

## **Sociodemographic and Health-Related Characteristics of Members Aged 20 and Over in the Antioch Medical Center Service Population, 2011**

Estimates based on data from adults aged 20 and over sampled from the Antioch Medical Center Service Population who responded to the 2011 Kaiser Permanente Northern California Region Member Health Survey:

- Sociodemographic characteristics, including usual mode of transportation
- Health status, health conditions, and functional status
- Health behaviors and psychosocial risks
- Actions members are taking to try to maintain or improve their health
- IT access (computer, Internet, email, mobile phone, text messaging)
- Preferred methods for receiving health information and health education

The Member Health Survey is a project funded by Kaiser Permanente's Northern California Region Community Benefit Program (CB). These survey results are being made available to the public as part of Kaiser Permanente's commitment to sharing research findings based on our membership that might inform decisions about methods of outreach to improve the health of our communities. This information should not be used as the basis for any professional publication without permission of Dr. Nancy Gordon, and slides used for presentations should credit the Kaiser Permanente 2011 Member Health Survey as the source.

We suggest that statistics from this report be referenced as follows:

For table footnotes or text references:

Data from the 2011 Kaiser Permanente Member Health Survey conducted by the KPNC Division of Research.

In a reference list:

Gordon NP. Sociodemographic and Health-Related Characteristics of Members in Kaiser Permanente's Northern California Region – Antioch MCSP, 2011. Internal report, Division of Research, Kaiser Permanente Medical Care Program, Oakland, CA, January 2013.

For further information, go to the Member Health Survey website at

[www.memberhealthsurvey.kaiser.org](http://www.memberhealthsurvey.kaiser.org)

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## **Characteristics of Adult Members in Kaiser Permanente's Antioch Medical Center Service Population, as estimated from the 2011 Kaiser Permanente Adult Member Health Survey**

Report prepared April 2013  
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### **Background**

The Member Health Survey is a triennial mailed questionnaire survey conducted during the Spring-Summer of a survey year with a randomly selected sample of adults who are current members of the Kaiser Permanente Medical Care Program in Northern California. The primary purposes of the survey are:

- To learn about the health-related needs and interests of the culturally diverse Kaiser Permanente Northern California adult membership, and by extension, members of the communities we serve;
- To provide information for health services planners to make evidence-based decisions about health information and health care service delivery; and
- To support research to improve the health of our members and the communities we serve.

The Member Health Surveys project is funded by Kaiser Permanente's Northern California Community Benefit (CB) Program. This report presents statistics estimated from the 2011 Survey. Similar member health surveys were conducted in 1990, 1993, 1996, 1999, 2002, 2005, and 2008, and reports are available on our website [www.memberhealthsurvey.kaiser.org](http://www.memberhealthsurvey.kaiser.org) or by request.

From a strategic perspective, the process of identifying high priority health problems and health practices/lifestyle factors known to increase the risk of chronic or acute illness and targeting effective interventions at those persons in the population who are most at risk should lead to improved health status and more cost-effective use of health care dollars. The identification of age-specific prevalence rates for these health problems and lifestyle risks can also be used for forecasting the resources that will be required to provide health services in the future.

Similar to state and national health surveys, the Member Health Survey captures health risk and health status data on a relatively small proportion of the adult population for which information is desired. However, we hope the survey results will provide administrators, program planners, and researchers with a profile of the membership that can be used to identify areas for new or expanded health promotion/health maintenance interventions, social support services, and more efficient medical care delivery; study patterns and costs of care for particular types of patients by linking survey data to computerized and medical record information; and compare the health-related characteristics of their service population across medical center service populations and service areas, as well as with the general population.

### **2011 Antioch Medical Center Service Population Survey Sample**

In April 2011, questionnaires were mailed to a stratified random sample of approximately 2,321 adult Health Plan members in the Antioch Medical Center Service Population (MCSP), including the Antioch and Delta Fair medical facilities. Members are assigned to an MCSP based on where they receive or would be expected to receive most of their primary care. Only current members who had been continuously enrolled during the three months prior to the survey and had no indication that they required an interpreter to communicate in English were sampled. Two subsequent survey packet mailings were sent over the next several weeks to nonrespondents, with the final wave of questionnaires mailed in mid-August. Participants were also offered the opportunity to answer a

secure online version of the questionnaire reached via a link emailed to them or log in at the Member Health Survey Participant Home Page. Phone administration was available on request but not used. Non-eligibles (deceaseds, non-current members, members living outside the main service area) and members for whom Kaiser Permanente nor the U.S. Postal Service had forwarding addresses were dropped from the initial sample and replaced with other randomly selected members of the same age and sex from the same medical service area population.

The overall survey response rate for members sampled from this MCSP was 34.5% (38.5% of women and 30.9% of men).

Final Response Rates for the 2011 DOR Member Health Survey by Age-Gender Group,  
Members Aged 20 and Over in the Antioch Medical Center Service Population Sample

|       | 20-44              | 45-64              | 65 and Over        | 20 and Over         |
|-------|--------------------|--------------------|--------------------|---------------------|
| Women | 111/481<br>(23.1%) | 124/307<br>(40.4%) | 167/257<br>(65.0%) | 402/1045<br>(38.5%) |
| Men   | 67/464<br>(12.6%)  | 112/347<br>(32.3%) | 172/259<br>(66.4%) | 351/1137<br>(30.9%) |

All respondents were assigned a post-stratification weighting factor based on the age-gender distribution of the medical center service population from which they were selected as of the fourth quarter of 2010 (when the sample was pulled). The table below shows the age distributions of women, men, and all adults aged 20 and over after and before applying the post-stratification weighting factor. The estimates of sociodemographic and health-related characteristics in this report are based on weighted survey data.

| Age Distribution | Women |           | Men   |           | All   |           |
|------------------|-------|-----------|-------|-----------|-------|-----------|
|                  | Wtd % | (Unwtd %) | Wtd % | (Unwtd %) | Wtd % | (Unwtd %) |
| 20-44 yr         | 45.1  | 27.6      | 44.3  | 19.1      | 44.7  | 23.7      |
| 45-64 yr         | 38.3  | 30.9      | 40.3  | 31.9      | 39.2  | 31.3      |
| 65 and over      | 16.6  | 41.5      | 15.4  | 49.0      | 16.1  | 45.0      |

Because the service population samples are small, the precision of the estimates (i.e., confidence intervals around the percentage) are quite large. Please keep this in mind when making comparisons with other sources of data. The statistics contained in this MCSP report may be best used to compare against the Regional Profile report.

Since the questionnaire only went out in English and very limited English-speaking members were excluded from the survey sample, non-English speaking members and members with very poor reading ability are not represented in this survey. An internal study that matched survey response status for the 2011 survey to a member race/ethnicity dataset (91% match rate for women and 84% match rate for men) found that among both women and men, nonHispanic White, Chinese, Japanese, and Korean members were more likely to respond than African-American/Other Black, Latino, and Filipino members. The differential race-ethnic response rate, exclusion of non-English speakers and members with very low literacy, and lower response rates among young and middle-aged adults compared with adults aged 20 and over, yields a final weighted respondent sample that underestimates African-American/Blacks and Latino/Hispanic members and overestimates some of the Asian ethnic groups. Finally, results of other surveys suggest that among older members, the very sickest and frailest are unlikely to have responded.

For more information about seniors, please refer to the following reports:

- Gordon NP. Gordon NP. Sociodemographic and Health-Related Characteristics of Seniors in Kaiser Permanente's Northern California Region – Antioch MCSP, 2011. Internal report, Division of Research, Kaiser Permanente Medical Care Program, Oakland, CA, January 2013.
- Gordon NP. Seniors' Access to Information Technology and Preferred Methods for Obtaining Health Information and Health Education – Antioch MCSP, 2011. Internal report, Division of Research, Kaiser Permanente Medical Care Program, Oakland, CA, February 2013.

## Description of the Contents of Tables in this Report

In the tables, a double dash ( - - ) or gray shaded area signifies that men, women, or people in this age group were either not asked those questions or that the items were not considered relevant to the age group or gender.

**Table 1** presents estimates of sociodemographic characteristics of adult Health Plan members. Because of the small samples in the different age-gender groups, we recommend using the race-ethnicity data more as a description of the population for which the health-related characteristics are being described.

**Table 2** presents estimates of the percentages of adult members who experienced selected chronic diseases and health problems during the previous 12 months, based on self-report unverified by medical record review or physician report. Also included in this table are estimated percentages of members who consider their overall, physical, and emotional/mental health to be excellent, good, fair, or poor, and the extent to which these components of health affect their activities.

**Table 3** presents estimates of the percentages of adult members with selected health and lifestyle risks, including tobacco and alcohol use, exercise, dietary behaviors (fat, salt), obesity, stress, hours of sleep, belief about the extent to which health habits/ lifestyle and stress/emotional troubles impact on health, and selected psychosocial stressors experienced during the previous year.

