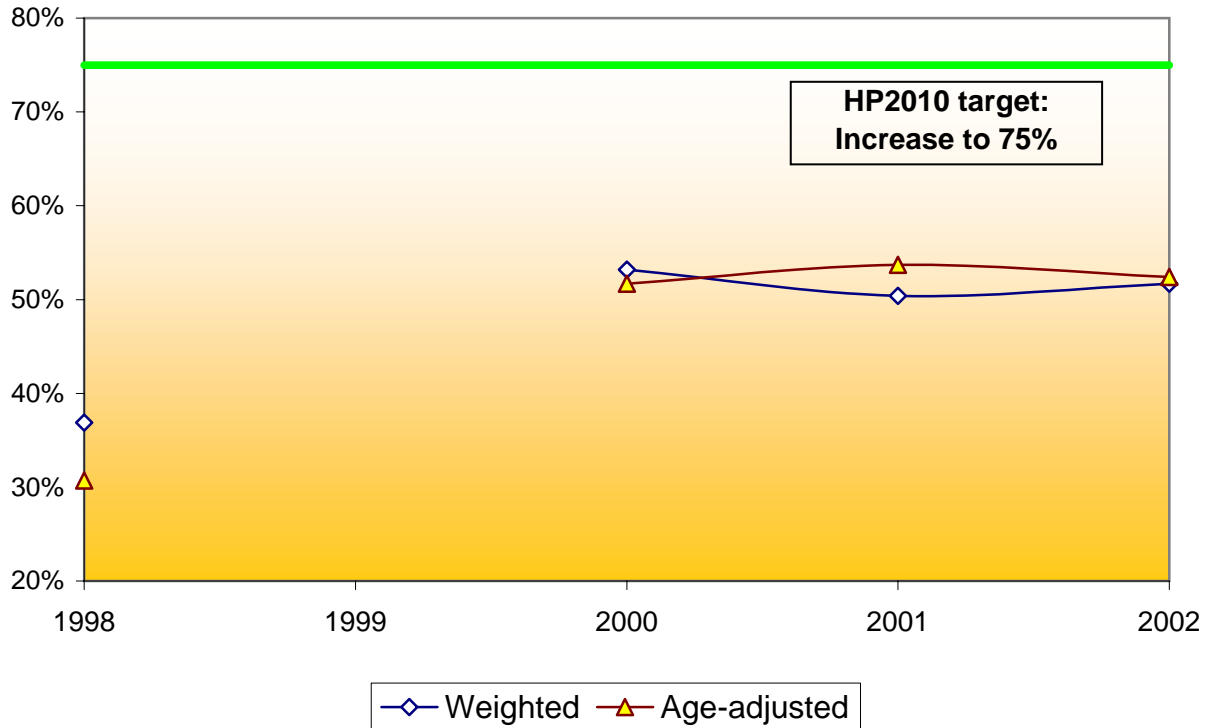
PERCENT	1998	1999	2000	2001	2002
Weighted percent			66.8	62.0	48.9
C.I (95%)			(54.4 - 77.2)	(48.9 - 73.5)	(37.7 - 60.3)
Age-adjusted percent			65.4	63.6	50.8
C.I (95%)			(52.6 - 76.3)	(51.5 - 74.2)	(40.9 - 60.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



## OBJECTIVE 27-5/ SUPPLEMENT 6

**Percent of Japanese smokers aged 18+ who ever tried to quit smoking  
Hawaii, 1998-2002**



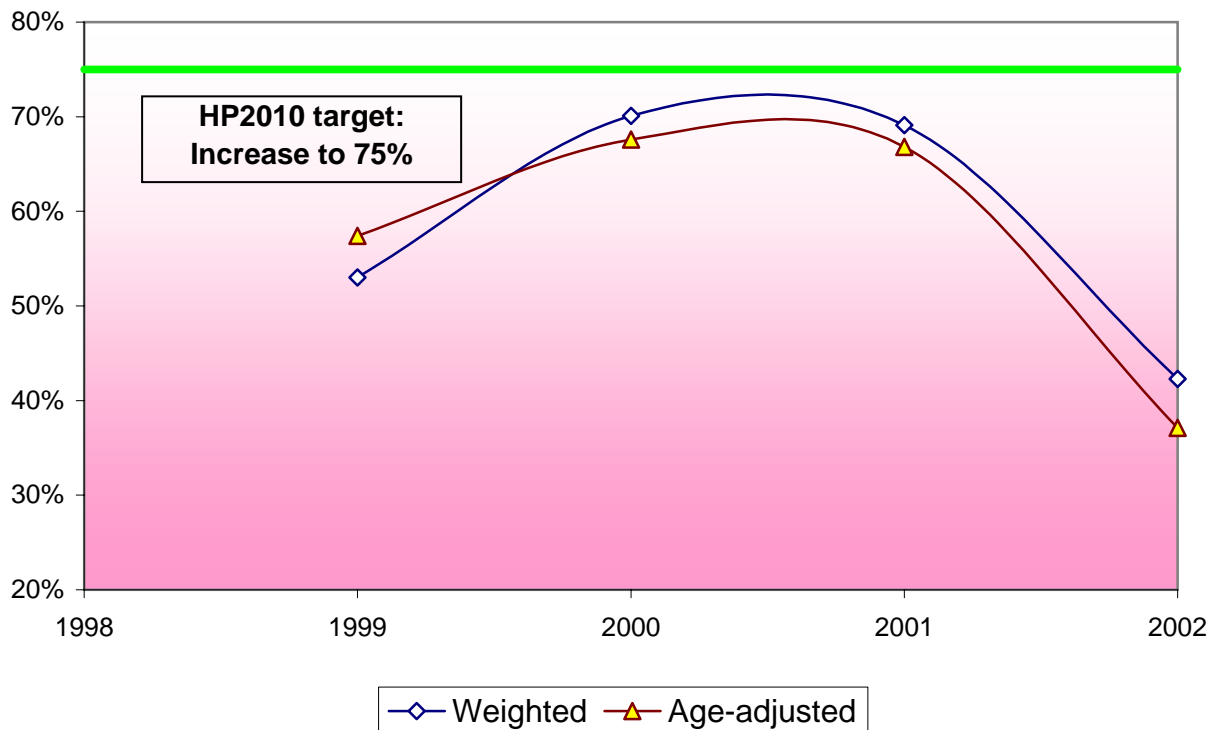
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT	26		88	67	80
NOT	43		69	67	82
TOTAL	69		157	134	162

