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# Assessment of the <br> Initial Phase of the <br> Train the Trainer <br> Project Using the <br> Helping You Take Care of Yourself Curriculum 

Interim Report
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## CONTENTS

Section Page
Introduction .....  1
Methods ..... 3
Data Collection and Entry ..... 3
Data Cleaning ..... 4
Data Analysis ..... 6
Results, Discussion, and Lessons Learned ..... 7
Key Findings ..... 7
Discussion of Lessons Learned About the Project Implementation Process ..... 11
Limitations of the Analysis ..... 12
Conclusion ..... 13
REFERENCES ..... 14
Appendix A: Data Collection Forms ..... A. 1
Appendix B: Data Recoding Decisions ..... B. 1
Appendix C: Pre- and Posttest Knowledge by Question and by Age, Race/Ethnicity, and Education ..... C. 1
Appendix D: Demographic Characteristics of the Population Served, by Unit of the Curriculum ..... D. 1

## TABLES

Table Page
1 Demographic Characteristics of the Population Served ..... 17
2 Demographic Characteristics of the Population Served, by Region of Training ..... 18
3 Receipt of Mammograms Among Population Served, by Demographic Characteristics ..... 20
4 Receipt of Pap Smears Among Population Served, by Demographic CHARACTERISTICS ..... 21
5 Breast and Cervical Health Knowledge on the Pre- and Posttests, by Demographic Characteristics. ..... 22
6 Breast and Cervical Health Knowledge, by Pre- and Posttest QUESTION ..... 23
7 Summary of Responses to Evaluation Questions ..... 24

## FIGURES

Figure
Page

1 Number of Women Educated by Each Unit of the Curriculum ................... 16

# ASSESSMENTOFTHE INITIAL PHASE OF THETRAIN THE TRAINER PROJECT USING THE HELPING YOU TAKE CARE OF YOURSELF CURRICULUM 

## INTRODUCTION

Breast and cervical cancer cause significant morbidity and mortality among women in the United States. Breast cancer is the second most common type of cancer diagnosed among women, exceeded only by skin cancer. In 2004, the breast cancer incidence rate was 117.7 per 100,000 women, and the mortality rate was 24.4 per 100,000. Although less prevalent than breast cancer, cervical cancer is also a significant health problem for women. In 2004, the cervical cancer incidence rate was 7.9 per 100,000 women, and the mortality rate was 2.4 per 100,000 women (U.S. Cancer Statistics Working Group 2007).

Research has shown that regular screenings for both breast and cervical cancers can lead to early detection, which significantly reduces mortality. The American College of Obstetrics and Gynecology (ACOG) recommends that women ages 40 to 49 have a mammogram every one to two years and women ages 50 and older have one annually. Routine screening with mammography is recommended to begin at earlier ages for women with certain risk factors (ACOG 2008). ACOG recommends that annual screening for cervical cancer using a Pap smear begin within three years after beginning sexual relations or at age 21, whichever comes first (ACOG 2003). Annual screening should continue until a woman is at least 30. Screening can typically be done every two to three years after age 30 if a woman has had three negative Pap tests in a row.

To make screening for breast and cervical cancer widely available and reduce morbidity and mortality, the U.S. Congress has passed various pieces of legislation authorizing the development of programs aimed at prevention, screening, and early detection. For instance, the Breast and Cervical Cancer Mortality Prevention Act of 1990 (Public Law 101-354) led
to the establishment of the National Breast and Cervical Cancer Early Detection Program (NBCCEDP), which is run by the Centers for Disease Control and Prevention (CDC). The program offers screenings, diagnostic services, surgical consultations, and referrals for treatment for breast and cervical cancers in every state, the District of Columbia, and five U.S. territories and for 12 American Indian/Alaska Native tribes or tribal organizations. Services are provided to uninsured and underinsured women whose earnings are at or below 250 percent of the federal poverty level; services are provided to women ages 40 to 64 for breast screening and to women ages 18 to 64 for cervical screening (CDC 2008). ${ }^{1}$ To ensure that women receive appropriate treatment when cancer is detected, Congress passed the Breast and Cervical Cancer Prevention and Treatment Act in 2000. The act gives states the option of offering women enrolled in the NBCCEDP access to treatment through Medicaid. All states and the District of Columbia have exercised this option (CDC 2007).

The Massachusetts Department of Public Health (MDPH) operates its BCCEDP through the Women's Health Network (WHN). In addition to clinical services, the WHN provides health education to the community through their Outreach and Education Team. The team consists of six Regional Community Outreach Specialists located in each one of the MA Executive Office of Health and Human Service Regions and is overseen by MDPH's Director of Community Services. The Helping You Take Care of Yourself curriculum developed in 2006 by the Outreach and Education team and Director is one type of education the WHN uses. The curriculum has breast and cervical health units and was designed as a "train the trainer model," whereby WHN Outreach and Education staff train community members and community health workers with the intention that they will then educate other women in the community about the issues presented. ${ }^{2}$ Each unit of the curriculum consists of PowerPoint presentations, flip charts, and models and has been translated into Spanish, Portuguese, and Khmer. The topics covered in the breast and the cervical health units are listed here:

## Breast Health Unit Topics

- Breast anatomy
- What is breast cancer
- Benign conditions of breast cancer
- Risk factors for breast cancer
- Warning signs of breast cancer
- Breast cancer detection methods


