



HBRFSS

Survey Shows...

**The Hawaii Behavioral Risk Factor Surveillance System
Special Report**

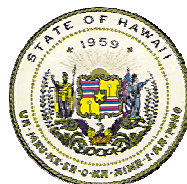
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Hawaii Communities' Progress Toward Healthy People 2010

Derived from HBRFSS 2005-2007

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State of Hawaii

Acknowledgement

We 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. We would also like to acknowledge the survey interviewers for their perseverance and dedication in on-going data gathering. Finally, we would also like to thank Dr. Chiyome Leinaala Fukino, Director of Health and Susan C. Jackson, Deputy Director of Health at DOH for their support.

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://hawaii.gov/health/statistics/brfss/index.html>. If the information you are looking is not on the website, you may contact the state BRFSS coordinator via e-mail at brfsshi@doh.hawaii.gov or via phone at 808-586-4509.

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In reply, please refer to:
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ALOHA FROM THE DIRECTOR

The State Department of Health is pleased to present this report *Hawaii Communities' Progress Toward Healthy People 2010 Derived from HBRFSS 2005-2007*.

Healthy People 2010 is a set of national health objectives designed to identify the most significant preventable threats to health and to establish national goals to reduce these threats by year 2010.

The Hawaii Behavioral Risk Factor Surveillance System (HBRFSS) provides indicators that cover ten health areas and thirty Healthy People 2010 objectives. This report uses the three year data from 2005 to 2007 of HBRFSS to examine the progress of Hawaii communities for these objectives. For this report, the state of Hawaii is geographically divided into twenty-four communities or sub-areas. Honolulu County has 13 sub-areas, Hawaii County has 4, Kauai County has 2, and Maui County has 5. The information at small area level can be an important resource for the planning, evaluation and implementation of health programs that promote quality of life and prevent premature death or disability, particularly in the local communities of our state.

This report would have not been made possible without the survey participation of the people of Hawaii. We highly appreciate their contribution. Together we can work for a healthier Hawaii.

Sincerely,

A handwritten signature in dark ink, appearing to read "Chiyome Leinaala Fukino". The signature is fluid and cursive, written over a light background.

Chiyome Leinaala Fukino, M.D.
Director of Health

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Executive Summary

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

1. In Honolulu County, the area of Nanakuli/Waianae has significantly lower percentage of adults aged 18 to 64 with health insurance compared to other areas. It also has the highest percentages of adults who are with diabetes, obesity, and are smoking. These percentages are significantly higher than those of others.

For cancer prevention, women in Ala Moana area had a lowest rate of having Pap Smear. In having a sigmoidoscopy, adults aged 50 years old and older in Nanakuli/Waianae, Nuuanu/Kalihi/MoanaLoa, Waipahu/Kapolei/Ewa are under the goal of 50%.

Wailae/Kahala/HawaiiKai has the lowest percentage of people aged 20 years old and older with obesity. It is the only community with the obese rate lower than the goal of 15% for Healthy People 2010.

2. Among four communities of Hawaii County, Puna/Ka'u has the lowest percentage of having health insurance for adults aged 18 to 64. People in Puna/Ka'u also have the highest rate of smoking, and of no leisure time physical activity.
3. There is not much difference between the two communities of Lihue-Waimea and Hanalei/Kapa'a in Kauai County in terms of their progress toward most of the objectives which are shown in this report. However, Lihue-Waimea trails behind Hanalei/Kapa'a in reducing the percentage of people who currently smoke, and who were clinically diagnosed with diabetes.

4. Among the communities in Maui County, Molokai has the lowest rate of women with Pap Smear, and with Pap Smear within the past 3 years. Molokai women aged 40 and older also have the lowest rate of receiving a mammogram in the past 2 years. Likewise, adults in Molokai also have the highest rates of smoking, binge drinking, obesity compared to those of others in Maui County.

The details of numerical results are presented in the main section of this report.

INTRODUCTION

The Behavioral Risk Factor Surveillance System (BRFSS) is an ongoing, state-based telephone surveillance system supported by Center of Disease Control and Prevention (CDC). Through a monthly interviews conducted according to the data collection protocol set by CDC, states uniformly collect data on the behaviors and conditions that place adults at risk for chronic diseases, injuries, and preventable infectious diseases that are the leading causes of morbidity and mortality in the United States The Hawaii Behavioral Risk Factor Surveillance System (HBRFSS) is a component of this nation-wide program. It has been in operation since 1986.

Healthy People 2010 is a set of health objectives for the Nation to achieve over the first decade of the new century. It can be used by many different people, States, communities, professional organizations, and others to help them develop programs to improve health. Healthy People 2010 builds on initiatives pursued over the past two decades. The 1979 Surgeon General's Report, *Healthy People*, and *Healthy People 2000: National Health Promotion and Disease Prevention Objectives* both established national health objectives and served as the basis for the development of State and community plans. Like its predecessors, Healthy People 2010 was developed through a broad consultation process, built on the best scientific knowledge and designed to measure programs over time (<http://www.healthypeople.gov/About/whatis.htm>).

In November 2007, we issued a report of "*Recent Tracking of Hawaii's Progress toward Healthy People 2010 Derived from HBRFSS 2001-2006*". It is online at http://hawaii.gov/health/statistics/brfss/reports/HP2010_0106_BM.pdf. In this report, the six year statistical data of HBRFSS, from 2001 to 2006, was used to measure the progress of Hawaii State toward the related HP2010 objectives. The prevalence was reported at state level with the supplements by gender, by ethnicity, by some socio-economic factors, and by county.

This new report is a sequel to the "*Recent Tracking of Hawaii's Progress toward Healthy People 2010 Derived from HBRFSS 2001-2006*". It contains information about the progress of every Hawaii community toward these HP2010 objectives. The purpose of this report is to provide the managers of health programs or policy makers some health information about Hawaii communities and hope that it can assist them in achieving their targets.

The information is observed from 19,583 interviews conducted from 2005 to 2007. It is related to the topics of Access to Quality Health Services, Cancer Screening, Diabetes, Heart Disease and Stroke, Immunization, Nutrition and Overweight, Oral Health, Physical Activity, Substance Abuse, Tobacco. Most of the objectives that can be tracked by data of HBRFSS are presented in this report. Due to small sample size on some communities, the results related to following objectives are not presented.

Diabetes Area

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 with diabetes who have an annual dilated eye examination to 76%.*

Objective 5.14: *Increase the proportion of adults with diabetes who have at least an annual foot examination to 91%.*

Oral health area

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 40%.*

Objective 21.4: *Reduce the proportion of older adults (aged 65 to 74) who had all their natural teeth extracted to 22%.*

FORMAT AND PRESENTATION

Communities are grouped by County. For each objective, the prevalence rate is presented in both age-adjusted and weighted percentage. The denominators of percentages include responses of the type "Do Not Know" or "Refuse". It is to comply with the definition of denominator in HP2010 objective.

The age-adjusted results are ordered descending from the most positive toward the goal. A bar chart is included to help illustrate how every community in the County is progressing to the goal.

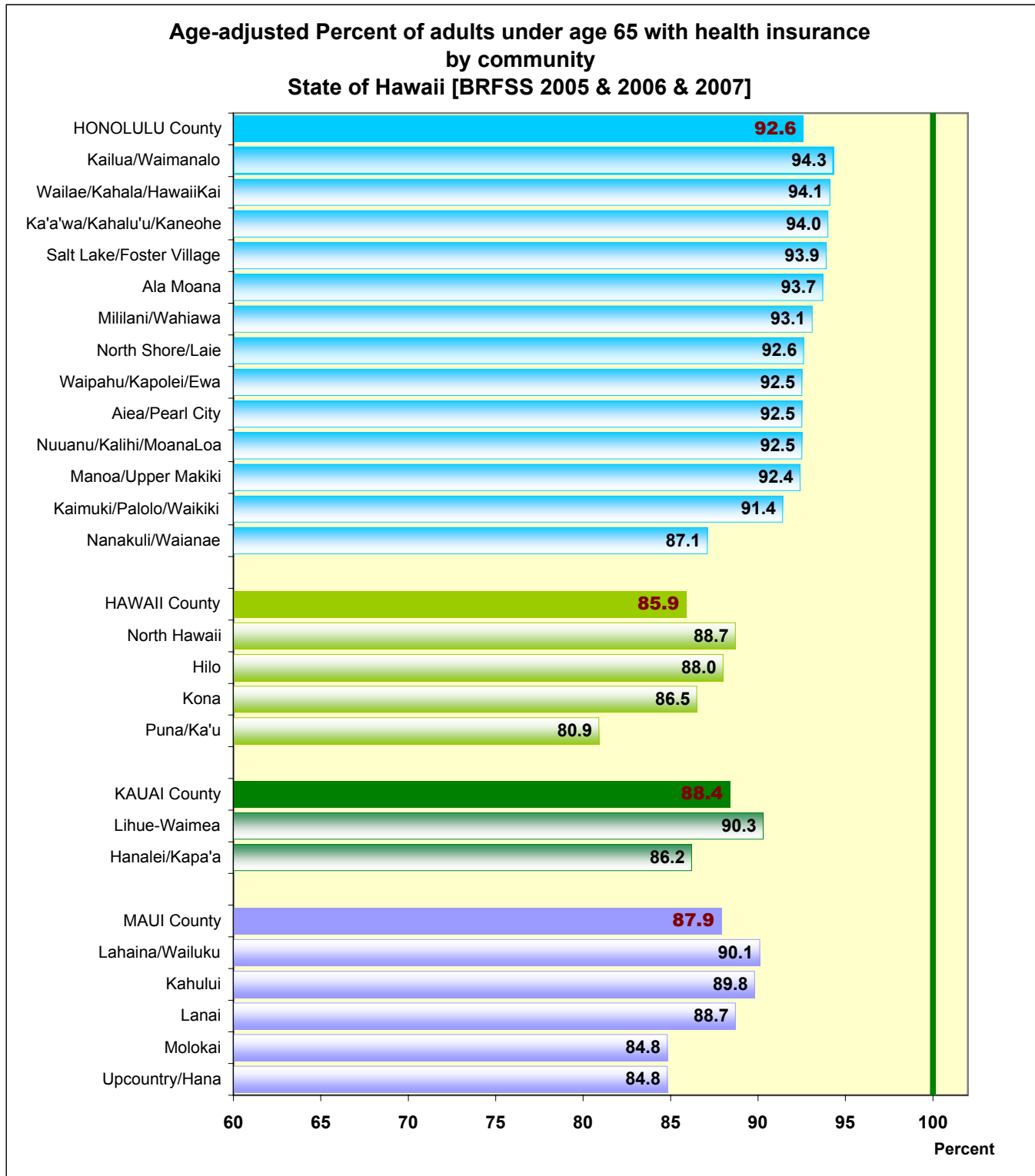
NOTES

In measuring HP2010 objectives and goals, adherence to definitions prescribed in volume I and volume II of HP2010 is followed as much as possible. However, readers are being cautioned that not all the HBRFSS variables of the questions used in measuring HP2010 objectives and goals are 100% comparable with the prescribed HP2010 definition but they are close alternatives. The HBRFSS questions and variables can be found in Appendix B, the age distribution used for age-adjusted percentages can be found in Appendix C.

Health Insurance among adults aged 18 to 64 by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Have health insurance	Total	
STATE WIDE	91.0	(90.3 - 91.7)	91.1	(90.3 - 91.7)	13,675	15,049	802,743
HONOLULU County	92.6	(91.7 - 93.4)	92.6	(91.6 - 93.4)	6,323	6,730	573,357
Kailua/Waimanalo	94.3	(90.2 - 96.7)	94.3	(89.8 - 96.9)	471	489	38,420
Wailae/Kahala/HawaiiKai	94.1	(88.6 - 97.1)	95.3	(91.2 - 97.6)	381	395	30,803
Ka'a'wa/Kahalu'u/Kaneohe	94.0	(90.7 - 96.1)	94.3	(91.3 - 96.3)	467	492	40,564
Salt Lake/Foster Village	93.9	(89.5 - 96.6)	94.2	(89.6 - 96.8)	341	353	30,227
Ala Moana	93.7	(89.7 - 96.2)	93.9	(90.6 - 96.1)	322	347	23,856
Mililani/Wahiawa	93.1	(90.4 - 95.1)	93.0	(90.1 - 95.1)	704	742	62,924
North Shore/Laie	92.6	(87.5 - 95.7)	92.4	(87.1 - 95.7)	209	226	18,194
Nuuanu/Kalihi/MoanaLoa	92.5	(89.3 - 94.9)	92.1	(88.6 - 94.5)	536	577	56,992
Aiea/Pearl City	92.5	(89.2 - 94.9)	92.1	(88.4 - 94.7)	553	591	53,682
Waipahu/Kapolei/Ewa	92.5	(90.3 - 94.3)	92.4	(90.1 - 94.1)	1,078	1,150	110,899
Manoa/Upper Makiki	92.4	(87.7 - 95.4)	92.2	(88.1 - 95.0)	462	496	33,954
Kaimuki/Palolo/Waikiki	91.4	(87.7 - 94.1)	91.7	(88.1 - 94.3)	555	601	43,850
Nanakuli/Waianae	87.1	(81.2 - 91.4)	85.4	(78.0 - 90.6)	244	271	28,992
HAWAII County	85.9	(84.3 - 87.4)	86.0	(84.3 - 87.5)	3,037	3,484	101,178
North Hawaii	88.7	(85.2 - 91.4)	88.6	(85.1 - 91.3)	760	846	22,251
Hilo	88.0	(84.9 - 90.5)	87.9	(84.6 - 90.6)	793	886	27,083
Kona	86.5	(82.7 - 89.6)	87.3	(83.9 - 90.1)	718	808	23,326
Puna/Ka'u	80.9	(77.5 - 83.9)	81.0	(77.6 - 84.0)	766	944	28,519
KAUAI County	88.4	(85.7 - 90.7)	88.7	(86.2 - 90.8)	1,321	1,485	38,266
Lihue-Waimea	90.3	(86.6 - 93.1)	90.7	(86.9 - 93.5)	744	802	22,043
Hanalei/Kapa'a	86.2	(82.2 - 89.5)	85.9	(82.4 - 88.9)	577	683	16,223
MAUI County	87.9	(86.0 - 89.6)	88.3	(86.5 - 89.8)	2,994	3,350	89,944
Lahaina/Wailuku	90.1	(86.6 - 92.7)	90.5	(87.3 - 92.9)	674	734	27,006
Kahului	89.8	(86.1 - 92.5)	89.8	(86.3 - 92.5)	693	756	27,385
Lanai	88.7	(83.9 - 92.2)	89.1	(84.4 - 92.5)	433	470	1,889
Upcountry/Hana	84.8	(80.8 - 88.1)	85.2	(81.8 - 88.1)	747	878	28,059
Molokai	84.8	(79.7 - 88.7)	85.1	(80.2 - 88.9)	447	512	5,605

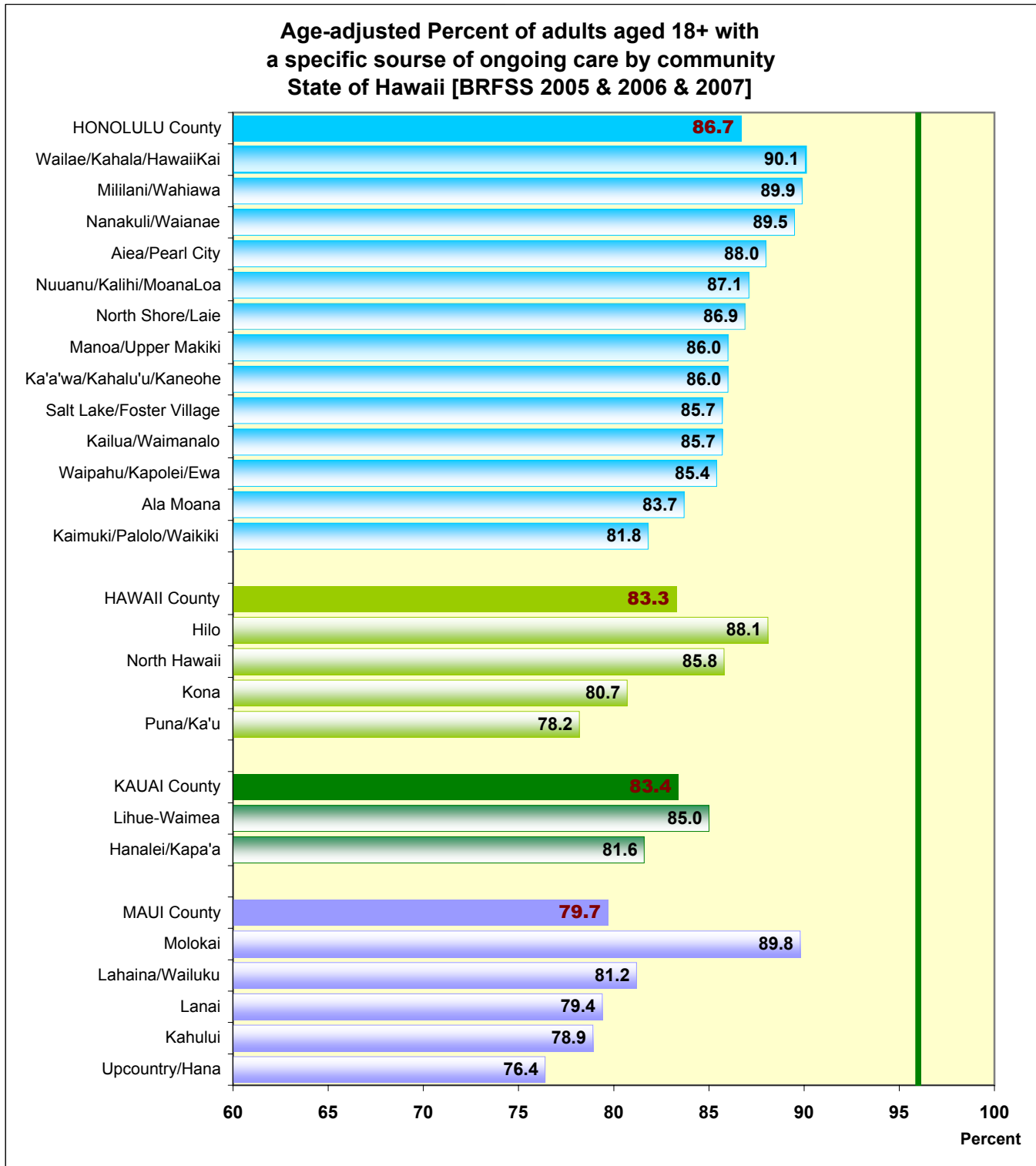
**Healthy People 2010_ Objective 1.1:
Increase the proportion of persons under age 65 years
with health insurance to 100%**



**Adults aged 18 years and older with source of ongoing care by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Have a source of ongoing care	Total	
STATE WIDE	85.4	(84.6 - 86.1)	85.8	(85.1 - 86.6)	17,135	19,583	980,308
HONOLULU County	86.7	(85.7 - 87.6)	87.1	(86.1 - 88.1)	7,991	8,911	702,485
Wailae/Kahala/HawaiiKai	90.1	(85.6 - 93.3)	91.5	(88.1 - 94.1)	532	575	41,519
Mililani/Wahiawa	89.9	(87.2 - 92.0)	89.4	(86.5 - 91.8)	793	868	70,862
Nanakuli/Waianae	89.5	(84.9 - 92.9)	88.4	(82.8 - 92.3)	304	337	33,592
Aiea/Pearl City	88.0	(84.7 - 90.6)	88.8	(85.5 - 91.4)	756	831	68,812
Nuuanu/Kalihi/MoanaLoa	87.1	(83.2 - 90.1)	87.5	(83.8 - 90.5)	728	801	70,685
North Shore/Laie	86.9	(81.6 - 90.9)	87.1	(81.4 - 91.3)	265	297	22,438
Ka'a'wa/Kahalu'u/Kaneohe	86.0	(81.5 - 89.6)	88.2	(84.0 - 91.4)	593	649	50,246
Manoa/Upper Makiki	86.0	(81.4 - 89.7)	88.8	(85.2 - 91.7)	656	720	45,899
Kailua/Waimanalo	85.7	(81.7 - 89.0)	87.3	(83.6 - 90.3)	623	690	50,346
Salt Lake/Foster Village	85.7	(81.5 - 89.0)	83.0	(78.2 - 86.9)	338	400	32,749
Waipahu/Kapolei/Ewa	85.4	(82.8 - 87.6)	84.3	(81.4 - 86.8)	1,164	1,328	123,482
Ala Moana	83.7	(78.3 - 88.0)	85.7	(81.2 - 89.3)	452	512	31,944
Kaimuki/Palolo/Waikiki	81.8	(77.7 - 85.3)	84.8	(81.2 - 87.8)	787	903	59,912
HAWAII County	83.3	(81.7 - 84.8)	83.8	(82.2 - 85.2)	3,937	4,569	124,100
Hilo	88.1	(85.4 - 90.4)	89.4	(86.8 - 91.4)	1,154	1,262	35,629
North Hawaii	85.8	(82.5 - 88.5)	85.7	(82.4 - 88.4)	938	1,075	26,516
Kona	80.7	(77.1 - 83.9)	81.6	(78.1 - 84.6)	907	1,064	28,920
Puna/Ka'u	78.2	(75.0 - 81.2)	78.1	(74.7 - 81.2)	938	1,168	33,035
KAUAI County	83.4	(80.8 - 85.8)	84.6	(82.2 - 86.8)	1,659	1,906	47,204
Lihue-Waimea	85.0	(81.5 - 88.0)	85.9	(82.3 - 88.9)	937	1,049	27,118
Hanalei/Kapa'a	81.6	(77.4 - 85.1)	82.9	(79.4 - 85.9)	722	857	20,086
MAUI County	79.7	(77.7 - 81.5)	80.4	(78.3 - 82.2)	3,548	4,197	106,521
Molokai	89.8	(85.8 - 92.7)	90.1	(86.4 - 92.9)	594	652	6,721
Lahaina/Wailuku	81.2	(77.3 - 84.6)	82.0	(78.0 - 85.5)	781	912	31,875
Lanai	79.4	(74.8 - 83.3)	79.7	(75.2 - 83.6)	487	596	2,273
Kahului	78.9	(75.3 - 82.2)	79.6	(75.8 - 82.9)	839	996	33,293
Upcountry/Hana	76.4	(72.4 - 80.0)	77.5	(73.6 - 81.0)	847	1,041	32,360

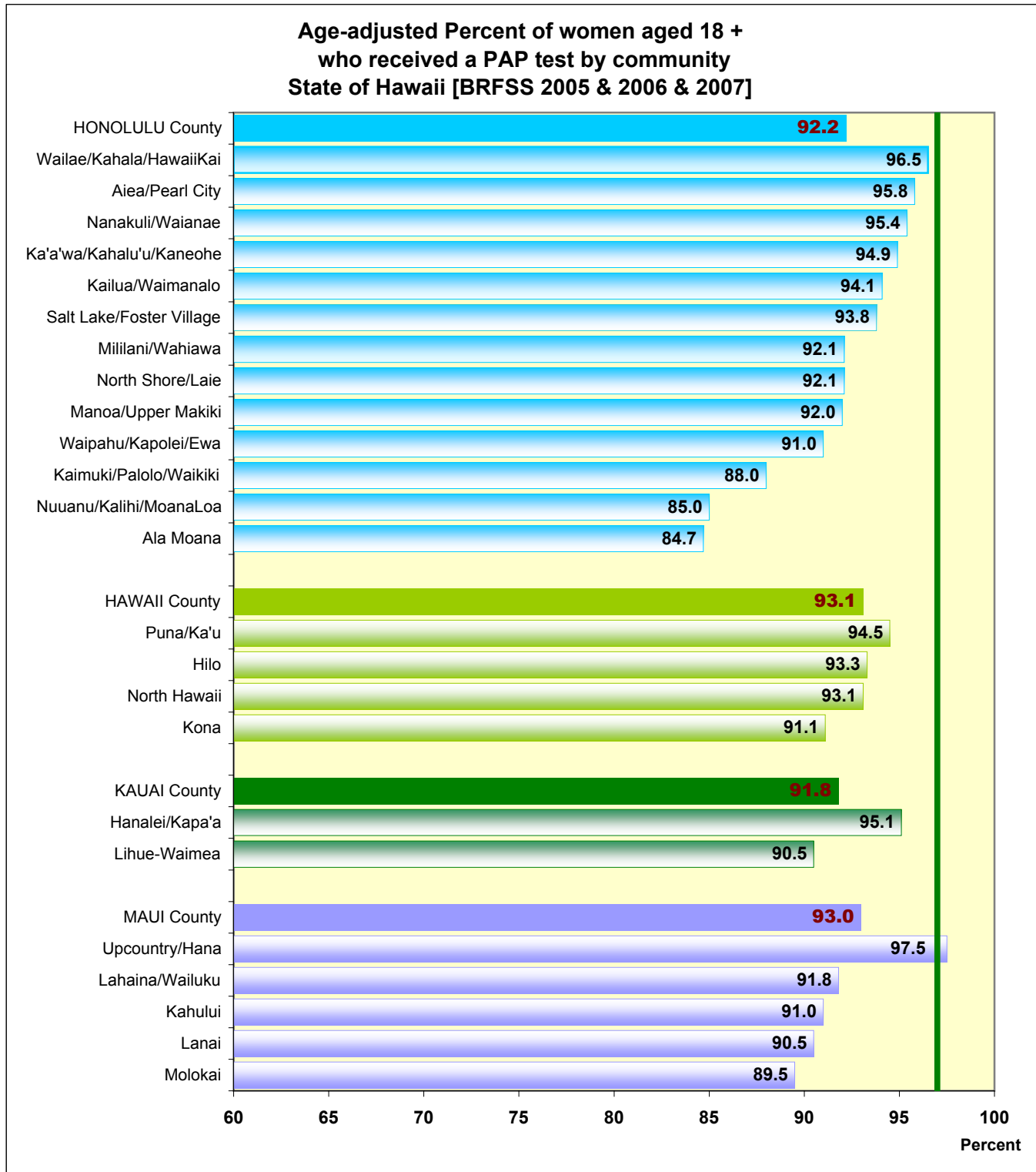
Healthy People 2010_ Objective 1.4:
Increase the proportion of adults aged 18 years and older
who have a specific source of ongoing care to 96%



**Women aged 18 years and older with PAP Smear by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Had a PAP Smear	Total	
STATE WIDE	92.4	(91.5 - 93.2)	92.6	(91.7 - 93.3)	8,839	9,391	481,386
HONOLULU County	92.2	(91.0 - 93.2)	92.4	(91.2 - 93.4)	3,955	4,217	344,388
Wailae/Kahala/HawaiiKai	96.5	(92.1 - 98.5)	96.8	(93.2 - 98.5)	272	280	20,654
Aiea/Pearl City	95.8	(91.8 - 97.9)	96.0	(92.5 - 98.0)	388	401	33,819
Nanakuli/Waianae	95.4	(91.0 - 97.7)	94.0	(88.1 - 97.0)	154	163	17,661
Ka'a'wa/Kahalu'u/Kaneohe	94.9	(90.7 - 97.3)	94.5	(90.0 - 97.0)	306	319	25,313
Kailua/Waimanalo	94.1	(89.6 - 96.7)	94.1	(89.4 - 96.8)	344	360	29,217
Salt Lake/Foster Village	93.8	(86.5 - 97.3)	94.7	(89.0 - 97.5)	177	184	15,604
North Shore/Laie	92.1	(86.0 - 95.7)	91.3	(84.5 - 95.3)	133	145	12,715
Mililani/Wahiawa	92.1	(88.1 - 94.9)	92.9	(88.9 - 95.6)	377	399	34,041
Manoa/Upper Makiki	92.0	(85.9 - 95.6)	94.1	(90.4 - 96.4)	309	330	20,823
Waipahu/Kapolei/Ewa	91.0	(87.6 - 93.5)	91.7	(88.4 - 94.1)	572	609	57,037
Kaimuki/Palolo/Waikiki	88.0	(81.5 - 92.4)	89.8	(85.7 - 92.8)	372	409	27,680
Nuuanu/Kalihi/MoanaLoa	85.0	(79.4 - 89.3)	84.8	(78.7 - 89.3)	332	376	34,049
Ala Moana	84.7	(77.1 - 90.2)	88.5	(82.3 - 92.7)	219	242	15,773
HAWAII County	93.1	(91.3 - 94.5)	93.2	(91.5 - 94.6)	2,022	2,132	61,624
Puna/Ka'u	94.5	(91.6 - 96.5)	94.0	(90.6 - 96.2)	529	555	16,112
Hilo	93.3	(89.9 - 95.5)	93.2	(90.2 - 95.4)	556	589	17,901
North Hawaii	93.1	(88.6 - 96.0)	93.8	(89.7 - 96.3)	466	492	13,474
Kona	91.1	(86.3 - 94.4)	91.8	(86.7 - 95.0)	471	496	14,136
KAUAI County	91.8	(88.5 - 94.2)	92.3	(89.4 - 94.5)	876	933	23,337
Hanalei/Kapa'a	95.1	(91.1 - 97.3)	94.6	(90.6 - 97.0)	395	413	10,093
Lihue-Waimea	90.5	(86.1 - 93.6)	90.5	(86.1 - 93.7)	481	520	13,244
MAUI County	93.0	(91.0 - 94.5)	93.2	(91.3 - 94.7)	1,986	2,109	52,039
Upcountry/Hana	97.5	(94.6 - 98.9)	97.3	(94.6 - 98.7)	512	524	16,047
Lahaina/Wailuku	91.8	(87.3 - 94.8)	92.7	(88.7 - 95.4)	458	483	16,201
Kahului	91.0	(86.5 - 94.1)	91.0	(86.3 - 94.1)	437	469	15,092
Lanai	90.5	(84.5 - 94.3)	91.2	(86.0 - 94.6)	261	283	1,013
Molokai	89.5	(85.1 - 92.7)	87.6	(82.0 - 91.6)	318	350	3,686