PERCENT	1998	1999	2000	2001	2002
Weighted percent	36.9		53.2	50.4	51.7
C.I (95%)	(23.5 - 52.6)		(42.6 - 63.5)	(39.3 - 61.4)	(41.7 - 61.6)
Age-adjusted percent	30.7		51.7	53.7	52.4
C.I (95%)	(20.2 - 43.7)		(42.0 - 61.4)	(43.1 - 63.9)	(42.9 - 61.6)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-5/ SUPPLEMENT 7**

**Percent of smokers of other races aged 18+ who ever tried to quit smoking  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT		58	100	70	63
NOT		61	48	40	74
TOTAL		119	148	110	137

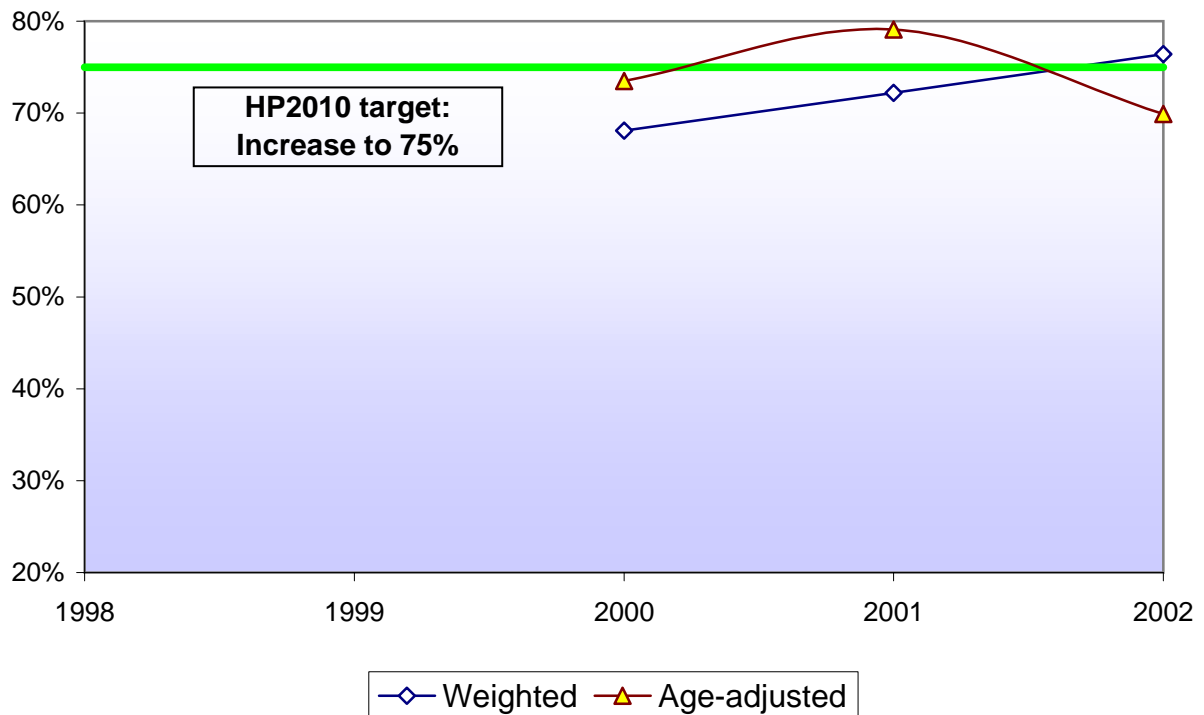
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent		53.0	70.1	69.1	42.3
C.I (95%)		(41.3 - 64.3)	(59.8 - 78.7)	(56.9 - 79.1)	(32.7 - 52.5)
Age-adjusted percent		57.4	67.6	66.8	37.1
C.I (95%)		(47.5 - 66.7)	(56.4 - 77.0)	(55.1 - 76.8)	(29.4 - 45.5)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 27-5/ SUPPLEMENT 8

**Percent of smokers aged 18+ in low income household who ever tried to quit smoking  
Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT			60	40	37
NOT			31	20	13
TOTAL			91	60	50