**Table 4** presents estimates of the percentages of adult members who took various actions to try to improve their health.

**Table 5** presents estimates of the percentages of adult members who received a flu shot for the 2010-2011 flu season, ever had a pneumonia shot (seniors only), and had a routine dental check-up in the past 12 months. (Note: the survey no longer collects self-reported information on recency of screening tests, just whether the most recent screening procedure was done in or out of the health plan).

**Table 6** presents estimates of use of complementary and alternative therapies (CAM) by adult members during the previous 12 months.

**Table 7** presents estimates of member access to digital tools for communication and health information (mobile phone, text messages, computer, Internet, and email)

**Table 8** presents estimated use of different KP and non-KP health information sources during the previous 12 months.

**Table 9** presents estimated percentages of adult members who indicated different preferences for receiving health information and learning about how to take care of their health.

Table 1. Selected Sociodemographic Characteristics of Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Characteristics   | <u>Ages 20-44</u> |          |          | <u>Ages 45-64</u> |          |          | <u>Ages 65 and Over</u> |          |          | <u>Ages 20 and Over</u> |          |          |
|---|-------------------|----------|----------|-------------------|----------|----------|-------------------------|----------|----------|-------------------------|----------|----------|
|   | Women<br>%        | Men<br>% | All<br>% | Women<br>%        | Men<br>% | All<br>% | Women<br>%              | Men<br>% | All<br>% | Women<br>%              | Men<br>% | All<br>% |
| <u>Everyone assigned to only one race/ethnicity by algorithm used in previous MHS reports<sup>2</sup></u> |                   |          |          |                   |          |          |                         |          |          |                         |          |          |
| White, non-Hispanic   | 50.3              | 49.8     | 50.1     | 65.6              | 53.8     | 60.0     | 66.9                    | 72.1     | 69.2     | 58.9                    | 54.8     | 57.0     |
| African-American/Black  | 8.5               | 8.8      | 8.6      | 14.3              | 10.4     | 12.4     | 11.3                    | 3.4      | 7.8      | 11.2                    | 8.6      | 10.0     |
| Latino/other Hispanic   | 13.2              | 20.0     | 16.3     | 9.7               | 23.3     | 16.2     | 13.5                    | 17.4     | 15.2     | 11.9                    | 20.9     | 16.1     |
| Asian <sup>3</sup>  | 22.3              | 17.6     | 20.1     | 7.3               | 11.1     | 9.1      | 4.9                     | 4.8      | 4.9      | 13.7                    | 13.0     | 13.4     |
| Pacific Islander  | 1.6               | <0.1     | 0.9      | <0.1              | <0.1     | <0.1     | <0.1                    | <0.1     | <0.1     | 0.7                     | <0.1     | 0.4      |
| Native American   | 1.4               | 1.1      | 1.2      | 1.6               | 0.5      | 1.1      | 2.7                     | 2.0      | 2.4      | 1.7                     | 1.0      | 1.4      |
| Middle Eastern  | 1.6               | 2.7      | 2.1      | 1.5               | 0.8      | 1.2      | <0.1                    | 0.2      | 0.1      | 1.3                     | 1.6      | 1.4      |
| Other   | 1.1               | <0.1     | 0.6      | <0.1              | <0.1     | <0.1     | 0.7                     | <0.1     | 0.4      | 0.6                     | <0.1     | 0.3      |
| <u>Race/Ethnicity - Calif. Dept. of Finance</u>   |                   |          |          |                   |          |          |                         |          |          |                         |          |          |
| Hispanic/Latino   | 14.3              | 20.0     | 16.9     | 9.7               | 23.3     | 16.2     | 13.5                    | 17.4     | 15.2     | 12.4                    | 20.9     | 16.4     |
| Native Amer./Alaska Native, non-Hispanic  | 1.4               | 1.1      | 1.2      | 1.6               | 0.5      | 1.1      | 2.7                     | 2.0      | 2.4      | 1.7                     | 1.0      | 1.3      |
| Asian, non-Hispanic   | 23.9              | 17.6     | 21.0     | 7.3               | 11.1     | 9.1      | 4.9                     | 4.8      | 4.9      | 14.4                    | 13.0     | 13.8     |
| Black, non-Hispanic   | 7.3               | 8.8      | 8.0      | 14.3              | 10.5     | 12.4     | 11.3                    | 3.4      | 7.8      | 10.6                    | 8.6      | 9.7      |
| White, non-Hispanic   | 50.3              | 49.8     | 50.1     | 65.6              | 53.8     | 60.0     | 66.9                    | 72.2     | 69.2     | 58.9                    | 54.9     | 57.0     |
| Other, non-Hispanic   | 2.8               | 2.7      | 2.8      | 1.5               | 0.8      | 1.2      | 0.7                     | 0.2      | 0.5      | 2.0                     | 1.6      | 1.8      |

Table 1. Selected Sociodemographic Characteristics of Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Characteristics  | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|--|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|  | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| <u>Education Attainment</u>  |            |       |       |            |       |       |                  |       |       |                  |       |       |
| < High school graduate   | 2.5        | 3.4   | 2.9   | 1.0        | 2.9   | 1.9   | 13.0             | 5.2   | 9.5   | 3.6              | 3.5   | 3.6   |
| High school graduate/GED   | 21.8       | 27.1  | 24.2  | 21.7       | 20.6  | 21.2  | 32.4             | 38.8  | 35.3  | 23.5             | 26.3  | 24.8  |
| Some college/A.A.  | 30.0       | 38.9  | 34.0  | 46.6       | 47.5  | 47.0  | 40.7             | 30.8  | 36.2  | 38.1             | 41.1  | 39.5  |
| College graduate ( <i>BA, BS or higher</i> )                                     | 45.7       | 30.6  | 38.9  | 30.7       | 29.0  | 29.9  | 13.9             | 25.2  | 19.0  | 34.8             | 29.1  | 32.1  |
| <u>Marital Status</u>  |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Married/in committed relationship  | 78.8       | 77.6  | 78.2  | 82.9       | 84.7  | 83.7  | 55.3             | 79.4  | 65.9  | 76.4             | 80.8  | 78.4  |
| Widowed  | <0.1       | <0.1  | <0.1  | 2.0        | 0.8   | 1.5   | 28.8             | 8.8   | 20.0  | 5.6              | 1.7   | 3.8   |
| Single, divorced, separated  | 21.2       | 22.4  | 21.8  | 15.1       | 14.5  | 14.8  | 15.9             | 11.8  | 14.1  | 18.0             | 17.5  | 17.8  |
| <u>Employment Status</u>   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Working for pay or self-employed   | 67.0       | 88.0  | 76.2  | 68.6       | 81.0  | 74.5  | 11.9             | 8.5   | 10.4  | 58.7             | 72.6  | 65.0  |
| Unemployed, laid off, or on strike   | 7.1        | 3.8   | 5.7   | 7.4        | 4.3   | 5.9   | 1.0              | 0.2   | 0.6   | 6.2              | 3.5   | 5.0   |
| Not in workforce (student, homemaker, retired, unable to work due to disability) | 25.9       | 8.2   | 18.1  | 24.0       | 14.7  | 19.6  | 87.1             | 91.3  | 89.0  | 35.1             | 23.9  | 30.0  |

Table 1. Selected Sociodemographic Characteristics of Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Characteristics  | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|--|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|  | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| <b>Household Income (2010)</b>                         |            |       |       |            |       |       |                  |       |       |                  |       |       |
| \$15,000 or less                                       | 1.2        | 3.7   | 2.3   | 5.5        | 1.6   | 3.6   | 16.4             | 6.2   | 11.7  | 5.2              | 3.2   | 4.3   |
| \$15,001-\$25,000                                      | 2.6        | 7.8   | 4.9   | 1.0        | 0.6   | 0.8   | 8.8              | 10.9  | 9.8   | 3.0              | 5.3   | 4.0   |
| \$25,001-\$35,000                                      | 9.4        | 1.8   | 6.0   | 5.8        | 7.6   | 6.7   | 16.4             | 20.0  | 18.1  | 9.1              | 7.0   | 8.1   |
| \$35,001-\$50,000                                      | 8.7        | 15.3  | 11.6  | 6.6        | 8.3   | 7.4   | 18.5             | 16.7  | 17.7  | 9.4              | 12.6  | 10.8  |
| \$50,001-\$65,000                                      | 8.1        | 5.1   | 6.8   | 11.0       | 12.1  | 11.5  | 10.9             | 16.3  | 13.4  | 9.7              | 9.7   | 9.7   |
| \$65,001-\$80,000                                      | 18.5       | 3.0   | 11.6  | 15.3       | 15.6  | 15.5  | 12.6             | 13.4  | 12.9  | 16.3             | 9.8   | 13.3  |
| \$80,001-\$100,000                                     | 16.6       | 26.4  | 21.0  | 22.0       | 14.8  | 18.5  | 7.0              | 7.2   | 7.0   | 17.2             | 18.7  | 17.9  |
| \$100,000-\$150,000                                    | 26.0       | 22.0  | 24.2  | 24.8       | 27.7  | 26.2  | 8.3              | 8.0   | 8.2   | 22.8             | 22.2  | 22.6  |
| Over \$150,000   | 8.9        | 14.9  | 11.6  | 8.0        | 11.7  | 9.8   | 1.1              | 1.3   | 1.2   | 7.3              | 11.5  | 9.3   |
| <b>During the past 12 months, because of the cost:</b> |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Delayed or did not get needed medical care             | 11.7       | 9.6   | 10.8  | 12.6       | 6.2   | 9.5   | 5.9              | 7.0   | 6.4   | 11.1             | 7.8   | 9.6   |
| Rationed a prescribed medicine                         | 6.3        | 7.6   | 6.9   | 9.0        | 6.8   | 7.9   | 4.4              | 5.1   | 4.8   | 7.0              | 6.9   | 7.0   |