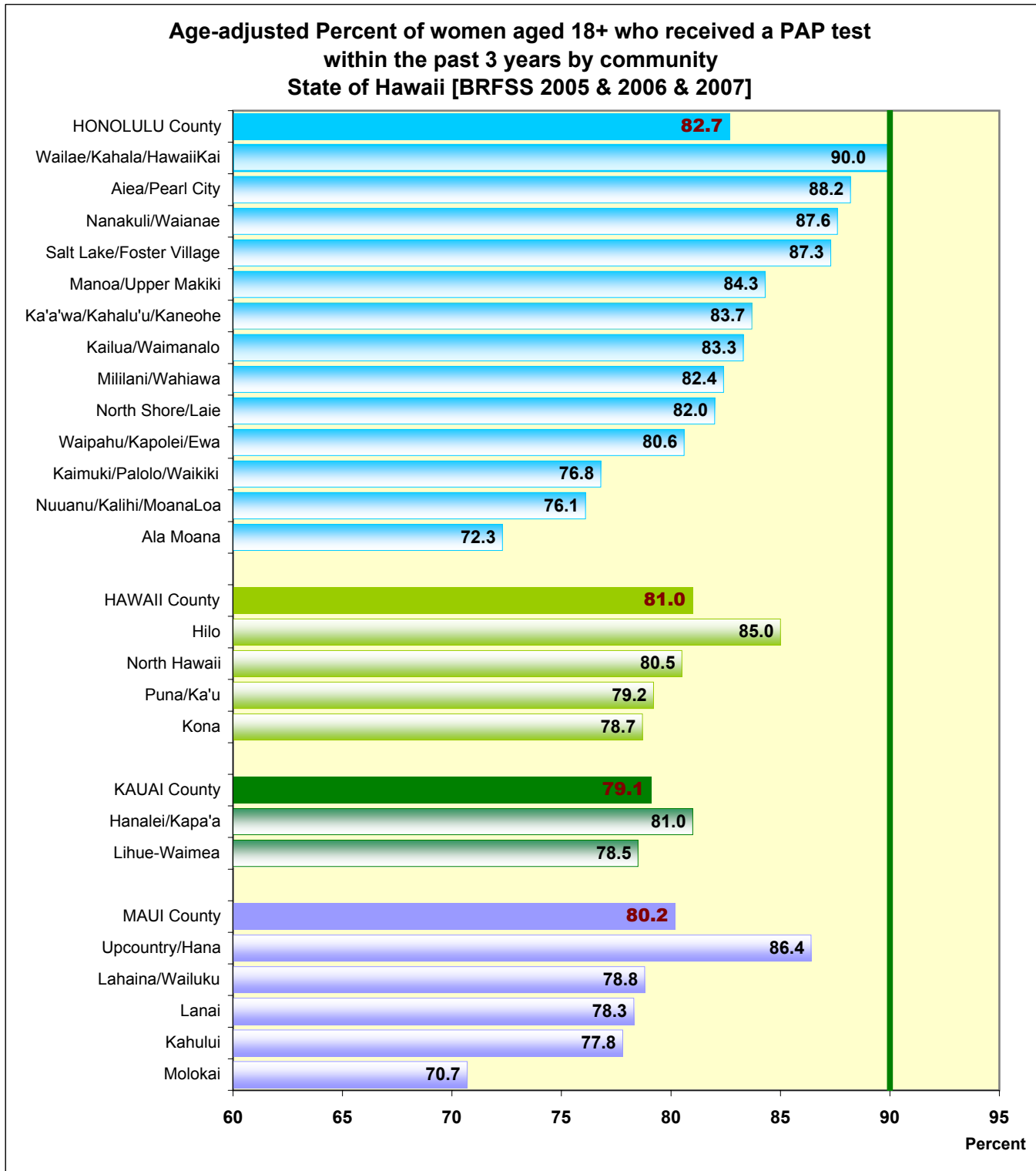
**Healthy People 2010_ Objective 3.11a:
Increase the proportion of women aged 18 years and older
who have ever received a PAP test to 97%**



**Women aged 18 years and older who had a PAP Smear within the past 3 years
by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Pap Smear within the last 3 years	Total	
STATE WIDE	82.1	(80.9 - 83.1)	81.3	(80.2 - 82.4)	7,556	9,391	481,386
HONOLULU County	82.7	(81.2 - 84.0)	81.9	(80.5 - 83.3)	3,461	4,217	344,388
Wailae/Kahala/HawaiiKai	90.0	(85.7 - 93.1)	88.4	(83.9 - 91.8)	241	280	20,654
Aiea/Pearl City	88.2	(83.9 - 91.4)	86.4	(82.2 - 89.8)	342	401	33,819
Nanakuli/Waianae	87.6	(80.6 - 92.4)	87.1	(79.8 - 92.1)	141	163	17,661
Salt Lake/Foster Village	87.3	(79.6 - 92.3)	89.4	(82.9 - 93.6)	167	184	15,604
Manoa/Upper Makiki	84.3	(78.0 - 89.1)	82.5	(76.9 - 87.0)	268	330	20,823
Ka'a'wa/Kahalu'u/Kaneohe	83.7	(78.1 - 88.1)	81.9	(76.5 - 86.3)	263	319	25,313
Kailua/Waimanalo	83.3	(77.9 - 87.6)	81.9	(76.2 - 86.4)	299	360	29,217
Mililani/Wahiawa	82.4	(78.0 - 86.1)	84.5	(80.0 - 88.2)	337	399	34,041
North Shore/Laie	82.0	(74.3 - 87.8)	81.0	(72.6 - 87.3)	116	145	12,715
Waipahu/Kapolei/Ewa	80.6	(76.4 - 84.2)	81.5	(77.4 - 85.0)	512	609	57,037
Kaimuki/Palolo/Waikiki	76.8	(70.1 - 82.4)	74.3	(69.1 - 79.0)	306	409	27,680
Nuuanu/Kalihi/MoanaLoa	76.1	(69.7 - 81.5)	75.4	(69.1 - 80.8)	289	376	34,049
Ala Moana	72.3	(63.9 - 79.4)	74.3	(67.4 - 80.3)	180	242	15,773
HAWAII County	81.0	(78.8 - 83.1)	80.4	(78.2 - 82.5)	1,722	2,132	61,624
Hilo	85.0	(80.9 - 88.4)	84.0	(80.2 - 87.2)	497	589	17,901
North Hawaii	80.5	(75.2 - 84.9)	80.4	(75.5 - 84.5)	398	492	13,474
Puna/Ka'u	79.2	(75.0 - 82.8)	78.5	(74.0 - 82.3)	430	555	16,112
Kona	78.7	(73.3 - 83.2)	78.3	(73.0 - 82.7)	397	496	14,136
KAUAI County	79.1	(75.5 - 82.3)	78.0	(74.6 - 81.1)	720	933	23,337
Hanalei/Kapa'a	81.0	(76.5 - 84.8)	78.7	(73.8 - 82.9)	315	413	10,093
Lihue-Waimea	78.5	(73.7 - 82.7)	77.5	(72.7 - 81.7)	405	520	13,244
MAUI County	80.2	(77.9 - 82.4)	79.7	(77.3 - 81.9)	1,653	2,109	52,039
Upcountry/Hana	86.4	(82.6 - 89.4)	84.7	(80.7 - 88.1)	442	524	16,047
Lahaina/Wailuku	78.8	(73.9 - 83.0)	80.0	(75.2 - 84.0)	390	483	16,201
Lanai	78.3	(71.9 - 83.6)	78.2	(71.8 - 83.4)	219	283	1,013
Kahului	77.8	(72.9 - 82.1)	76.5	(71.4 - 80.9)	359	469	15,092
Molokai	70.7	(65.1 - 75.7)	69.6	(63.5 - 75.1)	243	350	3,686

**Healthy People 2010_ Objective 3.11b:
 Increase the proportion of women aged 18 years and older
 who ever received a PAP test within the preceding 3 years to 90%**



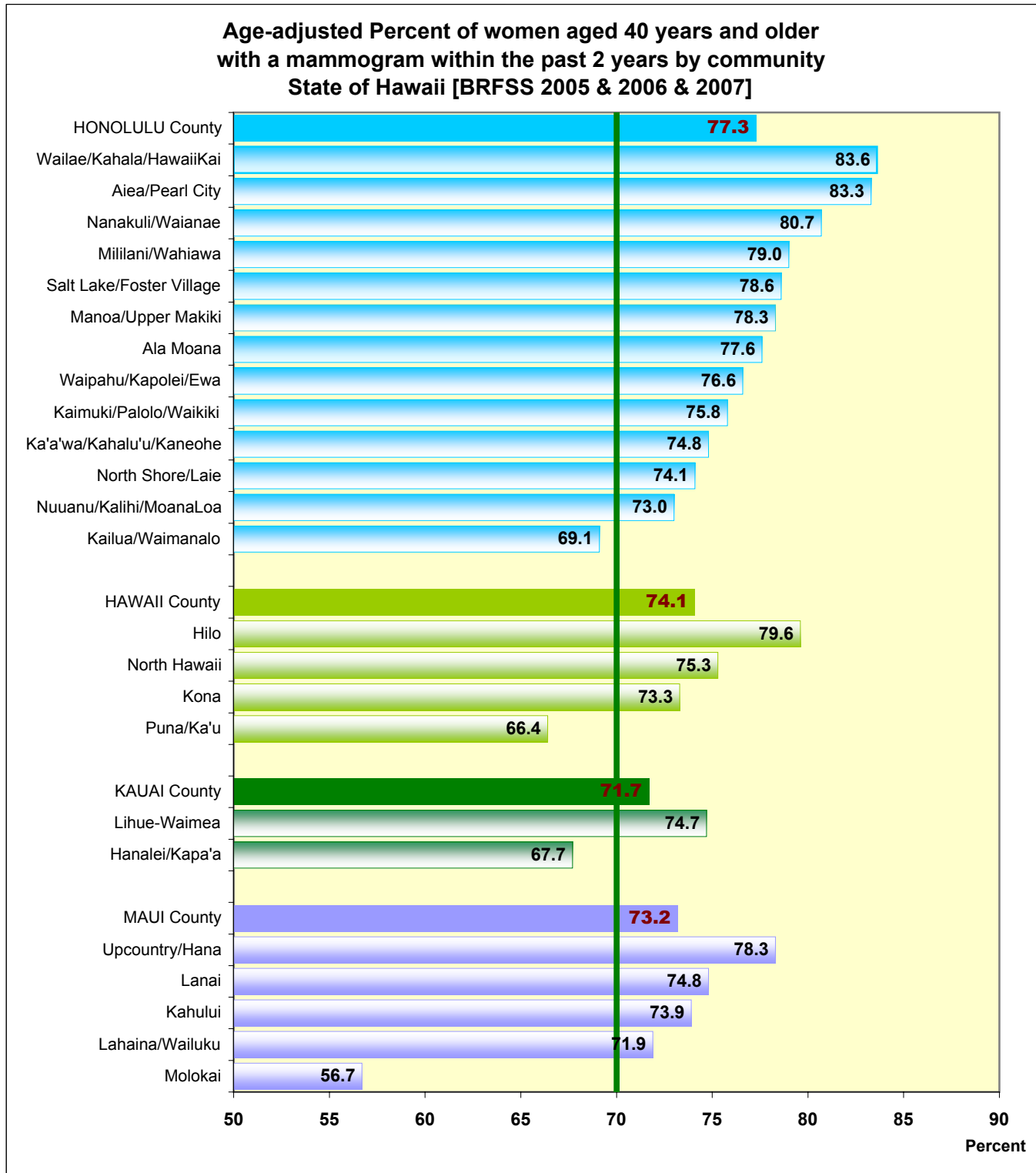
**Women aged 40 years and older with mammogram within the last 2 years
by community**

State of Hawaii [BRFSS 2005 & 2006 & 2007]

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Mammogram within the last 2 years	Total	
STATE WIDE	76.1	(74.7 - 77.5)	77.0	(75.6 - 78.3)	5,407	7,073	311,652
HONOLULU County	77.3	(75.4 - 79.0)	78.1	(76.3 - 79.8)	2,432	3,084	221,389
Wailae/Kahala/HawaiiKai	83.6	(77.8 - 88.1)	84.2	(78.5 - 88.5)	188	228	14,984
Aiea/Pearl City	83.3	(77.7 - 87.8)	83.5	(78.3 - 87.7)	250	301	23,051
Nanakuli/Waianae	80.7	(71.0 - 87.7)	79.4	(68.8 - 87.1)	80	102	9,239
Mililani/Wahiawa	79.0	(72.0 - 84.6)	80.0	(73.1 - 85.5)	193	239	18,049
Salt Lake/Foster Village	78.6	(66.3 - 87.3)	77.5	(65.5 - 86.2)	79	94	6,588
Manoa/Upper Makiki	78.3	(70.8 - 84.2)	79.2	(72.5 - 84.5)	224	283	16,859
Ala Moana	77.6	(68.6 - 84.7)	82.8	(76.1 - 88.0)	159	193	11,093
Waipahu/Kapolei/Ewa	76.6	(71.2 - 81.2)	76.2	(70.8 - 80.9)	301	384	32,759
Kaimuki/Palolo/Waikiki	75.8	(69.7 - 80.9)	77.5	(72.2 - 82.0)	268	353	22,680
Ka'a'wa/Kahalu'u/Kaneohe	74.8	(67.8 - 80.8)	77.5	(70.8 - 82.9)	200	254	17,980
North Shore/Laie	74.1	(63.7 - 82.4)	73.8	(63.2 - 82.1)	73	102	7,951
Nuuanu/Kalihi/MoanaLoa	73.0	(66.0 - 79.1)	74.7	(67.7 - 80.7)	215	280	20,991
Kailua/Waimanalo	69.1	(62.0 - 75.4)	70.8	(63.8 - 76.9)	202	271	19,165
HAWAII County	74.1	(71.5 - 76.5)	75.0	(72.5 - 77.3)	1,243	1,653	40,358
Hilo	79.6	(74.8 - 83.6)	80.6	(76.2 - 84.3)	365	455	11,989
North Hawaii	75.3	(69.8 - 80.1)	75.8	(70.4 - 80.5)	292	382	8,751
Kona	73.3	(67.7 - 78.3)	74.8	(69.4 - 79.4)	313	411	10,101
Puna/Ka'u	66.4	(60.9 - 71.4)	67.4	(62.1 - 72.3)	273	405	9,517
KAUAI County	71.7	(67.5 - 75.5)	72.7	(68.7 - 76.4)	562	743	16,001
Lihue-Waimea	74.7	(69.3 - 79.5)	75.8	(70.4 - 80.5)	316	404	8,760
Hanalei/Kapa'a	67.7	(61.1 - 73.6)	69.0	(62.8 - 74.5)	246	339	7,241
MAUI County	73.2	(70.2 - 76.0)	74.1	(71.2 - 76.9)	1,170	1,593	33,906
Upcountry/Hana	78.3	(72.8 - 82.9)	78.1	(72.8 - 82.6)	326	416	11,112
Lanai	74.8	(67.4 - 81.1)	75.5	(68.0 - 81.7)	161	214	677
Kahului	73.9	(68.5 - 78.7)	74.8	(69.2 - 79.7)	270	356	9,665
Lahaina/Wailuku	71.9	(65.8 - 77.2)	72.7	(66.7 - 78.0)	266	351	10,194
Molokai	56.7	(49.4 - 63.6)	57.9	(50.8 - 64.7)	147	256	2,258

Healthy People 2010_ 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%

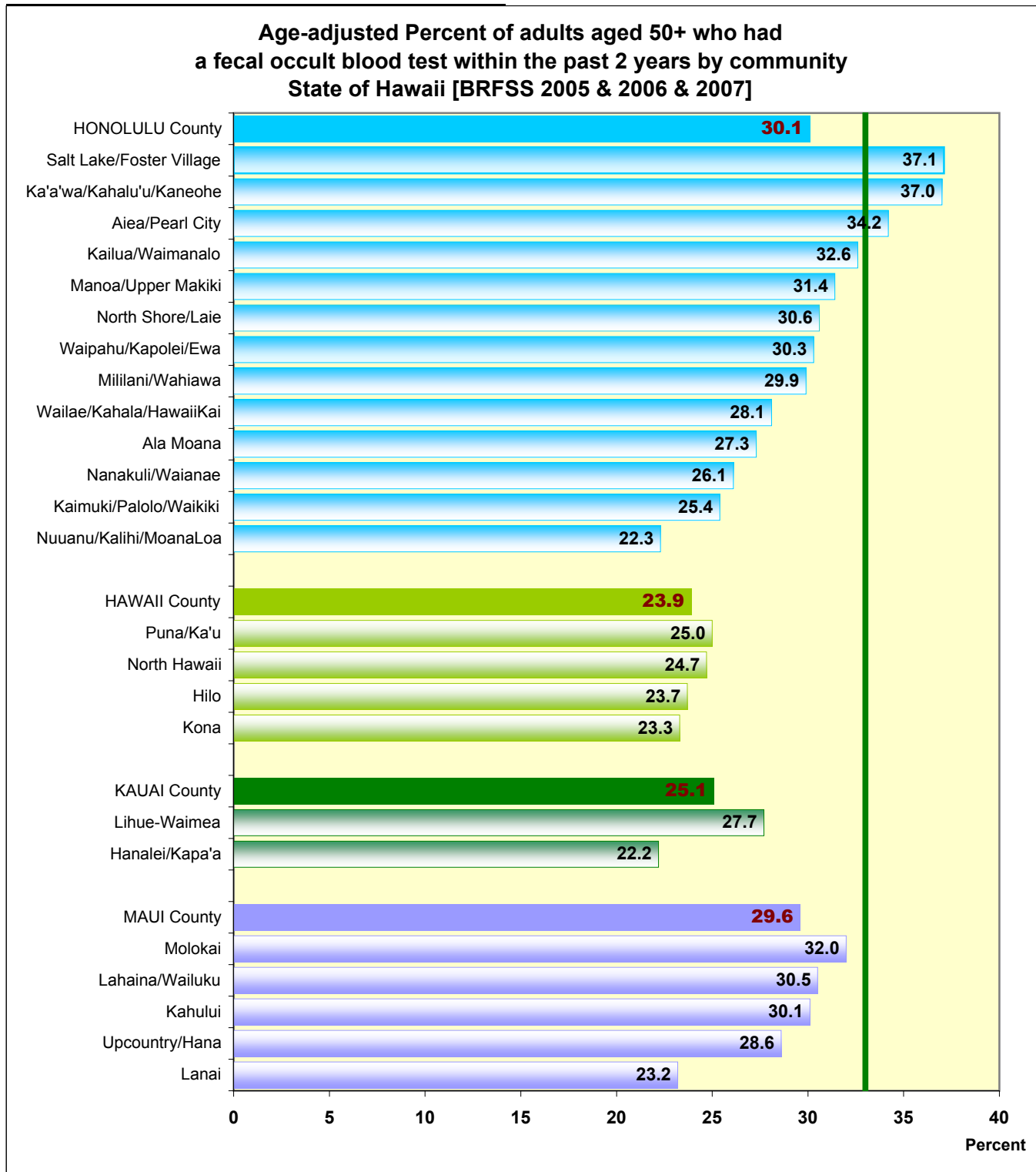


**Adults aged 50 and older with a fecal occult blood test within the past 2 years
by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Test within the last 2 years	Total	
STATE WIDE	28.8	(27.6 - 30.1)	28.6	(27.4 - 29.9)	2,542	8,891	412,918
HONOLULU County	30.1	(28.5 - 31.8)	30.0	(28.4 - 31.7)	1,202	3,830	289,648
Salt Lake/Foster Village	37.1	(26.7 - 48.9)	37.4	(26.7 - 49.4)	36	94	7,313
Ka'a'wa/Kahalu'u/Kaneohe	37.0	(31.2 - 43.1)	36.8	(31.0 - 43.0)	117	317	24,433
Aiea/Pearl City	34.2	(28.9 - 40.0)	34.2	(28.9 - 39.9)	126	379	30,492
Kailua/Waimanalo	32.6	(27.2 - 38.5)	32.6	(27.2 - 38.6)	121	336	25,682
Manoa/Upper Makiki	31.4	(26.4 - 36.7)	31.4	(26.5 - 36.8)	127	400	25,316
North Shore/Laie	30.6	(22.4 - 40.1)	30.5	(22.4 - 40.2)	41	126	9,623
Waipahu/Kapolei/Ewa	30.3	(25.3 - 35.8)	30.6	(25.6 - 36.1)	123	400	35,984
Mililani/Wahiawa	29.9	(24.2 - 36.3)	31.0	(25.2 - 37.4)	92	280	22,734
Wailae/Kahala/HawaiiKai	28.1	(22.9 - 34.0)	28.2	(22.9 - 34.1)	90	286	21,224
Ala Moana	27.3	(21.9 - 33.5)	27.4	(22.0 - 33.6)	78	258	15,481
Nanakuli/Waianae	26.1	(18.4 - 35.6)	26.3	(18.4 - 36.0)	37	122	10,141
Kaimuki/Palolo/Waikiki	25.4	(21.3 - 30.0)	25.5	(21.4 - 30.1)	128	471	32,016
Nuuanu/Kalihi/MoanaLoa	22.3	(17.8 - 27.6)	22.0	(17.5 - 27.4)	86	361	29,210
HAWAII County	23.9	(22.0 - 26.0)	23.4	(21.5 - 25.4)	558	2,207	57,051
Puna/Ka'u	25.0	(21.1 - 29.4)	23.7	(20.0 - 27.8)	143	556	14,189
North Hawaii	24.7	(20.5 - 29.4)	23.7	(19.6 - 28.3)	119	476	11,372
Hilo	23.7	(20.2 - 27.6)	23.9	(20.4 - 27.8)	158	621	16,966
Kona	23.3	(19.6 - 27.5)	22.4	(18.8 - 26.4)	138	554	14,525
KAUAI County	25.1	(21.9 - 28.6)	24.5	(21.4 - 28.0)	231	948	21,921
Lihue-Waimea	27.7	(23.1 - 32.7)	27.2	(22.7 - 32.2)	134	499	11,656
Hanalei/Kapa'a	22.2	(18.0 - 27.1)	21.5	(17.5 - 26.2)	97	449	10,265
MAUI County	29.6	(27.0 - 32.3)	27.9	(25.5 - 30.6)	551	1,906	44,299
Molokai	32.0	(26.2 - 38.5)	30.2	(24.5 - 36.6)	91	325	3,100
Lahaina/Wailuku	30.5	(25.4 - 36.2)	29.5	(24.5 - 35.1)	126	397	12,550
Kahului	30.1	(25.6 - 35.0)	29.6	(25.0 - 34.6)	141	430	12,955
Upcountry/Hana	28.6	(23.8 - 33.9)	24.9	(20.9 - 29.5)	130	507	14,845
Lanai	23.2	(17.8 - 29.5)	23.1	(17.8 - 29.5)	63	247	850

Healthy People 2010_ Objective 3.12a:

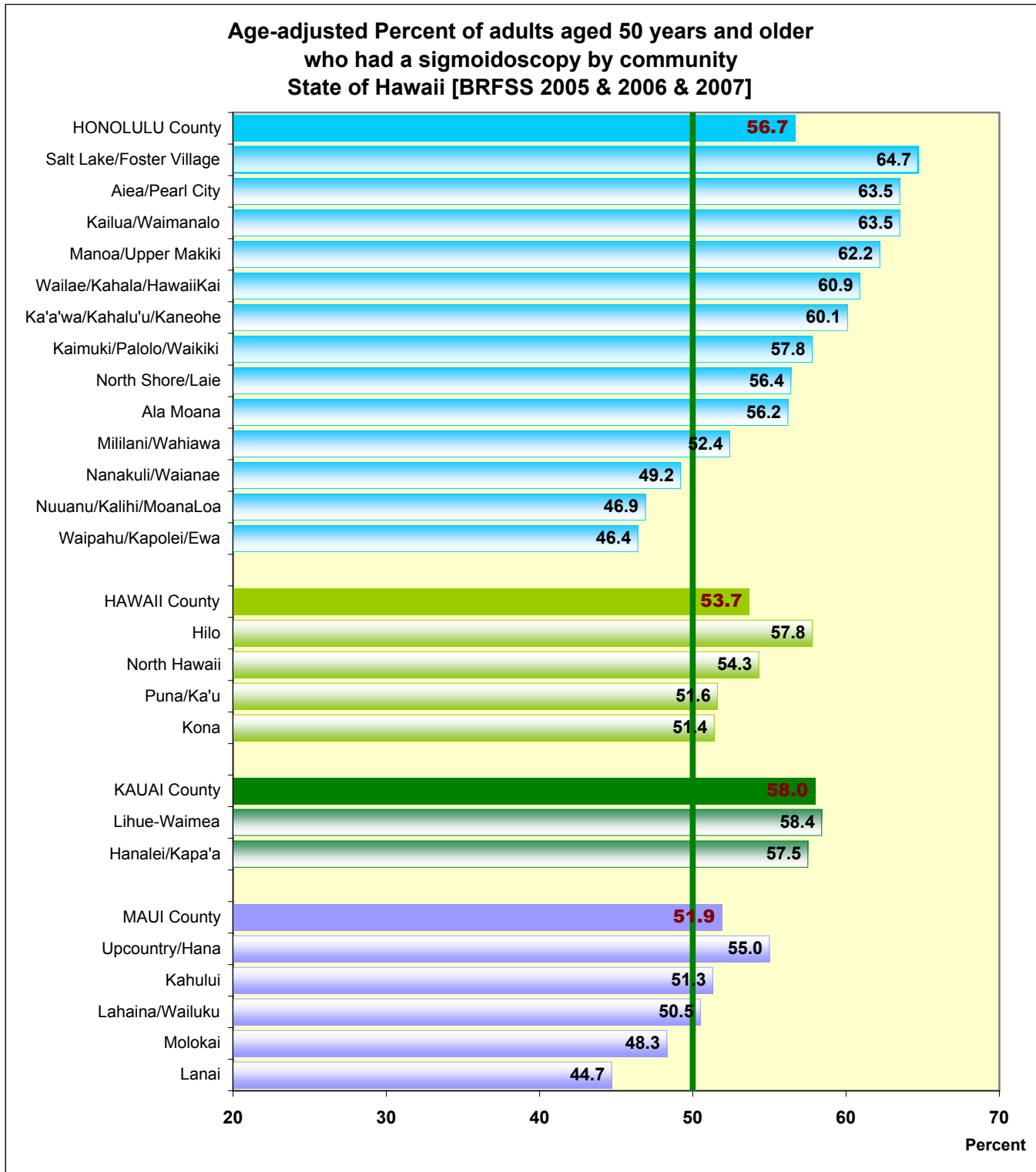
Increase the proportion of adults aged 50 years and older who have received a fecal occult blood test within the preceding 2 years to 33%