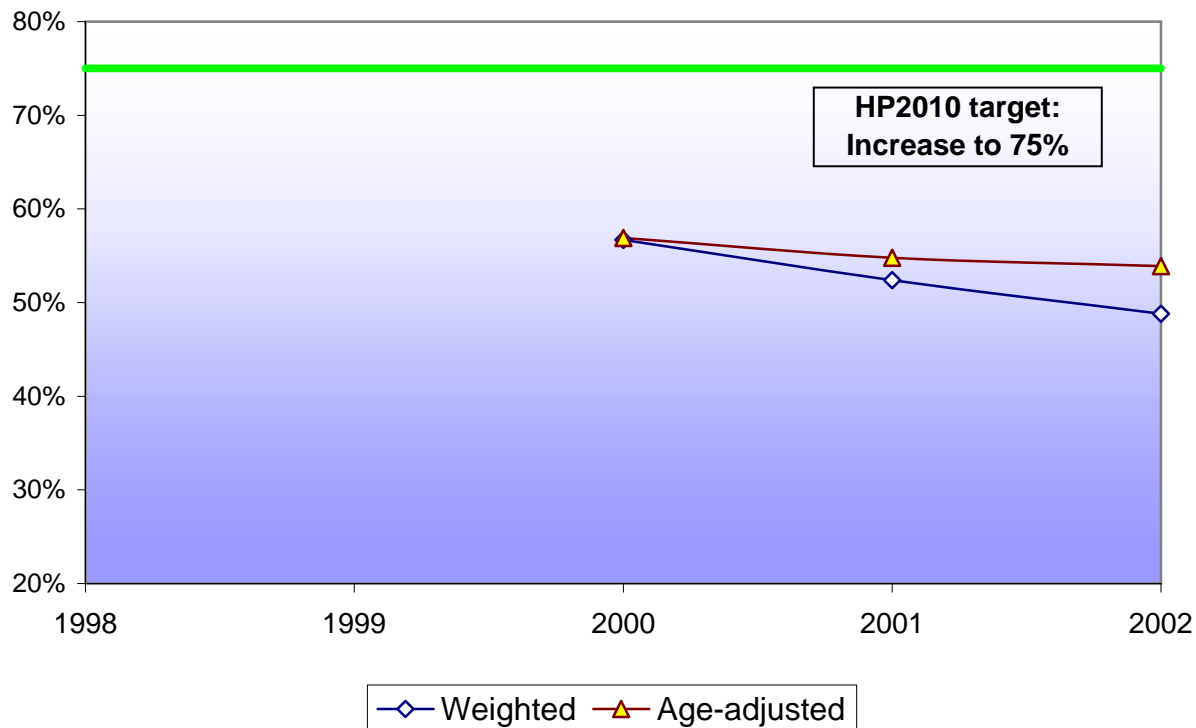
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent			68.1	72.2	76.4
C.I (95%)			(53.6 - 79.8)	(56.0 - 84.2)	(59.0 - 87.9)
Age-adjusted percent			73.5	79.1	69.9
C.I (95%)			(59.5 - 84.0)	(66.7 - 87.8)	(54.1 - 82.1)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## OBJECTIVE 27-5/ SUPPLEMENT 9

**Percent of smokers with less education who tried to quit smoking  
Hawaii, 1998-2002**



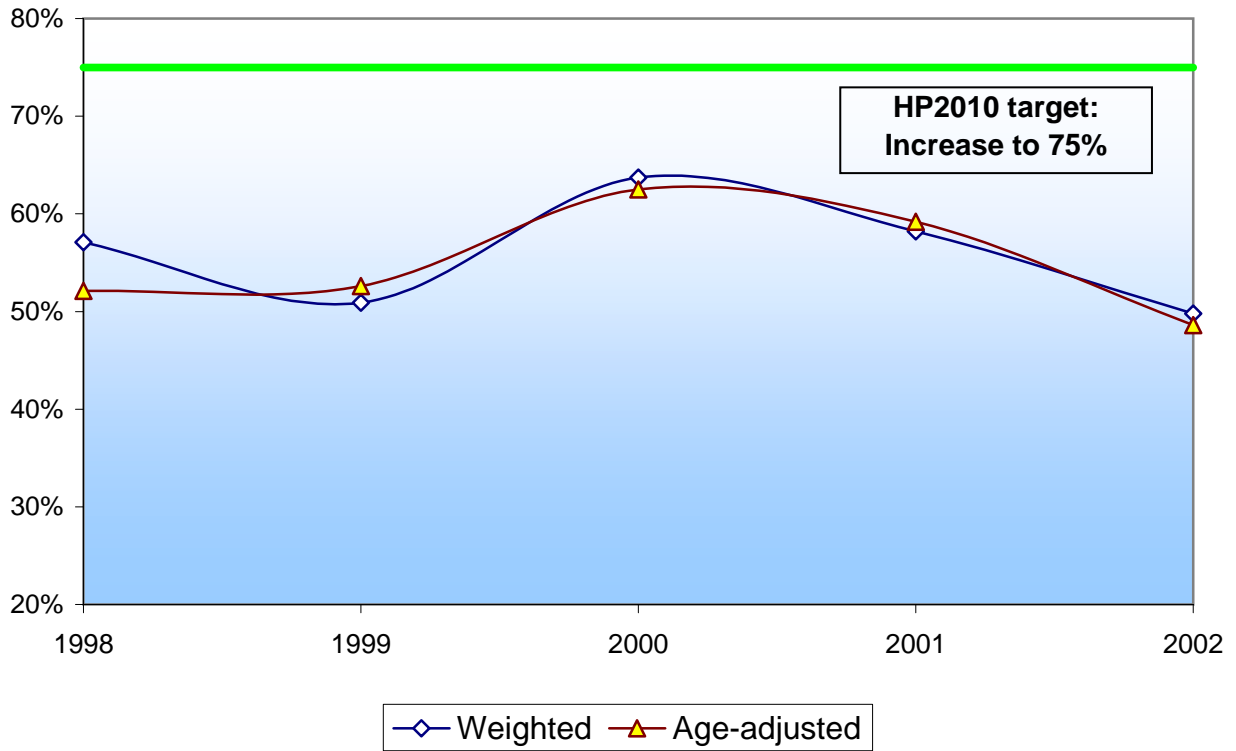
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT			42	33	36
NOT			38	30	38
TOTAL			80	63	74