<sup>1</sup> From the 2011 Division of Research Member Health Survey, a random sample survey of Health Plan members aged 20 and over conducted in Spring 2011. Estimates for this table are based on data from respondents aged  $\geq 20$ , weighted to the age-, gender-, and geographic distribution of the Health Plan membership in final quarter of 2010.

<sup>2</sup> Algorithm for assigning individuals to one race/ethnicity for purposes of estimation was as follows: White if only White/Euro-American indicated; African-American/Black if African-American or Other Black indicated alone or with any other race/ethnicity; Latino/Hispanic if that category indicated alone or in combination with any other race/ethnicity except for African-American/Black; Asian if one or more of Chinese, Japanese, Korean, Filipino, Southeast Asian, Indian/Pakistani, or Other Asian category indicated and African-American/Black and Latino/Hispanic not indicated; Hawaiian or Pacific Islander if ethnicities in this group were indicated but not African-American/Black, Latino/Hispanic, or Asian race/ethnic categories. Native American/Alaska Native if this category was the only one indicated; and Other if Middle Eastern or Other indicated, but not African-American/Black, Latino/Hispanic, or Asian race/ethnic categories. The sum across these broad categories should be approximately 100%.

<sup>3</sup> Asian race/ethnic category includes Chinese, Japanese, Korean, Filipino, Southeast Asian, South Asian (e.g., Indian/Pakistani), or other Asian subgroup.

Table 2. Prevalence of Selected Chronic Health Problems Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Health Status                  | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|--------------------------------|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|                                | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| <u>Overall Health Status</u>   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Excellent                      | 20.1       | 14.5  | 17.6  | 9.8        | 14.9  | 12.2  | 7.5              | 7.2   | 7.4   | 14.1             | 13.6  | 13.9  |
| Very Good                      | 43.9       | 39.1  | 41.6  | 38.7       | 34.3  | 36.6  | 26.5             | 23.0  | 24.9  | 39.0             | 34.7  | 37.0  |
| Good                           | 31.8       | 36.8  | 34.1  | 39.8       | 36.8  | 38.3  | 49.8             | 46.6  | 48.4  | 37.8             | 38.3  | 38.0  |
| Fair                           | 4.2        | 9.6   | 6.7   | 11.0       | 12.6  | 11.8  | 13.9             | 17.3  | 15.4  | 8.4              | 12.0  | 10.1  |
| Poor                           | <0.1       | <0.1  | <0.1  | 0.7        | 1.4   | 1.1   | 2.3              | 5.9   | 3.9   | 0.7              | 1.4   | 1.0   |
| <u>Physical Health Status</u>  |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Excellent                      | 20.9       | 18.0  | 19.5  | 9.8        | 13.1  | 11.4  | 6.8              | 5.8   | 6.3   | 14.3             | 14.2  | 14.2  |
| Very Good                      | 42.3       | 37.1  | 39.9  | 36.3       | 40.0  | 38.1  | 27.8             | 26.6  | 27.3  | 37.6             | 36.7  | 37.2  |
| Good                           | 28.8       | 33.6  | 31.0  | 38.7       | 34.9  | 36.9  | 49.6             | 45.3  | 47.7  | 36.0             | 35.9  | 36.0  |
| Fair                           | 8.0        | 11.3  | 9.6   | 14.4       | 10.6  | 12.6  | 13.3             | 17.3  | 15.1  | 11.4             | 11.9  | 11.6  |
| Poor                           | <0.1       | <0.1  | <0.1  | 0.8        | 1.4   | 1.0   | 2.5              | 5.0   | 3.6   | 0.7              | 1.3   | 1.0   |
| <u>Emotional Health Status</u> |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Excellent                      | 25.6       | 35.8  | 30.2  | 16.7       | 23.0  | 19.7  | 19.5             | 24.9  | 22.0  | 21.2             | 28.9  | 24.7  |
| Very Good                      | 40.4       | 21.8  | 31.9  | 39.3       | 44.7  | 41.8  | 31.8             | 32.6  | 32.2  | 38.6             | 32.8  | 35.9  |
| Good                           | 24.2       | 33.4  | 28.4  | 34.1       | 26.2  | 30.4  | 39.0             | 32.4  | 36.0  | 30.4             | 30.3  | 30.4  |
| Fair                           | 6.7        | 6.8   | 6.8   | 8.4        | 5.3   | 6.9   | 6.2              | 8.1   | 7.0   | 7.3              | 6.4   | 6.9   |
| Poor                           | 3.1        | 2.2   | 2.7   | 1.5        | 0.8   | 1.2   | 3.5              | 2.0   | 2.8   | 2.5              | 1.6   | 2.1   |



Table 2. Prevalence of Selected Chronic Health Problems Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Health Status   | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|---|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|   | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| <u>How much health interferes with work or regular daily activities</u> |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Physical health (incl. pain)  |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Not at all  | 51.90      | 59.6  | 55.5  | 42.1       | 34.6  | 38.5  | 32.9             | 23.7  | 28.8  | 45.0             | 44.0  | 44.6  |
| A little  | 31.0       | 24.8  | 28.1  | 33.8       | 47.6  | 40.4  | 33.6             | 34.7  | 34.0  | 32.5             | 35.6  | 33.9  |
| Moderately  | 7.5        | 11.2  | 9.2   | 12.0       | 8.0   | 10.1  | 17.4             | 27.8  | 22.1  | 10.9             | 12.4  | 11.6  |
| Quite a bit   | 9.6        | 4.4   | 7.2   | 12.1       | 9.8   | 11.0  | 16.1             | 13.8  | 15.1  | 11.6             | 8.0   | 9.9   |
| Emotional/mental health   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Not at all  | 59.9       | 65.7  | 62.5  | 58.3       | 60.1  | 59.1  | 60.4             | 60.9  | 60.6  | 59.4             | 62.6  | 60.8  |
| A little  | 25.7       | 20.8  | 23.5  | 28.4       | 24.9  | 26.8  | 27.1             | 25.7  | 26.4  | 26.9             | 23.2  | 25.3  |
| Moderately  | 9.4        | 4.7   | 7.3   | 5.3        | 7.9   | 6.5   | 8.8              | 10.7  | 9.7   | 7.7              | 7.0   | 7.4   |
| Quite a bit   | 5.0        | 8.8   | 6.7   | 8.0        | 7.1   | 7.6   | 3.7              | 2.7   | 3.3   | 6.0              | 7.2   | 6.5   |
| <u>Health Conditions During Past 12 Months</u>                          |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Diabetes <sup>2</sup>   | 2.5        | 2.7   | 2.6   | 13.0       | 17.5  | 15.2  | 13.7             | 26.3  | 19.3  | 8.4              | 12.3  | 10.2  |
| Hypertension <sup>2</sup>   | 8.6        | 7.8   | 8.2   | 35.8       | 43.7  | 39.6  | 68.6             | 67.8  | 68.2  | 29.0             | 31.5  | 30.2  |
| High cholesterol (MD dx) <sup>2</sup>                                   | 3.4        | 5.7   | 4.4   | 31.2       | 35.2  | 33.1  | 50.1             | 57.9  | 53.6  | 21.8             | 25.6  | 23.6  |
| Heart problems, incl. angina, MI <sup>2</sup>                           | 1.0        | 3.8   | 2.3   | 4.4        | 5.7   | 5.0   | 19.3             | 27.0  | 22.7  | 5.3              | 8.2   | 6.6   |
| Stroke  | <0.1       | <0.1  | <0.1  | <0.1       | <0.1  | <0.1  | 6.2              | 2.9   | 4.7   | 1.0              | 0.4   | 0.8   |
| TIA   | <0.1       | <0.1  | <0.1  | 1.1        | <0.1  | 0.6   | 1.6              | 2.1   | 1.9   | 0.7              | 0.3   | 0.5   |
| Cancer (any type)   | 0.7        | <0.1  | 0.4   | 7.3        | 1.8   | 4.7   | 5.6              | 9.8   | 7.5   | 4.1              | 2.2   | 3.2   |
| Non-skin cancer   | <0.1       | <0.1  | <0.1  | 5.6        | 0.8   | 3.3   | 4.7              | 6.0   | 5.3   | 2.9              | 1.2   | 2.1   |
| Skin cancer   | 0.7        | <0.1  | 0.4   | <0.1       | 1.0   | 0.5   | 1.0              | 3.5   | 2.1   | 0.5              | 0.9   | 0.7   |
| Asthma <sup>2</sup>   | 10.5       | 13.6  | 11.9  | 15.9       | 10.8  | 13.5  | 10.0             | 11.4  | 10.6  | 12.5             | 12.2  | 12.3  |
| COPD (Emphysema, Chronic bronchitis)                                    | <0.1       | <0.1  | <0.1  | 1.4        | 1.1   | 1.3   | 6.1              | 9.2   | 7.4   | 1.6              | 1.8   | 1.7   |