## Cervical Health Unit Topics

- Female reproductive anatomy
- What is cervical cancer
- What is Human Papilloma Virus (HPV)
- Risk factors for HPV and cervical cancer
- Pap test
- HPV test

[^0]To expand the reach of the Helping You Take Care of Yourself curriculum beyond women whom WHN staff could educate, WHN sought to train community-based organization (CBO) staff who would in turn educate women in their communities using the curriculum. In 2007, WHN contracted with Mathematica Policy Research, Inc. (MPR) to administer funds to 21 CBOs to carry out this education. ${ }^{3}$ The WHN Outreach and Education team selected the organizations based on expertise with WHN-designated target populations and worked with them to identify the target number of women to educate. The Community Outreach Specialists held day-long sessions in their regions to train CBO staff to use the curriculum and provided technical assistance to the CBOs throughout the length of the project. MPR developed memoranda of understanding (MOUs) with each CBO that described the project and outlined expectations for participation. The MOUs stated that organizations would be paid $\$ 30$ per unit (breast or cervical health) for each woman who was educated. Organizations were able to choose whether to educate women in one unit or both units of the curriculum. If organizations opted to educate women in two units, the education could be conducted in one educational session or in two separate educational sessions.

The MOUs also outlined requirements for payment. Specifically, CBOs were asked to collect data from each woman educated using four standardized forms and to submit the forms to MPR by a specified date. At the beginning of each educational session, women were asked to fill out (1) a demographic form and (2) a pretest of their knowledge of breast and/or cervical health. After completing the educational session(s), they were asked to fill out (3) a posttest that was identical to the pretest and (4) an evaluation form of the education received. Copies of the four forms are included in Appendix A.

MPR analyzed the data submitted on the forms to describe the population served, assess the women's breast and cervical cancer screening health behaviors, determine baseline knowledge on breast and cervical health, assess whether the educational sessions improved knowledge, and assess satisfaction with the education. This report summarizes findings from the data received during the initial phase of the project, February through June 2007. An overarching goal of this report is to identify ways to improve the project before it is expanded further. The report is organized in the following sections: Methods: Data Collection and Entry, Data Cleaning, and Data Analysis; Results, Discussion, and Lessons Learned; and Conclusion.

## Methods

## Data Collection and Entry

[^1]The 21 CBOs submitted data forms for a total of 872 women who were educated during 96 educational sessions. Data submitted were reviewed for completeness, and organizations were paid for the number of women with complete sets of forms (demographic form, pretest, posttest, and evaluation form). Data were entered into a Microsoft Access database and analyzed using SAS version 9.0. ${ }^{4}$ Demographic, pretest, and posttest forms were linked by a unique identification number. Although the evaluation forms during the initial phase of the project contained the same unique identification number as the other three forms, the evaluation forms were linked only to the educational session in the database, not to the individual so as to keep these responses anonymous. This decision is explained in greater detail in the "Results, Discussion, and Lessons Learned" section of this report.

Responses were entered exactly as they appeared on the forms received. For example, participants occasionally answered questions that should have been skipped based on a response to a previous question. In these cases, the response indicated by the participant was entered. If a participant marked more than one answer (with the exception of the question on race) or if we were unable to determine the response selected by a participant, the response was coded as "missing." If more than one response was selected for the question on race, the full response was entered under the "Race Other" category. Occasionally, in addition to or instead of checking one of the boxes, respondents wrote responses in the margin for the questions on race and education. In these cases, written responses were entered in the "Race Other" or "Grade Specify" data entry fields for the race and education questions, respectively.

A small number of participants put an " X " or a line through the words "true" or "false" on the pretest and posttest forms. Because translations on these forms differed slightly depending on the language of the form, our coding decisions differed. Respondents using Spanish or Portuguese forms were instructed to "mark" the words "true" or "false" to indicate their responses, whereas respondents using forms in English or Khmer were instructed to "circle" the words "true" or "false." Responses on Spanish and Portuguese forms with an " X " or line through them were coded as if the answers had been circled based on the recommendation of native speakers of these languages and an MPR survey specialist. Although extremely rare, the same responses were typically coded as "missing" on English and Khmer forms, because it was unclear whether the word crossed out was intended to be the correct response or whether the word remaining was intended to be the correct response. The exception to coding them as "missing" on English and Khmer forms was if participants marked the checkboxes on their demographic forms or evaluation in the same way (using an " X " or a line). In these few cases, it was assumed that the " X " or line indicated the intended response on the pre- and posttests.

## Data Cleaning

[^2]Two SAS data sets were created from the Access database: (1) an education data set containing information on the educational session attended, demographic sheet responses, pretest responses, and posttest responses for each woman educated and (2) an evaluation data set containing information on the educational session attended and responses to the evaluation forms for each woman educated.

The data sets were then checked for duplicates. If women appeared more than once for the same unit of the curriculum (breast or cervical cancer), we kept only the entry from the earlier educational session. To identify duplicates, last names, first names, birth dates, and city of residence were used. A total of four women were identified as having completed the same unit more than once.