**Adults aged 50 and older with a sigmoidoscopy by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Had a sigmoidoscopy	Total	
STATE WIDE	28.8	(27.6 - 30.1)	28.6	(27.4 - 29.9)	2,542	8,891	412,918
HONOLULU County	56.7	(54.9 - 58.5)	56.2	(54.4 - 58.1)	2,252	3,828	289,408
Salt Lake/Foster Village	64.7	(52.7 - 75.1)	64.3	(51.8 - 75.1)	60	94	7,313
Kailua/Waimanalo	63.5	(57.3 - 69.2)	63.6	(57.2 - 69.5)	223	336	25,682
Aiea/Pearl City	63.5	(57.7 - 68.9)	64.2	(58.4 - 69.6)	248	379	30,492
Manoa/Upper Makiki	62.2	(56.8 - 67.3)	62.4	(56.9 - 67.7)	244	399	25,258
Wailae/Kahala/HawaiiKai	60.9	(54.3 - 67.1)	61.2	(54.4 - 67.6)	185	286	21,224
Ka'a'wa/Kahalu'u/Kaneohe	60.1	(53.8 - 66.1)	59.9	(53.7 - 65.8)	195	316	24,250
Kaimuki/Palolo/Waikiki	57.8	(52.6 - 62.8)	58.4	(53.2 - 63.5)	283	471	32,016
North Shore/Laie	56.4	(46.5 - 65.9)	56.4	(46.2 - 66.1)	72	126	9,623
Ala Moana	56.2	(49.4 - 62.8)	56.8	(50.0 - 63.5)	151	258	15,481
Mililani/Wahiawa	52.4	(45.5 - 59.3)	51.2	(44.5 - 57.9)	146	280	22,734
Nanakuli/Waianae	49.2	(39.3 - 59.2)	47.9	(37.4 - 58.6)	62	122	10,141
Nuuanu/Kalihi/MoanaLoa	46.9	(41.2 - 52.6)	46.1	(40.0 - 52.3)	178	361	29,210
Waipahu/Kapolei/Ewa	46.4	(40.8 - 52.0)	44.3	(38.9 - 49.9)	205	400	35,984
HAWAII County	53.7	(51.4 - 56.0)	52.3	(49.9 - 54.7)	1,184	2,205	57,020
Hilo	57.8	(53.3 - 62.1)	58.7	(54.3 - 63.1)	376	621	16,966
North Hawaii	54.3	(49.2 - 59.2)	52.3	(47.1 - 57.4)	247	475	11,355
Puna/Ka'u	51.6	(47.1 - 56.2)	47.6	(42.9 - 52.4)	274	555	14,175
Kona	51.4	(46.7 - 56.0)	49.3	(44.6 - 54.0)	287	554	14,525
KAUAI County	58.0	(54.3 - 61.6)	56.6	(52.8 - 60.3)	540	947	21,884
Lihue-Waimea	58.4	(53.4 - 63.3)	57.4	(52.1 - 62.5)	285	498	11,619
Hanalei/Kapa'a	57.5	(52.0 - 62.8)	55.7	(50.2 - 61.1)	255	449	10,265
MAUI County	51.9	(49.0 - 54.8)	50.2	(47.3 - 53.2)	996	1,905	44,292
Upcountry/Hana	55.0	(49.4 - 60.4)	52.1	(46.9 - 57.1)	267	507	14,845
Kahului	51.3	(45.9 - 56.7)	50.9	(45.4 - 56.4)	232	430	12,955
Lahaina/Wailuku	50.5	(44.8 - 56.1)	48.6	(42.8 - 54.4)	218	397	12,550
Molokai	48.3	(41.9 - 54.8)	47.3	(41.1 - 53.6)	161	324	3,093
Lanai	44.7	(37.7 - 52.0)	44.2	(37.0 - 51.7)	118	247	850

**Healthy People 2010_ Objective 3.12b:
Increase the proportion of adults aged 50 years and older
who have ever received a sigmoidoscopy to 50%**

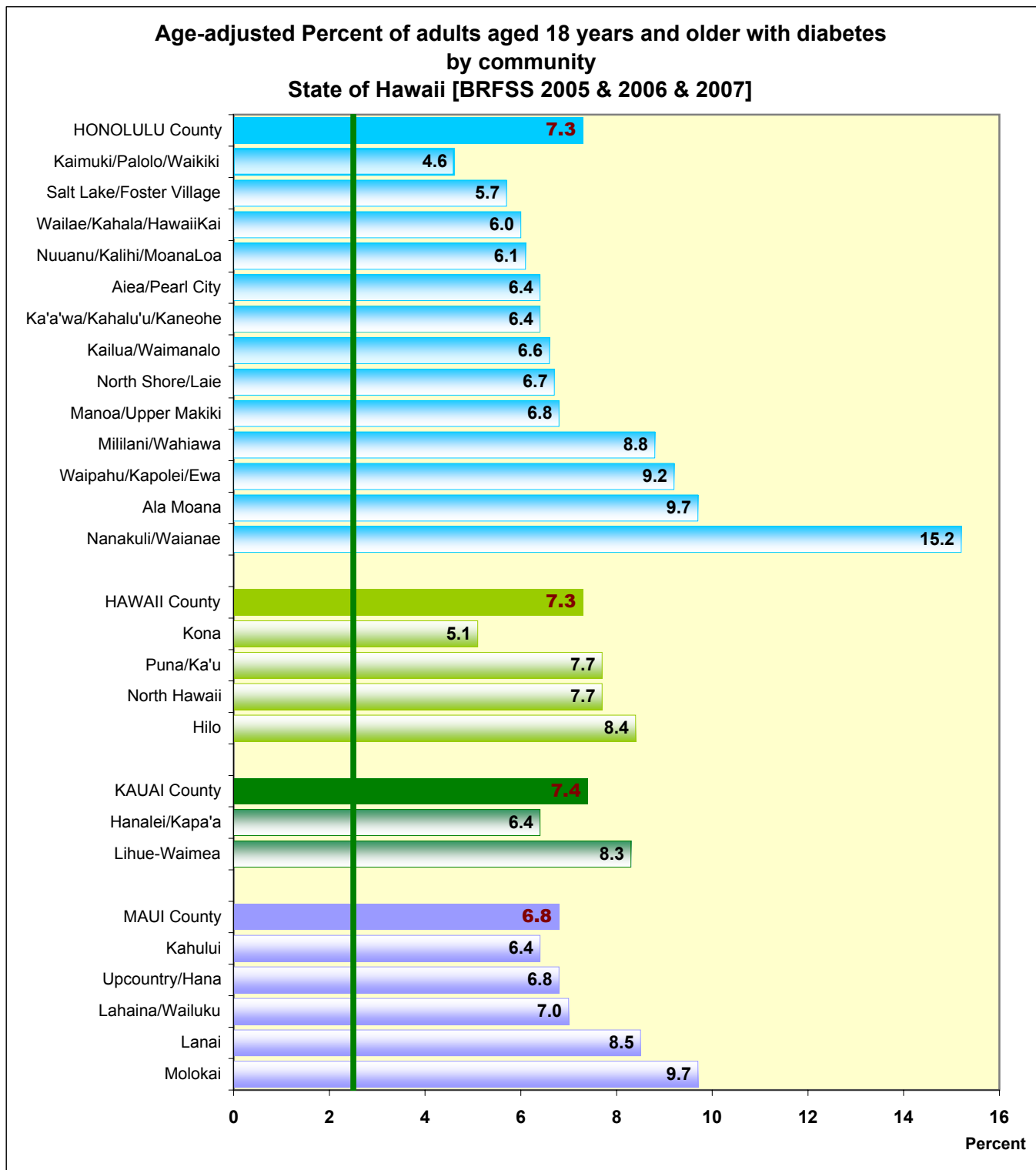


**Adults aged 18 years and older with diabetes by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Diagnosed with diabetes	Total	
STATE WIDE	7.2	(6.8 - 7.7)	7.7	(7.2 - 8.2)	1,656	19,583	980,308
HONOLULU County	7.3	(6.7 - 7.9)	7.7	(7.1 - 8.4)	731	8,911	702,485
Kaimuki/Palolo/Waikiki	4.6	(3.4 - 6.3)	5.9	(4.4 - 7.9)	56	903	59,912
Salt Lake/Foster Village	5.7	(3.4 - 9.4)	3.6	(2.1 - 6.3)	18	400	32,749
Wailae/Kahala/HawaiiKai	6.0	(4.3 - 8.3)	7.9	(5.6 - 10.9)	45	575	41,519
Nuuanu/Kalihi/MoanaLoa	6.1	(4.5 - 8.1)	6.7	(5.0 - 9.0)	64	801	70,685
Ka'a'wa/Kahalu'u/Kaneohe	6.4	(4.6 - 8.8)	7.1	(5.1 - 9.6)	47	649	50,246
Aiea/Pearl City	6.4	(4.9 - 8.3)	7.2	(5.5 - 9.4)	66	831	68,812
Kailua/Waimanalo	6.6	(5.0 - 8.7)	8.5	(6.4 - 11.3)	61	690	50,346
North Shore/Laie	6.7	(4.1 - 10.6)	7.1	(4.3 - 11.6)	23	297	22,438
Manoa/Upper Makiki	6.8	(5.0 - 9.1)	9.2	(6.7 - 12.6)	60	720	45,899
Mililani/Wahiawa	8.8	(6.8 - 11.2)	7.7	(6.0 - 10.0)	72	868	70,862
Waipahu/Kapolei/Ewa	9.2	(7.5 - 11.1)	7.7	(6.2 - 9.5)	108	1,328	123,482
Ala Moana	9.7	(6.9 - 13.4)	10.4	(7.5 - 14.1)	52	512	31,944
Nanakuli/Waianae	15.2	(11.7 - 19.6)	14.1	(10.6 - 18.5)	59	337	33,592
HAWAII County	7.3	(6.6 - 8.1)	7.9	(7.1 - 8.8)	401	4,569	124,100
Kona	5.1	(4.0 - 6.6)	5.8	(4.5 - 7.5)	70	1,064	28,920
North Hawaii	7.7	(6.3 - 9.3)	8.1	(6.5 - 10.1)	97	1,075	26,516
Puna/Ka'u	7.7	(6.1 - 9.7)	7.9	(6.3 - 9.9)	96	1,168	33,035
Hilo	8.4	(6.9 - 10.1)	9.5	(7.9 - 11.4)	138	1,262	35,629
KAUAI County	7.4	(6.3 - 8.7)	8.4	(7.1 - 9.9)	174	1,906	47,204
Hanalei/Kapa'a	6.4	(4.7 - 8.6)	7.3	(5.5 - 9.6)	62	857	20,086
Lihue-Waimea	8.3	(6.8 - 10.1)	9.2	(7.4 - 11.4)	112	1,049	27,118
MAUI County	6.8	(5.9 - 7.8)	7.1	(6.2 - 8.1)	350	4,197	106,521
Kahului	6.4	(5.0 - 8.1)	6.7	(5.2 - 8.6)	76	996	33,293
Upcountry/Hana	6.8	(5.1 - 8.9)	6.4	(4.8 - 8.4)	68	1,041	32,360
Lahaina/Wailuku	7.0	(5.4 - 9.0)	7.4	(5.7 - 9.5)	75	912	31,875
Lanai	8.5	(6.4 - 11.2)	8.7	(6.6 - 11.6)	61	596	2,273
Molokai	9.7	(7.4 - 12.6)	10.1	(7.7 - 13.3)	70	652	6,721

Healthy People 2010_ Objective 5.3:

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

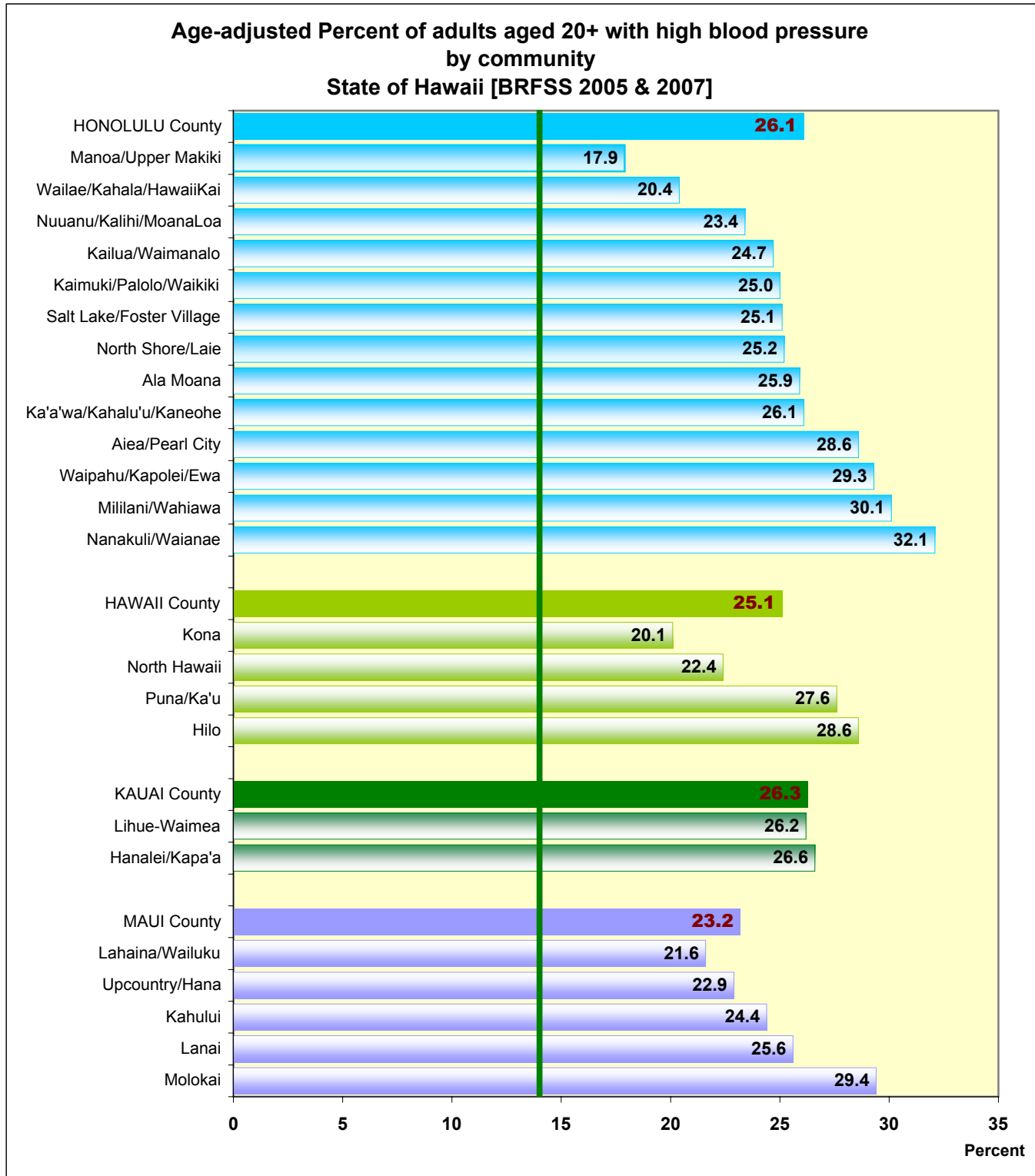


**Adults aged 20 years and older with high blood pressure by community
State of Hawaii [BRFSS 2005 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Have high blood pressure	Total	
STATE WIDE	25.6	(24.7 - 26.6)	27.2	(26.2 - 28.3)	3,786	12,843	949,465
HONOLULU County	26.1	(24.8 - 27.3)	27.6	(26.2 - 29.0)	1,727	5,813	680,114
Manoa/Upper Makiki	17.9	(13.9 - 22.7)	23.0	(18.9 - 27.6)	121	465	44,103
Wailae/Kahala/HawaiiKai	20.4	(16.3 - 25.2)	26.0	(21.2 - 31.6)	101	373	39,989
Nuuanu/Kalihi/MoanaLoa	23.4	(20.1 - 27.1)	25.4	(21.4 - 29.9)	160	509	66,089
Kailua/Waimanalo	24.7	(20.9 - 28.9)	29.0	(24.3 - 34.2)	133	452	49,556
Kaimuki/Palolo/Waikiki	25.0	(21.1 - 29.4)	30.4	(26.2 - 35.0)	197	597	59,895
Salt Lake/Foster Village	25.1	(19.7 - 31.5)	18.9	(14.0 - 25.1)	55	243	29,943
North Shore/Laie	25.2	(19.7 - 31.6)	27.3	(20.6 - 35.2)	56	181	20,243
Ala Moana	25.9	(20.2 - 32.5)	29.2	(23.8 - 35.2)	107	331	31,005
Ka'a'wa/Kahalu'u/Kaneohe	26.1	(22.4 - 30.2)	29.4	(24.8 - 34.4)	141	439	49,738
Aiea/Pearl City	28.6	(24.3 - 33.4)	31.8	(27.3 - 36.6)	183	550	66,320
Waipahu/Kapolei/Ewa	29.3	(26.0 - 32.9)	27.0	(23.6 - 30.7)	233	859	118,654
Mililani/Wahiawa	30.1	(26.4 - 34.1)	27.7	(23.7 - 32.1)	165	583	70,014
Nanakuli/Waianae	32.1	(25.5 - 39.5)	29.7	(22.8 - 37.7)	75	231	34,564
HAWAII County	25.1	(23.4 - 26.8)	27.0	(25.2 - 28.9)	929	3,136	121,223
Kona	20.1	(17.2 - 23.3)	22.8	(19.5 - 26.5)	187	708	27,868
North Hawaii	22.4	(19.4 - 25.7)	23.2	(19.8 - 26.9)	188	771	25,828
Puna/Ka'u	27.6	(24.2 - 31.4)	28.1	(24.5 - 31.9)	247	799	32,482
Hilo	28.6	(25.2 - 32.2)	32.1	(28.6 - 35.9)	307	858	35,045
KAUAI County	26.3	(23.4 - 29.4)	29.6	(26.5 - 32.9)	377	1,228	45,414
Lihue-Waimea	26.2	(22.5 - 30.3)	28.8	(24.6 - 33.3)	206	675	26,345
Hanalei/Kapa'a	26.6	(22.4 - 31.2)	30.8	(26.4 - 35.6)	171	553	19,068
MAUI County	23.2	(21.3 - 25.2)	24.0	(22.0 - 26.2)	753	2,666	102,715
Lahaina/Wailuku	21.6	(18.5 - 25.2)	21.7	(18.0 - 25.9)	143	562	30,342
Upcountry/Hana	22.9	(19.0 - 27.3)	22.2	(18.5 - 26.5)	148	661	31,485
Kahului	24.4	(21.2 - 28.0)	26.3	(22.6 - 30.3)	200	648	32,467
Lanai	25.6	(21.6 - 30.1)	28.5	(23.5 - 34.1)	124	371	2,156
Molokai	29.4	(24.6 - 34.6)	30.8	(25.9 - 36.2)	138	424	6,265

Healthy People 2010_ Objective 12.9:

Reduce the proportion of adults (aged 20+) with high blood pressure to 14%

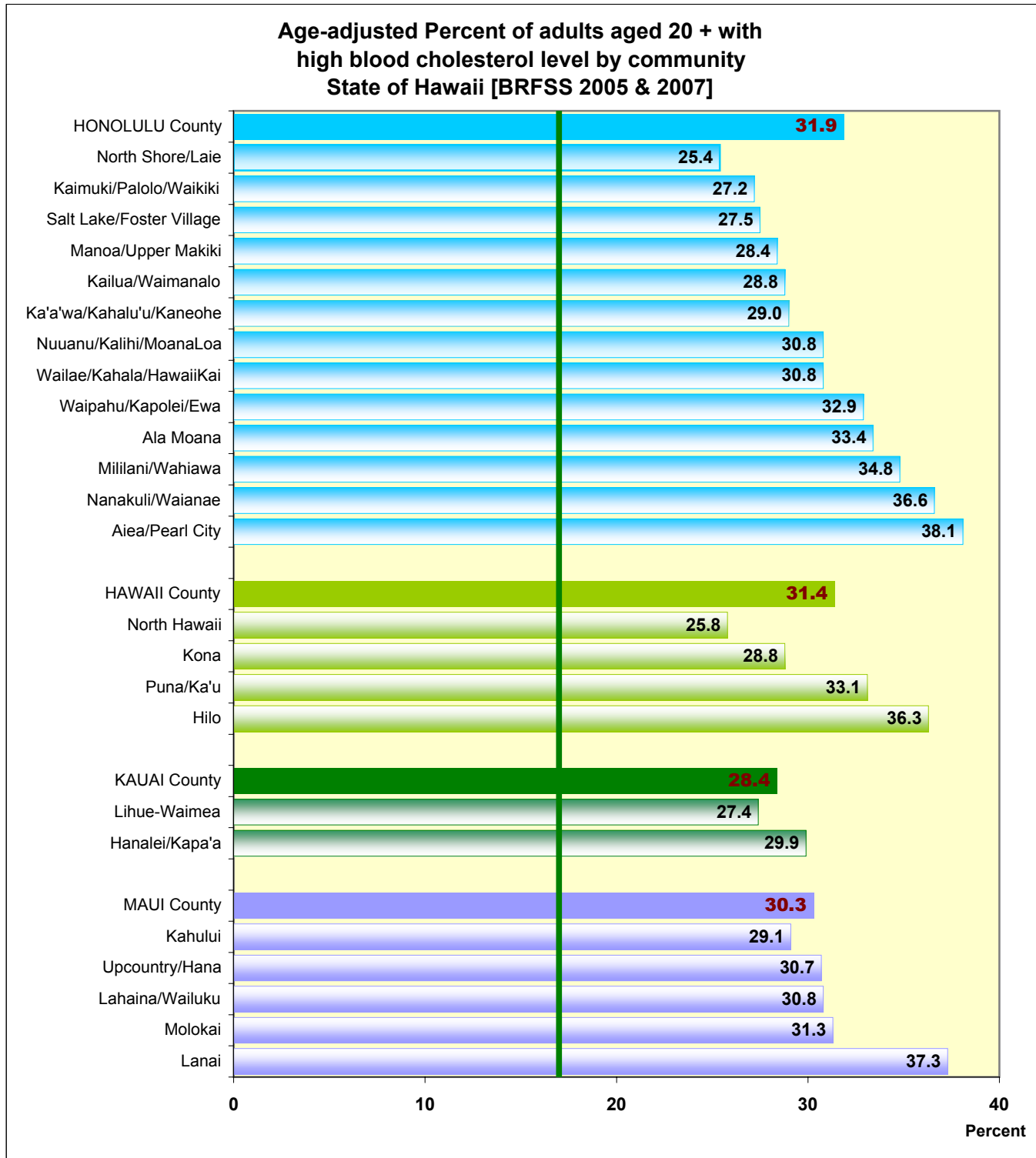


**Adults aged 20 years and older with high blood cholesterol by community
State of Hawaii [BRFSS 2005 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Have high blood cholesterol	Total	
STATE WIDE	31.5	(30.2 - 32.7)	35.5	(34.3 - 36.7)	3,958	10,584	736,171
HONOLULU County	31.9	(30.4 - 33.5)	35.7	(34.1 - 37.2)	1,842	4,856	533,342
North Shore/Laie	25.4	(15.6 - 38.6)	28.5	(20.9 - 37.5)	40	138	13,736
Kaimuki/Palolo/Waikiki	27.2	(23.1 - 31.7)	33.4	(28.8 - 38.2)	183	502	47,814
Salt Lake/Foster Village	27.5	(21.2 - 34.7)	26.5	(20.2 - 34.1)	56	192	21,835
Manoa/Upper Makiki	28.4	(23.5 - 33.8)	36.9	(31.7 - 42.4)	164	410	37,187
Kailua/Waimanalo	28.8	(22.9 - 35.6)	32.5	(27.4 - 38.0)	140	399	41,665
Ka'a'wa/Kahalu'u/Kaneohe	29.0	(24.7 - 33.8)	36.7	(31.4 - 42.4)	152	386	42,594
Wailae/Kahala/HawaiiKai	30.8	(23.8 - 38.9)	35.8	(30.2 - 41.8)	123	325	33,051
Nuuanu/Kalihi/MoanaLoa	30.8	(25.8 - 36.4)	37.0	(31.6 - 42.9)	163	395	47,110
Waipahu/Kapolei/Ewa	32.9	(28.9 - 37.2)	34.4	(30.4 - 38.6)	248	708	91,878
Ala Moana	33.4	(27.3 - 40.0)	38.4	(31.9 - 45.4)	111	275	24,943
Mililani/Wahiawa	34.8	(30.1 - 39.9)	35.7	(31.0 - 40.6)	177	473	52,892
Nanakuli/Waianae	36.6	(28.7 - 45.3)	38.5	(30.0 - 47.7)	74	180	24,123
Aiea/Pearl City	38.1	(33.0 - 43.5)	42.2	(37.1 - 47.4)	211	473	54,513
HAWAII County	31.4	(28.8 - 34.0)	35.7	(33.5 - 37.9)	952	2,564	90,764
North Hawaii	25.8	(22.0 - 30.1)	29.4	(25.3 - 33.9)	189	632	19,666
Kona	28.8	(24.1 - 34.0)	34.2	(29.9 - 38.8)	203	577	20,032
Puna/Ka'u	33.1	(28.2 - 38.4)	38.0	(33.6 - 42.7)	262	633	23,581
Hilo	36.3	(30.2 - 42.8)	39.2	(35.1 - 43.6)	298	722	27,485
KAUAI County	28.4	(24.8 - 32.2)	33.6	(30.2 - 37.2)	370	1,004	34,829
Lihue-Waimea	27.4	(22.6 - 32.8)	31.4	(27.0 - 36.3)	196	558	20,369
Hanalei/Kapa'a	29.9	(24.9 - 35.3)	36.7	(31.7 - 42.0)	174	446	14,460
MAUI County	30.3	(27.6 - 33.1)	35.0	(32.4 - 37.7)	794	2,160	77,236
Kahului	29.1	(24.7 - 33.8)	36.0	(31.2 - 41.0)	195	518	23,237
Upcountry/Hana	30.7	(26.0 - 35.9)	34.4	(29.8 - 39.4)	197	559	25,059
Lahaina/Wailuku	30.8	(25.8 - 36.3)	34.2	(29.3 - 39.6)	162	463	22,784
Molokai	31.3	(25.4 - 37.8)	34.8	(29.2 - 41.0)	124	339	4,680
Lanai	37.3	(28.9 - 46.6)	40.9	(34.1 - 48.2)	116	281	1,477

Healthy People 2010_ Objective 12.14:

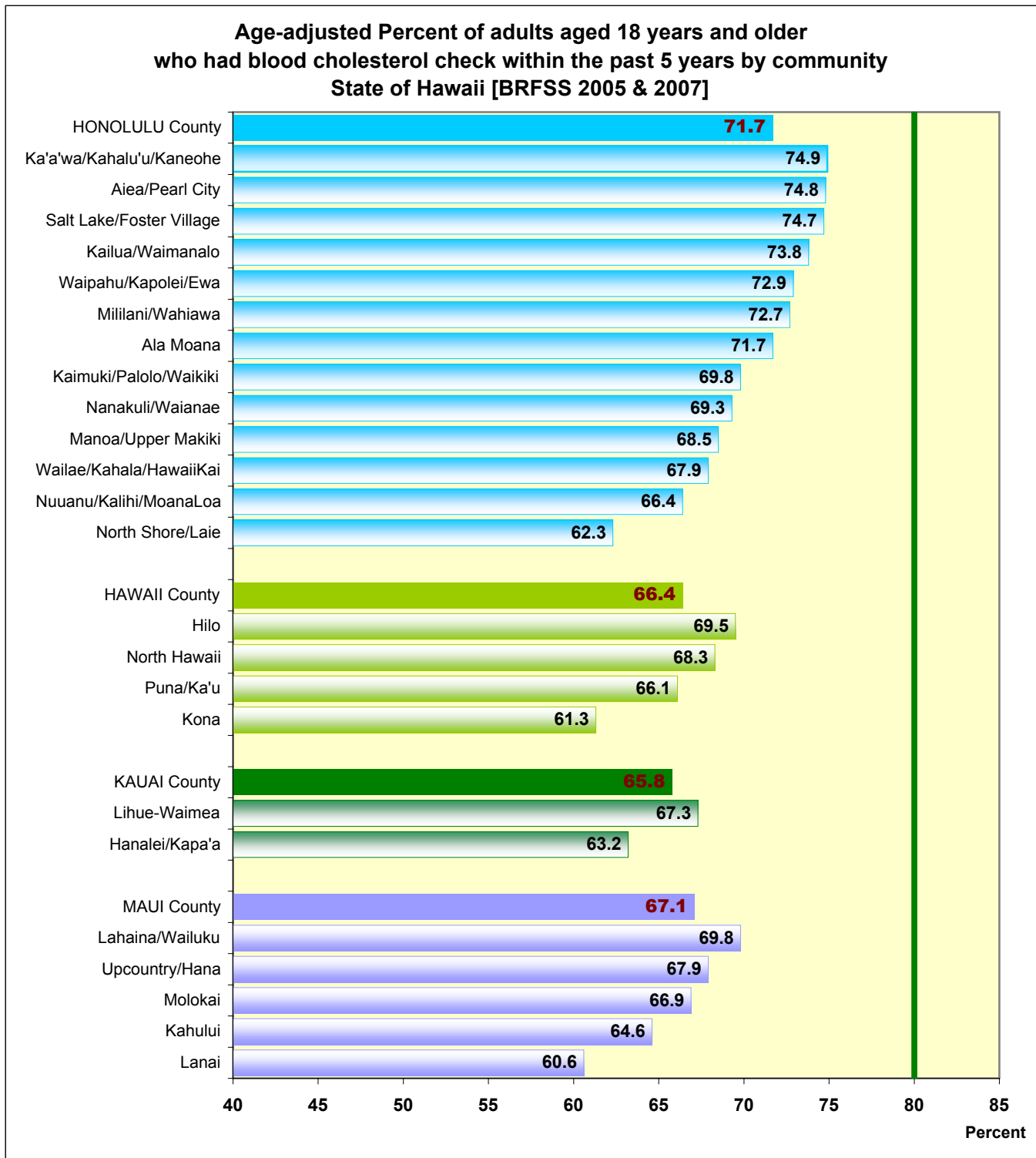
Reduce the proportion of adults (aged 20+) with high blood cholesterol level to 17%