PERCENT	1998	1999	2000	2001	2002
Weighted percent			56.7	52.4	48.8
C.I (95%)			(41.4 - 70.9)	(35.8 - 68.4)	(32.9 - 64.9)
Age-adjusted percent			56.9	54.8	53.9
C.I (95%)			(41.7 - 70.9)	(41.8 - 67.2)	(40.4 - 66.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-5/ SUPPLEMENT 10**

**Percent of smokers aged 18+ who ever tried to quit smoking  
Honolulu county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT	81	67	301	201	250
NOT	73	76	172	152	246
TOTAL	154	143	473	353	496

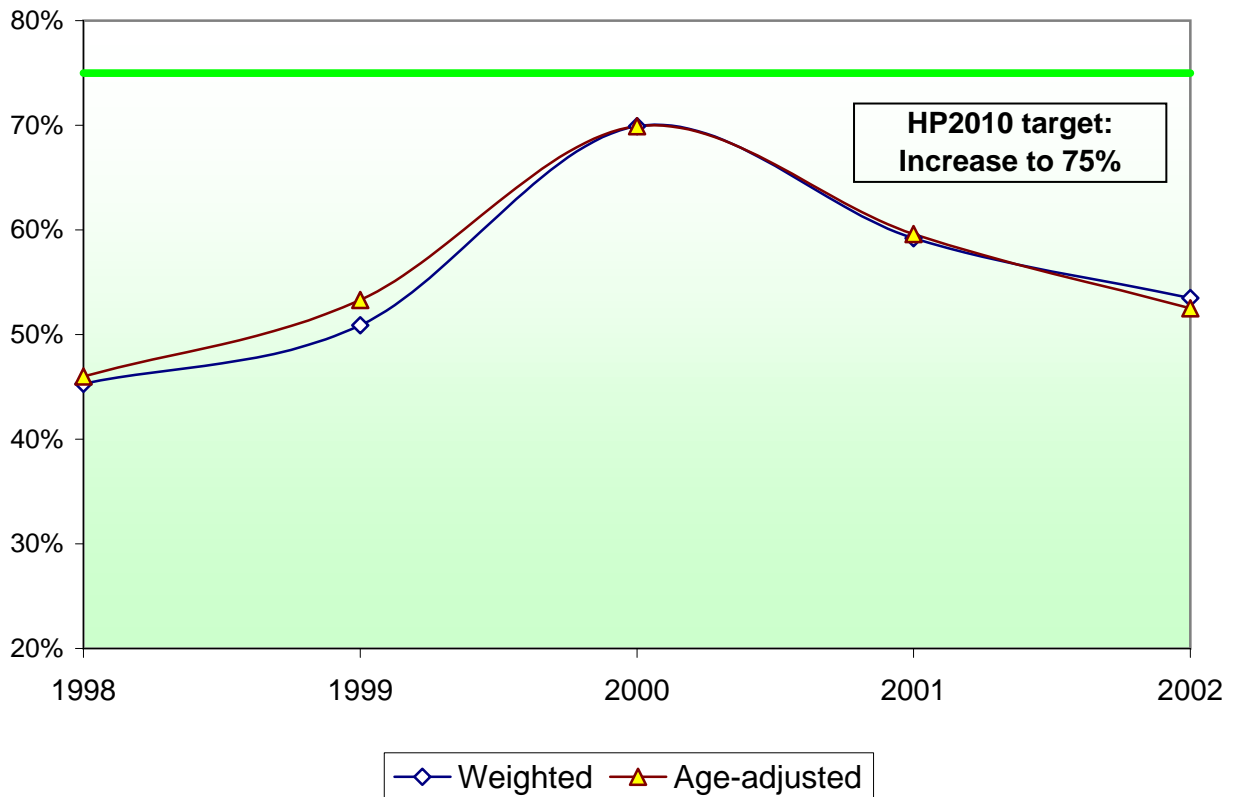
  

PERCENT	1998	1999	2000	2001	2002
Weighted percent	57.1	50.9	63.7	58.2	49.8
C.I (95%)	(47.7 - 66.0)	(41.6 - 60.1)	(58.4 - 68.8)	(52.1 - 64.0)	(44.5 - 55.0)
Age-adjusted percent	52.1	52.6	62.5	59.2	48.6
C.I (95%)	(43.4 - 60.7)	(43.1 - 62.0)	(56.9 - 67.8)	(53.1 - 64.9)	(43.1 - 54.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-5/ SUPPLEMENT 11**