Table 2. Prevalence of Selected Chronic Health Problems Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Health Status   | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|---|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|   | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| Frequent Heartburn (GERD)   | 6.9        | 4.9   | 6.0   | 15.2       | 12.9  | 14.1  | 11.2             | 16.5  | 13.6  | 10.8             | 9.9   | 10.4  |
| Osteoporosis  | --         | --    | --    | 3.1        | --    | --    | 9.0              | 0.5   | --    | --               | --    | --    |
| Arthritis/rheumatoid arthritis                                      | 3.0        | 2.7   | 2.9   | 10.2       | 9.5   | 9.8   | 29.0             | 21.5  | 25.6  | 10.1             | 8.3   | 9.3   |
| Severe or chronic pain  | 33.8       | 27.8  | 31.0  | 36.4       | 32.5  | 34.5  | 30.6             | 22.9  | 27.2  | 34.3             | 28.9  | 31.8  |
| Musculoskeletal pain  | 16.2       | 16.9  | 16.6  | 21.1       | 16.4  | 18.9  | 15.7             | 12.0  | 14.1  | 18.0             | 16.0  | 17.1  |
| Severe back pain/sciatica   | 11.3       | 14.8  | 12.9  | 14.4       | 12.2  | 13.4  | 11.0             | 8.2   | 9.8   | 12.4             | 12.7  | 12.6  |
| Severe neck/shoulder pain   | 8.4        | 5.9   | 7.2   | 11.7       | 6.1   | 9.0   | 7.1              | 6.2   | 6.7   | 9.4              | 6.1   | 7.9   |
| Migraine headaches  | 11.6       | 5.2   | 8.7   | 12.2       | 9.0   | 10.7  | 2.3              | 1.1   | 1.7   | 10.3             | 6.1   | 8.3   |
| Other severe headaches  | 5.3        | 3.8   | 4.6   | 9.0        | 1.9   | 5.6   | 1.3              | 2.4   | 1.8   | 6.0              | 2.8   | 4.5   |
| Other chronic pain  | 13.9       | 7.1   | 10.7  | 12.7       | 13.0  | 12.8  | 19.1             | 14.9  | 17.2  | 14.3             | 10.7  | 12.6  |
| Urine leakage ( $\geq$ once/week)                                   | 9.1        | --    | --    | 12.6       | 3.0   | --    | 29.4             | 18.4  | --    | 13.8             | 4.0   | --    |
| Frequent problems falling or staying asleep                         | 4.3        | 7.7   | 5.8   | 11.2       | 5.6   | 8.5   | 14.1             | 7.4   | 11.1  | 8.6              | 6.8   | 7.7   |
| Vision problem (not correctable by glasses)                         | 6.7        | 5.5   | 6.1   | 15.2       | 13.0  | 14.1  | 29.4             | 28.2  | 28.9  | 13.8             | 12.0  | 12.9  |
| Hearing problem/deafness <sup>3</sup>                               | 3.2        | 2.7   | 3.0   | 4.7        | 5.2   | 4.9   | 18.1             | 31.4  | 24.0  | 6.2              | 8.1   | 7.1   |
| Depression and/or Anxiety lasting $\geq$ 2 wks <sup>2,4</sup>       | 16.5       | 9.2   | 13.2  | 20.3       | 12.5  | 16.6  | 20.4             | 9.5   | 15.6  | 18.6             | 10.6  | 14.9  |
| Depression, sadness, very low spirits for $\geq$ 2 wks <sup>4</sup> | 13.2       | 8.2   | 10.9  | 14.5       | 6.6   | 10.7  | 14.3             | 6.2   | 10.7  | 13.9             | 7.2   | 10.8  |
| Anxiety/panic for $\geq$ 2 wks <sup>2</sup>                         | 10.6       | 6.3   | 8.6   | 11.8       | 7.5   | 9.8   | 10.5             | 5.0   | 8.1   | 11.0             | 6.6   | 9.0   |
| Alcohol or drug problem   | 2.1        | 2.7   | 2.4   | 1.1        | 2.3   | 1.7   | 0.3              | 0.2   | 0.2   | 1.4              | 2.2   | 1.8   |

Table 2. Prevalence of Selected Chronic Health Problems Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Health Status   | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|---|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|   | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| <b>Seniors Only:</b>  |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Problems with teeth, gums or mouth making it difficult to eat or talk | --         | --    | --    | --         | --    | --    | 10.1             | 13.4  | 11.6  | --               | --    | --    |
| Memory problems   | --         | --    | --    | --         | --    | --    | 17.9             | 13.2  | 15.8  | --               | --    | --    |
| Balance/walking problem   | --         | --    | --    | --         | --    | --    | 13.2             | 14.7  | 13.9  | --               | --    | --    |
| At least 1 fall during past yr  | --         | --    | --    | --         | --    | --    | 25.0             | 22.0  | 23.7  | --               | --    | --    |
| Only 1 fall   | --         | --    | --    | --         | --    | --    | 14.4             | 8.1   | 11.6  | --               | --    | --    |
| 2 falls   | --         | --    | --    | --         | --    | --    | 5.5              | 5.7   | 5.6   | --               | --    | --    |
| 3 or more falls   | --         | --    | --    | --         | --    | --    | 5.1              | 8.2   | 6.4   | --               | --    | --    |
| <b>History of Selected Health Conditions (Ever):<sup>5</sup></b>      |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Heart problems or M.I.  | 1.0        | 5.7   | 3.1   | 4.4        | 8.7   | 6.4   | 22.9             | 33.3  | 27.5  | 5.9              | 11.2  | 8.4   |
| Stroke  | 1.0        | <0.1  | 0.5   | 0.5        | <0.1  | 0.2   | 8.1              | 7.3   | 7.7   | 2.0              | 1.1   | 1.6   |
| TIA   | 0.9        | 1.9   | 1.3   | 2.0        | 1.1   | 1.6   | 2.2              | 3.2   | 2.6   | 1.5              | 1.8   | 1.6   |
| High blood pressure   | 9.6        | 8.9   | 9.3   | 40.4       | 45.7  | 42.9  | 69.1             | 72.3  | 70.5  | 31.4             | 33.5  | 32.4  |
| Cancer  | 2.7        | <0.1  | 1.5   | 13.5       | 5.7   | 9.8   | 21.4             | 23.1  | 22.2  | 10.0             | 5.9   | 8.1   |
| Non-skin cancer   | <0.1       | <0.1  | <0.1  | 9.2        | 2.4   | 6.0   | 16.7             | 17.3  | 17.0  | 6.3              | 3.5   | 5.0   |
| Skin cancer   | 2.7        | <0.1  | 1.5   | 2.3        | 2.9   | 2.6   | 3.3              | 7.8   | 5.3   | 2.7              | 2.3   | 2.5   |
| Depression  | 18.8       | 9.2   | 14.4  | 21.5       | 9.4   | 15.8  | 16.4             | 6.4   | 12.0  | 19.5             | 8.9   | 14.5  |
| Chronic Pain  | 15.9       | 11.7  | 14.0  | 17.4       | 19.8  | 18.5  | 24.2             | 18.4  | 21.6  | 17.9             | 16.0  | 17.0  |
| Alcohol or drug problem   | 2.8        | 4.4   | 3.5   | 1.6        | 3.7   | 2.6   | 0.5              | 1.0   | 0.7   | 2.0              | 3.6   | 2.7   |

<sup>1</sup> From the 2011 Division of Research Member Health Survey, a random sample survey of Health Plan members aged 20 and over conducted in Spring 2011. Estimates for this table are based on data from respondents aged  $\geq 20$ , weighted to the age-, gender-, and geographic distribution of the Health Plan membership in final quarter of 2010.

<sup>2</sup> Estimate based on indication of the health condition or reported use of medication to control that health condition.