The next step in data cleaning was to reclassify participant age. Participants were asked to provide their date of birth and to check whether their age was (1) under 40, (2) 41 to 64, or (3) 65 and over. Age was calculated by subtracting the participant's date of birth from the date of the educational session. We then ensured that this calculation was consistent with the age that had been checked. For the small number of discrepancies that existed, we assumed that the calculation of age based on the participant's date of birth was correct.

The next data-cleaning step involved making decisions about skip patterns not addressed when data were entered. There were four incidences of skip patterns on the demographic form, on which participants should have skipped a question based on their response to a previous question. For example, if a participant responded "no" to the question, "Have you ever had a mammogram?" she should have skipped the question, "If yes, when was your most recent mammogram?" Refer to Appendix B for decisions made on recoding responses when skip patterns were not followed.

Responses that were written in were addressed next in the data-cleaning process. Education level was one question that required recoding in this step. Participants were asked to specify their highest level of education attained. Response choices included a grade level, high school, a training program, and college. However, as noted earlier, some participants wrote in responses to this question. A number of women wrote in "GED." Other women noted that they had completed "some" college or one, two, or three years of college. Based on these written responses, we created a new education variable with the following categories: a grade level, high school degree or equivalent, a training program, and all or some college. Those writing "GED" were coded as completing a high school degree or equivalent. Those reporting that they completed some college were coded as all or some college. In addition, a few participants who filled out forms in Portuguese checked off the response "grade" for their highest level of education attained and wrote in either " $1^{\circ}$," " $2^{\circ}$ ", " $3^{\circ}$ ", or " $4^{\circ "}$ " in the "grade specify" field. A native Portuguese speaker was consulted, and we learned that " 1 "" indicates that the participant completed middle school, " 2 "" indicates that the participant completed high school, " 3 "" indicates that the participant completed her third year of college, and " 4 "" indicates that the participant completed college. Answers were recoded as appropriate.

Race and ethnicity questions on the demographic form also required recoding. Participants were asked whether they were of Hispanic or Latino origin and how they
describe their race. Response choices for the question on race were (1) white, (2) black/African American/Negro, (3) Asian, (4) Native Hawaiian or other Pacific Islander, (5) Native American/Alaskan Native, and (6) refused. A combined race/ethnicity variable was created based on the responses to these two questions. Participants of any race who reported that they were of Hispanic or Latino origin were classified as Hispanic. ${ }^{5}$ Other participants were classified as white, black, Asian, other, and refused based on their responses to the race question. The "other" category included respondents who checked off Native Hawaiian or other Pacific Islander or Native American/Alaskan Native. It also included those reporting being of mixed race (those who checked off more than one race or those who wrote in that they were of mixed race).

## Data Analysis

Once data cleaning was complete, data were analyzed in three steps. First, data from the demographic forms were analyzed to gain an understanding of the population served by the program. Then, analysis focused on the changes in knowledge before and after the educational sessions. Finally, we examined satisfaction with the education.

Population Served. To gain a basic understanding of the population served by the curriculum, straight frequencies of the demographic data were run, including participants' age, city/town of residence, country of birth, length of time in the United States, race/ethnicity, language spoken most often at home, education, job, and health insurance status. Data were then analyzed by region of the state to determine whether differences existed.

Note that 11 women were educated in two units of the curriculum at two different educational sessions. Demographic data were thus entered twice for these women. So as not to double count them, we removed one set of demographic data for them during data analysis.

Health Behaviors. The analysis also included responses to questions on participants' health behaviors related to screening for breast and cervical cancer. Participants were asked if they had ever had a mammogram. If a participant answered "yes," she was asked when her most recent mammogram occurred. Response choices included "less than one year ago," "one to three years ago," "four to five years ago," and "more than five years ago." The same questions were asked regarding Pap smears. Frequencies on these health behavior questions were run first and then cross-tabs with select demographic variables (age, race/ethnicity, health insurance status, and education) were run to determine whether behaviors varied by demographic group. Chi-squared tests were used to assess the significance of differences.

[^3]Knowledge of Breast Health and Cervical Health. To assess knowledge of breast and cervical health before and after the educational sessions, responses on the pre- and posttests were examined. The pre- and posttests for both the breast and cervical health units contained five questions each. (Refer to Appendix A for copies of the pre- and posttests). Each test was scored on a five-point scale for which a score of 0 indicates that the participant responded incorrectly to all test questions and a score of 5 indicates that the participant responded correctly to all test questions. To determine whether knowledge changed as a result of attending the educational session, average pre- and posttest scores were calculated for all participants. Additionally, the percentage of participants who increased their scores between the pre- and posttests was calculated. Paired t-tests were used to assess the significance of the change among those who took both the pre- and posttests. Calculations were then stratified by age, race/ethnicity, and education. In order to assess which questions were the most difficult for participants both before and after the educational sessions, the percentage of participants who correctly answered each pre- and posttest question was calculated. The percentage change in correct answers between the pre- and posttests was also determined. Finally, analysis was stratified by age, race/ethnicity, and education to determine whether variation existed by group. This stratified analysis is shown in Appendix C.

Satisfaction with the Education. Participant satisfaction with the education was analyzed by examining responses to the brief evaluation form that participants filled out at the end of the educational sessions. On the evaluation form, participants were asked whether they would recommend the session to family members or friends. Then, participants were asked to rate the session and the group leader. Response choices for these two questions were "poor," "fair," "average," "good," and "excellent." Finally, participants were asked to write in their ideas for improving the sessions. To assess participant satisfaction with the education, frequencies on the three evaluation questions were run and responses to the open-ended question on recommendations for improvement were reviewed.