**Percent of smokers aged 18+ who ever tried to quit smoking  
Hawaii county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT	44	42	220	126	144
NOT	50	45	102	95	134
TOTAL	94	87	322	221	278

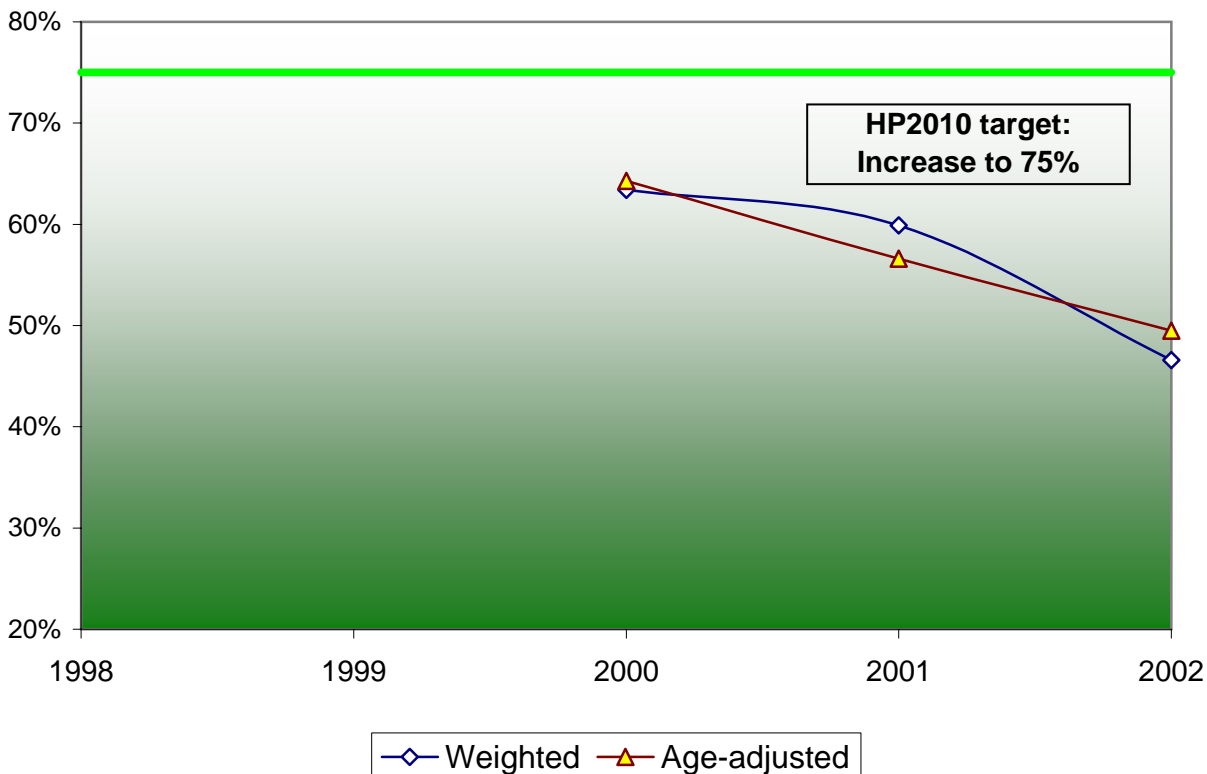
  

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	45.3	50.9	69.9	59.2	53.5
<b>C.I (95%)</b>	(34.3 - 56.8)	(38.5 - 63.1)	(63.8 - 75.4)	(51.6 - 66.4)	(46.6 - 60.4)
<b>Age-adjusted percent</b>	46.0	53.3	69.9	59.6	52.5
<b>C.I (95%)</b>	(35.0 - 57.3)	(40.1 - 66.1)	(63.8 - 75.4)	(51.9 - 66.9)	(45.1 - 59.8)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-5/ SUPPLEMENT 12**