**Adults aged 18 years and older with blood cholesterol check by community
State of Hawaii [BRFSS 2005 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Have blood cholesterol checked	Total	
STATE WIDE	70.3	(69.2 - 71.3)	71.5	(70.3 - 72.6)	10,017	13,019	982,203
HONOLULU County	71.7	(70.3 - 73.0)	72.4	(70.9 - 74.0)	4,620	5,894	703,727
Ka'a'wa/Kahalu'u/Kaneohe	74.9	(68.9 - 80.1)	78.1	(72.9 - 82.6)	360	444	51,253
Aiea/Pearl City	74.8	(70.3 - 78.7)	75.1	(70.0 - 79.6)	451	561	69,838
Salt Lake/Foster Village	74.7	(68.2 - 80.2)	71.0	(62.9 - 77.9)	190	247	30,788
Kailua/Waimanalo	73.8	(69.0 - 78.0)	76.6	(71.0 - 81.4)	371	456	50,795
Waipahu/Kapolei/Ewa	72.9	(69.5 - 76.0)	71.2	(67.2 - 75.0)	681	875	123,230
Mililani/Wahiawa	72.7	(68.5 - 76.5)	71.6	(66.8 - 76.0)	461	596	73,332
Ala Moana	71.7	(64.9 - 77.6)	75.7	(69.4 - 81.1)	261	332	31,242
Kaimuki/Palolo/Waikiki	69.8	(64.6 - 74.6)	74.5	(69.6 - 78.7)	474	603	61,159
Nanakuli/Waianae	69.3	(62.5 - 75.4)	63.9	(55.2 - 71.8)	173	236	36,310
Manoa/Upper Makiki	68.5	(62.2 - 74.3)	75.9	(69.9 - 81.0)	387	468	44,857
Wailae/Kahala/HawaiiKai	67.9	(61.4 - 73.8)	76.0	(69.6 - 81.4)	307	375	40,888
Nuuanu/Kalihi/MoanaLoa	66.4	(61.5 - 71.0)	66.0	(60.2 - 71.3)	374	515	68,552
North Shore/Laie	62.3	(54.4 - 69.6)	62.9	(53.6 - 71.4)	130	186	21,482
HAWAII County	66.4	(64.3 - 68.4)	68.4	(66.1 - 70.6)	2,408	3,175	125,154
Hilo	69.5	(65.7 - 73.0)	72.3	(68.1 - 76.1)	692	866	36,039
North Hawaii	68.3	(63.6 - 72.6)	70.4	(65.8 - 74.7)	593	780	26,680
Puna/Ka'u	66.1	(62.1 - 69.9)	65.5	(60.8 - 69.8)	591	812	33,813
Kona	61.3	(56.9 - 65.4)	65.2	(60.2 - 69.9)	532	717	28,622
KAUAI County	65.8	(62.1 - 69.2)	69.9	(66.3 - 73.3)	942	1,241	46,803
Lihue-Waimea	67.3	(62.9 - 71.4)	71.1	(66.2 - 75.6)	535	683	27,101
Hanalei/Kapa'a	63.2	(57.3 - 68.7)	68.2	(62.9 - 73.1)	407	558	19,702
MAUI County	67.1	(64.6 - 69.5)	69.3	(66.5 - 71.9)	2,047	2,709	106,520
Lahaina/Wailuku	69.8	(64.7 - 74.5)	70.8	(65.1 - 75.9)	446	572	31,446
Upcountry/Hana	67.9	(63.3 - 72.2)	71.0	(66.0 - 75.5)	519	670	32,580
Molokai	66.9	(61.3 - 72.1)	66.9	(60.6 - 72.7)	323	436	6,794
Kahului	64.6	(60.3 - 68.6)	67.0	(61.8 - 71.8)	494	656	33,490
Lanai	60.6	(54.6 - 66.3)	63.1	(56.4 - 69.4)	265	375	2,211

**Healthy People 2010_ Objective 12.15:
Increase the proportion of adults who have had their blood cholesterol checked within the preceding 5 years to 80%**

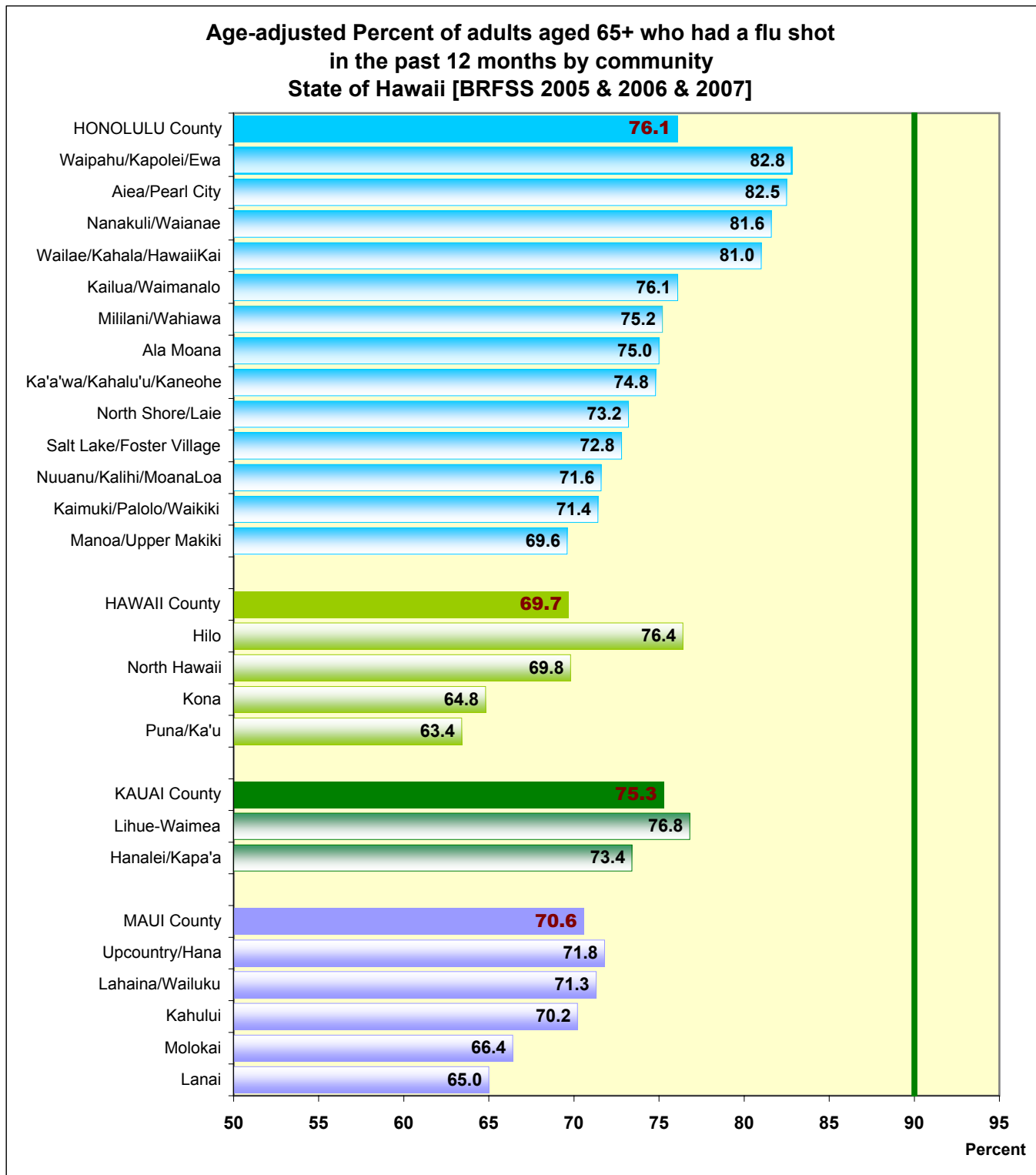


Adults aged 65 years and older with a flu shot in the last 12 months by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Had a flu shot	Total	
STATE WIDE	74.7	(73.1 - 76.3)	75.1	(73.5 - 76.7)	3,288	4,519	177,001
HONOLULU County	76.1	(74.0 - 78.1)	76.5	(74.4 - 78.5)	1,643	2,174	128,745
Waipahu/Kapolei/Ewa	82.8	(75.8 - 88.1)	81.5	(73.8 - 87.3)	142	176	12,498
Aiea/Pearl City	82.5	(76.6 - 87.1)	82.4	(76.5 - 87.1)	195	240	15,130
Nanakuli/Waianae	81.6	(68.2 - 90.1)	81.8	(67.6 - 90.6)	52	66	4,601
Wailae/Kahala/HawaiiKai	81.0	(74.1 - 86.3)	81.1	(74.3 - 86.4)	139	178	10,588
Kailua/Waimanalo	76.1	(68.9 - 82.0)	76.4	(69.3 - 82.3)	151	201	11,926
Mililani/Wahiawa	75.2	(65.3 - 83.1)	75.0	(64.9 - 83.0)	98	126	7,938
Ala Moana	75.0	(67.0 - 81.6)	76.9	(69.2 - 83.2)	125	163	8,011
Ka'a'wa/Kahalu'u/Kaneohe	74.8	(66.5 - 81.7)	74.0	(65.4 - 81.1)	117	157	9,681
North Shore/Laie	73.2	(60.4 - 82.9)	74.2	(61.8 - 83.7)	50	71	4,244
Salt Lake/Foster Village	72.8	(56.8 - 84.5)	72.7	(56.4 - 84.5)	34	47	2,521
Nuuanu/Kalihi/MoanaLoa	71.6	(63.8 - 78.4)	73.2	(65.7 - 79.5)	164	224	13,693
Kaimuki/Palolo/Waikiki	71.4	(65.1 - 77.0)	73.3	(67.3 - 78.6)	223	302	16,062
Manoa/Upper Makiki	69.6	(62.1 - 76.1)	70.5	(62.9 - 77.0)	153	223	11,852
HAWAII County	69.7	(66.6 - 72.7)	70.0	(66.9 - 73.0)	745	1,084	22,893
Hilo	76.4	(71.3 - 80.9)	76.6	(71.5 - 81.1)	287	376	8,546
North Hawaii	69.8	(63.3 - 75.7)	71.2	(64.4 - 77.1)	150	228	4,236
Kona	64.8	(57.9 - 71.2)	64.8	(57.9 - 71.2)	168	256	5,594
Puna/Ka'u	63.4	(56.0 - 70.2)	62.8	(55.5 - 69.6)	140	224	4,517
KAUAI County	75.3	(70.5 - 79.5)	76.2	(71.3 - 80.5)	309	420	8,927
Lihue-Waimea	76.8	(70.4 - 82.2)	77.7	(71.2 - 83.0)	187	246	5,064
Hanalei/Kapa'a	73.4	(65.9 - 79.8)	74.2	(66.3 - 80.8)	122	174	3,863
MAUI County	70.6	(66.5 - 74.4)	70.7	(66.5 - 74.6)	591	841	16,436
Upcountry/Hana	71.8	(62.9 - 79.2)	71.9	(62.7 - 79.5)	112	160	4,245
Lahaina/Wailuku	71.3	(62.8 - 78.6)	71.9	(63.3 - 79.2)	131	176	4,788
Kahului	70.2	(63.2 - 76.4)	70.0	(63.0 - 76.2)	168	240	5,908
Molokai	66.4	(57.0 - 74.6)	66.5	(56.9 - 74.8)	95	140	1,116
Lanai	65.0	(54.4 - 74.3)	66.5	(55.5 - 76.0)	85	125	379

Healthy People 2010_ Objective 14.29a:

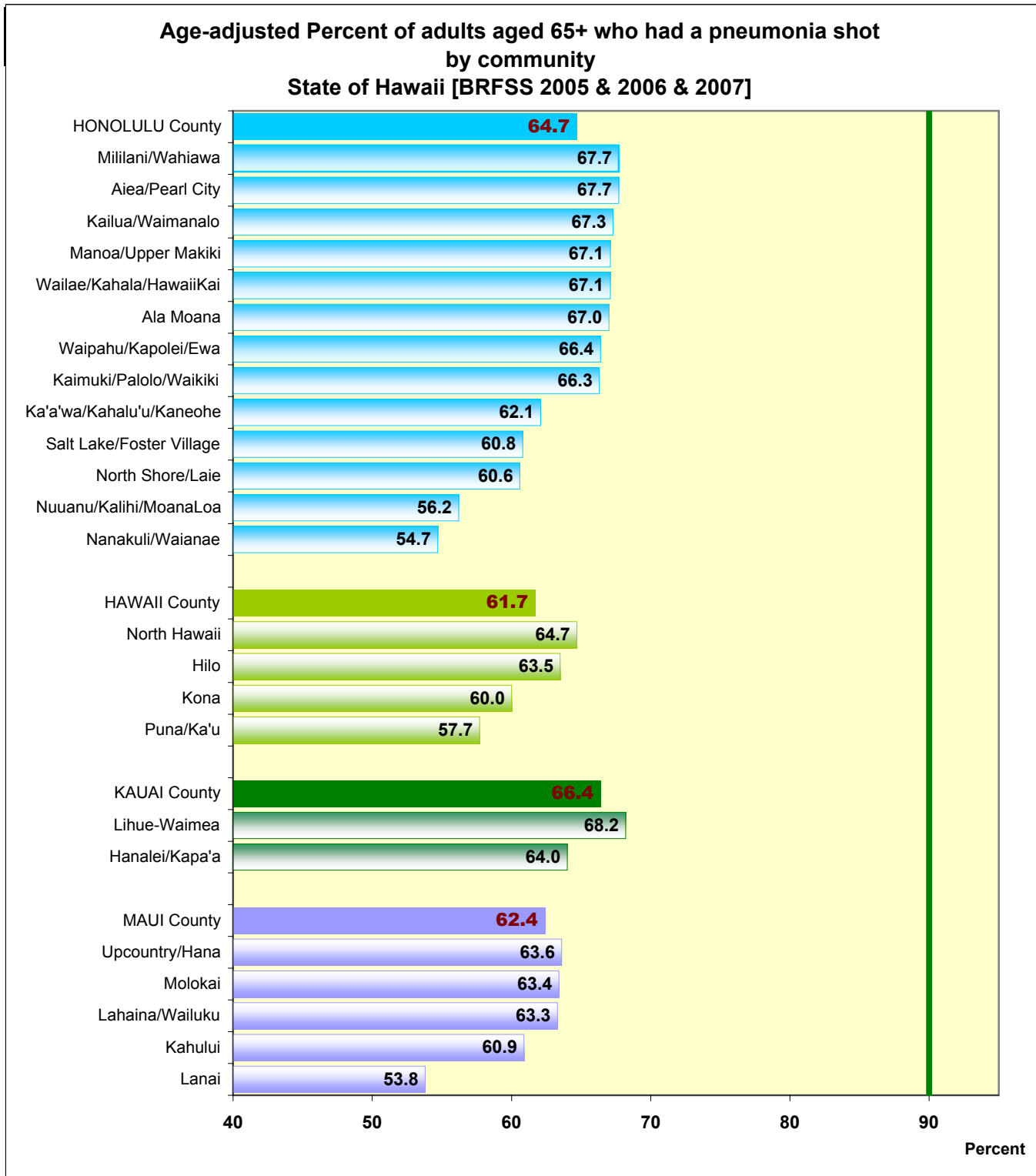
Increase the proportion of adults aged 65 years and older who are annually vaccinated against influenza to 90%



**Adults aged 65 years and older with pneumonia vaccination by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Had pneumo. shot	Total	
STATE WIDE	64.2	(62.4 - 66.0)	64.6	(62.8 - 66.4)	2,902	4,516	176,769
HONOLULU County	64.7	(62.3 - 67.0)	65.2	(62.9 - 67.5)	1,426	2,172	128,546
Aiea/Pearl City	67.7	(60.5 - 74.1)	67.6	(60.3 - 74.1)	168	240	15,130
Mililani/Wahiawa	67.7	(57.5 - 76.5)	67.8	(57.4 - 76.6)	86	126	7,938
Kailua/Waimanalo	67.3	(59.5 - 74.3)	69.0	(61.2 - 75.8)	139	201	11,926
Wailae/Kahala/HawaiiKai	67.1	(59.0 - 74.3)	67.3	(59.2 - 74.5)	120	178	10,588
Manoa/Upper Makiki	67.1	(59.9 - 73.5)	68.7	(61.2 - 75.4)	153	223	11,852
Ala Moana	67.0	(58.4 - 74.5)	67.7	(59.2 - 75.2)	110	163	8,011
Waipahu/Kapolei/Ewa	66.4	(57.6 - 74.1)	64.9	(56.3 - 72.6)	112	176	12,498
Kaimuki/Palolo/Waikiki	66.3	(59.9 - 72.3)	67.5	(61.3 - 73.2)	204	302	16,062
Ka'a'wa/Kahalu'u/Kaneohe	62.1	(53.1 - 70.3)	61.3	(52.3 - 69.6)	100	157	9,681
Salt Lake/Foster Village	60.8	(45.3 - 74.4)	63.3	(47.5 - 76.7)	27	47	2,521
North Shore/Laie	60.6	(47.4 - 72.3)	59.3	(45.8 - 71.6)	37	71	4,244
Nuuanu/Kalihi/MoanaLoa	56.2	(48.4 - 63.8)	57.8	(50.0 - 65.1)	132	223	13,630
Nanakuli/Waianae	54.7	(39.8 - 68.8)	54.7	(39.7 - 68.8)	38	65	4,464
HAWAII County	61.7	(58.5 - 64.9)	62.1	(58.8 - 65.3)	672	1,083	22,861
North Hawaii	64.7	(57.7 - 71.2)	65.8	(58.6 - 72.4)	146	228	4,236
Hilo	63.5	(57.9 - 68.7)	64.2	(58.6 - 69.5)	243	375	8,513
Kona	60.0	(53.0 - 66.6)	60.0	(53.0 - 66.5)	157	256	5,594
Puna/Ka'u	57.7	(50.5 - 64.5)	57.1	(49.8 - 64.2)	126	224	4,517
KAUAI County	66.4	(60.9 - 71.5)	66.8	(61.1 - 71.9)	279	420	8,927
Lihue-Waimea	68.2	(60.9 - 74.8)	68.6	(61.2 - 75.2)	171	246	5,064
Hanalei/Kapa'a	64.0	(55.5 - 71.8)	64.3	(55.5 - 72.1)	108	174	3,863
MAUI County	62.4	(58.0 - 66.5)	62.5	(58.1 - 66.6)	525	841	16,436
Upcountry/Hana	63.6	(54.3 - 71.9)	63.6	(54.3 - 72.1)	99	160	4,245
Molokai	63.4	(54.2 - 71.8)	63.6	(54.1 - 72.1)	83	140	1,116
Lahaina/Wailuku	63.3	(54.8 - 71.2)	63.7	(55.1 - 71.6)	113	176	4,788
Kahului	60.9	(53.5 - 67.8)	60.8	(53.4 - 67.7)	151	240	5,908
Lanai	53.8	(43.3 - 64.0)	56.0	(44.9 - 66.5)	79	125	379

**Healthy People 2010_ Objective 14.29b:
Increase the proportion of adults aged 65 years and older who ever vaccinated
against pneumococcal disease to 90%**

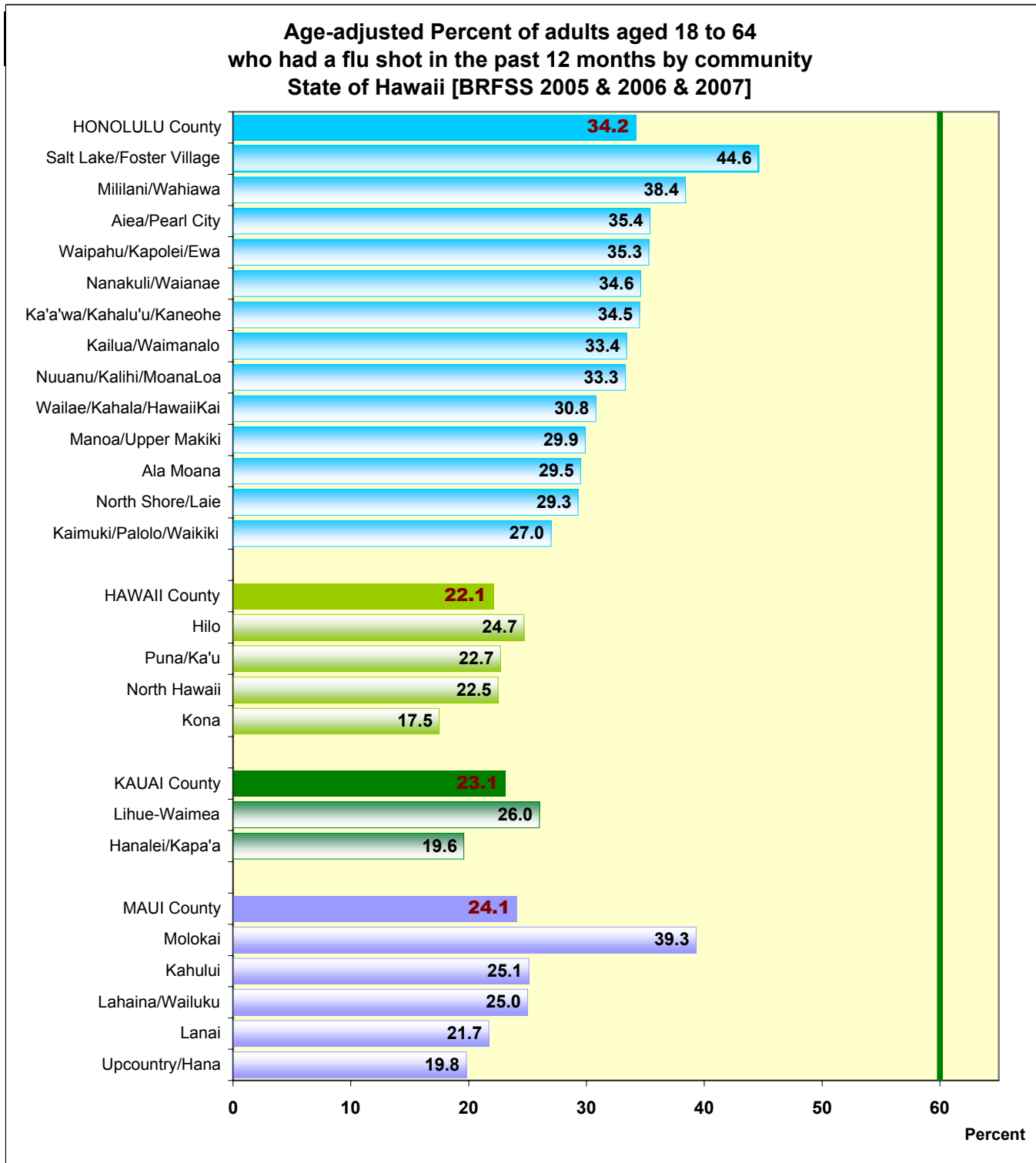


Adults aged 18 to 64 with a flu shot in the last 12 months by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Had a flu shot	Total	
STATE WIDE	31.0	(30.0 - 32.1)	31.6	(30.6 - 32.7)	4,507	15,005	800,427
HONOLULU County	34.2	(32.8 - 35.6)	34.6	(33.2 - 36.0)	2,393	6,713	571,837
Salt Lake/Foster Village	44.6	(38.6 - 50.9)	43.8	(37.7 - 50.1)	159	353	30,227
Mililani/Wahiawa	38.4	(34.5 - 42.4)	38.2	(34.3 - 42.3)	287	740	62,798
Aiea/Pearl City	35.4	(31.3 - 39.8)	35.4	(31.1 - 40.0)	232	588	53,509
Waipahu/Kapolei/Ewa	35.3	(32.0 - 38.7)	34.9	(31.7 - 38.4)	398	1,148	110,370
Nanakuli/Waianae	34.6	(28.0 - 41.8)	34.5	(27.6 - 42.2)	95	270	28,902
Ka'a'wa/Kahalu'u/Kaneohe	34.5	(29.0 - 40.4)	35.2	(30.2 - 40.6)	175	490	40,414
Kailua/Waimanalo	33.4	(28.6 - 38.5)	34.2	(29.4 - 39.3)	170	488	38,372
Nuuanu/Kalihi/MoanaLoa	33.3	(28.6 - 38.4)	34.2	(29.5 - 39.3)	202	576	56,858
Wailae/Kahala/HawaiiKai	30.8	(25.1 - 37.2)	32.0	(26.8 - 37.8)	136	393	30,658
Manoa/Upper Makiki	29.9	(24.7 - 35.8)	31.2	(26.5 - 36.3)	165	495	33,904
Ala Moana	29.5	(23.9 - 35.9)	30.5	(25.1 - 36.4)	115	346	23,810
North Shore/Laie	29.3	(23.1 - 36.5)	30.6	(23.6 - 38.6)	69	226	18,194
Kaimuki/Palolo/Waikiki	27.0	(22.7 - 31.8)	30.2	(25.9 - 34.9)	190	600	43,820
HAWAII County	22.1	(20.4 - 23.9)	23.3	(21.6 - 25.1)	856	3,477	101,016
Hilo	24.7	(21.6 - 28.0)	26.4	(23.2 - 29.8)	268	885	27,064
Puna/Ka'u	22.7	(19.5 - 26.3)	23.8	(20.5 - 27.5)	228	943	28,506
North Hawaii	22.5	(18.7 - 26.8)	23.3	(19.6 - 27.4)	186	845	22,222
Kona	17.5	(14.5 - 21.0)	19.2	(16.2 - 22.6)	174	804	23,224
KAUAI County	23.1	(20.3 - 26.1)	24.3	(21.6 - 27.1)	367	1,477	38,035
Lihue-Waimea	26.0	(22.4 - 29.9)	26.9	(23.3 - 30.9)	233	797	21,912
Hanalei/Kapa'a	19.6	(15.3 - 24.8)	20.7	(17.0 - 25.0)	134	680	16,123
MAUI County	24.1	(22.2 - 26.1)	24.9	(23.1 - 26.9)	891	3,338	89,539
Molokai	39.3	(34.0 - 44.9)	40.3	(34.9 - 45.9)	191	510	5,595
Kahului	25.1	(21.5 - 29.0)	25.6	(22.0 - 29.5)	198	750	27,031
Lahaina/Wailuku	25.0	(21.4 - 29.0)	25.5	(21.9 - 29.5)	202	732	26,971
Lanai	21.7	(17.3 - 26.8)	21.9	(17.6 - 26.9)	103	468	1,882
Upcountry/Hana	19.8	(16.6 - 23.4)	20.9	(17.9 - 24.3)	197	878	28,059

Healthy People 2010_ Objective 14.29c:

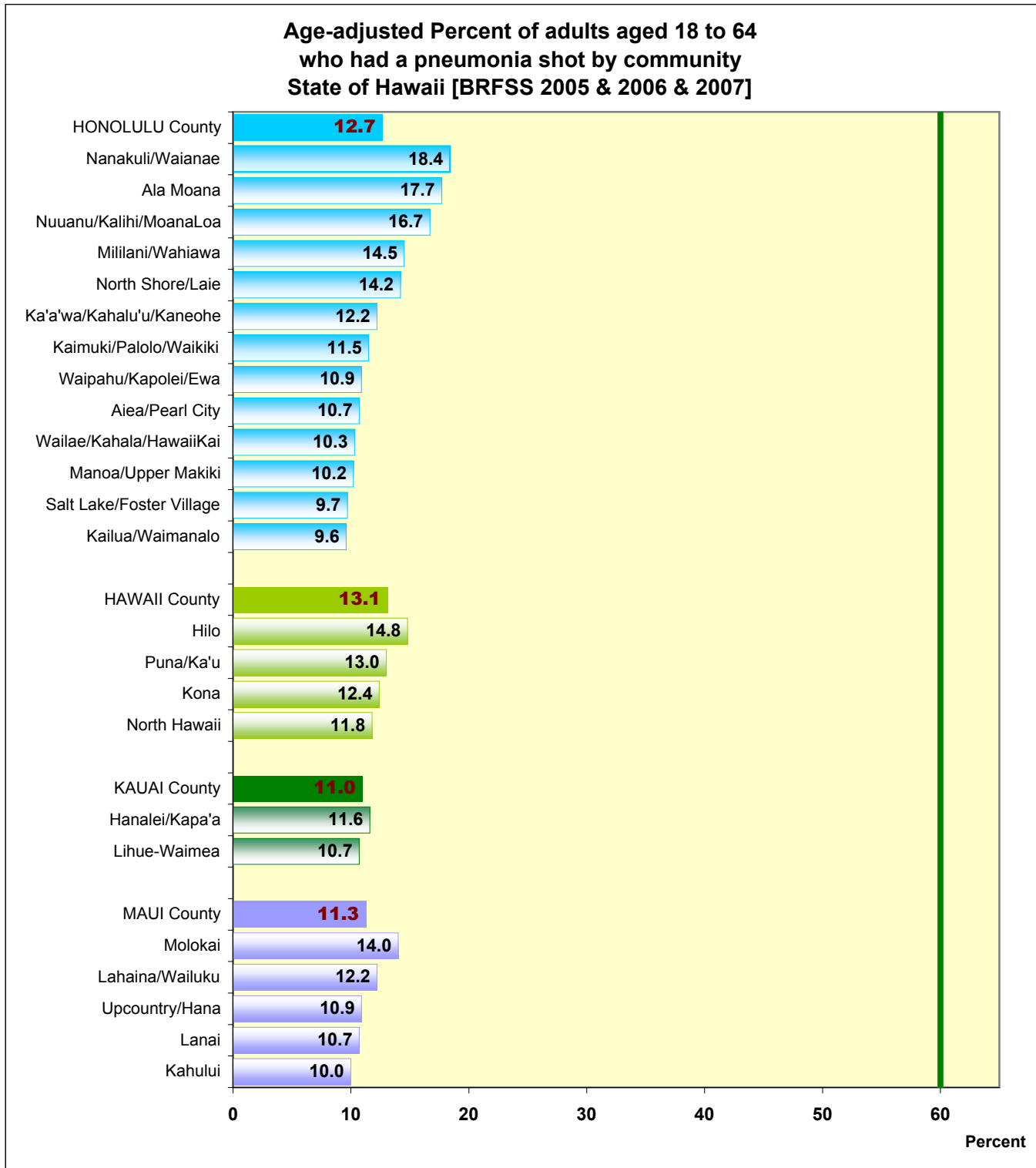
Increase the proportion of adults aged 18 to 64 who are annually vaccinated against influenza to 60%