## Results, Discussion, and Lessons Learned

During this initial phase of the project, a total of 872 women were reached by the curriculum in all six regions of Massachusetts. Data collected during these educational sessions suggest that (1) the curriculum reached a diverse population, (2) the population educated by the curriculum was less likely than the overall Massachusetts population to have received mammograms and Pap smears within the last year, (3) the curriculum was effective at increasing breast and cervical health knowledge, and (4) those educated were satisfied with the education they received. This section discusses these key findings in greater detail. Then, because the curriculum is in an early stage of development, the key lessons learned during implementation are discussed. Finally, the limitations of the analysis are presented.

## Key Findings

Population Served. Figure 1 displays the number of women educated by each unit of the Helping You Take Care of Yourself curriculum, and Table 1 shows the characteristics of the
population served. ${ }^{6}$ There were 1467 participants ( 872 unique women) educated using the Helping You Take Care of Yourself curriculum during 96 educational sessions; those educated represented an extremely diverse population. Specifically, 595 women were educated in both breast and cervical health units, 203 women in breast health only, and 74 women in cervical health only. Participants ranged from ages 10 to $91 .^{7}$ This wide age range suggests that women may have attended the sessions with family members, perhaps children and mothers. ${ }^{8}$ The race/ethnicity breakdown of the population educated was as follows: Hispanic or Latina ( 46 percent), Asian ( 18 percent), white ( 18 percent), black ( 6 percent), and other ( 1 percent). Notably, the majority of participants were not born in the United States ( 73 percent). However, most of the foreign-born participants ( 73 percent) had been in the United States for more than five years. About half ( 45 percent) of the women educated completed forms in English, ${ }^{9} 37$ percent completed the forms in Spanish, 14 percent in Portuguese, and 5 percent in Khmer. The highest level of education attained by participants varied considerably with about one-third not completing high school, one-third with a high school degree or equivalent, and one-fourth completing some or all of a college degree. Another 7 percent had completed a training program. The majority of women (82 percent) reported having health insurance; 16 percent reported having no insurance.

Women were educated using the Helping You Take Care of Yourself curriculum in all six regions of Massachusetts (Boston, Central, Metrowest, Northeast, Southeast, and West). Table 2 shows the demographic characteristics of the women who attended educational sessions by region of the session. The number of women educated in each region ranged from 105 in the Metrowest region to 227 in the Northeast region. Significant variation in the characteristics of the population educated existed across regions of the state. For example, the population educated in the Southeast and Western regions tended to be slightly older than those educated in other regions. The Southeast region educated the highest proportion of whites ( 57 percent), and the Boston region educated the highest proportion of blacks (21 percent). The Central region educated the highest proportion of Asians (39 percent), and the Western region educated the highest proportion of Hispanics ( 69 percent). The Metrowest region had the lowest proportion of participants who were born in the

[^4]United States (4 percent), and the Southeast region had the highest ( 45 percent). The Central region had the highest percentage of women completing the forms in English (63 percent), the Western region had the highest percentage of women completing the forms in Spanish ( 64 percent), and the Metrowest region had the highest percentage of women completing the forms in Portuguese ( 34 percent). The Northeast region accounted for all women completing forms in Khmer. The percentage of participants with a high school degree or equivalent or higher (including a training program) ranged from 52 percent in the Boston region to 76 percent in the Southeast region. Finally, the percentage of participants who reported having health insurance ranged from 70 percent in the Northeast region to 92 percent in the Western region. These differences could indicate inherent differences that exist in the state by region. For example, it is known that the Northeast region of Massachusetts has a large Cambodian population. This could account for the higher percentage of women educated in Khmer in that region. However, some differences across regions may also result from the selection of organizations participating in the curriculum. For example, regions with an organization geared toward Hispanic or Latina women may show a higher proportion of Hispanics than do other regions.

Health Behaviors. Table 3 displays the findings related to participants' receipt of mammograms. Among participants ages 40 and older, 52 percent reported having received a mammogram within the past year, and 14 percent reported never having received a mammogram. By comparison, CDC's Behavioral Risk Factor Surveillance System (BRFSS) shows that 71 percent of women ages 40 and older in Massachusetts received a mammogram within the past year, and 5 percent had never received a mammogram (CDC 2006). This comparison shows that those educated by the Helping You Take Care of Yourself curriculum were less likely to have received mammograms within the recommended time frame of one year and more likely to have never received mammograms than were women of the same age in Massachusetts. Based on the results of chi-squared tests, significant differences in the receipt of mammograms existed across age groups and between women with and without health insurance. In comparison with the age 65 and older population, participants ages 40 to 64 appeared to be more likely to never have received mammograms and slightly less likely to have received mammograms in the past year. In addition, those without health insurance were less likely to have received mammograms in the past year ( 25 percent compared to 57 percent) and more likely to have never received a mammogram ( 40 percent compared to 10 percent) than were those with health insurance. Receipt of mammograms did not vary significantly among those in different education groups. Finally, the chi-squared test revealed that receipt of mammograms varied significantly by race/ethnicity; however, the test may not be valid because of the small sample sizes in a number of cells.