**Percent of smokers aged 18+ who ever tried to quit smoking  
Kauai county, Hawaii, 1998-2002**



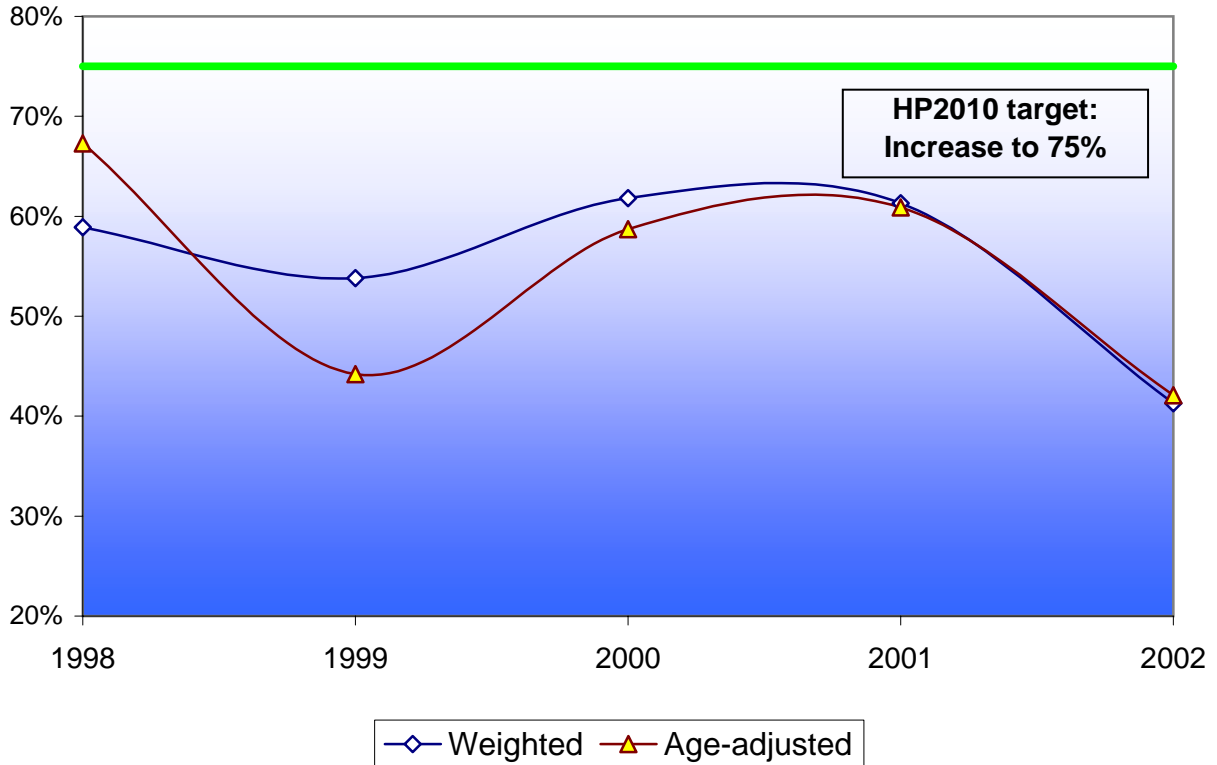
NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT			68	71	59
NOT			42	54	68
TOTAL			110	125	127

PERCENT	1998	1999	2000	2001	2002
Weighted percent			63.4	59.9	46.6
C.I (95%)			(52.9 - 72.8)	(49.6 - 69.4)	(36.5 - 56.9)
Age-adjusted percent			64.3	56.6	49.5
C.I (95%)			(53.5 - 73.8)	(46.5 - 66.2)	(38.9 - 60.2)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health

## **OBJECTIVE 27-5/ SUPPLEMENT 13**

**Percent of smokers aged 18+ who ever tried to quit smoking  
Maui county, Hawaii, 1998-2002**



NUMBER OF RESPONDENTS	1998	1999	2000	2001	2002
TRIED TO QUIT	34	27	140	142	119
NOT	30	23	92	93	182
TOTAL	64	50	232	235	301

PERCENT	1998	1999	2000	2001	2002
<b>Weighted percent</b>	58.9	53.8	61.8	61.3	41.3
<b>C.I (95%)</b>	(43.5 - 72.7)	(38.2 - 68.7)	(53.2 - 69.7)	(53.7 - 68.5)	(34.6 - 48.4)
<b>Age-adjusted percent</b>	67.3	44.2	58.7	60.9	42.1
<b>C.I (95%)</b>	(54.3 - 78.2)	(32.4 - 56.7)	(51.4 - 65.7)	(53.5 - 67.9)	(35.2 - 49.3)

Source: Hawaii Behavioral Risk Factor Surveillance System  
State of Hawaii, Department of Health



**APPENDIX A**  
**APPENDIX B**  
**REFERENCES**

## APPENDIX A

- **Access to Quality Health service**

**Objective 1.1:**

*Increase the proportion of persons under age 65 years with health insurance to 100%.*

Question used to obtain the data:

*Do you have any kind of health care coverage, including health insurance, prepaid plans such as HMOs, or government plan such as Medicare?*  
(HLTHPLAN)

*Age-adjusted by distribution #22*

**Objective 1.4c:**

*Increase the proportion of adults aged 18 years and older who have a specific source of ongoing care to 96%.*

Question used to obtain the data:

*Is there a place that you usually go when you are sick or need advice about your health?*

*What kind of place is it: a clinic, doctor's office, emergency room, or some other place?*

(FACILIT3 for 02)

*Age-adjusted by distribution #9*

- **Cancer**

**Objective 3-11a**

*Increase the proportion of women aged 18 years and older who have ever received a Pap test to 97%.*

Question used to obtain the data:

*Have you ever had a pap smear?*

(HADPAP)

*Age-adjusted by distribution #9*

**Objective 3-11b**

*Increase the proportion of women aged 18 years and older who have ever received a Pap test within the preceding 3 years to 90%.*

Question used to obtain the data:

*How long has it been since your last pap smear?*

(LASTPAP)

*Age-adjusted by distribution #9*

**Objective 3-12a**

*Increase the proportion of adults aged 50 years and older who have received a fecal occult blood test (FOBT) within the preceding 2 years to 50%.*

Question used to obtain the data:

*A blood stool test is a test that may use a special kit at home to determine whether the stool contains blood. Have you ever had this test using a home kit?*

*How long has it been since your last blood stool test using a home kit?*

(BLDSTOOL, LSTBLDST for 99; BLDSTOOL, LSTBLDS2 for 01:02)

*Age-adjusted by distribution #17*

**Objective 3-12b**

*Increase the proportion of adults aged 50 years and older who have ever received a sigmoidoscopy to 50%.*

Question used to obtain the data:

*Sigmoidoscopy and colonoscopy are exams in which a tube is inserted in the rectum to view the bowel for signs of cancer or other health problems. Have you ever had either of these exams?*

(HADSIGM for 99; HADSIGM2 for 01:02)

*Age-adjusted by distribution #17*

**Objective 3-13**

Increase the proportion of women aged 40 years and older who have received a mammogram within the preceding 2 years to **70%**.