Adults aged 18 to 64 with pneumonia vaccination by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Had pneumo. shot	Total	
STATE WIDE	12.5	(11.7 - 13.3)	12.8	(12.1 - 13.6)	1,970	14,999	800,183
HONOLULU County	12.7	(11.7 - 13.7)	12.9	(11.9 - 14.0)	876	6,710	571,663
Nanakuli/Waianae	18.4	(13.3 - 24.9)	19.0	(13.2 - 26.5)	49	269	28,838
Ala Moana	17.7	(13.5 - 22.9)	17.7	(13.6 - 22.8)	65	346	23,810
Nuuanu/Kalihi/MoanaLoa	16.7	(13.0 - 21.2)	17.2	(13.5 - 21.8)	94	576	56,858
Mililani/Wahiawa	14.5	(11.8 - 17.7)	14.8	(12.0 - 18.1)	106	740	62,798
North Shore/Laie	14.2	(9.7 - 20.3)	14.6	(10.0 - 20.8)	35	226	18,194
Ka'a'wa/Kahalu'u/Kaneohe	12.2	(9.2 - 15.9)	13.2	(10.2 - 17.0)	73	490	40,414
Kaimuki/Palolo/Waikiki	11.5	(8.4 - 15.5)	12.5	(9.5 - 16.3)	74	600	43,820
Waipahu/Kapolei/Ewa	10.9	(8.8 - 13.4)	10.8	(8.7 - 13.3)	123	1,146	110,260
Aiea/Pearl City	10.7	(8.0 - 14.2)	10.9	(8.1 - 14.5)	69	588	53,509
Wailae/Kahala/HawaiiKai	10.3	(7.0 - 14.8)	11.3	(8.0 - 15.6)	43	393	30,658
Manoa/Upper Makiki	10.2	(6.9 - 14.8)	10.6	(7.6 - 14.5)	55	495	33,904
Salt Lake/Foster Village	9.7	(6.8 - 13.6)	10.1	(7.0 - 14.2)	38	353	30,227
Kailua/Waimanalo	9.6	(7.0 - 13.1)	9.9	(7.3 - 13.3)	52	488	38,372
HAWAII County	13.1	(11.6 - 14.6)	13.6	(12.2 - 15.2)	480	3,476	100,965
Hilo	14.8	(12.1 - 18.0)	15.5	(12.8 - 18.6)	142	885	27,064
Puna/Ka'u	13.0	(10.4 - 16.1)	13.3	(10.8 - 16.3)	130	942	28,455
Kona	12.4	(9.5 - 15.9)	13.2	(10.5 - 16.5)	108	804	23,224
North Hawaii	11.8	(9.0 - 15.4)	12.2	(9.4 - 15.7)	100	845	22,222
KAUAI County	11.0	(9.2 - 13.2)	11.7	(9.9 - 13.8)	186	1,476	38,025
Hanalei/Kapa'a	11.6	(8.6 - 15.4)	12.4	(9.7 - 15.8)	84	680	16,123
Lihue-Waimea	10.7	(8.4 - 13.5)	11.2	(8.9 - 14.0)	102	796	21,902
MAUI County	11.3	(9.7 - 13.1)	11.7	(10.2 - 13.4)	428	3,337	89,530
Molokai	14.0	(10.7 - 18.2)	15.2	(11.6 - 19.6)	80	509	5,586
Lahaina/Wailuku	12.2	(8.9 - 16.5)	12.4	(9.3 - 16.5)	98	732	26,971
Upcountry/Hana	10.9	(8.4 - 14.1)	11.7	(9.2 - 14.7)	109	878	28,059
Lanai	10.7	(7.6 - 15.0)	10.6	(7.5 - 14.6)	48	468	1,882
Kahului	10.0	(7.8 - 12.9)	10.4	(8.2 - 13.2)	93	750	27,031

**Healthy People 2010_ Objective 14.29d:
Increase the proportion of adults aged 18 to 64 who ever vaccinated against pneumococcal disease to 60%**

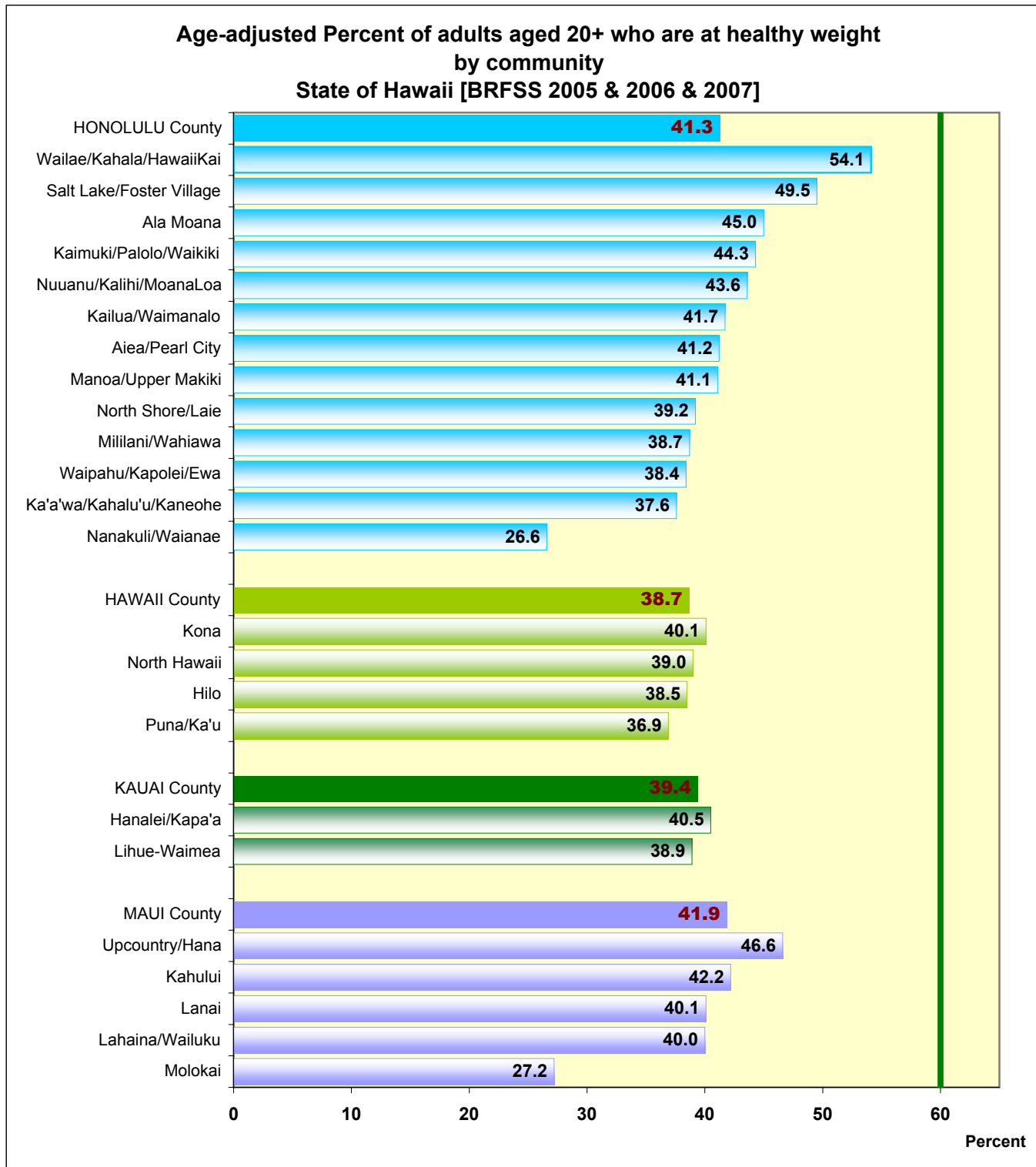


**Adults aged 20 years and older with healthy weight by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	At healthy weight	Total	
STATE WIDE	41.0	(40.0 - 42.0)	41.0	(40.0 - 41.9)	8,085	19,331	950,246
HONOLULU County	41.3	(40.0 - 42.6)	41.4	(40.2 - 42.7)	3,743	8,794	680,831
Wailae/Kahala/HawaiiKai	54.1	(48.8 - 59.3)	50.5	(45.7 - 55.3)	286	570	40,538
Salt Lake/Foster Village	49.5	(43.9 - 55.2)	52.7	(46.7 - 58.5)	193	394	31,801
Ala Moana	45.0	(39.4 - 50.7)	45.5	(40.4 - 50.6)	237	509	31,535
Kaimuki/Palolo/Waikiki	44.3	(39.9 - 48.8)	45.1	(41.1 - 49.0)	420	895	58,815
Nuuanu/Kalihi/MoanaLoa	43.6	(39.2 - 48.1)	44.2	(39.8 - 48.6)	344	791	68,540
Kailua/Waimanalo	41.7	(37.1 - 46.4)	41.7	(37.3 - 46.1)	285	685	49,322
Aiea/Pearl City	41.2	(37.1 - 45.4)	41.8	(37.9 - 45.9)	339	818	66,156
Manoa/Upper Makiki	41.1	(36.0 - 46.5)	43.4	(39.0 - 47.8)	331	716	45,112
North Shore/Laie	39.2	(32.7 - 46.1)	39.6	(33.1 - 46.4)	119	291	21,424
Mililani/Wahiawa	38.7	(35.1 - 42.5)	38.3	(34.6 - 42.1)	340	847	67,198
Waipahu/Kapolei/Ewa	38.4	(35.3 - 41.7)	37.6	(34.5 - 40.8)	514	1,305	118,970
Ka'a'wa/Kahalu'u/Kaneohe	37.6	(33.2 - 42.2)	36.8	(32.5 - 41.4)	246	643	49,139
Nanakuli/Waianae	26.6	(21.6 - 32.4)	27.0	(21.4 - 33.5)	89	330	32,281
HAWAII County	38.7	(36.9 - 40.5)	38.8	(37.1 - 40.6)	1,843	4,517	120,465
Kona	40.1	(36.2 - 44.2)	40.6	(37.0 - 44.3)	455	1,053	28,281
North Hawaii	39.0	(35.2 - 42.9)	39.2	(35.5 - 43.0)	460	1,063	25,653
Hilo	38.5	(35.2 - 41.9)	39.3	(36.2 - 42.6)	503	1,247	34,517
Puna/Ka'u	36.9	(33.4 - 40.5)	36.4	(32.9 - 40.1)	425	1,154	32,014
KAUAI County	39.4	(36.5 - 42.4)	39.7	(36.9 - 42.4)	789	1,886	45,814
Hanalei/Kapa'a	40.5	(36.0 - 45.1)	40.1	(36.2 - 44.1)	357	851	19,600
Lihue-Waimea	38.9	(35.1 - 42.9)	39.3	(35.6 - 43.2)	432	1,035	26,215
MAUI County	41.9	(39.7 - 44.1)	41.3	(39.2 - 43.4)	1,710	4,134	103,136
Upcountry/Hana	46.6	(42.3 - 50.9)	45.1	(41.3 - 49.1)	486	1,027	31,364
Kahului	42.2	(38.3 - 46.2)	42.0	(38.1 - 46.0)	419	985	32,418
Lanai	40.1	(35.1 - 45.3)	39.6	(34.6 - 44.8)	223	587	2,187
Lahaina/Wailuku	40.0	(35.9 - 44.3)	39.5	(35.6 - 43.7)	391	898	30,873
Molokai	27.2	(23.3 - 31.6)	27.4	(23.6 - 31.7)	191	637	6,295

Healthy People 2010_ Objective 19.1:

Increase the proportion of adults (aged 20+) who are at healthy weight to 60%

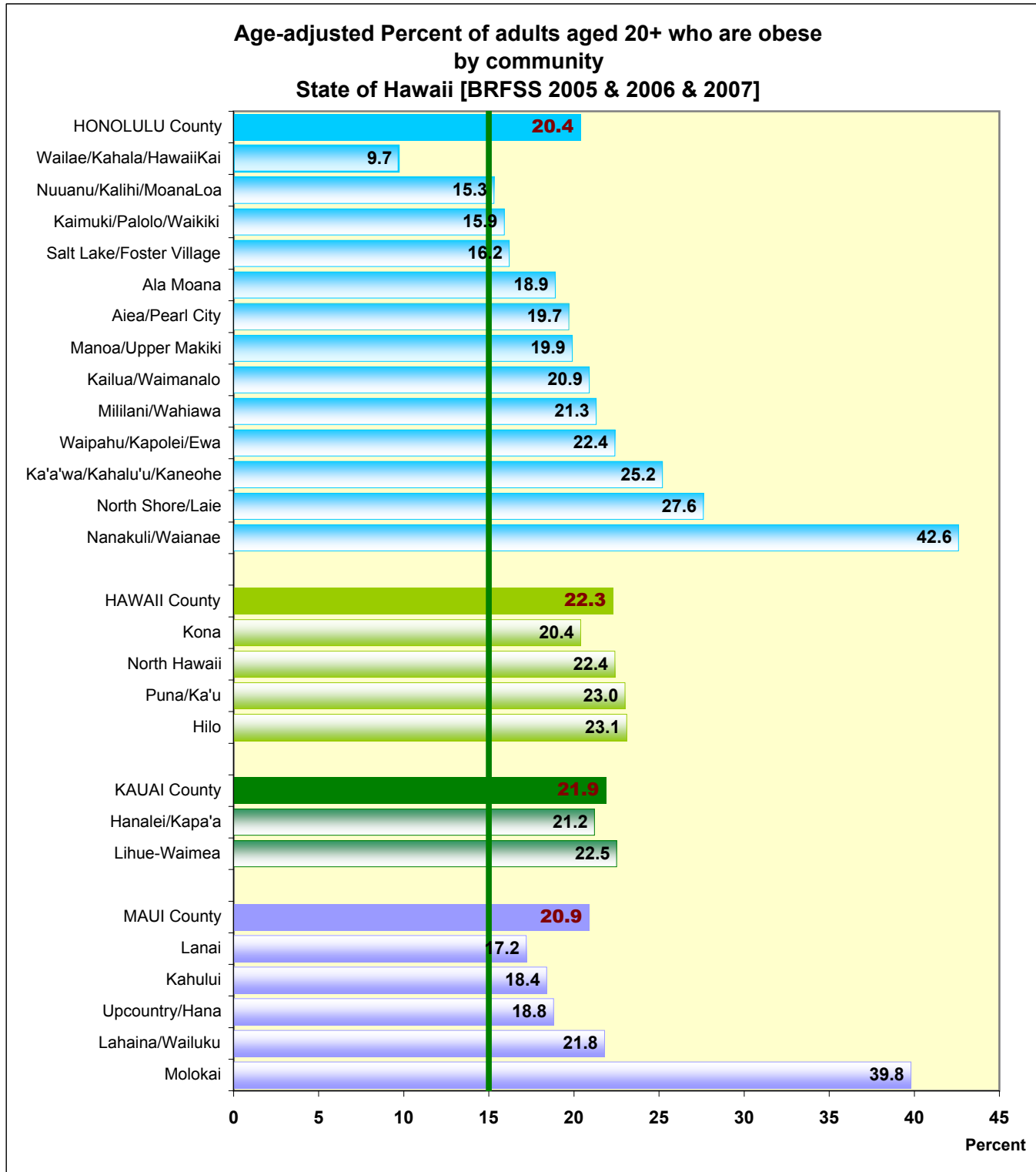


**Adults aged 20 years and older with obesity by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Obese	Total	
STATE WIDE	20.7	(19.9 - 21.6)	20.6	(19.8 - 21.5)	3,823	19,331	950,246
HONOLULU County	20.4	(19.3 - 21.5)	20.2	(19.2 - 21.3)	1,649	8,794	680,831
Wailae/Kahala/HawaiiKai	9.7	(6.8 - 13.5)	10.4	(7.7 - 13.9)	58	570	40,538
Nuuanu/Kalihi/MoanaLoa	15.3	(12.3 - 18.8)	14.6	(11.6 - 18.1)	111	791	68,540
Kaimuki/Palolo/Waikiki	15.9	(12.5 - 19.9)	14.8	(11.9 - 18.4)	114	895	58,815
Salt Lake/Foster Village	16.2	(12.3 - 21.0)	14.0	(10.6 - 18.4)	62	394	31,801
Ala Moana	18.9	(14.9 - 23.5)	18.3	(14.7 - 22.5)	92	509	31,535
Aiea/Pearl City	19.7	(16.6 - 23.3)	19.1	(16.1 - 22.5)	156	818	66,156
Manoa/Upper Makiki	19.9	(15.8 - 24.8)	18.3	(15.0 - 22.1)	116	716	45,112
Kailua/Waimanalo	20.9	(17.2 - 25.2)	20.6	(17.1 - 24.7)	128	685	49,322
Mililani/Wahiawa	21.3	(18.3 - 24.7)	21.8	(18.6 - 25.3)	174	847	67,198
Waipahu/Kapolei/Ewa	22.4	(19.8 - 25.3)	22.9	(20.2 - 25.8)	284	1,305	118,970
Ka'a'wa/Kahalu'u/Kaneohe	25.2	(20.9 - 30.1)	24.8	(20.8 - 29.2)	152	643	49,139
North Shore/Laie	27.6	(21.6 - 34.6)	27.0	(20.9 - 34.2)	69	291	21,424
Nanakuli/Waianae	42.6	(36.4 - 49.0)	42.4	(35.8 - 49.4)	133	330	32,281
HAWAII County	22.3	(20.7 - 24.0)	22.2	(20.6 - 23.8)	911	4,517	120,465
Kona	20.4	(17.2 - 24.0)	20.8	(17.7 - 24.2)	190	1,053	28,281
North Hawaii	22.4	(19.0 - 26.3)	22.1	(18.8 - 25.9)	200	1,063	25,653
Puna/Ka'u	23.0	(19.9 - 26.3)	23.8	(20.7 - 27.2)	262	1,154	32,014
Hilo	23.1	(20.1 - 26.3)	21.9	(19.1 - 24.9)	259	1,247	34,517
KAUAI County	21.9	(19.4 - 24.7)	21.5	(19.1 - 24.0)	371	1,886	45,814
Hanalei/Kapa'a	21.2	(17.5 - 25.6)	20.3	(17.0 - 24.0)	156	851	19,600
Lihue-Waimea	22.5	(19.2 - 26.3)	22.4	(19.1 - 26.0)	215	1,035	26,215
MAUI County	20.9	(19.1 - 22.7)	21.0	(19.4 - 22.8)	892	4,134	103,136
Lanai	17.2	(13.9 - 21.2)	17.3	(14.0 - 21.2)	111	587	2,187
Kahului	18.4	(15.6 - 21.6)	18.6	(15.9 - 21.8)	185	985	32,418
Upcountry/Hana	18.8	(15.6 - 22.6)	18.9	(15.9 - 22.3)	179	1,027	31,364
Lahaina/Wailuku	21.8	(18.6 - 25.4)	22.3	(19.1 - 25.9)	188	898	30,873
Molokai	39.8	(34.9 - 44.9)	38.9	(34.2 - 43.7)	229	637	6,295

Healthy People 2010_ Objective 19.2:

Reduce the proportion of adults (aged 20+) who are obese to 15%

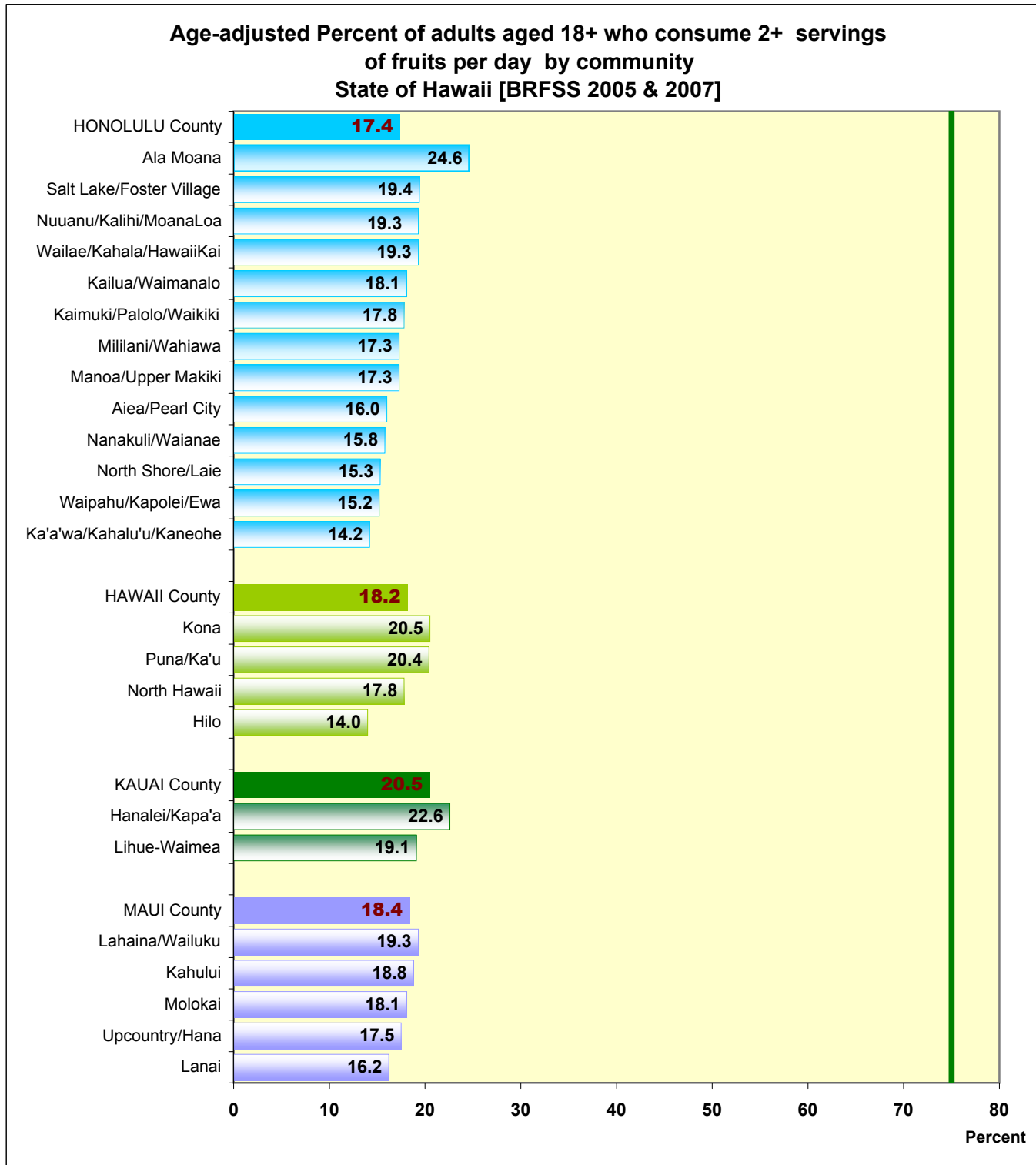


**Daily consuming 2 or more servings of fruits by community
State of Hawaii [BRFSS 2005 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Have 2+ servings of fruits	Total	
STATE WIDE	17.8	(16.9 - 18.7)	18.0	(17.1 - 18.9)	2,492	12,823	966,087
HONOLULU County	17.4	(16.3 - 18.6)	17.5	(16.4 - 18.7)	1,068	5,796	692,235
Ala Moana	24.6	(18.6 - 31.7)	24.6	(19.3 - 30.8)	77	329	30,896
Salt Lake/Foster Village	19.4	(14.4 - 25.5)	18.5	(13.7 - 24.6)	50	244	30,449
Wailae/Kahala/HawaiiKai	19.3	(14.6 - 25.0)	20.6	(16.3 - 25.7)	82	372	40,700
Nuuanu/Kalihi/MoanaLoa	19.3	(15.3 - 24.1)	19.5	(15.6 - 24.0)	105	507	67,548
Kailua/Waimanalo	18.1	(14.5 - 22.4)	18.7	(15.1 - 23.0)	92	448	50,109
Kaimuki/Palolo/Waikiki	17.8	(14.1 - 22.3)	18.3	(14.8 - 22.2)	112	591	59,876
Manoa/Upper Makiki	17.3	(12.3 - 23.7)	17.9	(13.8 - 22.8)	79	461	43,974
Mililani/Wahiawa	17.3	(14.1 - 21.1)	17.5	(14.2 - 21.4)	102	584	71,859
Aiea/Pearl City	16.0	(12.4 - 20.4)	16.2	(12.6 - 20.5)	89	549	67,830
Nanakuli/Waianae	15.8	(11.2 - 21.7)	17.6	(11.7 - 25.5)	41	233	35,879
North Shore/Laie	15.3	(10.3 - 22.0)	15.5	(10.5 - 22.2)	33	181	20,981
Waipahu/Kapolei/Ewa	15.2	(12.6 - 18.3)	14.5	(11.9 - 17.4)	128	860	121,512
Ka'a'wa/Kahalu'u/Kaneohe	14.2	(10.8 - 18.5)	15.3	(11.9 - 19.4)	78	437	50,622
HAWAII County	18.2	(16.5 - 20.0)	18.9	(17.2 - 20.7)	619	3,132	123,301
Kona	20.5	(16.8 - 24.7)	21.4	(17.8 - 25.5)	150	705	28,179
Puna/Ka'u	20.4	(17.2 - 24.1)	21.2	(17.6 - 25.4)	172	804	33,515
North Hawaii	17.8	(14.6 - 21.4)	18.1	(14.9 - 21.8)	145	769	26,068
Hilo	14.0	(11.6 - 16.8)	15.1	(12.7 - 18.0)	152	854	35,539
KAUAI County	20.5	(17.4 - 24.0)	20.4	(17.7 - 23.5)	253	1,219	45,805
Hanalei/Kapa'a	22.6	(17.5 - 28.6)	21.9	(17.5 - 27.0)	106	548	19,189
Lihue-Waimea	19.1	(15.6 - 23.2)	19.4	(16.1 - 23.2)	147	671	26,616
MAUI County	18.4	(16.5 - 20.4)	18.6	(16.8 - 20.6)	552	2,676	104,746
Lahaina/Wailuku	19.3	(15.5 - 23.7)	19.1	(15.4 - 23.4)	109	567	31,218
Kahului	18.8	(15.5 - 22.6)	19.4	(16.1 - 23.2)	140	644	32,783
Molokai	18.1	(14.5 - 22.5)	17.7	(14.0 - 22.1)	89	432	6,628
Upcountry/Hana	17.5	(14.3 - 21.2)	17.6	(14.6 - 21.1)	141	659	31,910
Lanai	16.2	(12.2 - 21.2)	16.6	(12.6 - 21.6)	73	374	2,207

Healthy People 2010_ Objective 19.5:

Increase the proportion of persons (aged 2+) who consume at least two daily servings of fruit to 75%