Table 4 presents information related to the receipt of Pap smears. Fifty-one percent of participants reported having received a Pap smear within one year, and 14 percent reported never having received a Pap smear. In comparison, BRFSS data show that 65 percent of women ages 18 and older in Massachusetts received a Pap smear within the past
year, and 6 percent had never received a Pap smear (CDC 2006). ${ }^{10}$ The population educated by the Helping You Take Care of Yourself curriculum was less likely to have received Pap smears within the past year and more likely to never have received Pap smears. Based on the results of chi-squared tests, there were significant differences in the receipt of Pap smears by age, race/ethnicity, health insurance status, and education. Participants ages 65 and older appeared to be less likely than those less than age 40 to have received a Pap smear within the past year. Asians were less likely than the other racial/ethnic groups to have received Pap smears in the past year and more likely to never have received Pap smears. In contrast, blacks and Hispanics appeared to be more likely than the other racial/ethnic groups to have received a Pap smear within the past year. Those without health insurance were less likely to have received Pap smears in the past year ( 31 percent compared to 55 percent) and more likely to have never received a Pap smear ( 24 percent compared to 12 percent) than were those with insurance. Participants who had completed a high school degree or equivalent or less than a high school degree were less likely than those who had completed some or all college to have received a Pap smear in the past year and more likely to never have received a Pap smear, although we did not test to see if this effect is independent of age.

Knowledge of Breast and Cervical Health. Our results show that participant knowledge increased significantly after attending an educational session on both the breast and cervical health units of the Helping You Take Care of Yourselfcurriculum (Table 5). After the educational session on breast health, average scores increased from 3.8 to 4.5 on a five-point scale, a statistically significant increase based on a paired t-test ( p -value $<0.01$ ). Between the pre- and posttests, 49 percent of participants increased their scores on the breast health unit. Similarly, for those educated in cervical health, average scores increased from 3.4 to 4.5 on a five-point scale. This increase was also statistically significant using a paired t-test ( p -value $<0.01$ ). Between the pre- and posttests, 68 percent of participants increased their scores on the cervical health unit. Scores increased for both units for participants in all age groups, race/ethnicity groups, and education groups. Notably, average pretest scores on the cervical health unit were lower than average pretest scores on the breast health unit, whereas average posttest scores for both units were the same. This finding suggests that women have lower baseline knowledge of cervical health than they do of breast health, suggesting a greater need for education on cervical health. The increase in scores between the pre- and posttests for both units indicates that the curriculum is effective at increasing knowledge in breast and cervical health at least in the short-term.

Table 6 shows the percentage of participants correctly answering each of the pre- and posttest questions. In general, participants found the pretest for cervical health to be more difficult than the pretest for breast health. The percentage of participants who correctly answered each question increased for all questions in both units of the curriculum after the educational sessions. On the breast health unit, the question most commonly answered incorrectly on both the pretest and the posttest was "You should have a

[^5]clinical breast exam done by a health care provider every 5 years" (correct answer is false). Although this question exhibited the greatest percentage change in correct answers, 21 percent of participants answered it incorrectly on the posttest.

The pretest questions most commonly answered incorrectly on the cervical health unit included: (1) "Women should get their first Pap test at age 21 or 3 years after they become sexually active" (correct answer is true); (2) "Most women have been exposed to the Human Papilloma Virus (HPV)" (correct answer is true); and (3) "Getting a positive HPV test means you have cervical cancer" (correct answer is false). Although knowledge increased for each of these questions after the education, more than 10 percent of posttest participants continued to respond incorrectly to (1) "Women should get their first Pap test at age 21 or 3 years after they become sexually active" (correct answer true); and (2) "Getting a positive HPV test means you have cervical cancer" (correct answer false). A closer examination of posttest questions that participants continued to answer incorrectly on both the breast and cervical units may suggest items that need to be conveyed more clearly during educational sessions.

Satisfaction with the Education. Table 7 shows the results of the participant evaluation of the educational sessions. The vast majority of participants were satisfied with the Helping You Take Care of Yourself curriculum. Specifically, 97 percent of participants said that they would recommend that family members and friends attend the health educational sessions. Moreover, 96 percent of participants rated the health session as either "good" or "excellent," and 97 percent rated their group leader as either "good" or "excellent." Few respondents suggested ideas for program improvement. Many used the space to note that they found the educational session very useful. Some responded that expanding education to other health topics and in more locations would be helpful. Suggestions for program improvement included making the sessions longer, having more visual materials, bringing in speakers (both doctors and women who have experience with breast and/or cervical cancer), and offering food. This overwhelming satisfaction with the educational sessions suggests that women value the education provided and that the curriculum is worth expanding to more women and more health topics.

## Discussion of Lessons Learned About the Project Implementation Process

The Helping You Take Care of Yourself curriculum will be expanded in the future both in terms of the number of individuals reached by the curriculum and the number of health education units included in the curriculum. As a result, a closer look at the process of implementation at this stage may help identify areas for improvement. Next, we discuss the lessons learned to date related to our agreements with the organizations and the data forms, as well as the implications the lessons have for project expansion.