**Question used to obtain the data:**

*Have you ever had a mammogram?*

*How long has it been since your last mammogram?*

(HADMAM, HOWLONG)

Age-adjusted by distribution #15

- **Diabetes**

**Objective 5-1**

Increase the proportion of persons with diabetes who receive formal diabetes education to **60%**.

**Question used to obtain the data:**

*Have you ever taken a course or class in how to manage your diabetes yourself?*

(DIABEDU for 00:01:02)

Age-adjusted by distribution #9

**Objective 5-3**

Reduce the overall rate of diabetes that is clinically diagnosed to **2.5%**.

**Question used to obtain the data:**

*Have you ever been told by a doctor, a nurse or a health professional that you have diabetes?*

(DIABETES)

Age-adjusted by distribution #9

**Objective 5-12**

Increase the proportion of adults with diabetes who have a glycosylated hemoglobin measurement at least once a year to **50%**.

**Question used to obtain the data:**

*About how many times in the last year has a doctor, nurse, or other health professional checked you for glycosylated hemoglobin "A one C"?*

(CHKHEMO for 98:99; CHKHEMO2 for 00:01:02)

Age-adjusted by distribution #9

**Objective 5-13**

Increase the proportion of adults (aged 18+) with diabetes who have an annual dilated eye examination to **75%**.

**Question used to obtain the data:**

*When was the last time you had an eye exam in which the pupils were dilated?*

(EYEEXAM)

Age-adjusted by distribution #9

**Objective 5-14**

Increase the proportion of adults with diabetes who have at least an annual foot examination to **75%**.

**Question used to obtain the data:**

*About how many times in the last year has a other health professional checked your feet for any sores or irritations?*

(FEETCHK)

Age-adjusted by distribution #9

- **Heart Disease and Stroke**

**Objective 12-9**

Reduce the proportion of adults (aged 20+) with high blood pressure to **16%**.

**Question used to obtain the data:**

*Have you ever been told by a doctor, nurse or other health professional that you have high blood pressure?*

(BPHIGH for 99; BPHIGH2 for 01)

Age-adjusted by distribution #11

**Objective 12-14**

Reduce the proportion of adults (aged 20+) with high total blood cholesterol levels to **17%**.

**Question used to obtain the data:**

*Have you ever been told by a doctor, nurse or other professional health that your blood cholesterol is high?*

(TOLDHI for 99. Use calculated variable \_RFCHOL for 01)

Age-adjusted by distribution #11

**Objective 12-15**

Increase the proportion of adults who have had their blood cholesterol checked within the preceding 5 years to **80%**.

**Question used to obtain the data:**

*About how long has it been since you last had your blood cholesterol checked?*

(Use calculated variable \_CHOLCHK for 99:01)

Age-adjusted by distribution #9

- **Immunization**

**Objective 14-29a & 14-29b**

Increase the proportion of adults aged 65 years and older who are vaccinated annually against influenza and ever vaccinated against pneumococcal disease to **90%**.

Age-adjusted by distribution #18

**Objective 14-29c & 14-29d**

Increase the proportion of adults aged 18 to 64 who are vaccinated annually against influenza and ever vaccinated against pneumococcal disease to **60%**.

Age-adjusted by distribution #22

**Questions used to obtain the data for these objectives above:**

*During the past 12 months have you had a flu shot?*

(FLUSHOT for 99, 01:02)

*Have you ever had a pneumonia shot?*

(PNEUMVAC for 99, PNEUVAC2 for 01:02)

- **Nutrition and Overweight**

**Objective 19-1**

Increase the proportion of adults (aged 20+) who are at healthy weight to **60%**.

**Objective 19-2**

Reduce the proportion of adults (aged 20+) who are obese to **15%**.

**Questions used to obtain the data for the two above objectives:**

*About how much do you weight without shoes?*

*About how tall are you without shoes?*

(Use calculated variable \_BMI for 98:99, \_BMI2 for 00:01:02)

Age-adjusted by distribution #11

**Objective 19-5**

Increase the proportion of persons (aged 2 years and older) who consume at least two daily servings of fruit to **75%**.

**Question used to obtain the data:**

*Not counting juice, how often do you eat fruit?*

(FRUIT for 98:00:01:02)

Age-adjusted by distribution #9

**Objective 19-6**

Increase the proportion of persons (aged 2 years and older) who consume at least three daily servings of vegetables, with at least one-third being dark green or orange vegetables to **50%**.

**Questions used to obtain the data:**

*How often do you eat green salad?*

*How often do you eat carrots?*

*Not counting carrots, potatoes or green salad, how many servings of vegetables do you usually eat?*

(GREENSAL, CARROTTTS, VEGETABL for 98:00:01:02)

*Age-adjusted by distribution #9*

- **Oral health**

- **Objective 21-3**

- Increase the proportion of adults (aged 35 - 44) who have never had a permanent tooth extracted because of dental caries or periodontal disease to **42%**.

- **Objective 21-4**

- Reduce the proportion of older adults (aged 65 to 74) who have had all their natural teeth extracted to **20%**.