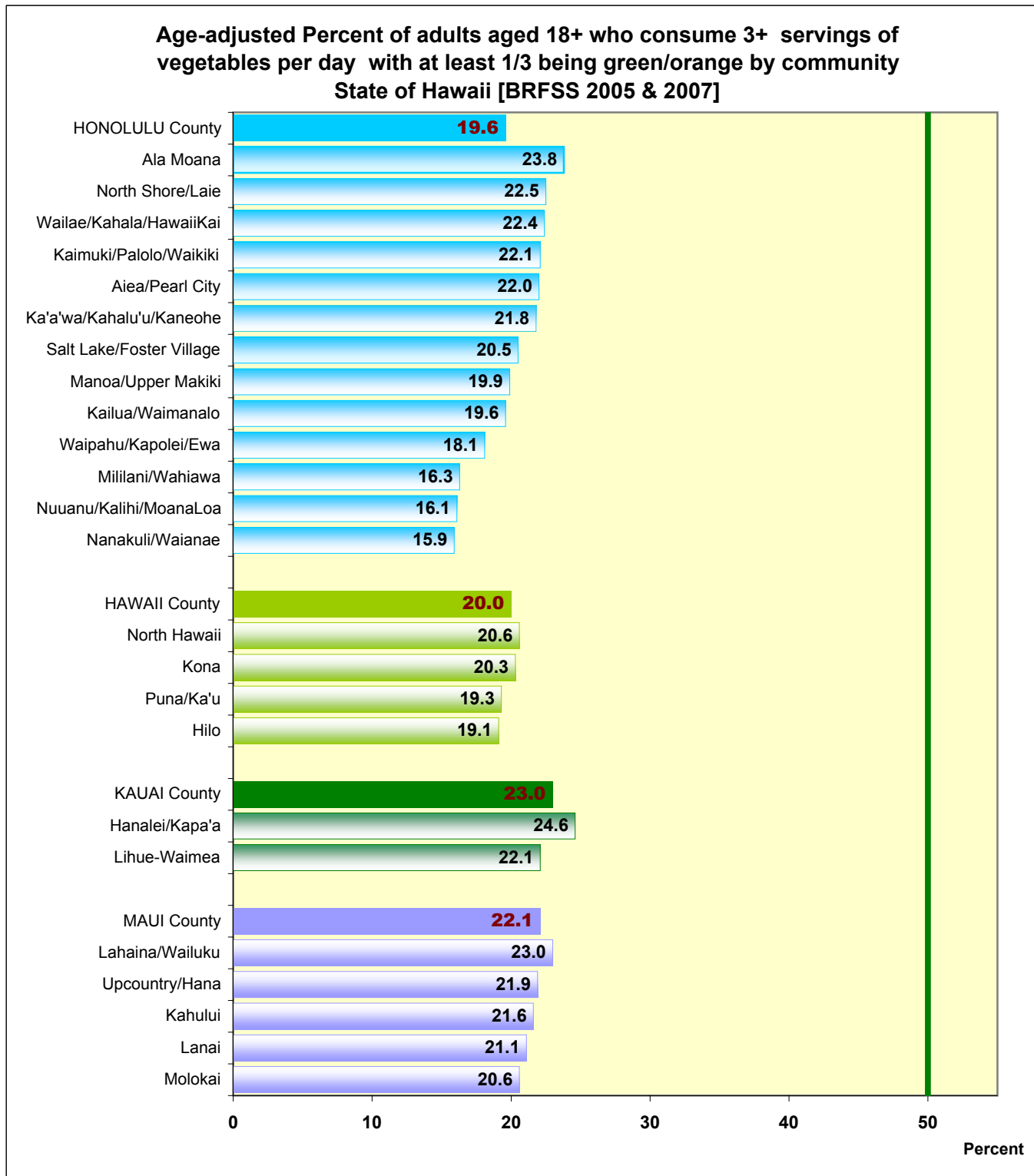


**Daily consuming 3 or more servings of vegetables
with at least 1/3 being green/orange by sub-area
State of Hawaii [BRFSS 2005 & 2007]**

County and Sub-areas	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Have 3+ servings of vegetables	Total	
STATE WIDE	20.1	(19.2 - 21.1)	20.4	(19.4 - 21.3)	2,883	12,738	959,160
HONOLULU County	19.6	(18.4 - 20.9)	19.7	(18.5 - 21.0)	1,227	5,754	687,084
Ala Moana	23.8	(18.7 - 29.7)	25.0	(20.0 - 30.8)	87	327	30,715
North Shore/Laie	22.5	(16.4 - 30.1)	23.5	(16.7 - 32.0)	42	179	20,856
Wailae/Kahala/HawaiiKai	22.4	(16.9 - 29.0)	23.0	(18.4 - 28.3)	93	370	40,508
Kaimuki/Palolo/Waikiki	22.1	(18.1 - 26.8)	21.6	(18.0 - 25.7)	134	587	59,402
Aiea/Pearl City	22.0	(17.9 - 26.8)	22.7	(18.5 - 27.4)	119	545	67,175
Ka'a'wa/Kahalu'u/Kaneohe	21.8	(17.6 - 26.6)	22.4	(18.3 - 27.0)	110	434	50,068
Salt Lake/Foster Village	20.5	(14.6 - 28.0)	19.2	(13.2 - 27.0)	43	239	29,868
Manoa/Upper Makiki	19.9	(15.7 - 25.0)	21.9	(17.8 - 26.5)	106	456	43,565
Kailua/Waimanalo	19.6	(15.5 - 24.5)	20.5	(16.4 - 25.3)	95	446	49,865
Waipahu/Kapolei/Ewa	18.1	(15.3 - 21.3)	17.1	(14.3 - 20.2)	158	857	121,083
Mililani/Wahiawa	16.3	(13.2 - 20.0)	15.9	(12.8 - 19.7)	99	581	71,726
Nuuanu/Kalihi/MoanaLoa	16.1	(12.7 - 20.1)	16.4	(13.1 - 20.4)	101	502	66,579
Nanakuli/Waianae	15.9	(10.9 - 22.8)	16.6	(10.9 - 24.5)	40	231	35,674
HAWAII County	20.0	(18.3 - 21.9)	20.8	(19.1 - 22.6)	696	3,111	122,379
North Hawaii	20.6	(17.3 - 24.2)	21.1	(17.8 - 24.8)	182	763	25,861
Kona	20.3	(16.8 - 24.3)	21.1	(17.8 - 25.0)	164	702	27,845
Puna/Ka'u	19.3	(16.2 - 22.8)	21.4	(17.7 - 25.6)	166	798	33,244
Hilo	19.1	(16.1 - 22.4)	19.8	(16.9 - 23.1)	184	848	35,428
KAUAI County	23.0	(20.2 - 26.2)	23.6	(20.9 - 26.6)	313	1,212	45,650
Hanalei/Kapa'a	24.6	(20.3 - 29.5)	25.2	(21.2 - 29.8)	149	544	19,094
Lihue-Waimea	22.1	(18.4 - 26.3)	22.4	(18.9 - 26.5)	164	668	26,557
MAUI County	22.1	(20.1 - 24.3)	22.6	(20.6 - 24.8)	647	2,661	104,047
Lahaina/Wailuku	23.0	(19.0 - 27.6)	22.7	(18.8 - 27.2)	136	562	30,925
Upcountry/Hana	21.9	(18.3 - 26.0)	23.4	(19.8 - 27.4)	167	657	31,875
Kahului	21.6	(18.0 - 25.6)	22.4	(18.8 - 26.5)	160	641	32,458
Lanai	21.1	(16.6 - 26.6)	21.4	(16.8 - 27.0)	82	374	2,207
Molokai	20.6	(16.5 - 25.5)	19.9	(15.9 - 24.7)	102	427	6,581

Healthy People 2010_ Objective 19.6:

Increase the proportion of persons (aged 2+) who consume at least three daily servings of vegetables with at least 1/3 being dark green or orange to 50%

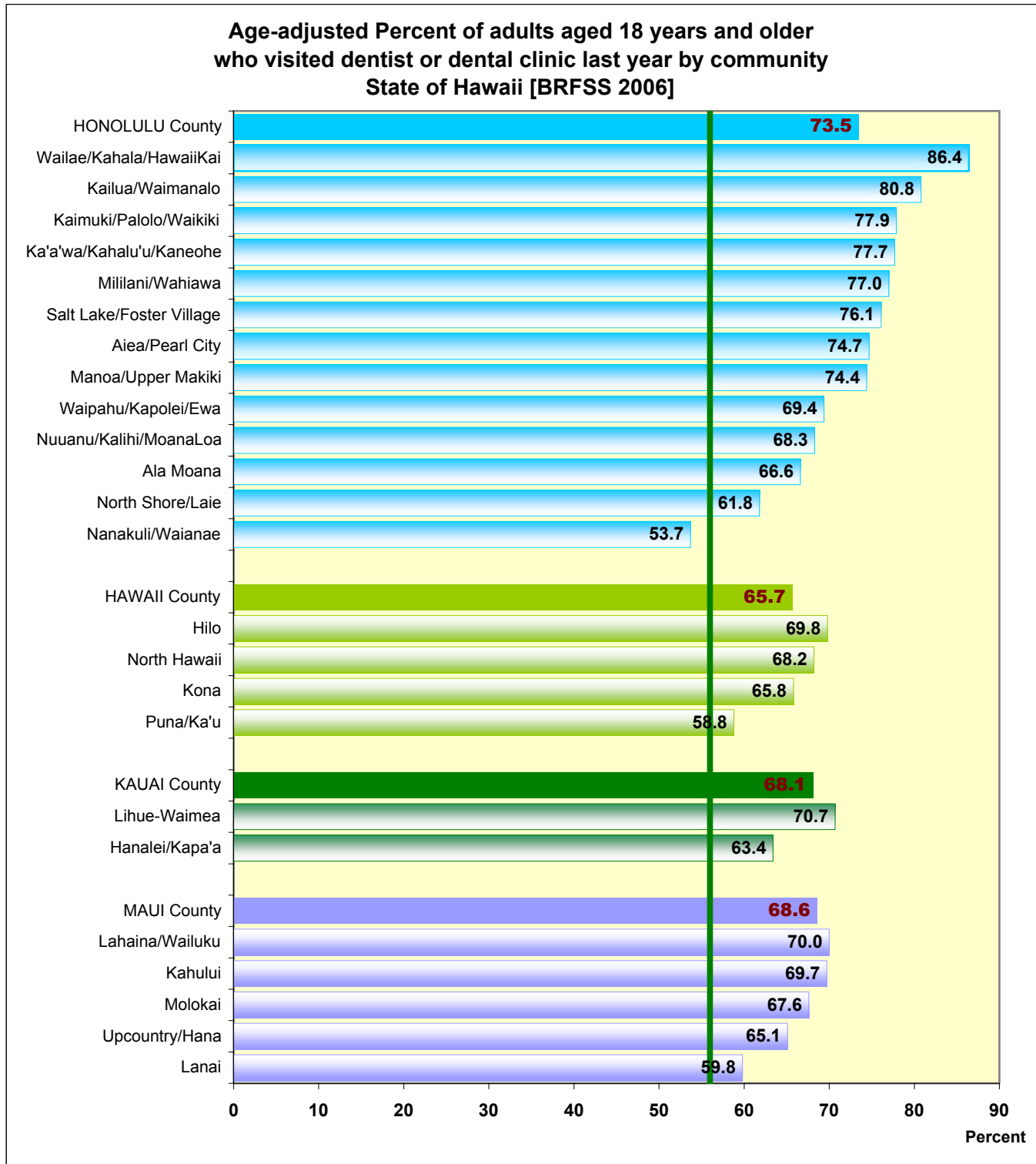


**Visiting dentist office or dental clinic in the past 12 months by community
State of Hawaii [BRFSS 2006]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Visited dentist or dental clinic	Total	
STATE WIDE	71.8	(70.2 - 73.4)	72.0	(70.4 - 73.6)	4,816	6,564	976,549
HONOLULU County	73.5	(71.4 - 75.5)	73.6	(71.6 - 75.6)	2,310	3,017	700,020
Wailae/Kahala/HawaiiKai	86.4	(78.7 - 91.6)	87.4	(80.9 - 91.9)	176	200	42,770
Kailua/Waimanalo	80.8	(73.5 - 86.5)	81.3	(74.6 - 86.5)	191	234	49,454
Kaimuki/Palolo/Waikiki	77.9	(70.2 - 84.1)	78.6	(71.8 - 84.2)	240	300	57,439
Ka'a'wa/Kahalu'u/Kaneohe	77.7	(69.6 - 84.2)	77.6	(69.9 - 83.8)	161	205	48,248
Mililani/Wahiawa	77.0	(70.6 - 82.4)	76.9	(70.1 - 82.5)	215	272	65,963
Salt Lake/Foster Village	76.1	(66.5 - 83.7)	76.0	(66.8 - 83.3)	118	153	36,637
Aiea/Pearl City	74.7	(67.8 - 80.5)	74.4	(67.5 - 80.3)	212	270	66,776
Manoa/Upper Makiki	74.4	(67.1 - 80.4)	75.6	(67.4 - 82.4)	201	252	47,966
Waipahu/Kapolei/Ewa	69.4	(63.9 - 74.5)	70.0	(64.2 - 75.1)	332	453	123,982
Nuuanu/Kalihi/MoanaLoa	68.3	(61.3 - 74.6)	67.8	(60.3 - 74.5)	203	286	74,915
Ala Moana	66.6	(57.5 - 74.6)	68.1	(59.6 - 75.5)	131	180	33,335
North Shore/Laie	61.8	(52.7 - 70.0)	63.6	(51.7 - 74.0)	75	111	24,333
Nanakuli/Waianae	53.7	(42.7 - 64.3)	53.7	(41.9 - 65.0)	55	101	28,202
HAWAII County	65.7	(62.4 - 68.9)	66.3	(63.1 - 69.5)	962	1,394	122,011
Hilo	69.8	(63.7 - 75.3)	70.0	(64.0 - 75.3)	288	396	34,815
North Hawaii	68.2	(60.8 - 74.8)	68.3	(60.9 - 74.9)	208	295	26,191
Kona	65.8	(58.9 - 72.2)	67.9	(61.0 - 74.1)	249	347	29,512
Puna/Ka'u	58.8	(52.3 - 65.0)	59.2	(52.5 - 65.5)	217	356	31,493
KAUAI County	68.1	(63.2 - 72.7)	69.4	(64.5 - 73.8)	489	665	48,001
Lihue-Waimea	70.7	(65.0 - 75.9)	71.7	(65.2 - 77.4)	273	366	27,153
Hanalei/Kapa'a	63.4	(55.0 - 71.0)	66.3	(58.8 - 73.1)	216	299	20,848
MAUI County	68.6	(65.0 - 72.0)	69.0	(65.5 - 72.3)	1,055	1,488	106,516
Lahaina/Wailuku	70.0	(63.3 - 75.9)	70.9	(64.5 - 76.6)	251	340	32,725
Kahului	69.7	(62.9 - 75.7)	69.6	(62.8 - 75.6)	250	340	32,902
Molokai	67.6	(59.4 - 74.9)	67.2	(59.1 - 74.4)	143	216	6,576
Upcountry/Hana	65.1	(58.3 - 71.3)	67.4	(60.7 - 73.6)	271	371	31,925
Lanai	59.8	(51.5 - 67.5)	59.6	(51.3 - 67.4)	140	221	2,388

Healthy People 2010_ Objective 21.10:

Increase the proportion of children and adults who use the oral health care system each year to 56%

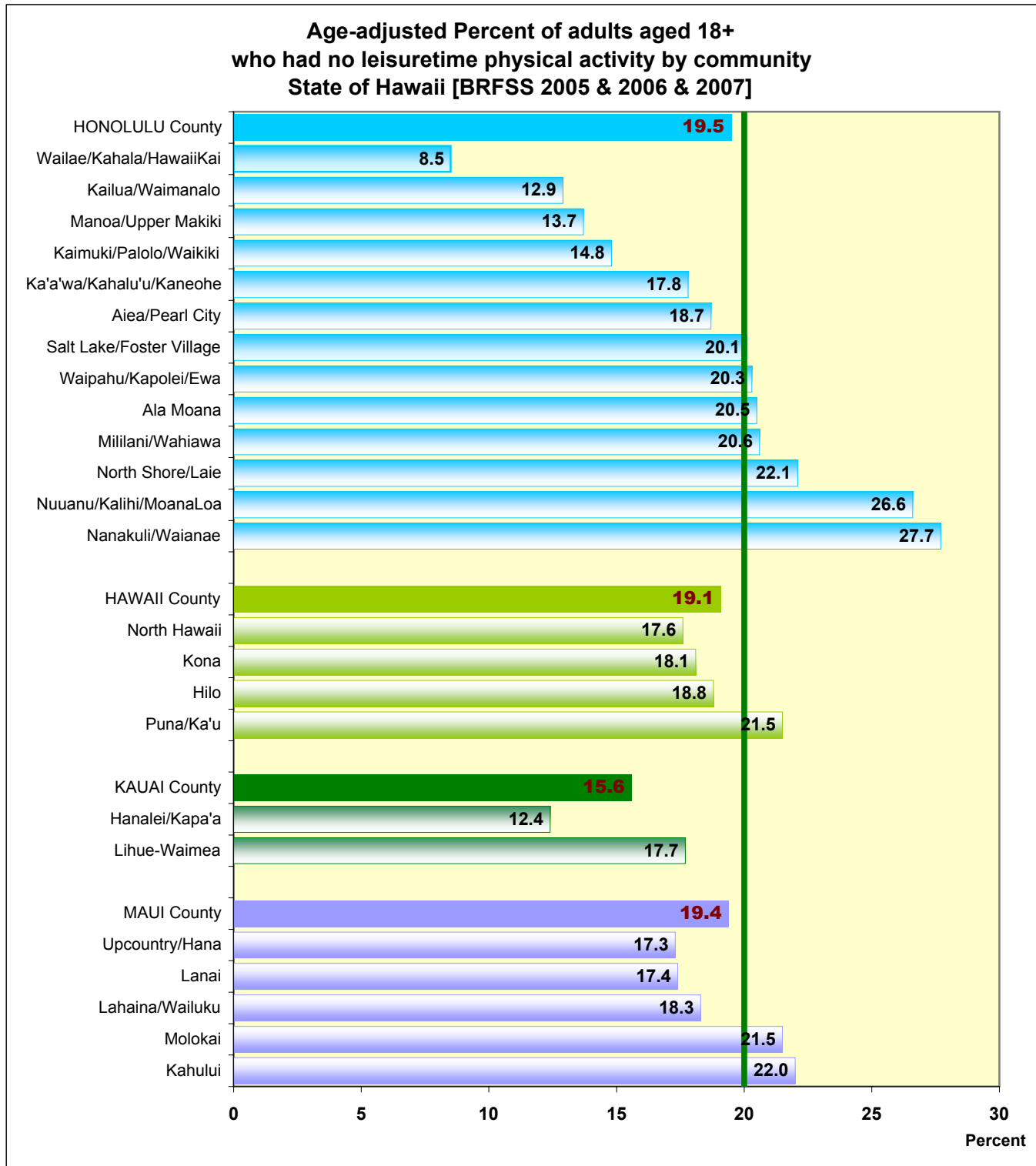


**Adults aged 18 years and older with no leisure time physical activity by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	No leisure time physical activity	Total	
STATE WIDE	18.7	(18.0 - 19.5)	18.9	(18.2 - 19.7)	3,597	19,583	980,308
HONOLULU County	18.8	(17.9 - 19.8)	19.0	(18.0 - 20.0)	1,700	8,911	702,484
Wailae/Kahala/HawaiiKai	8.5	(6.3 - 11.2)	9.7	(7.5 - 12.6)	67	575	41,519
Kailua/Waimanalo	12.9	(10.3 - 16.1)	13.7	(11.1 - 16.9)	102	690	50,346
Manoa/Upper Makiki	13.7	(10.8 - 17.1)	14.4	(11.6 - 17.7)	111	720	45,899
Kaimuki/Palolo/Waikiki	14.8	(12.2 - 17.9)	16.6	(14.0 - 19.6)	151	903	59,912
Ka'a'wa/Kahalu'u/Kaneohe	17.8	(14.1 - 22.2)	18.0	(14.6 - 22.0)	111	649	50,246
Aiea/Pearl City	18.7	(15.9 - 21.8)	19.3	(16.5 - 22.6)	175	831	68,812
Salt Lake/Foster Village	20.1	(15.7 - 25.3)	16.7	(12.8 - 21.4)	68	400	32,749
Waipahu/Kapolei/Ewa	20.3	(17.9 - 23.0)	19.5	(17.1 - 22.1)	265	1,328	123,482
Ala Moana	20.5	(16.7 - 25.0)	22.0	(18.2 - 26.5)	112	512	31,944
Mililani/Wahiawa	20.6	(17.7 - 23.8)	20.0	(17.2 - 23.2)	182	868	70,862
North Shore/Laie	22.1	(16.4 - 29.1)	22.0	(16.2 - 29.2)	54	297	22,438
Nuuanu/Kalihi/MoanaLoa	26.6	(22.9 - 30.6)	26.4	(22.8 - 30.4)	208	801	70,685
Nanakuli/Waianae	27.7	(22.3 - 33.8)	27.7	(22.2 - 34.1)	94	337	33,592
HAWAII County	19.1	(17.7 - 20.6)	19.2	(17.9 - 20.7)	867	4,569	124,100
North Hawaii	17.6	(14.9 - 20.6)	17.6	(14.9 - 20.6)	180	1,075	26,516
Kona	18.1	(15.1 - 21.6)	18.1	(15.3 - 21.3)	181	1,064	28,920
Hilo	18.8	(16.2 - 21.6)	19.0	(16.7 - 21.7)	259	1,262	35,629
Puna/Ka'u	21.5	(18.6 - 24.7)	21.8	(18.9 - 25.0)	247	1,168	33,035
KAUAI County	15.6	(13.6 - 17.9)	16.0	(14.1 - 18.2)	308	1,906	47,204
Hanalei/Kapa'a	12.4	(10.0 - 15.4)	13.7	(11.1 - 16.8)	118	857	20,086
Lihue-Waimea	17.7	(14.8 - 20.9)	17.7	(15.0 - 20.8)	190	1,049	27,118
MAUI County	19.4	(17.5 - 21.4)	19.1	(17.4 - 21.1)	722	4,197	106,519
Upcountry/Hana	17.3	(14.2 - 20.9)	17.0	(14.1 - 20.2)	159	1,041	32,360
Lanai	17.4	(13.8 - 21.7)	17.3	(13.8 - 21.5)	100	596	2,270
Lahaina/Wailuku	18.3	(14.8 - 22.3)	18.1	(14.8 - 22.0)	151	912	31,875
Molokai	21.5	(18.0 - 25.6)	21.6	(18.0 - 25.8)	137	652	6,721
Kahului	22.0	(18.6 - 25.8)	21.9	(18.4 - 25.8)	175	996	33,293

Healthy People 2010_ Objective 22.1:

Reduce the proportion of adults who engaged in no leisure time physical activity to 20%

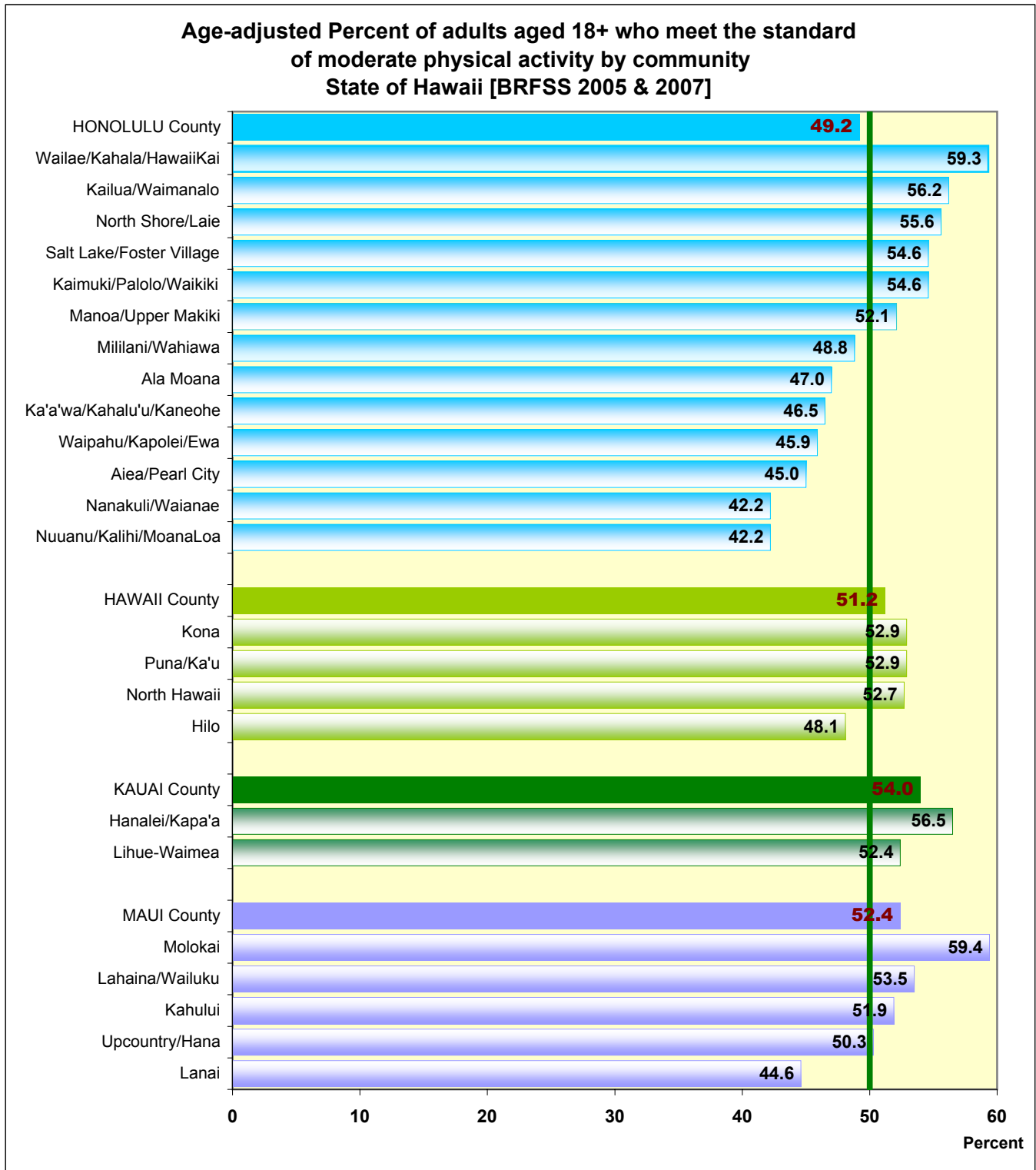


**Adults aged 18 years and older with moderate physical activity by community
State of Hawaii [BRFSS 2005 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	CI (95%)	%	CI (95%)	At moderate physical activity level	Total	
STATE WIDE	50.1	(48.9 - 51.3)	49.8	(48.6 - 51.0)	6,590	13,019	982,203
HONOLULU County	49.2	(47.6 - 50.8)	48.9	(47.4 - 50.5)	2,878	5,894	703,727
Wailae/Kahala/HawaiiKai	59.3	(52.4 - 65.8)	57.2	(51.3 - 63.0)	209	375	40,888
Kailua/Waimanalo	56.2	(50.5 - 61.6)	54.1	(48.6 - 59.6)	246	456	50,795
North Shore/Laie	55.6	(47.1 - 63.7)	55.6	(46.7 - 64.1)	103	186	21,482
Kaimuki/Palolo/Waikiki	54.6	(49.4 - 59.7)	53.1	(48.3 - 57.9)	321	603	61,159
Salt Lake/Foster Village	54.6	(47.4 - 61.6)	57.4	(49.8 - 64.6)	136	247	30,788
Manoa/Upper Makiki	52.1	(46.4 - 57.7)	49.9	(44.3 - 55.4)	218	468	44,857
Mililani/Wahiawa	48.8	(44.4 - 53.2)	50.4	(45.8 - 55.1)	298	596	73,332
Ala Moana	47.0	(40.1 - 54.0)	45.8	(39.4 - 52.3)	154	332	31,242
Ka'a'wa/Kahalu'u/Kaneohe	46.5	(40.4 - 52.7)	46.2	(40.6 - 51.8)	212	444	51,253
Waipahu/Kapolei/Ewa	45.9	(42.1 - 49.8)	47.1	(43.2 - 51.0)	415	875	123,230
Aiea/Pearl City	45.0	(40.0 - 50.1)	44.8	(39.8 - 49.9)	240	561	69,838
Nuuuanu/Kalihi/MoanaLoa	42.2	(36.9 - 47.7)	42.4	(37.1 - 47.9)	222	515	68,552
Nanakuli/Waianae	42.2	(35.0 - 49.9)	43.3	(35.2 - 51.8)	104	236	36,310
HAWAII County	51.2	(48.9 - 53.5)	51.3	(49.1 - 53.5)	1,640	3,175	125,154
Puna/Ka'u	52.9	(48.5 - 57.2)	52.3	(47.8 - 56.7)	430	812	33,813
Kona	52.9	(47.9 - 57.9)	53.0	(48.4 - 57.6)	385	717	28,622
North Hawaii	52.7	(47.8 - 57.5)	52.7	(48.0 - 57.3)	412	780	26,680
Hilo	48.1	(43.7 - 52.4)	48.1	(44.1 - 52.1)	413	866	36,039
KAUAI County	54.0	(50.1 - 57.8)	53.1	(49.6 - 56.6)	646	1,241	46,803
Hanalei/Kapa'a	56.5	(50.6 - 62.2)	55.9	(50.7 - 60.9)	315	558	19,702
Lihue-Waimea	52.4	(47.4 - 57.4)	51.1	(46.3 - 55.9)	331	683	27,101
MAUI County	52.4	(49.6 - 55.2)	52.3	(49.6 - 54.9)	1,426	2,709	106,520
Molokai	59.4	(53.6 - 65.0)	60.3	(54.5 - 65.8)	252	436	6,794
Lahaina/Wailuku	53.5	(48.1 - 58.8)	53.0	(47.8 - 58.2)	307	572	31,446
Kahului	51.9	(46.8 - 56.9)	51.5	(46.6 - 56.3)	346	656	33,490
Upcountry/Hana	50.3	(45.0 - 55.7)	51.2	(46.4 - 56.1)	358	670	32,580
Lanai	44.6	(38.1 - 51.2)	43.9	(37.6 - 50.5)	163	375	2,211