<sup>3</sup> Estimates based on an indication of a hearing problem/deafness in the health condition checklist and for seniors, a question about use of/need for a hearing aid.

- <sup>4</sup> Depression was estimated from indication of depression, sadness, or very low spirits lasting at least 2 weeks in a health condition checklist or indication of use of a prescription anti-depressant during the previous 12 months.
- <sup>5</sup> Indicated ever having this condition, including in the past 12 months.

Table 3. Prevalence of Selected Behavioral and Psychosocial Risks Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Behavioral/Psychosocial Risks During the Past 12 Months   | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|---|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|   | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| <b>History of Tobacco Use</b>                             |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Current cigarette smoker                                  | 6.4        | 8.8   | 7.5   | 6.1        | 15.5  | 10.6  | 4.7              | 7.8   | 6.1   | 6.0              | 11.3  | 8.5   |
| Former cigarette smoker                                   | 8.6        | 10.9  | 9.6   | 23.5       | 24.5  | 24.0  | 32.7             | 37.5  | 34.8  | 18.3             | 20.5  | 19.3  |
| Never smoked regularly                                    | 85.0       | 80.3  | 82.9  | 70.4       | 60.0  | 65.4  | 62.6             | 54.7  | 59.1  | 75.7             | 68.2  | 72.2  |
| <b>Weight</b>   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Overweight (BMI $\geq$ 25)                                | 53.6       | 67.6  | 60.1  | 66.5       | 78.2  | 72.1  | 63.7             | 71.3  | 67.1  | 60.3             | 72.4  | 65.9  |
| Obese (BMI $\geq$ 30)                                     | 29.5       | 37.3  | 33.1  | 48.7       | 40.5  | 44.7  | 27.8             | 29.6  | 28.6  | 36.6             | 37.4  | 37.0  |
| <b>BMI range:</b>   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| BMI < 18.5 (underwt)                                      | 6.9        | 1.1   | 4.2   | <0.1       | <0.1  | <0.1  | 4.4              | 1.4   | 3.0   | 3.8              | 0.7   | 2.3   |
| BMI 18.5 to 25  | 39.5       | 31.4  | 35.7  | 33.5       | 21.8  | 27.9  | 31.9             | 27.3  | 29.9  | 35.9             | 26.9  | 31.7  |
| BMI 25 to 30 (over wt)                                    | 24.1       | 30.2  | 27.0  | 17.8       | 37.8  | 27.4  | 35.9             | 41.7  | 38.5  | 23.7             | 35.0  | 29.0  |
| BMI 30 to <35 (obese)                                     | 18.3       | 16.9  | 17.6  | 29.0       | 25.1  | 27.1  | 18.2             | 24.2  | 20.9  | 22.4             | 21.3  | 21.9  |
| BMI $\geq$ 35 (very obese)                                | 11.2       | 20.4  | 15.5  | 19.7       | 15.3  | 17.6  | 9.6              | 5.4   | 7.7   | 14.2             | 16.1  | 15.1  |
| <b>Exercise Frequency</b>                                 |            |       |       |            |       |       |                  |       |       |                  |       |       |
| 5 or more times/week                                      | 21.9       | 24.7  | 23.2  | 27.2       | 32.4  | 29.7  | 19.6             | 38.0  | 27.8  | 23.5             | 29.8  | 26.4  |
| 3-4 times/week  | 38.7       | 25.9  | 32.8  | 36.4       | 22.2  | 29.6  | 34.5             | 26.9  | 31.1  | 37.2             | 24.6  | 31.3  |
| 1-2 times/week  | 20.7       | 36.0  | 27.8  | 19.6       | 29.9  | 24.6  | 18.8             | 20.0  | 19.3  | 20.0             | 31.1  | 25.2  |
| Less than 1 time/week                                     | 18.7       | 13.4  | 16.2  | 16.8       | 15.5  | 16.1  | 27.1             | 15.1  | 21.8  | 19.3             | 14.5  | 17.1  |
| <b>Usual Type of Exercise (Those who exercise only)</b>   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Low impact  | 25.2       | 30.4  | 27.5  | 45.7       | 46.8  | 46.2  | 57.6             | 47.3  | 52.8  | 37.4             | 39.5  | 38.4  |
| Moderate/Vigorous   | 74.8       | 69.6  | 72.5  | 54.3       | 53.2  | 53.8  | 42.4             | 52.7  | 47.2  | 62.6             | 60.5  | 61.6  |
| <b>Dietary Practices</b>                                  |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Tries to eat reduced fat foods most of the time.          | 47.8       | 35.2  | 42.0  | 51.5       | 48.4  | 50.0  | 52.7             | 47.5  | 50.4  | 50.0             | 42.4  | 46.5  |
| Tries to avoid foods high in salt/sodium most of the time | 51.9       | 40.0  | 46.4  | 60.4       | 54.8  | 57.7  | 60.3             | 55.9  | 58.3  | 56.5             | 48.4  | 52.8  |

Table 3. Prevalence of Selected Behavioral and Psychosocial Risks Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Behavioral/Psychosocial Risks During the Past 12 Months | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|---|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|   | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| <u>Fruit/Vegetable Consumption</u>                      |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Eats $\geq 3$ servings per day                          | 51.6       | 25.8  | 39.9  | 55.5       | 25.4  | 41.1  | 49.3             | 31.0  | 41.1  | 52.7             | 26.4  | 40.5  |
| Eats $\geq 5$ servings per day                          | 14.3       | 8.2   | 11.5  | 17.5       | 7.7   | 12.8  | 17.6             | 10.9  | 14.6  | 16.1             | 8.4   | 12.5  |
| Takes a daily multivitamin                              | 42.1       | 38.3  | 40.4  | 53.2       | 49.2  | 51.3  | 51.2             | 42.4  | 47.2  | 47.8             | 43.3  | 45.7  |
| Takes calcium (any)                                     | 17.6       | 7.7   | 13.1  | 48.0       | 11.0  | 30.3  | 64.8             | 19.6  | 44.5  | 37.0             | 10.9  | 24.9  |
| Calcium+D or calcium with D from another source         | 15.3       | 6.0   | 11.1  | 45.4       | 11.0  | 28.9  | 63.1             | 19.6  | 43.6  | 34.7             | 10.1  | 23.3  |
| Takes vitamin D (not as part of multivitamin/calcium)   | 4.9        | 4.6   | 4.8   | 27.9       | 9.8   | 19.2  | 30.6             | 13.7  | 23.0  | 17.9             | 8.1   | 13.3  |
| <u>Alcohol Consumption</u>                              |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Never drinks  | 21.1       | 20.3  | 20.8  | 29.0       | 24.5  | 26.9  | 41.4             | 26.9  | 34.8  | 27.3             | 23.0  | 25.3  |
| Drinks < once/week                                      | 57.6       | 35.7  | 47.6  | 47.3       | 30.2  | 39.1  | 37.1             | 32.6  | 35.0  | 50.4             | 33.0  | 42.4  |
| Drinks 1-2 days/week                                    | 12.4       | 22.4  | 17.0  | 11.4       | 16.5  | 13.8  | 3.2              | 12.3  | 7.3   | 10.6             | 18.5  | 14.2  |
| Drinks 3-4 days/week                                    | 5.9        | 11.7  | 8.5   | 7.9        | 13.8  | 10.7  | 2.9              | 6.1   | 4.4   | 6.2              | 11.7  | 8.8   |
| Drinks $\geq 5$ days/week                               | 3.0        | 9.9   | 6.1   | 4.4        | 15.0  | 9.5   | 15.4             | 22.1  | 18.5  | 5.5              | 13.8  | 9.3   |
| At-Risk drinker based on:                               |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Drinks/day (W >1, M >2) <sup>2</sup>                    | 39.3       | 32.0  | 36.0  | 33.7       | 19.2  | 26.7  | 18.4             | 14.6  | 16.6  | 33.8             | 24.2  | 29.3  |
| Drinks/week <sup>3</sup><br>(W >7, M >14)               | 3.7        | 9.2   | 6.2   | 3.2        | 6.3   | 4.7   | 11.8             | 8.7   | 10.4  | 4.8              | 8.0   | 6.3   |
| <u>Sleep (per 24 hour day)</u>                          |            |       |       |            |       |       |                  |       |       |                  |       |       |
| < 6 hours   | 9.4        | 7.2   | 8.4   | 10.4       | 8.5   | 9.5   | 8.5              | 3.4   | 6.2   | 9.6              | 7.1   | 8.5   |
| 6-<7 hours  | 23.1       | 27.1  | 24.9  | 25.5       | 22.9  | 24.3  | 14.3             | 14.5  | 14.4  | 22.6             | 23.5  | 23.0  |
| 7-9 hours   | 62.3       | 62.2  | 62.3  | 63.3       | 64.3  | 63.8  | 63.7             | 74.2  | 68.4  | 62.9             | 64.9  | 63.8  |
| > 9 hours   | 5.2        | 3.5   | 4.4   | 0.8        | 4.3   | 2.4   | 13.5             | 7.9   | 11.0  | 4.9              | 4.5   | 4.7   |