- Question used to obtain the data:

- *How many of your permanent teeth have been removed because of tooth decay or gum disease? Do not include teeth lost for other reasons such as injury or orthodontics.*

- (RMVTEETH for 99:02)

- **Objective 21-10**

- Increase the proportion of children and adults who use the oral health care system each year to **56%**.

- Question used to obtain the data:

- *How long has it been since you last visited a dentist or a dental clinic for any reason?*

- (LASTDEN2 for 99:02)

- **Physical Activity**

- **Objective 22-1**

- Reduce the proportion of adults who engage in no leisure-time physical activity to **20%**.

- Question used to obtain the data:

- *During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?*

- (Use the calculated variable \_totinda for 00:01:02, use EXERANY for 98:99)

- *Age-adjusted by distribution #9*

- **Objective 22-2**

- Increase the proportion of adults who engage regularly, preferably daily, in moderate physical activity for at least 30 minutes per day to **30%**.

- Questions used to obtain the data:

- *How many days per week do you do these moderate activities for at least 10 minutes at a time?*

- *On days when you do moderate activities for at least 10 minutes at a time, how much total time per day do you spend doing these activities?*

- (Use the calculated variable \_rfpamod for 01:02)

- *Age-adjusted by distribution #9*

- **Objective 22-3**

- Increase the proportion of adults who engage in vigorous physical activity that promotes the development and maintenance of cardiorespiratory fitness 3 or more days per week for 20 or more minutes per occasion to **30%**.

- Questions used to obtain the data:

- *How many days per week do you do these vigorous activities for at least 10 minutes at a time?*

- *On days when you do vigorous activities for at least 10 minutes at a time, how much total time per day do you spend doing these activities?*

(Use the calculated variable \_rfpavig for 01:02)  
Age-adjusted by distribution #9

- **Substance abuse**

- Objective 26-11c**

- Reduce the proportion of persons engaging in binge drinking of alcoholic beverages to **6%**.

- Question used to obtain the data:

- During the past 30 days, on how many days did you have 5 or more drinks on the same occasion? By “occasion,” we mean at the same time or within a couple of hours of each other.*

- (DRINKGE5 for 98: 99, use the calculated variable \_rfbing for 01, \_rfbing2 for 02)

- Age-adjusted by distribution #9

- **Tobacco Use**

- Objective 27-1**

- Reduce tobacco use by adults to **12%**.

- Question used to obtain the data:

- Do you now smoke cigarettes everyday, some days, or not at all?*

- (\_SMOKER2)

- Age-adjusted by distribution #9

- Objective 27-5**

- Increase smoking cessation attempts by adult smokers to **75%**.

- Question used to obtain the data:

- During the past 12 months, have you stopped smoking for one day or longer because you were trying to quit smoking?*

- (STOPSMOK for 98:99:00, STOPSMK2 for 01:02)

- Age-adjusted by distribution #9

## APPENDIX B

**Age distribution and age-adjustment weights based on the 2000 projected U.S population used in this report (from the HEALTHY PEOPLE 2010 Statistical Notes).**

**Distribution #9 :**

Age	Population in thousands	Age Adjustment weight
<b>18 years and over.....</b>	<b>203,851</b>	<b>1.000000</b>
18-24 years .....	26,258	0.128810
25-34 years .....	37,233	0.182648
35-44 years .....	44,659	0.219077
45-54 years .....	60,991	0.299194
65 years and over .....	34,710	0.170271

**Distribution #11 :**

Age	Population in thousands	Age Adjustment weight
<b>20 years and over.....</b>	<b>195,850</b>	<b>1.000000</b>
20-29 years .....	35,979	0.183707
30-39 years .....	41,691	0.212872
40-49 years .....	42,285	0.215905
50-59 years .....	30,531	0.155890
60-69 years .....	20,064	0.102446
70-79 years .....	16,141	0.082415
80 years and over .....	9,159	0.046765

**Distribution #15 :**

Age	Population in thousands	Age Adjustment weight
<b>40 years and over.....</b>	<b>118,180</b>	<b>1.000000</b>
40-49 years .....	42,285	0.357802
50-64 years .....	41,185	0.348494
65 years and over .....	34,710	0.293704

**Distribution #17 :**

Age	Population in thousands	Age Adjustment weight
<b>50 years and over.....</b>	<b>75,895</b>	<b>1.000000</b>
50-64 years .....	41,185	0.542658
65 years and over .....	34,710	0.457342

**Distribution #18 :**

Age	Population in thousands	Age Adjustment weight
<b>65 years and over.....</b>	<b>34,710</b>	<b>1.000000</b>
65-74 years .....	18,136	0.522501
75 years and over .....	16,574	0.477499

**Distribution #22 :**

Age	Population in thousands	Age Adjustment weight
<b>18 -64 years .....</b>	<b>169,141</b>	<b>1.000000</b>
18-24 years .....	26,258	0.155243
25-34 years .....	37,233	0.220130
35-44 years .....	44,659	0.264034
45-64 years .....	60,991	0.360593

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**Age Adjustment Using the 2000 Projected U.S. Population**  
*Richard J. Klein, M.P.H., and Charlotte A. Schoenborn, M.P.H.*



## **Tracking Hawaii's Progress Toward Healthy People 2010 Measured from HBRFSS**

This publication is available on the World Wide Web at  
the Hawaii Behavioral Risk Factor Surveillance System site  
<http://www.state.hi.us/doh/stats/surveys/brfss.html>.



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