Healthy People 2010_ Objective 22.2:

Increase the proportion of adults who engaged regularly, preferably daily, in moderate physical activity for at least 30 minutes per day to 50%

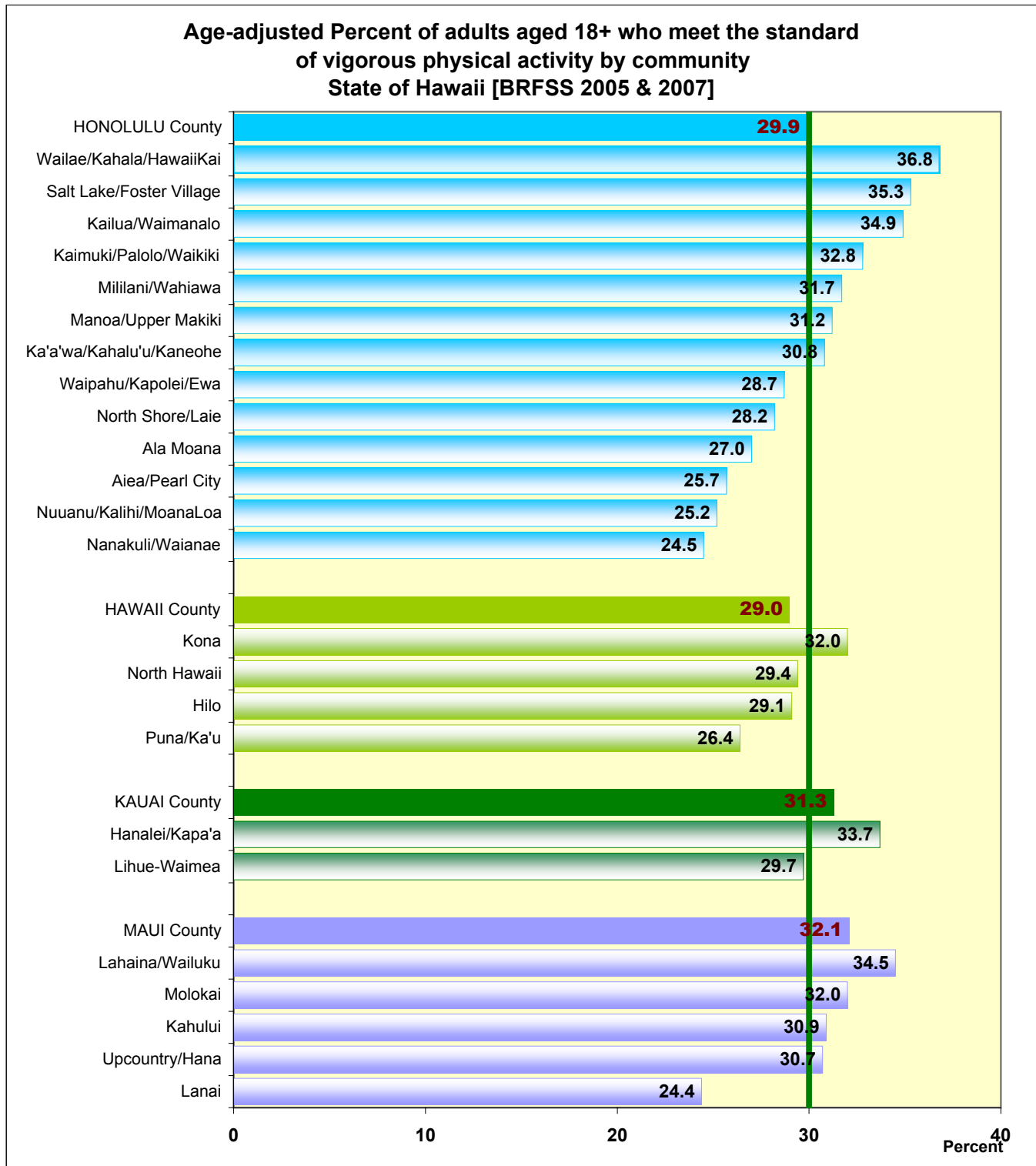


**Adults aged 18 years and older with vigorous physical activity by community
State of Hawaii [BRFSS 2005 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	CI (95%)	%	CI (95%)	At vigorous physical activity level	Total	
STATE WIDE	30.2	(29.1 - 31.3)	29.5	(28.4 - 30.7)	3,597	13,019	982,203
HONOLULU County	29.9	(28.5 - 31.4)	29.3	(27.8 - 30.8)	1,576	5,894	703,727
Wailae/Kahala/HawaiiKai	36.8	(30.0 - 44.2)	32.1	(26.5 - 38.3)	115	375	40,888
Salt Lake/Foster Village	35.3	(29.0 - 42.2)	39.1	(32.1 - 46.6)	90	247	30,788
Kailua/Waimanalo	34.9	(29.5 - 40.6)	32.0	(26.9 - 37.5)	134	456	50,795
Kaimuki/Palolo/Waikiki	32.8	(28.1 - 38.0)	30.1	(25.5 - 35.1)	161	603	61,159
Mililani/Wahiawa	31.7	(27.9 - 35.9)	33.3	(28.9 - 37.9)	187	596	73,332
Manoa/Upper Makiki	31.2	(25.7 - 37.4)	26.6	(21.6 - 32.2)	108	468	44,857
Ka'a'wa/Kahalu'u/Kaneohe	30.8	(25.4 - 36.8)	29.2	(24.3 - 34.6)	122	444	51,253
Waipahu/Kapolei/Ewa	28.7	(25.5 - 32.2)	30.7	(27.2 - 34.5)	254	875	123,230
North Shore/Laie	28.2	(21.1 - 36.5)	27.4	(20.4 - 35.7)	52	186	21,482
Ala Moana	27.0	(21.0 - 33.9)	24.3	(18.9 - 30.8)	68	332	31,242
Aiea/Pearl City	25.7	(21.3 - 30.6)	24.7	(20.3 - 29.6)	118	561	69,838
Nuuanu/Kalihi/MoanaLoa	25.2	(20.5 - 30.5)	24.7	(19.9 - 30.1)	114	515	68,552
Nanakuli/Waianae	24.5	(18.3 - 32.0)	25.9	(18.7 - 34.7)	53	236	36,310
HAWAII County	29.0	(26.9 - 31.2)	28.8	(26.8 - 30.8)	868	3,175	125,154
Kona	32.0	(27.6 - 36.8)	32.1	(27.9 - 36.5)	224	717	28,622
North Hawaii	29.4	(25.2 - 34.0)	29.5	(25.5 - 33.8)	228	780	26,680
Hilo	29.1	(25.2 - 33.3)	27.6	(24.0 - 31.4)	212	866	36,039
Puna/Ka'u	26.4	(22.7 - 30.5)	26.7	(22.9 - 30.9)	204	812	33,813
KAUAI County	31.3	(27.7 - 35.1)	30.1	(26.9 - 33.5)	353	1,241	46,803
Hanalei/Kapa'a	33.7	(28.2 - 39.6)	31.3	(26.6 - 36.5)	168	558	19,702
Lihue-Waimea	29.7	(25.2 - 34.7)	29.2	(24.9 - 33.9)	185	683	27,101
MAUI County	32.1	(29.5 - 34.8)	31.7	(29.2 - 34.2)	800	2,709	106,520
Lahaina/Wailuku	34.5	(29.6 - 39.8)	34.5	(29.7 - 39.6)	186	572	31,446
Molokai	32.0	(26.8 - 37.7)	33.0	(27.4 - 39.0)	131	436	6,794
Kahului	30.9	(26.4 - 35.7)	30.0	(25.8 - 34.6)	192	656	33,490
Upcountry/Hana	30.7	(25.9 - 35.9)	31.0	(26.6 - 35.8)	209	670	32,580
Lanai	24.4	(19.0 - 30.6)	23.2	(17.8 - 29.5)	82	375	2,211

Healthy People 2010_ Objective 22.3:

Increase the proportion of adults who engaged 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%

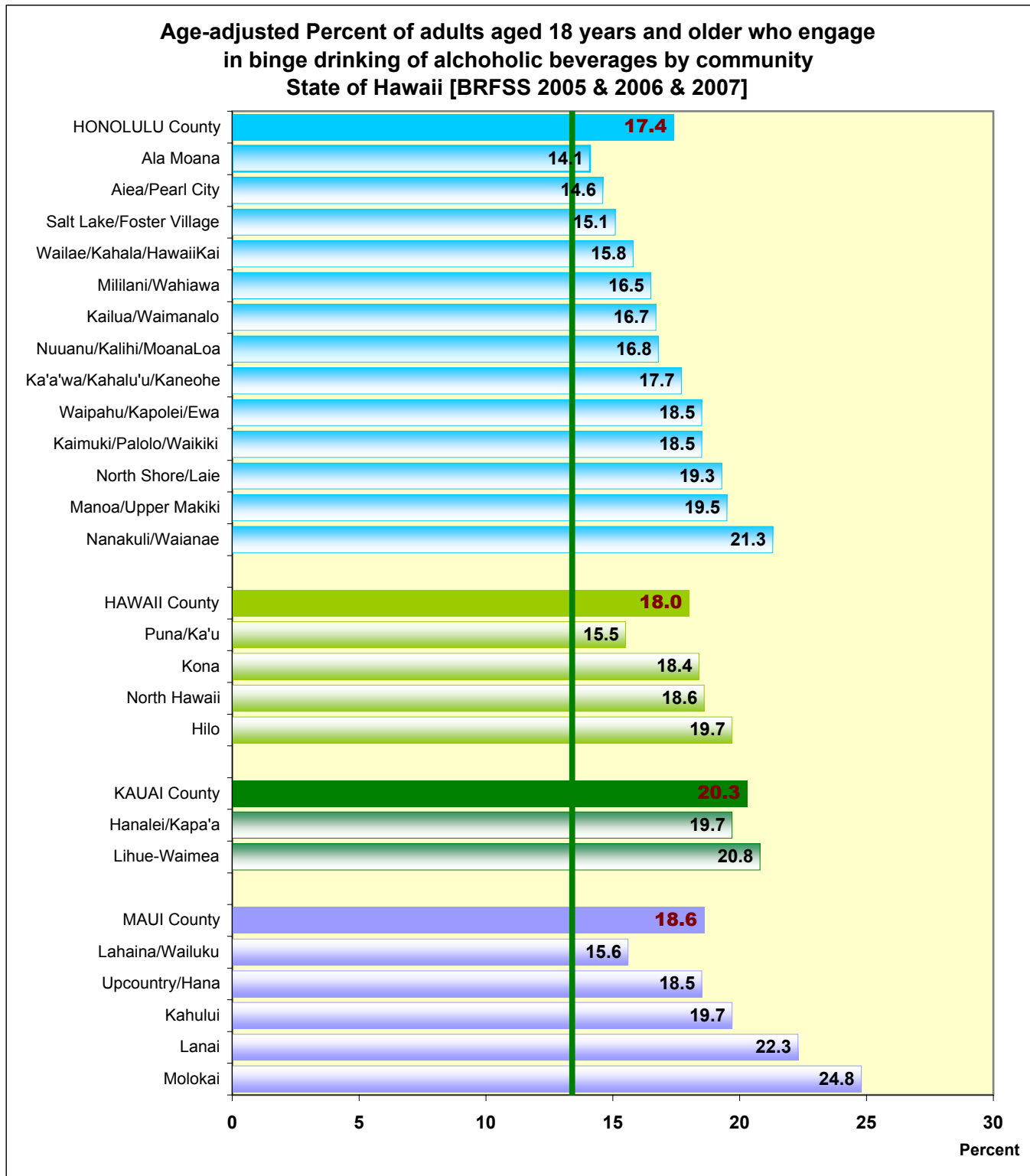


**Adults 18 years and older who engaged in binge drinking by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Engaged in binge drinking	Total	
STATE WIDE	17.7	(16.9 - 18.5)	17.1	(16.4 - 18.0)	2,814	19,583	980,308
HONOLULU County	17.4	(16.3 - 18.4)	16.9	(15.9 - 18.0)	1,222	8,911	702,484
Ala Moana	14.1	(10.0 - 19.3)	12.5	(9.2 - 16.7)	54	512	31,944
Aiea/Pearl City	14.6	(11.8 - 17.8)	13.9	(11.2 - 17.1)	106	831	68,812
Salt Lake/Foster Village	15.1	(11.2 - 20.1)	17.1	(12.6 - 22.9)	53	400	32,749
Wailae/Kahala/HawaiiKai	15.8	(11.4 - 21.5)	13.3	(9.8 - 17.8)	54	575	41,519
Mililani/Wahiawa	16.5	(13.7 - 19.6)	17.4	(14.5 - 20.8)	127	868	70,862
Kailua/Waimanalo	16.7	(13.2 - 20.9)	15.8	(12.5 - 19.8)	93	690	50,346
Nuuanu/Kalihi/MoanaLoa	16.8	(13.6 - 20.6)	16.9	(13.6 - 20.7)	103	801	70,685
Ka'a'wa/Kahalu'u/Kaneohe	17.7	(13.8 - 22.3)	16.3	(12.8 - 20.4)	79	649	50,246
Kaimuki/Palolo/Waikiki	18.5	(15.0 - 22.7)	16.1	(13.0 - 19.7)	120	903	59,912
Waipahu/Kapolei/Ewa	18.5	(16.2 - 21.1)	20.1	(17.5 - 23.1)	227	1,328	123,482
North Shore/Laie	19.3	(14.3 - 25.5)	18.6	(13.6 - 24.9)	48	297	22,438
Manoa/Upper Makiki	19.5	(15.3 - 24.5)	16.6	(13.3 - 20.6)	95	720	45,899
Nanakuli/Waianae	21.3	(16.5 - 27.0)	21.7	(16.4 - 28.1)	63	337	33,592
HAWAII County	18.0	(16.4 - 19.6)	17.3	(15.8 - 18.8)	664	4,569	124,100
Puna/Ka'u	15.5	(13.0 - 18.3)	15.4	(12.9 - 18.4)	156	1,168	33,035
Kona	18.4	(15.3 - 22.1)	17.4	(14.6 - 20.6)	163	1,064	28,920
North Hawaii	18.6	(15.3 - 22.3)	18.2	(15.0 - 21.9)	165	1,075	26,516
Hilo	19.7	(16.8 - 22.9)	18.1	(15.5 - 21.1)	180	1,262	35,629
KAUAI County	20.3	(17.7 - 23.2)	18.7	(16.3 - 21.4)	277	1,906	47,204
Hanalei/Kapa'a	19.7	(15.8 - 24.2)	17.1	(13.7 - 21.1)	120	857	20,086
Lihue-Waimea	20.8	(17.5 - 24.7)	19.9	(16.6 - 23.7)	157	1,049	27,118
MAUI County	18.6	(16.8 - 20.5)	18.0	(16.2 - 19.8)	651	4,197	106,519
Lahaina/Wailuku	15.6	(12.6 - 19.1)	15.5	(12.7 - 18.9)	133	912	31,875
Upcountry/Hana	18.5	(15.2 - 22.4)	17.9	(14.9 - 21.4)	148	1,041	32,360
Kahului	19.7	(16.3 - 23.6)	18.9	(15.6 - 22.8)	138	996	33,293
Lanai	22.3	(18.1 - 27.2)	21.5	(17.2 - 26.5)	99	596	2,270
Molokai	24.8	(20.8 - 29.3)	23.7	(19.7 - 28.1)	133	652	6,721

Healthy People 2010_ Objective 26.11c:

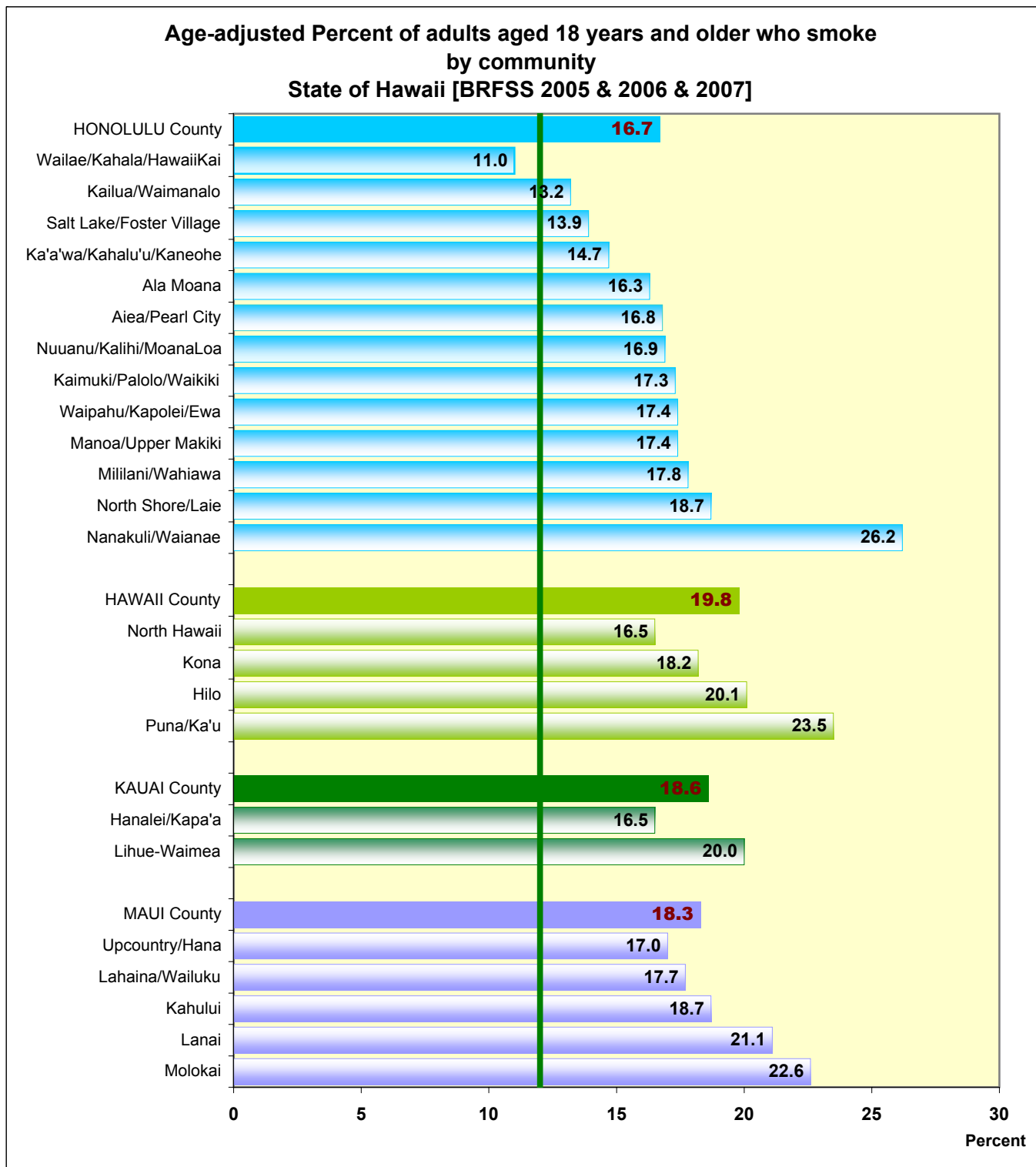
Reduce the proportion of adults who engaged in binge drinking of alcoholic beverages to 13.4%



**Adults aged 18 years and older who smoke by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Current smokers	Total	
STATE WIDE	17.3	(16.5 - 18.1)	17.1	(16.4 - 17.9)	3,226	19,583	980,308
HONOLULU County	16.7	(15.7 - 17.7)	16.5	(15.5 - 17.5)	1,352	8,911	702,484
Wailae/Kahala/HawaiiKai	11.0	(7.4 - 16.1)	10.2	(7.3 - 14.2)	46	575	41,519
Kailua/Waimanalo	13.2	(10.3 - 16.8)	12.7	(9.9 - 16.1)	88	690	50,346
Salt Lake/Foster Village	13.9	(10.6 - 18.1)	15.6	(11.8 - 20.3)	61	400	32,749
Ka'a'wa/Kahalu'u/Kaneohe	14.7	(11.5 - 18.5)	14.6	(11.5 - 18.3)	84	649	50,246
Ala Moana	16.3	(12.7 - 20.6)	15.5	(12.1 - 19.5)	75	512	31,944
Aiea/Pearl City	16.8	(13.8 - 20.4)	16.4	(13.3 - 20.0)	126	831	68,812
Nuuanu/Kalihi/MoanaLoa	16.9	(13.8 - 20.5)	16.6	(13.6 - 20.2)	132	801	70,685
Kaimuki/Palolo/Waikiki	17.3	(13.9 - 21.4)	16.2	(13.2 - 19.8)	136	903	59,912
Manoa/Upper Makiki	17.4	(13.4 - 22.3)	15.4	(12.2 - 19.3)	98	720	45,899
Waipahu/Kapolei/Ewa	17.4	(15.0 - 20.0)	18.1	(15.6 - 20.9)	219	1,328	123,482
Mililani/Wahiawa	17.8	(14.9 - 21.0)	18.1	(15.2 - 21.4)	145	868	70,862
North Shore/Laie	18.7	(13.8 - 24.8)	18.5	(13.6 - 24.7)	53	297	22,438
Nanakuli/Waianae	26.2	(21.0 - 32.2)	26.2	(20.7 - 32.6)	89	337	33,592
HAWAII County	19.8	(18.2 - 21.4)	19.4	(17.9 - 21.0)	820	4,569	124,100
North Hawaii	16.5	(13.4 - 20.1)	16.1	(13.1 - 19.5)	159	1,075	26,516
Kona	18.2	(15.1 - 21.8)	17.5	(14.7 - 20.8)	166	1,064	28,920
Hilo	20.1	(17.2 - 23.2)	19.0	(16.4 - 22.0)	225	1,262	35,629
Puna/Ka'u	23.5	(20.6 - 26.8)	24.1	(21.0 - 27.4)	270	1,168	33,035
KAUAI County	18.6	(16.3 - 21.2)	18.0	(15.8 - 20.4)	312	1,906	47,204
Hanalei/Kapa'a	16.5	(13.2 - 20.6)	16.0	(13.1 - 19.4)	133	857	20,086
Lihue-Waimea	20.0	(16.9 - 23.4)	19.5	(16.5 - 22.9)	179	1,049	27,118
MAUI County	18.3	(16.6 - 20.1)	18.3	(16.6 - 20.0)	742	4,197	106,519
Upcountry/Hana	17.0	(14.1 - 20.4)	17.2	(14.5 - 20.4)	173	1,041	32,360
Lahaina/Wailuku	17.7	(14.7 - 21.2)	18.0	(15.0 - 21.4)	163	912	31,875
Kahului	18.7	(15.6 - 22.3)	18.6	(15.5 - 22.3)	164	996	33,293
Lanai	21.1	(16.9 - 26.0)	20.5	(16.5 - 25.2)	101	596	2,270
Molokai	22.6	(18.8 - 26.8)	22.1	(18.4 - 26.2)	141	652	6,721

Healthy People 2010_ Objective 27.1
Reduce tobacco use by adults to 12%

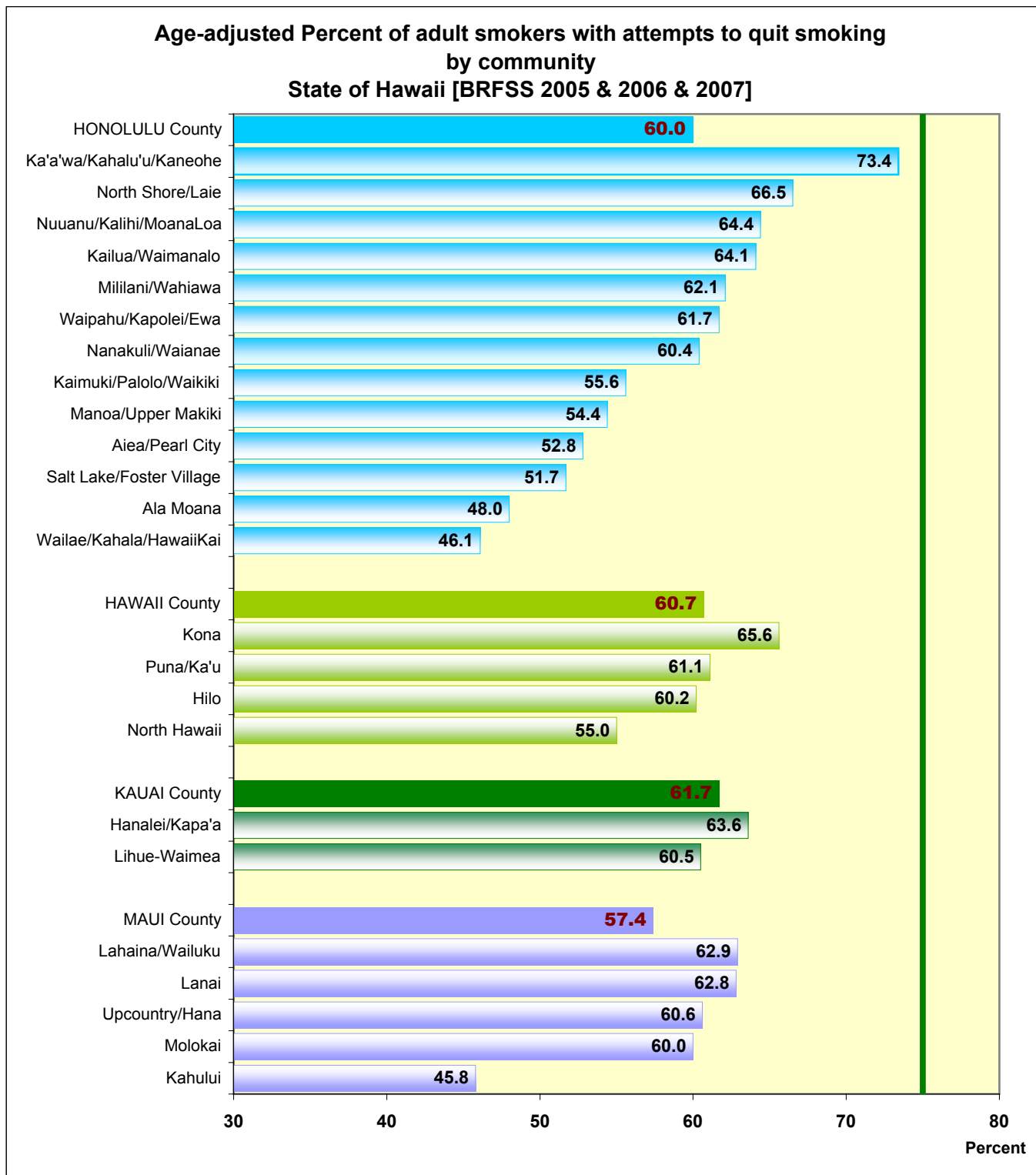


**Current smokers with attempt to quit smoking by community
State of Hawaii [BRFSS 2005 & 2006 & 2007]**

County and Community	Age-adjusted		Weighted		Sample		Estimated total number of adults
	%	C.I. (95%)	%	C.I. (95%)	Have attempted to quit	Total	
STATE WIDE	59.9	(57.6 - 62.2)	62.0	(59.6 - 64.3)	1,811	3,226	167,967
HONOLULU County	60.0	(57.0 - 63.0)	62.4	(59.2 - 65.4)	763	1,352	115,952
Ka'a'wa/Kahalu'u/Kaneohe	73.4	(62.2 - 82.2)	71.9	(59.2 - 81.8)	56	84	7,321
North Shore/Laie	66.5	(53.7 - 77.3)	70.1	(55.4 - 81.5)	30	53	4,147
Nuuanu/Kalihi/MoanaLoa	64.4	(54.2 - 73.5)	66.4	(56.2 - 75.2)	77	132	11,751
Kailua/Waimanalo	64.1	(52.0 - 74.6)	64.5	(52.2 - 75.1)	53	88	6,376
Mililani/Wahiawa	62.1	(52.9 - 70.5)	64.4	(55.4 - 72.5)	86	145	12,826
Waipahu/Kapolei/Ewa	61.7	(53.5 - 69.2)	64.2	(56.1 - 71.6)	138	219	22,359
Nanakuli/Waianae	60.4	(50.0 - 70.0)	66.9	(54.0 - 77.7)	58	89	8,804
Kaimuki/Palolo/Waikiki	55.6	(46.5 - 64.3)	56.2	(45.4 - 66.5)	67	136	9,732
Manoa/Upper Makiki	54.4	(44.1 - 64.3)	56.4	(44.0 - 68.1)	49	98	7,061
Aiea/Pearl City	52.8	(43.2 - 62.3)	56.9	(45.9 - 67.2)	61	126	11,281
Salt Lake/Foster Village	51.7	(36.3 - 66.9)	60.3	(46.0 - 73.0)	31	61	5,112
Ala Moana	48.0	(33.7 - 62.7)	49.9	(37.3 - 62.5)	34	75	4,937
Wailae/Kahala/HawaiiKai	46.1	(29.8 - 63.3)	54.2	(36.6 - 70.9)	23	46	4,244
HAWAII County	60.7	(56.5 - 64.7)	62.3	(58.2 - 66.3)	460	820	24,052
Kona	65.6	(56.7 - 73.6)	67.0	(58.1 - 74.8)	101	166	5,067
Puna/Ka'u	61.1	(53.5 - 68.2)	62.3	(55.0 - 69.1)	154	270	7,946
Hilo	60.2	(52.9 - 67.1)	59.8	(51.8 - 67.2)	124	225	6,778
North Hawaii	55.0	(46.0 - 63.7)	61.0	(50.6 - 70.4)	81	159	4,261
KAUAI County	61.7	(54.8 - 68.2)	64.0	(57.5 - 70.1)	177	312	8,491
Hanalei/Kapa'a	63.6	(52.1 - 73.7)	67.2	(57.2 - 75.8)	80	133	3,207
Lihue-Waimea	60.5	(51.8 - 68.5)	62.1	(53.4 - 70.1)	97	179	5,285
MAUI County	57.4	(52.2 - 62.4)	58.3	(53.2 - 63.2)	411	742	19,472
Lahaina/Wailuku	62.9	(52.0 - 72.7)	62.0	(52.5 - 70.7)	96	163	5,743
Lanai	62.8	(51.3 - 73.0)	65.8	(54.1 - 75.8)	54	101	466
Upcountry/Hana	60.6	(50.9 - 69.6)	60.4	(51.3 - 68.9)	99	173	5,577
Molokai	60.0	(49.8 - 69.4)	61.6	(51.7 - 70.6)	84	141	1,483
Kahului	45.8	(37.5 - 54.4)	51.6	(41.3 - 61.7)	78	164	6,204

Healthy People 2010_ Objective 27.5:

Increase smoking cessation attempts by adult smokers to 75%



APPENDIX A

GEOGRAPHIC SUB-COUNTY AREAS DEFINITION

According to the U.S. Census Bureau, the population of Hawaii State is 1,211,537 in 2000. The population estimate as of July 2007 is 1,283,388 by (U.S Census Bureau: <http://factfinder.census.gov/servlet/SAFFPopulation>).