Table 3. Prevalence of Selected Behavioral and Psychosocial Risks Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Behavioral/Psychosocial Risks During the Past 12 Months                         | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|---|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|   | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| <b>Psychosocial Risks</b>   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Worried about personal/family financial security                                | 32.6       | 26.7  | 29.9  | 32.0       | 35.6  | 33.7  | 12.1             | 10.6  | 11.5  | 29.0             | 27.8  | 28.5  |
| Worried about safety  | 7.9        | 7.3   | 7.6   | 6.7        | 11.3  | 8.9   | 5.2              | 3.1   | 4.3   | 7.0              | 8.3   | 7.6   |
| Have felt harassed or discriminated against                                     | 4.3        | 8.1   | 6.0   | 5.0        | 9.9   | 7.3   | <0.1             | 0.8   | 0.3   | 3.8              | 7.7   | 5.6   |
| Very stressed, tense or anxious much of the time                                | 20.7       | 25.5  | 22.9  | 28.3       | 16.3  | 22.5  | 6.3              | 1.7   | 4.2   | 21.2             | 18.1  | 19.8  |
| Overall satisfaction with life  |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Fairly/very satisfied   | 93.8       | 95.9  | 94.8  | 88.3       | 89.0  | 88.7  | 92.2             | 95.6  | 93.7  | 91.5             | 93.1  | 92.2  |
| Not very/not at all satisfied   | 6.2        | 4.1   | 5.2   | 11.7       | 11.0  | 11.3  | 7.8              | 4.4   | 6.3   | 8.5              | 6.9   | 7.8   |
| Overall happiness   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Pretty/very happy   | 89.0       | 97.8  | 93.0  | 85.4       | 84.8  | 85.1  | 90.9             | 91.7  | 91.3  | 87.9             | 91.5  | 89.6  |
| Not very/not at all happy   | 11.0       | 2.2   | 7.0   | 14.6       | 15.2  | 14.9  | 9.1              | 8.3   | 8.7   | 12.1             | 8.5   | 10.4  |
| <b>Health-Related Beliefs</b>   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| <u>Belief about extent to which lifestyle/habits can affect health</u>          |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Not at all/a little bit   | 4.7        | 11.2  | 7.7   | 5.0        | 6.3   | 5.6   | 9.6              | 7.6   | 8.8   | 5.6              | 8.7   | 7.0   |
| Moderately  | 10.6       | 23.2  | 16.3  | 6.6        | 11.9  | 9.1   | 8.9              | 12.0  | 10.2  | 8.8              | 16.9  | 12.5  |
| Quite a bit/extremely   | 84.7       | 65.6  | 76.0  | 88.4       | 81.8  | 85.3  | 81.5             | 80.4  | 81.0  | 85.6             | 74.4  | 80.5  |
| <u>Belief about extent to which stress/emotional troubles can affect health</u> |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Not at all/a little bit   | 7.2        | 14.2  | 10.4  | 8.8        | 8.8   | 8.8   | 11.9             | 18.8  | 15.0  | 8.6              | 12.7  | 10.5  |
| Moderately  | 13.1       | 22.4  | 17.3  | 5.8        | 8.7   | 7.1   | 11.6             | 7.9   | 9.9   | 10.0             | 14.6  | 12.1  |
| Quite a bit/extremely   | 79.7       | 63.4  | 72.3  | 85.4       | 82.5  | 84.1  | 76.5             | 73.3  | 75.1  | 81.4             | 72.7  | 77.4  |

- <sup>1</sup> From the 2011 Division of Research Member Health Survey, a random sample survey of Health Plan members aged 20 and over conducted in Spring 2011. Estimates for this table are based on data from respondents aged  $\geq 20$ , weighted to the age-, gender-, and geographic distribution of the Health Plan membership in final quarter of 2010.
- <sup>2</sup> At-risk drinker based on usual number of drinks consumed on days when had a drink: Women > 1 drink in a day, Men > 2 drinks in a day.
- <sup>3</sup> At-risk drinker based on number of drinks per week estimated by usual drinking frequency x usual number of drinks: Women > 7/week, Men > 14/week.



Table 4. Actions People Are Taking to Improve or Maintain Health, Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Actions Taken<br>Trying To:                           | Ages 20-44 |          |          | Ages 45-64 |          |          | Ages 65 and Over |          |          | Ages 20 and Over |          |          |
|---|------------|----------|----------|------------|----------|----------|------------------|----------|----------|------------------|----------|----------|
|   | Women<br>% | Men<br>% | All<br>% | Women<br>% | Men<br>% | All<br>% | Women<br>%       | Men<br>% | All<br>% | Women<br>%       | Men<br>% | All<br>% |
| Tries to get exercise (any type) most days            | 67.4       | 51.0     | 59.9     | 58.0       | 57.4     | 57.7     | 47.4             | 54.5     | 50.6     | 60.5             | 54.1     | 57.5     |
| Gets moderate/vigorous exercise most days             | 55.5       | 38.4     | 47.6     | 41.3       | 46.4     | 43.7     | 40.7             | 39.1     | 40.0     | 47.6             | 41.7     | 44.9     |
| Daily walks/10,000 steps                              | 26.6       | 15.6     | 21.6     | 33.2       | 31.9     | 32.6     | 17.1             | 27.6     | 21.8     | 27.6             | 24.0     | 25.9     |
| Reads labels/recipes to learn what is in their food   | 54.0       | 40.1     | 47.6     | 65.3       | 44.8     | 55.5     | 56.4             | 40.5     | 49.3     | 58.7             | 42.1     | 51.0     |
| Tries to eat mostly healthy foods                     | 71.9       | 59.8     | 66.3     | 74.4       | 62.9     | 68.9     | 69.5             | 57.9     | 64.3     | 72.5             | 60.7     | 67.0     |
| Tries to manage stress                                | 47.4       | 32.1     | 40.4     | 57.3       | 45.1     | 51.5     | 34.6             | 25.4     | 30.5     | 49.1             | 36.3     | 43.2     |
| Tries to get enough sleep to feel well rested         | 69.3       | 63.5     | 66.7     | 77.8       | 52.8     | 65.9     | 69.4             | 60.1     | 65.2     | 72.6             | 58.7     | 66.1     |
| Taking steps to lose weight or maintain weight loss   | 57.9       | 43.9     | 51.5     | 61.9       | 52.3     | 57.3     | 38.3             | 33.0     | 35.9     | 56.2             | 45.6     | 51.3     |
| If overweight or obese                                | 81.2       | 57.6     | 68.9     | 73.0       | 62.7     | 68.5     | 59.1             | 48.1     | 54.0     | 74.2             | 58.7     | 66.9     |
| Does enjoyable activities at least once a week        | 68.8       | 66.6     | 67.8     | 67.0       | 67.9     | 67.4     | 54.6             | 47.2     | 51.3     | 65.8             | 64.1     | 65.0     |
| Takes low dose aspirin to prevent heart attack/stroke | 2.9        | 4.6      | 3.7      | 34.9       | 32.5     | 33.8     | 50.6             | 50.4     | 50.5     | 23.0             | 22.9     | 23.0     |
| <u>Seniors Only:</u>                                  |            |          |          |            |          |          |                  |          |          |                  |          |          |
| Taking steps to prevent falls                         | --         | --       | --       | --         | --       | --       | 44.9             | 25.7     | 36.3     | --               | --       | --       |
| Does activities to keep brain stimulated              | --         | --       | --       | --         | --       | --       | 69.6             | 56.5     | 63.7     | --               | --       | --       |
| Visits with people at least once a week               | --         | --       | --       | --         | --       | --       | 61.6             | 60.7     | 61.2     | --               | --       | --       |

<sup>1</sup> From the 2011 Division of Research Member Health Survey, a random sample survey of Health Plan members aged 20 and over conducted in Spring 2011. Estimates for this table are based on data from respondents aged  $\geq 20$ , weighted to the age-, gender-, and geographic distribution of the Health Plan membership in final quarter of 2010.