Agreements with Organizations. Although MPR contracted with 21 organizations during the initial phase of the project, only 18 fully participated and 3 did not participate. Of the 3 organizations that did not participate, one was unable to conduct any educational sessions. Although the trainers at this organization seemed excited about the curriculum, they did not schedule any sessions. Anecdotal information suggests that having time to recruit women was an issue. The second organization sent its forms to MDPH instead of to

MPR. MDPH staff noticed that the submitted forms had all been filled out in the same handwriting. After further investigation, MDPH determined that the forms had been falsified by the organization. To prevent similar issues from occurring in the future, requirements have been added to the memoranda of understanding with organizations that require (1) one-week advance notice of educational sessions so that MDPH can drop in if it chooses and (2) submission of sign-in sheets with participants' phone numbers so the MDPH can confirm participation in the educational sessions. The third organization conducted breast and cervical health educational sessions with nine women who were not fluent in any of the languages into which the curriculum was translated. Ad hoc translations of the materials were used for this training. The women were low-literacy and had difficulty filling out the pre- and posttests. We paid this organization for educating these nine women, and we entered the data available from these sessions into the database. However, we did not include the nine women in any of the analyses in this report. It is possible that other ad hoc translations occurred that we were not aware of. It is also possible that illiterate or lowliteracy women participated and were given help completing forms. The extent to which these occurred will be examined more fully in a qualitative process evaluation that MPR is conducting.

Some organizations were unable to reach the number of women outlined in their agreements, whereas other organizations exceeded their targets. ${ }^{11}$ Anecdotal information suggests that organizations may have struggled with the timing and relatively short length of the project. Lengthening the funding period so that organizations have more time to schedule sessions and plan them around their existing calendars or national health months could increase the number of CBOs that reach their targets.

Data Forms. During the initial phase of the project, a few problems with the data forms were identified. For example, the question asking participants' age on the demographic form had response choices of "under 40," "41 to 64," and "65 and over." These categories do not include age 40 and will be fixed in the future. In addition, more than a third of participants refused to answer the question on race. Revising the response options may be considered to improve response rates for this question. Space could also be added for participants to write in their race if it is not captured by the categories. As noted earlier, a small number of participants put an "X" or a line through the words "true" or "false" on the pretest and posttest forms. Respondents using Spanish or Portuguese forms were instructed to "mark" the words "true" or "false" to indicate their responses on these forms, whereas respondents using forms in English or Khmer were instructed to "circle" the words "true" and "false." As a result, responses on Spanish and Portuguese forms with an " X " or line through them were coded as if the answers had been circled. The same responses were typically coded as "missing" on English and Khmer forms. To minimize confusion in the future, check boxes next to the words "true" and "false" will be added to the pre- and posttest forms.

[^6]
## Limitations of the Analysis

The findings presented in this report suggest that knowledge increased substantially between pre- and posttests; however, we are unable to assess whether knowledge was retained in the longer term or if it influenced behavior (for example, did women get a mammogram after attending the education?). As part of the expansion of the Helping You Take Care of Yourself curriculum in 2008, MDPH contracted with MPR to conduct focus groups with women educated during these sessions. During the focus group, the posttest will be administered again to determine whether knowledge was retained from the education received months before. Women will also be asked if they received any services such as a Pap smear or mammogram and if the educational sessions influenced their decision to seek services.

A second limitation is related to the evaluation forms for the curriculum. Most women who were educated in both the breast and cervical health units of the curriculum attended one educational session in which both units were presented. These women filled out one demographic sheet and one evaluation sheet for both units of the session. In contrast, women who attended the breast health and cervical health units of the curriculum on two separate days were asked to fill out a blank set of data forms for each session. These women thus have two demographic sheets and two evaluation sheets. As noted earlier, we omitted one of the duplicate demographic forms for these women during analysis. However, because the evaluation forms were not linked to the other three forms, both evaluation forms that these women filled out remain in the data. As a result, those educated in both units in the same day have one evaluation sheet that summarizes their feedback on both sessions together, whereas those educated in the two units on different days have two separate evaluation sheets.

## CONCLUSION

The Helping You Take Care of Yourself curriculum was developed in 2006 in an effort to provide accurate health information around breast and cervical cancer to women in the state's diverse communities. In early 2007, to expand the reach of the curriculum, MDPH trained CBO staff to educate women in their communities using the curriculum. The curriculum was successful in improving knowledge about breast and cervical health, and participants were satisfied with the education they received. Areas for improvement were identified, and many can be addressed easily, such as the revision of the memoranda of understanding and the data forms. In the future, an evaluation that examines the implementation of the project from various perspectives will build on the lessons learned that this report presents to give a comprehensive picture of successes and areas for improvement before further program expansion.

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REPORTTABLES AND FIGURES

Figure 1. Number of Women Educated by Each Unit of the Curriculum


Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.