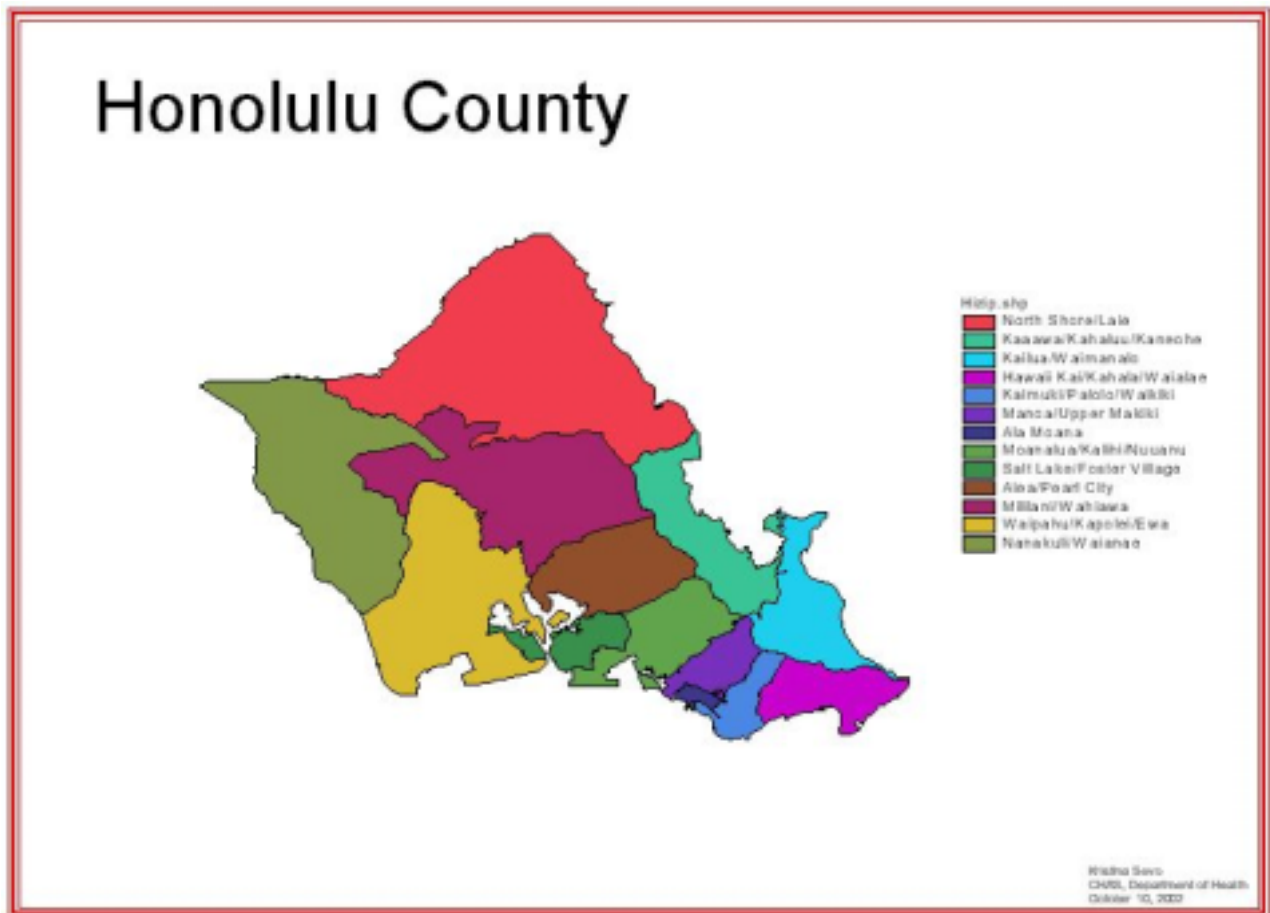
There are four official counties in the state of Hawaii. They are Honolulu, Hawaii, Kauai and Maui County (<http://www.chem.hawaii.edu/uham/counties.html>). The Census 2000 showed that Honolulu has the biggest population of 876,156. The second largest population is Hawaii County with 148,677, then Maui County with 128,094 and Kauai County with 56,467.

These four counties are subdivided into communities or sub-areas by grouping zip codes: Honolulu has 13 sub-areas, Hawaii has 4, Kauai has 2, and Maui has 5.

The group of zip codes for each community and its name are given in the following tables along with the map of the county which it belongs to. The community grouping is based on the presence of at least one school complex in the group of contiguous zip codes and that the total number of samples is above 50. The rationale for grouping the communities was approved by consensus of state holders in 2001.

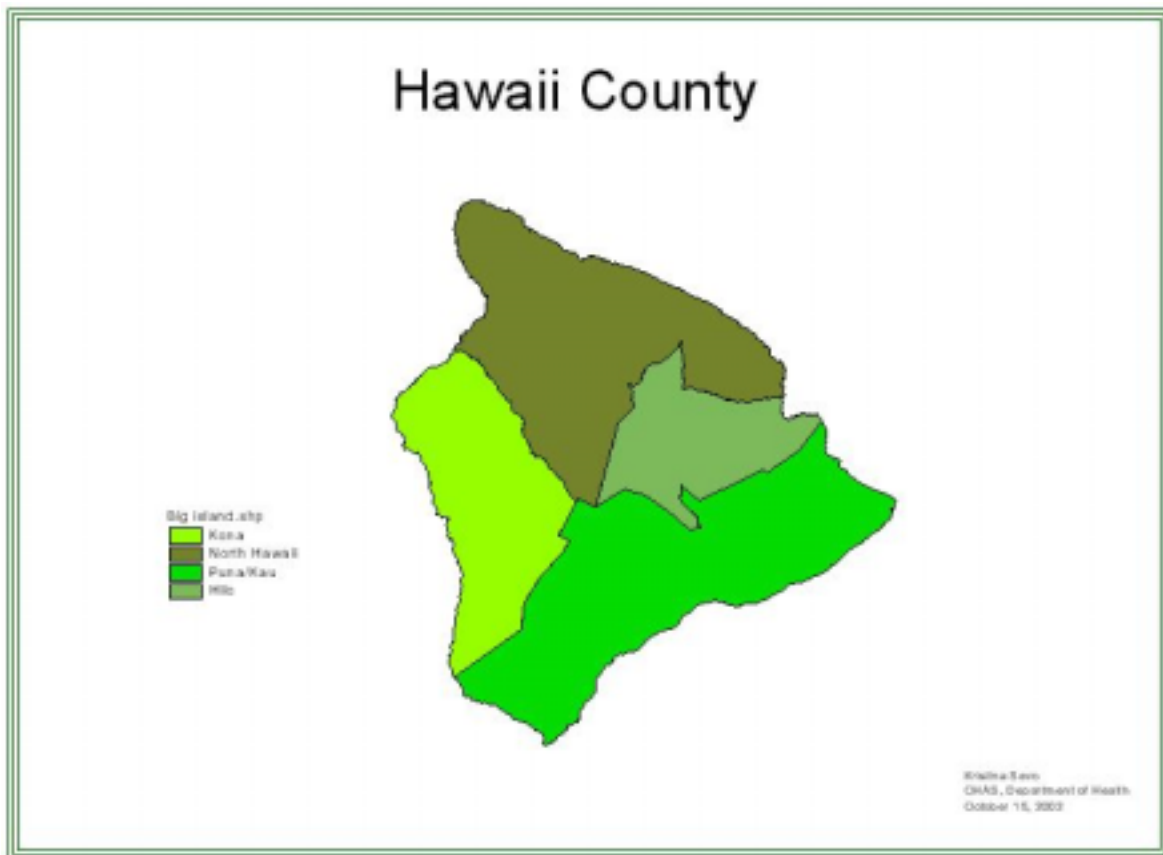
Honolulu county

<i>Community</i>	<i>Zip code</i>						
North Shore / Laie	96712		96717	96730	96731	96762	96791
Ka'a'wa / Kahalu'u / Kaneohe						96744	96863
Kailua / Waimanalo						96734	96795
Wailae/ Kahala / HawaiiKaii						96821	96824
Kaimuki / Palolo / Wakiki			96815	96816	96830	96835	96836
Manoa / Upper Makiki	96801	96802	96803	96804	96805	96806	96807
	96809	96810	96811	96812	96813	96822	96839
	96841		96842	96843	96844	96845	96848
Ala Moana			96814	96823	96826	96828	96847
Nuuanu / Kalihi / Moanaloa	96817	96819	96820	96827	96837	96838	96846
						96858	96859
Salt Lake / Foster Village						96818	96853
Aiea / Pearl City						96701	96782
Mililani / Wahiawa					96786	96789	96854
Waipahu / Kapolei / Ewa				96706	96707	96709	96759
Nanakuli / Waianae							96792



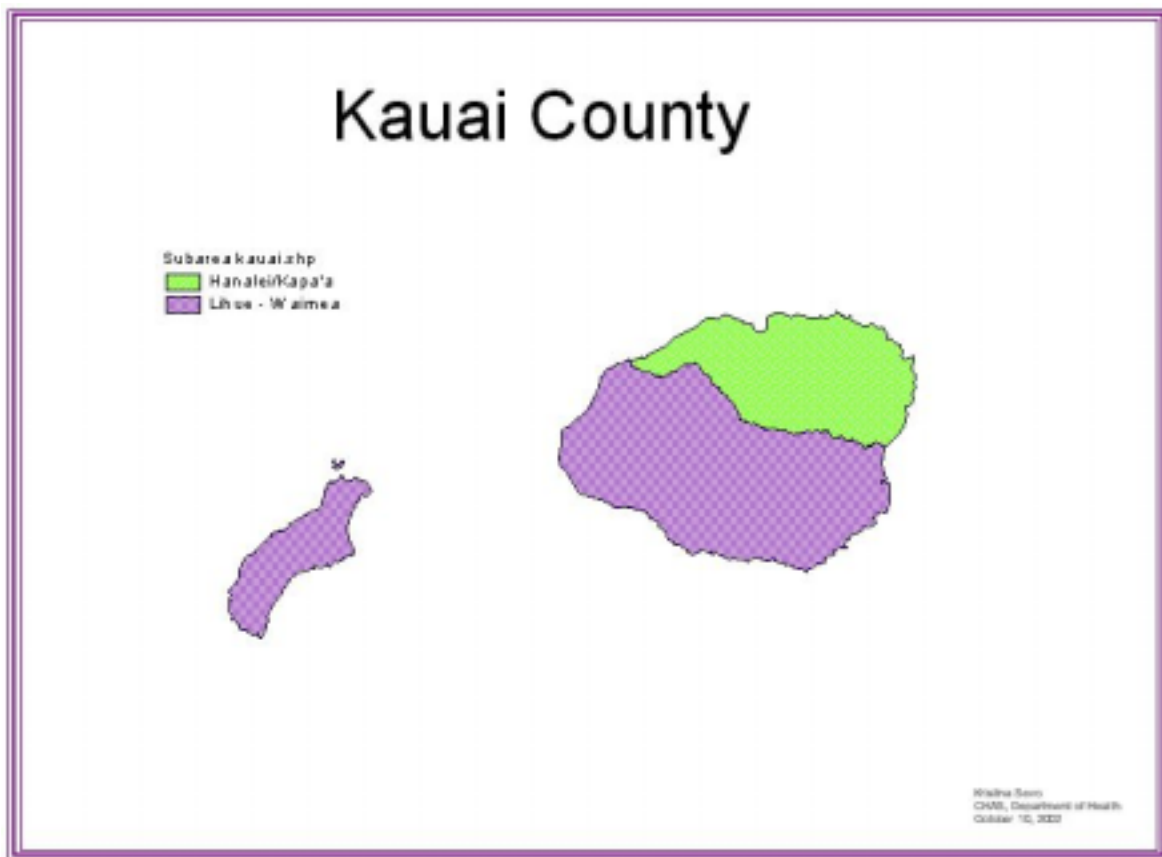
Hawaii County

<i>Community</i>	<i>Zip code</i>			
North Hawaii	96710	96719	96727	96728
	96738	96743	96755	96764
	96773	96774	96775	96776
	96780		96781	96783
Hilo	96720			96721
Puna / Ka'u	96718	96737	96749	96760
	96771	96772	96777	96778
				96785
Kona	96704	96725	96726	96739
	96740		96745	96750



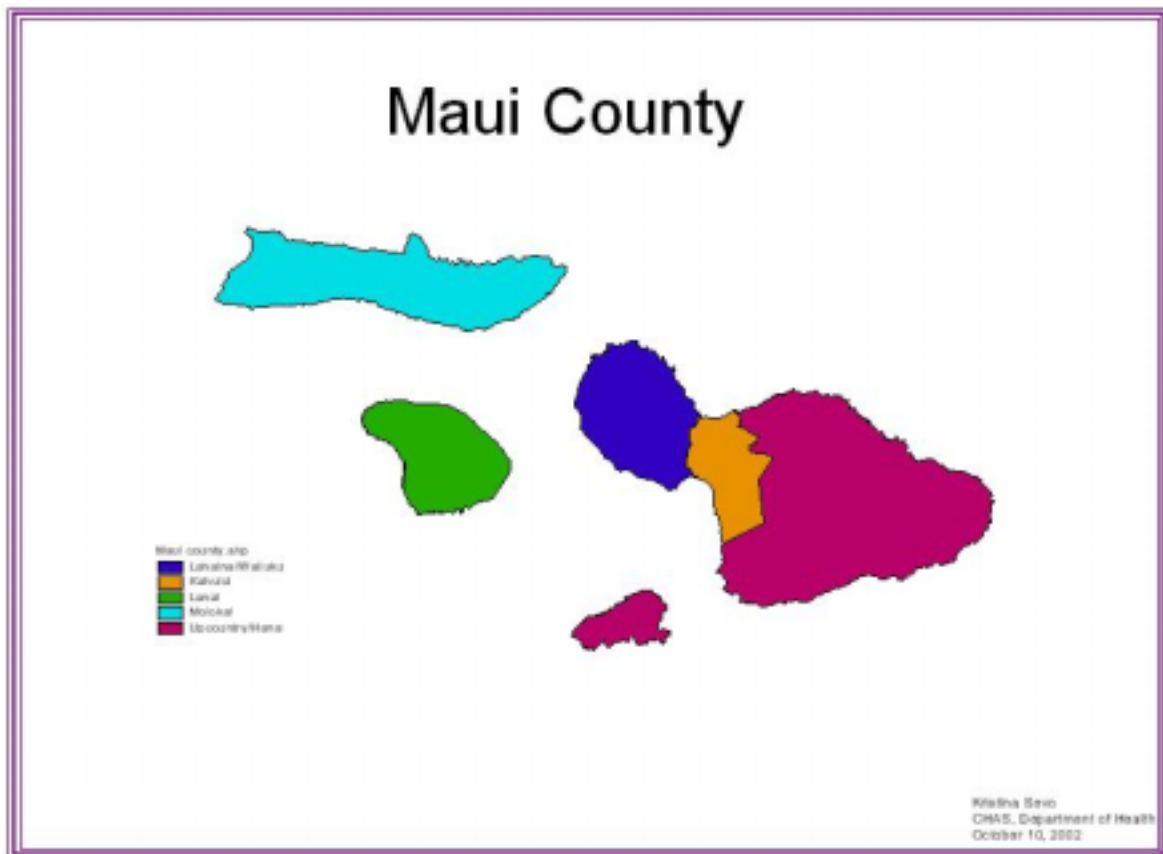
Kauai County

<i>Community</i>	<i>Zip code</i>			
Hanalei / Kapa'a	96703	96714	96722	96746
			96751	96754
Lihue-Waimea	96705	96715	96716	96741
	96747	96752	96756	96765
		96766	96769	96796



Maui County

<i>Community</i>	<i>Zip code</i>		
Lahaina / Wailuku	96761	96767	96793
Kahului	96732	96733	96753
Upcountry / Hana	96708	96713	96768
			96788
Molokai	96729	96742	96748
			96757
			96770
Lanai		96763	96779



APPENDIX B

- **Access to Quality Health service**

Objective 1.1:

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

Baseline: 83 percent of persons under age 65 years were covered by health insurance in 1997 (age adjusted to the year 2000 standard population).

Target setting method: Total coverage.

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%

Baseline: 85 percent of persons aged 18 and older with specific source of ongoing care in 1998 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best.

Question used to obtain the data:

Do you have one person [or more than one] you think of as your personal doctor or health care provider?

(PERSDOC2)

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%

Baseline: In 1998, 92 percent of women 18 years and older who have ever received a Pap test (Age adjusted to the year 2000 standard population, includes women without a uterine cervix).

Target setting method: Better than the best

Question used to obtain the data:

Have you ever had a pap smear?

(HADPAP for 01:02:03; HADPAP2 for 04:05:06)

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%

Baseline: In 1998, 79 percent of women 18 years and older who received a Pap test in the preceding 3 years. (Age adjusted to the year 2000 standard population, includes women without a uterine cervix).

Target setting method: Better than the best

Question used to obtain the data:

*How long has it been since your last pap smear?
(LASTPAP for 01:02:03; LASTPAP2 for 04:05:06)
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 33% (revised from 50%)

Baseline: In 2000, 24 percent of adults 50 years and older who have ever received a Fecal Occult Blood Test (Age adjusted to the year 2000 standard population). *Baseline year and baseline are revised from 1998 and 35% after the November 2000 publication.*

Target setting method: Better than the best

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, LSTBLDS2)
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%

Baseline: In 1998, 37 percent of adults 50 years and older who have ever received a sigmoidoscopy (Age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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?
(HADSIGM2 for 01:02:03; HADSIGM3 for 04:05:06)
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%***

Baseline: In 1998, 67 percent of women 40 years and older who have ever received a mammogram within the preceding 2 years (Age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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**

Due to the revision after November 2000 publication, the target and baseline of some of the following objectives are revised. ()*

Objective 5-1

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

Baseline: In 1998, 45 percent with diabetes who received formal diabetes education (Age adjusted to the year 2000 standard population).

Target setting method: Better than the best

Question used to obtain the data:

Have you ever taken a course or class in how to manage your diabetes yourself?

(DIABEDU)

Age-adjusted by distribution #9

Objective 5-3

*Reduce the overall rate of diabetes that is clinically diagnosed to **2.5%** (25 overall cases per 1,000 population)*

Baseline: 40 overall cases (including new and existing cases) of diabetes per 1,000 population occurred in 1997 (Age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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 for 01:02:03; DIABETES for 04:05:06)

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 **65%** (*: revised from 50%)*

Baseline: 59 percent of adults aged 18 years and older with diabetes had a glycosylated hemoglobin measurement at least once a year (mean value of data from 39 States in 1998, age adjusted to the year 2000 standard population) (*: revised from 24%)

Target setting method: Better than the best

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”?

(CHKHEMO2 for 01:02:03; CHKHEMO3 for 04:05:06)

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 **76%** (*: revised from 75%)*

Baseline: 49 percent of adults aged 18 years and older with diabetes had an annual dilated eye examination in 1998 (Age adjusted to the year 2000 standard population) (*: revised from 47%).

Target setting method: Better than the best

Question used to obtain the data:

When was the last time you had an eye exam in which the pupils were dilated?

(EYEEEXAM)

Age-adjusted by distribution #9

Objective 5-14

*Increase the proportion of adults with diabetes who have at least an annual foot examination to **91%** (*: revised from 75%)*

Baseline: 68 percent of adults aged 18 years and older with diabetes had at least an annual foot examination (mean value of data from 39 States in 1998, age adjusted to the year 2000 standard population) (*: revised from 55%).

Target setting method: Better than the best

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 **14%**
(revised from 16%)*

Baseline: 26 percent of adults aged 20 years and older had high blood pressure in 1988-1994 (age adjusted to the year 2000 standard population). *Baseline is revised from 28% after the November 2000 publication.*

Target setting method: Better than the best

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?

(BPHIGH2 for 01; BPHIGH3 for 03; BPHIGH4 for 05)

Age-adjusted by distribution #11

Objective 12-14

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

Baseline: 21 percent of adults aged 20 years and older had total blood cholesterol levels of 240 mg/dL or greater in 1988-1994 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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?

(Use calculated variable _RFCHOL for 01:03:05)

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%***

Baseline: 67 percent of adults aged 18 years and older had their blood cholesterol checked within the preceding 5 years in 1998 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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 01:03:05)

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

Baseline: In 1998

64 percent of adults aged 65 years and older had annually influenza vaccine

46 percents of adults aged 65 years and older ever had pneumococcal vaccine

26 percent of adults aged 18 to 64 years had annually influenza vaccine

13 percents of adults aged 18 to 64 years ever had pneumococcal vaccine

Age adjusted to the year 2000 standard population.

Target setting method: Better than the best

Questions used to obtain the data for these objectives above:

During the past 12 months have you had a flu shot?

(FLUSHOT for 01:02:03, FLUSHOT2 for 04, FLUSHOT3 for 05:06)

Have you ever had a pneumonia shot?

(PNEUVAC2 for 01:02:03:04, PNEUVAC3 for 05:06)

- **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%

Baseline: 42 percent of adults aged 20 were at healthy weight, 23% were identified as obese in 1988 – 1994 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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 _BMI2 for 01:02, _BMI3 for 03, _BMI4 for 04:05:06)

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%***

Baseline: 28 percent of persons aged 2 years and older consumed at least two daily servings of fruit in 1994 – 1996 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

Question used to obtain the data:

Not counting juice, how often do you eat fruit?

(FRUIT for 01:02:03:04:05)

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%***

Baseline: 3 percent of persons aged 2 years and older consumed at least three daily servings of vegetables, with at least one third of these servings being dark green or orange vegetables in 1994 – 1996 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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, CARROTTS, VEGETABL for 01 to 05)

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 **40%** (revised from 42%).*

Objective 21-4

*Reduce the proportion of older adults (aged 65 to 74) who have had all their natural teeth extracted to **22%** (revised from 20%)*

Baseline: 30 percent of adults aged 35 to 44 years had never had a permanent tooth extracted because of dental caries or periodontal disease in 1988 – 1994. *Baseline is revised from 31% after the November 2000 publication.*

28% of adults aged 65 to 74 years lost all of their natural teeth in 1997. . *Baseline is revised from 26% after the November 2000 publication.*

Target setting method: Better than the best

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 02:04:06)

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 02:04 LASTDEN3 for 06)

Age-adjusted by distribution #9

- ***Physical Activity***

Objective 22-1

*Reduce the proportion of adults who engage in no leisure-time physical activity to **20%***

Baseline: 40 percent of adults aged 18 years and older engaged in no-leisure-time physical activity in 1997 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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 **50%** (revised from 30%)*

Baseline: 32 percent of adults aged 18 years and older engaged in moderate physical activity for at least 30 minutes 5 or more days per week in 1997 (age adjusted to the year 2000 standard population). . *Baseline is revised from 15% after the November 2000 publication to include adults who met the definition for vigorous physical activity.*

Target setting method: Better than the best

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 01:02:03:04:05 [04 recoded])

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%***

Baseline: 23 percent of adults aged 18 years and older engaged in vigorous physical activity for at least 3 or more days per week for 20 or more minutes per occasion in 1997 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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 _RFPVIG for 01:02:03:04:05 [04 recoded])

Age-adjusted by distribution #9

- **Substance abuse**

Objective 26-11c

*Reduce the proportion of persons engaging in binge drinking of alcoholic beverages to **13.4%** (change from 6% due to new baseline)*

Baseline: 24.3 percent of adults aged 18 years and older engaged in Binge Drinking during the past month in 2002 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

Question used to obtain the data:

From 2001 to 2005:

Considering all types of alcoholic beverages, during the past 30 days, how many times 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.

In 2006:

Considering all types of alcoholic beverages, during the past 30 days, how many times did you have X (X=5 for men, X=4 for women) or more drinks on the same occasion? By "occasion," we mean at the same time or within a couple of hours of each other.

(Use the calculated variable _RFBING for 01, _RFBING2 for 02:03:04; _RFBING3 for 05; _RFBING4 for 06)

Age-adjusted by distribution #9

- **Tobacco Use**

Objective 27-1

*Reduce tobacco use by adults to **12%***

Question used to obtain the data:

Have you smoked at least 100 cigarettes in your entire life?

[If YES, then continue with the following question]

Do you now smoke cigarettes everyday, some days, or not at all?

(_SMOKER2 for 01:02:03:04, _SMOKER3 for 05:06)

Age-adjusted by distribution #9

Baseline: 24 percent of adults aged 18 years and older smoked cigarette in 1998 (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

Objective 27-5

Increase smoking cessation attempts by adult smokers to 75%

Baseline: In 1998, 41 percent of adult smokers aged 18 years and older stopped smoking for 1 day or longer because they were trying to quit (age adjusted to the year 2000 standard population).

Target setting method: Better than the best

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?

(STOPSMK2 for 01:02:03:04:05:06)

Age-adjusted by distribution #9

APPENDIX C

Age distribution and age-adjustment weights used in this report

(from *HEALTHY PEOPLE 2010 Statistical Notes _ Number 2:*

Age Adjustment Using the 2000 projected U.S. Population

Richard J. Klein, M.P.H., and Charlotte A. Schoenborn, M.P.H.)

Distribution #9:

Age	Population in thousands	Age Adjustment weight
<i>18 years and over.....</i>	<i>203,851</i>	<i>1.000000</i>
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
<i>20 years and over.....</i>	<i>195,850</i>	<i>1.000000</i>
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 #14:

Age	Population in thousands	Age Adjustment weight
<i>25 years and over.....</i>	<i>177,593</i>	<i>1.000000</i>
25-34 years	37,233	0.209654
35-44 years	44,659	0.251468
45-64 years	60,991	0.343431
65 years and over	34,710	0.195447

Distribution #15:

Age	Population in thousands	Age Adjustment weight
40 years and over.....	118,180	1.000000
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
50 years and over.....	75,895	1.000000
50-64 years	41,185	0.542658
65 years and over	34,710	0.457342

Distribution #18:

Age	Population in thousands	Age Adjustment weight
65 years and over.....	34,710	1.000000
65-74 years	18,136	0.522501
75 years and over	16,574	0.477499

Distribution #22:

Age	Population in thousands	Age Adjustment weight
18 -64 years	169,141	1.000000
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

REFERENCES

1. **Healthy People 2010**
Volume I (second edition)
U.S. Department of Health and Human Service
U.S. Government Printing Office
2. **Healthy People 2010**
Volume II (second edition)
U.S. Department of Health and Human Service
U.S. Government Printing Office
3. **Tracking Healthy People 2010**
U.S. Department of Health and Human Service
U.S. Government Printing Office
4. **CDC: HEALTHY PEOPLE 2010** *Statistical Notes (number 20, January 2001)*
Age Adjustment Using the 2000 Projected U.S. Population
Richard J. Klein, M.P.H., and Charlotte A. Schoenborn, M.P.H.

Hawaii Communities' Progress toward Healthy People 2010 Derived from the HBRFSS 2005-2007

This publication is available on the World Wide Web at the Hawaii Behavioral Risk Factor Surveillance System site <http://www.hawaii.gov/health/statistics/brfss/index.html>.

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