Table 5. Use of Selected Preventive Medicine Services (self-reported) by Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Preventive<br>Medicine Services <sup>2</sup>  | Ages 20-44 |          |          | Ages 45-64 |          |          | Ages 65 and Over |          |          | Ages 20 and Over |          |          |
|---|------------|----------|----------|------------|----------|----------|------------------|----------|----------|------------------|----------|----------|
|   | Women<br>% | Men<br>% | All<br>% | Women<br>% | Men<br>% | All<br>% | Women<br>%       | Men<br>% | All<br>% | Women<br>%       | Men<br>% | All<br>% |
| <u>Flu immunization in 2010-11 flu season</u> |            |          |          |            |          |          |                  |          |          |                  |          |          |
| Ages ≥ 20                                     | 45.3       | 48.5     | 46.7     | 54.3       | 38.7     | 46.9     | 72.0             | 77.3     | 74.4     | 53.1             | 48.9     | 51.2     |
| Ages ≥ 50                                     | --         | --       | --       | 52.2       | 42.6     | 47.7     | 72.0             | 77.3     | 74.4     | 59.7             | 55.0     | 57.5     |
| Ages ≥ 65 or high risk <sup>3</sup>           | 49.7       | 46.6     | 48.0     | 64.6       | 48.7     | 56.7     | 72.0             | 77.3     | 74.4     | 65.3             | 60.0     | 62.8     |
| <u>Pneumococcal vaccination (ever)</u>        |            |          |          |            |          |          |                  |          |          |                  |          |          |
| Ages ≥ 65                                     | --         | --       | --       | --         | --       | --       | 69.7             | 70.4     | 70.0     | --               | --       | --       |
| <u>Dental exam by dentist/hygienist</u>       |            |          |          |            |          |          |                  |          |          |                  |          |          |
| Within past 12 months                         | 81.6       | 74.4     | 78.3     | 77.9       | 74.9     | 76.5     | 76.2             | 64.7     | 71.1     | 79.3             | 73.2     | 76.4     |
| More than one year ago                        | 17.3       | 24.5     | 20.6     | 21.6       | 23.2     | 22.3     | 20.7             | 30.7     | 25.1     | 19.5             | 24.9     | 22.0     |

<sup>1</sup> From the 2011 Division of Research Member Health Survey, a random sample survey of Health Plan members aged 20 and over conducted in Spring 2011. Estimates for this table are based on data from respondents aged ≥ 20, weighted to the age-, gender-, and geographic distribution of the Health Plan membership in final quarter of 2010.

<sup>2</sup> Based on self-report data. Previous research suggests that self-report tends to underestimate the length of time since procedures were done, so these rates may overestimate the actual rates of members who had these procedures during the specified interval.

<sup>3</sup> High risk: having ≥1 of the following: history of heart disease, MI in past year, Parkinson's disease, diabetes, asthma, COPD, chronic bronchitis.

Table 6. Use of Selected Complementary or Alternative Medicine, Modalities in Past 12 Months to Treat or Prevent Own Health Problems, Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Complementary or Alternative Medicine                                 | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|---|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|   | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| Chiropractic  | 8.3        | 3.8   | 6.2   | 11.3       | 11.3  | 11.3  | 8.1              | 3.8   | 6.2   | 9.4              | 6.8   | 8.2   |
| Acupuncture   | 1.8        | <0.1  | 1.0   | 5.4        | 2.3   | 4.0   | 0.9              | 1.7   | 1.3   | 3.1              | 1.2   | 2.2   |
| Acupressure   | 0.7        | <0.1  | 0.4   | <0.1       | 1.0   | 0.5   | 2.0              | <0.1  | 1.1   | 0.6              | 0.4   | 0.5   |
| Massage Therapy   | 23.8       | 12.8  | 18.7  | 17.4       | 17.8  | 17.6  | 4.2              | 3.1   | 3.7   | 18.1             | 13.3  | 15.9  |
| Deep breathing, mindfulness, or other relaxation/meditation technique | 10.4       | 7.1   | 8.9   | 16.1       | 12.7  | 14.5  | 7.9              | 5.2   | 6.7   | 12.2             | 9.1   | 10.7  |
| Guided imagery/visualization techniques                               | 3.1        | <0.1  | 1.7   | 6.5        | 3.8   | 5.2   | 1.2              | <0.1  | 0.7   | 4.1              | 1.5   | 2.9   |
| Yoga  | 11.4       | 2.7   | 7.4   | 14.3       | 8.2   | 11.4  | 5.8              | <0.1  | 3.2   | 11.6             | 4.5   | 8.3   |
| Tai Chi, Chi Gong, other movement therapy                             | 0.9        | <0.1  | 0.5   | 2.0        | 1.4   | 1.7   | 1.8              | 0.2   | 1.1   | 1.5              | 0.6   | 1.1   |
| Body work (e.g., Feldenkreis)   | <0.1       | <0.1  | <0.1  | <0.1       | <0.1  | <0.1  | 1.2              | <0.1  | 0.7   | 0.2              | <0.1  | 0.1   |
| Herbal medicine/herbal supplement                                     | 1.8        | 1.6   | 1.7   | 4.8        | 6.5   | 5.6   | 6.3              | 4.8   | 5.6   | 3.7              | 4.1   | 3.9   |
| Chinese, Indian, or Native American medicines                         | <0.1       | <0.1  | <0.1  | 1.0        | <0.1  | 0.5   | <0.1             | 0.2   | 0.1   | 0.4              | <0.1  | 0.2   |
| Megavitamin/high dose vitamin therapy                                 | <0.1       | <0.1  | <0.1  | 1.6        | 2.6   | 2.1   | 0.6              | 0.8   | 0.7   | 0.7              | 1.2   | 0.9   |
| Homeopathic medicine  | 1.6        | <0.1  | 0.9   | 0.5        | 0.5   | 0.5   | <0.1             | 1.1   | 0.5   | 0.9              | 0.4   | 0.7   |
| Very low fat diet (Ornish, Pritikin, etc.)                            | 2.8        | 4.4   | 3.5   | 3.9        | 0.8   | 2.4   | 3.5              | 1.0   | 2.3   | 3.3              | 2.4   | 2.9   |
| Very low carb diet  | 5.9        | 6.5   | 6.2   | 7.2        | 2.9   | 5.1   | 4.0              | 0.7   | 2.5   | 6.1              | 4.1   | 5.2   |
| Prayer or spiritual practice  | 15.5       | 12.3  | 14.0  | 29.7       | 15.7  | 23.0  | 27.8             | 17.6  | 23.2  | 23.0             | 14.5  | 19.0  |
| Religious/spiritual healing by others                                 | 3.5        | 1.1   | 2.4   | 2.0        | 1.5   | 1.8   | 4.0              | 5.0   | 4.5   | 3.0              | 1.9   | 2.5   |
| Psychological counseling  | 6.6        | 1.7   | 4.3   | 6.5        | 1.4   | 4.0   | 2.1              | 1.3   | 1.7   | 5.8              | 1.5   | 3.8   |
| 12-Step/Self-help Program   | 1.6        | 3.3   | 2.4   | 1.1        | 0.8   | 1.0   | <0.1             | 1.7   | 0.8   | 1.2              | 2.1   | 1.6   |

<sup>1</sup> From the 2011 Division of Research Member Health Survey, a random sample survey of Health Plan members aged 20 and over conducted in Spring 2011. Estimates for this table are based on data from respondents aged  $\geq 20$ , weighted to the age-, gender-, and geographic distribution of the Health Plan membership in final quarter of 2010.

Table 7. Access to the Internet and Digital Tools Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Access to IT/Digital Tools           | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|--------------------------------------|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|                                      | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| Mobile phone (cell or smart phone)   | 98.3       | 90.8  | 95.0  | 93.1       | 91.7  | 92.4  | 68.4             | 70.8  | 69.4  | 91.5             | 88.2  | 90.0  |
| Text messages                        | 96.7       | 86.2  | 91.9  | 81.0       | 78.3  | 79.7  | 34.4             | 37.0  | 35.6  | 81.0             | 75.7  | 78.5  |
| Computer (desktop, laptop, net book) |            |       |       |            |       |       |                  |       |       |                  |       |       |
| From any location                    | 98.2       | 97.1  | 97.7  | 96.4       | 93.4  | 95.0  | 73.5             | 83.0  | 77.7  | 93.4             | 93.4  | 93.4  |
| At home                              | 94.8       | 95.4  | 95.1  | 92.9       | 90.7  | 91.8  | 68.7             | 78.1  | 72.8  | 89.8             | 90.8  | 90.2  |
| Able to use the Internet             |            |       |       |            |       |       |                  |       |       |                  |       |       |
| From any location                    | 99.3       | 98.3  | 98.8  | 96.4       | 93.4  | 95.0  | 75.7             | 85.7  | 80.2  | 94.3             | 94.3  | 94.3  |
| At home                              | 95.6       | 95.4  | 95.5  | 93.0       | 89.1  | 91.1  | 59.9             | 72.3  | 65.4  | 88.8             | 89.2  | 89.0  |
| Requires help to use                 | <0.1       | <0.1  | <0.1  | 4.3        | 4.8   | 4.6   | 16.0             | 15.4  | 15.8  | 4.3              | 4.4   | 4.3   |
| Able to send/receive email           |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Requires help to use                 | <0.1       | <0.1  | <0.1  | 2.5        | 5.9   | 4.2   | 15.2             | 14.5  | 14.9  | 3.5              | 4.8   | 4.0   |

<sup>1</sup> From the 2011 Division of Research Member Health Survey, a random sample survey of Health Plan members aged 20 and over conducted in Spring 2011. Estimates for this table are based on data from respondents aged  $\geq 20$ , weighted to the age-, gender-, and geographic distribution of the Health Plan membership in final quarter of 2010.