Table 1. Demographic Characteristics of the Population Served

|  | Number | Percent |
| :---: | :---: | :---: |
| Total | 872 | 100.0 |
| Age |  |  |
| Under 40 | 381 | 43.7 |
| 40-64 | 373 | 42.8 |
| 65 and over | 112 | 12.8 |
| Unknown | 6 | 0.7 |
| Race/Ethnicity |  |  |
| White | 156 | 17.9 |
| Black | 54 | 6.2 |
| Asian | 159 | 18.2 |
| Hispanic | 400 | 45.9 |
| Other | 6 | 0.7 |
| Refused/unknown | 97 | 11.1 |
| Country of Birth |  |  |
| Born in U.S. | 174 | 20.0 |
| Foreign |  |  |
| < 1 year in U.S. | 50 | 5.7 |
| 1-5 years in U.S. | 124 | 14.2 |
| More than 5 years in U.S. | 466 | 53.4 |
| Unknown | 58 | 6.7 |
| Form Language |  |  |
| English | 388 | 44.5 |
| Spanish | 324 | 37.2 |
| Portuguese | 120 | 13.8 |
| Khmer | 40 | 4.6 |
| Education |  |  |
| Less than high school | 284 | 32.6 |
| High school or equivalent | 284 | 32.6 |
| Training program | 57 | 6.5 |
| College | 204 | 23.4 |
| Unknown | 43 | 4.9 |
| Health Insurance |  |  |
| Yes | 717 | 82.2 |
| No | 139 | 15.9 |
| Unknown | 16 | 1.8 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.

Note: $\quad$ The sample for tables 1 through 4 is the total number of women educated by either or both units of the curriculum (872). We present this information for both units combined because there were no significant differences between those trained in breast health and those trained in cervical health (Appendix D).

Table 2. Demographic Characteristics of the Population Served, by Region of Training

|  | Boston |  | Central |  | Metrowest |  | Northeast |  | Southeast |  | West |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Total | 142 | 100.0 | 132 | 100.0 | 105 | 100.0 | 227 | 100.0 | 141 | 100.0 | 125 | 100.0 |
| Age |  |  |  |  |  |  |  |  |  |  |  |  |
| Under 40 | 70 | 49.3 | 73 | 55.3 | 50 | 47.6 | 96 | 42.3 | 47 | 33.3 | 45 | 36.0 |
| 40-64 | 44 | 31.0 | 56 | 42.4 | 39 | 37.1 | 113 | 49.8 | 62 | 44.0 | 59 | 47.2 |
| 65 and over | 27 | 19.0 | 2 | 1.5 | 16 | 15.2 | 15 | 6.6 | 32 | 22.7 | 20 | 16.0 |
| Unknown | 1 | 0.7 | 1 | 0.8 | 0 | 0.0 | 3 | 1.3 | 0 | 0.0 | 1 | 0.8 |
| Race/Ethnicity |  |  |  |  |  |  |  |  |  |  |  |  |
| White | 1 | 0.7 | 1 | 0.8 | 11 | 10.5 | 35 | 15.4 | 80 | 56.7 | 28 | 22.4 |
| Black | 30 | 21.1 | 1 | 0.8 | 1 | 1.0 | 10 | 4.4 | 8 | 5.7 | 4 | 3.2 |
| Asian | 1 | 0.7 | 51 | 38.6 | 25 | 23.8 | 78 | 34.4 | 0 | 0.0 | 4 | 3.2 |
| Hispanic | 48 | 33.8 | 76 | 57.6 | 52 | 49.5 | 95 | 41.9 | 43 | 30.5 | 86 | 68.8 |
| Other | 0 | 0.0 | 1 | 0.8 | 1 | 1.0 | 0 | 0.0 | 4 | 2.8 | 0 | 0.0 |
| Refused/unknown | 62 | 43.7 | 2 | 1.5 | 15 | 14.3 | 9 | 4.0 | 6 | 4.3 | 3 | 2.4 |
| Country of Birth |  |  |  |  |  |  |  |  |  |  |  |  |
| Born in U.S. | 17 | 12.0 | 29 | 22.0 | 4 | 3.8 | 22 | 9.7 | 63 | 44.7 | 39 | 31.2 |
| Foreign |  |  |  |  |  |  |  |  |  |  |  |  |
| < 1 year in U.S. | 7 | 4.9 | 5 | 3.8 | 1 | 1.0 | 26 | 11.5 | 2 | 1.4 | 9 | 7.2 |
| 1-5 years in U.S. | 27 | 19.0 | 17 | 12.9 | 16 | 15.2 | 51 | 22.5 | 7 | 5.0 | 6 | 4.8 |
| More than 5 years in U.S. | 81 | 57.0 | 75 | 56.8 | 79 | 75.2 | 112 | 49.3 | 65 | 46.1 | 54 | 43.2 |
| Unknown | 10 | 7.0 | 6 | 4.5 | 5 | 4.8 | 16 | 7.0 | 4 | 2.8 | 17 | 13.6 |
| Form Language |  |  |  |  |  |  |  |  |  |  |  |  |
| English | 61 | 43.0 | 83 | 62.9 | 25 | 23.8 | 92 | 40.5 | 82 | 58.2 | 45 | 36.0 |
| Spanish | 56 | 39.4 | 49 | 37.1 | 44 | 41.9 | 71 | 31.3 | 24 | 17.0 | 80 | 64.0 |
| Portuguese | 25 | 17.6 | 0 | 0.0 | 36 | 34.3 | 24 | 10.6 | 35 | 24.8 | 0 | 0.0 |
| Khmer | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 40 | 17.6 | 0 | 0.0 | 0 | 0.0 |