Table 8. Use of Internet/Digital Health Information Sources in the Prior 12 Months Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Accessed Internet-based Health Information in Past 12 mos.   | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|--|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|  | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| Got health information from kp.org or other websites (based single item)   | 42.8       | 22.5  | 33.7  | 41.3       | 31.4  | 36.5  | 23.5             | 21.1  | 22.4  | 39.0             | 26.0  | 33.0  |
| Got health information from any website or the following kp.org sources: MD home page, Health or Drug Encyclopedia, online patient education program | 53.4       | 31.5  | 43.5  | 51.9       | 44.6  | 48.4  | 31.3             | 37.5  | 34.1  | 49.2             | 37.9  | 44.0  |
| Used kp.org Health or Drug Encyclopedia  | 14.8       | 5.4   | 10.6  | 24.6       | 9.8   | 17.5  | 15.8             | 10.7  | 13.5  | 18.7             | 8.1   | 13.8  |
| Used any online kp.org health/patient education program  | 10.2       | 6.0   | 8.3   | 16.1       | 3.9   | 10.2  | 5.0              | 9.2   | 6.9   | 11.6             | 5.6   | 8.8   |
| Got health information from MD home page on kp.org   | 26.4       | 14.2  | 20.9  | 25.4       | 23.0  | 24.2  | 13.0             | 25.8  | 18.7  | 23.8             | 19.7  | 21.9  |
| Used kp.org website secure features (lab results, Rx refill, clinician messaging)  | 68.6       | 49.0  | 59.8  | 67.1       | 53.3  | 60.5  | 45.0             | 48.6  | 46.6  | 64.1             | 50.7  | 57.9  |
| Used at least one kp.org health information source or kp.org secure feature  | 70.5       | 50.1  | 61.3  | 68.2       | 57.6  | 63.1  | 45.8             | 50.8  | 48.0  | 65.5             | 53.3  | 59.9  |
| <b>Accessed Other KP Health Ed Resources in Past 12 mos.</b>   |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Any individual or group health education program   | 8.4        | 5.2   | 7.0   | 10.9       | 9.9   | 10.4  | 7.1              | 7.0   | 7.1   | 9.2              | 7.4   | 8.4   |
| Health Education Center or Resource Desk   | 7.2        | 6.3   | 6.8   | 17.1       | 4.7   | 11.1  | 10.2             | 8.9   | 9.6   | 11.5             | 6.0   | 9.0   |
| Individual health behavior counseling  | 2.0        | <0.1  | 1.1   | 4.4        | 5.0   | 4.7   | 7.6              | 7.3   | 7.4   | 3.8              | 3.2   | 3.6   |
| Read a member newsletter   | 26.5       | 16.6  | 22.0  | 47.2       | 30.4  | 39.1  | 53.0             | 55.9  | 54.3  | 38.8             | 28.4  | 34.0  |
| Used print health education materials or DVDs  | 15.5       | 11.1  | 13.5  | 20.2       | 21.3  | 20.7  | 17.3             | 19.9  | 18.5  | 17.6             | 16.7  | 17.2  |

<sup>1</sup> From the 2011 Division of Research Member Health Survey, a random sample survey of Health Plan members aged 20 and over conducted in Spring 2011. Estimates for this table are based on data from respondents aged  $\geq 20$ , weighted to the age-, gender-, and geographic distribution of the Health Plan membership in final quarter of 2010.

Table 9. Preferred Methods for Learning About How to Take Care of Health Problems and Improve Health Among Members Aged 20 and Over in the Antioch Medical Center Service Population, Kaiser Permanente Northern California Member Health Survey, Spring 2011<sup>1</sup>

| Preferred Methods for Learning About Health      | Ages 20-44 |       |       | Ages 45-64 |       |       | Ages 65 and Over |       |       | Ages 20 and Over |       |       |
|--|------------|-------|-------|------------|-------|-------|------------------|-------|-------|------------------|-------|-------|
|  | Women %    | Men % | All % | Women %    | Men % | All % | Women %          | Men % | All % | Women %          | Men % | All % |
| <b>Internet-based Modalities</b>                 |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Information from Internet websites               | 41.0       | 25.5  | 34.0  | 30.3       | 27.7  | 29.1  | 13.8             | 20.1  | 16.6  | 32.4             | 25.6  | 29.3  |
| Information from MD home page                    | 31.3       | 20.4  | 26.4  | 30.0       | 23.3  | 26.8  | 19.0             | 20.4  | 19.6  | 28.7             | 21.6  | 25.5  |
| Web/Email-based programs:                        |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Single session                                   | 15.4       | 6.2   | 11.3  | 15.2       | 8.9   | 12.2  | 2.4              | 4.1   | 3.1   | 13.2             | 7.0   | 10.3  |
| Multi-session                                    | 10.4       | 3.4   | 7.2   | 9.6        | 3.6   | 6.7   | 1.2              | 3.7   | 2.3   | 8.5              | 3.5   | 6.2   |
| Watch live webinars/talks on kp.org              | 13.0       | 12.1  | 12.6  | 9.3        | 12.0  | 10.6  | 5.5              | 3.3   | 4.5   | 10.3             | 10.7  | 10.5  |
| Watch health videos on kp.org or other websites  | 17.1       | 10.8  | 14.2  | 15.8       | 16.6  | 16.2  | 9.7              | 8.5   | 9.2   | 15.4             | 12.8  | 14.2  |
| Podcasts and online audio programs               | 10.3       | 10.3  | 10.3  | 6.4        | 4.0   | 5.3   | 0.9              | <0.1  | 0.5   | 7.2              | 6.1   | 6.7   |
| Emailed health newsletters and tip sheets        | 30.9       | 15.4  | 23.9  | 24.5       | 23.6  | 24.1  | 23.9             | 25.4  | 24.6  | 27.3             | 20.4  | 24.1  |
| Secure email communication                       | 41.7       | 28.7  | 35.9  | 24.1       | 24.2  | 24.1  | 13.2             | 18.6  | 15.6  | 30.3             | 25.3  | 28.0  |
| Text messages                                    | 18.9       | 5.7   | 13.0  | 13.0       | 7.8   | 10.5  | 4.3              | 2.2   | 3.3   | 14.2             | 6.0   | 10.4  |
| Interactive computer program                     | 22.6       | 25.9  | 24.1  | 20.3       | 14.7  | 17.6  | 6.1              | 4.3   | 5.3   | 19.0             | 17.9  | 18.5  |
| <b>Other Modalities</b>                          |            |       |       |            |       |       |                  |       |       |                  |       |       |
| Individual counseling                            | 27.4       | 26.1  | 26.8  | 28.9       | 34.5  | 31.6  | 22.0             | 18.6  | 20.5  | 27.1             | 28.4  | 27.7  |
| Brief individual telephone counseling sessions   | 24.3       | 19.8  | 22.3  | 30.7       | 27.4  | 29.1  | 20.7             | 19.6  | 20.2  | 26.1             | 22.9  | 24.7  |
| Small group appointments                         | 9.6        | 6.3   | 8.1   | 13.1       | 7.4   | 10.4  | 7.2              | 7.1   | 7.2   | 10.5             | 6.9   | 8.9   |
| One session workshop                             | 13.4       | 4.8   | 9.5   | 17.4       | 12.0  | 14.8  | 8.4              | 5.7   | 7.2   | 14.1             | 7.9   | 11.2  |
| Multi-session in person class/group              | 9.0        | 3.5   | 6.5   | 10.3       | 11.7  | 11.0  | 9.3              | 5.2   | 7.4   | 9.6              | 7.1   | 8.4   |
| Multi-session phone-in group program             | 4.6        | 1.1   | 3.0   | 1.1        | 1.8   | 1.4   | 0.9              | 1.6   | 1.2   | 2.6              | 1.5   | 2.1   |
| Watch DVDs at home                               | 8.8        | 4.6   | 6.9   | 13.3       | 12.1  | 12.7  | 9.5              | 9.4   | 9.4   | 10.6             | 8.4   | 9.6   |
| Health newsletters and tip sheets mailed to home | 13.3       | 7.7   | 10.8  | 20.2       | 17.3  | 18.8  | 43.0             | 34.0  | 39.0  | 20.9             | 15.8  | 18.5  |



<sup>1</sup> From the 2011 Division of Research Member Health Survey, a random sample survey of Health Plan members aged 20 and over conducted in Spring 2011. Estimates for this table are based on data from respondents aged  $\geq 20$ , weighted to the age-, gender-, and geographic distribution of the Health Plan membership in final quarter of 2010.