Table 2 (continued)

|  | Boston |  | Central |  | Metrowest |  | Northeast |  | Southeast |  | West |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Education |  |  |  |  |  |  |  |  |  |  |  |  |
| Less than high school | 62 | 43.7 | 48 | 36.4 | 35 | 33.3 | 74 | 32.6 | 25 | 17.7 | 40 | 32.0 |
| High school or equivalent | 33 | 23.2 | 36 | 27.3 | 37 | 35.2 | 80 | 35.2 | 47 | 33.3 | 51 | 40.8 |
| Training program | 8 | 5.6 | 9 | 6.8 | 10 | 9.5 | 11 | 4.8 | 15 | 10.6 | 4 | 3.2 |
| College | 33 | 23.2 | 35 | 26.5 | 19 | 18.1 | 49 | 21.6 | 45 | 31.9 | 23 | 18.4 |
| Unknown | 6 | 4.2 | 4 | 3.0 | 4 | 3.8 | 13 | 5.7 | 9 | 6.4 | 7 | 5.6 |
| Health Insurance |  |  |  |  |  |  |  |  |  |  |  |  |
| Yes | 125 | 88.0 | 114 | 86.4 | 78 | 74.3 | 158 | 69.6 | 127 | 90.1 | 115 | 92.0 |
| No | 14 | 9.9 | 14 | 10.6 | 26 | 24.8 | 66 | 29.1 | 10 | 7.1 | 9 | 7.2 |
| Unknown | 3 | 2.1 | 4 | 3.0 | 1 | 1.0 | 3 | 1.3 | 4 | 2.8 | 1 | 0.8 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.
Note: $\quad$ The sample for tables 1 through 4 is the total number of women educated by either or both units of the curriculum (872). We present this information for both units combined because there were no significant differences between those trained in breast health and those trained in cervical health (Appendix D).

Table 3. Receipt of Mammograms Among Population Served, by Demographic Characteristics

|  | Percent With Most Recent Mammogram Occurring: ${ }^{\text {a }}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $<1$ <br> Year <br> Ago | 1-3 <br> Years Ago | $\begin{gathered} 4-5 \\ \text { Years } \\ \text { Ago } \end{gathered}$ | $>5$ <br> Years <br> Ago | Never | Unknown |
| Total | 52.4 | 25.2 | 3.7 | 2.7 | 13.8 | 2.3 |
| Age** |  |  |  |  |  |  |
| Under 40 | n.a. | n.a. | n.a. | n.a. | n.a. | n.a. |
| 40-64 | 51.5 | 23.3 | 3.2 | 2.7 | 16.9 | 2.4 |
| 65 and over | 55.4 | 31.3 | 5.4 | 2.7 | 3.6 | 1.8 |
| Unknown | . | . | . | . | . | . |
| Race/Ethnicity** ${ }^{\text {b }}$ |  |  |  |  |  |  |
| White | 52.6 | 31.6 | 5.3 | 5.3 | 5.3 | . |
| Black | 50.0 | 10.0 | 5.0 | . | 30.0 | 5.0 |
| Asian | 39.5 | 18.6 | 4.7 | 2.3 | 32.6 | 2.3 |
| Hispanic | 57.8 | 27.5 | 3.8 | 1.4 | 7.6 | 1.9 |
| Other | 50.0 | 25.0 | . | . | . | 25.0 |
| Refused/unknown | 52.2 | 21.7 | . | 4.3 | 17.4 | 4.3 |
| Health Insurance** |  |  |  |  |  |  |
| Yes | 56.6 | 26.5 | 2.9 | 2.4 | 9.5 | 2.2 |
| No | 24.6 | 18.5 | 9.2 | 4.6 | 40.0 | 3.1 |
| Unknown | 62.5 | 12.5 | . | . | 25.0 | . |
| Education |  |  |  |  |  |  |
| Less than high school | 55.7 | 23.5 | 4.9 | 2.2 | 12.0 | 1.6 |
| High school or equivalent | 44.2 | 24.6 | 4.3 | 5.1 | 18.8 | 2.9 |
| Training program | 66.7 | 14.3 | . | . | 14.3 | 4.8 |
| College | 56.3 | 27.7 | 1.8 | 1.8 | 10.7 | 1.8 |
| Unknown | 45.2 | 35.5 | 3.2 | . | 12.9 | 3.2 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.

Note: $\quad$ The sample for tables 1 through 4 is the total number of women educated by either or both units of the curriculum (872). We present this information for both units combined because there were no significant differences between those trained in breast health and those trained in cervical health (Appendix D).
${ }^{\mathrm{a}}$ Among women ages 40 and older.
${ }^{\text {b }}$ The chi-squared test shows highly significant variation between race/ethnicity groups regarding their receipt of mammograms. However, 30 percent of the cells have expected counts less than 5. Therefore, the chi-squared test may not be valid.
*Significant variation exists between demographic groups ( $p<0.05$ ).
**Highly significant variation exists between demographic groups ( $p<0.01$ ).
n.a. $=$ Not Applicable.

Table 4. Receipt of Pap Smears Among Population Served, by Demographic Characteristics

|  | Percent With Most Recent Pap Smear Occurring: |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} <1 \text { year } \\ \text { ago } \end{gathered}$ | 1-3 years ago | 4-5 years ago | $\begin{gathered} >5 \text { years } \\ \text { ago } \end{gathered}$ | Never | Unknown |
| Total | 51.0 | 24.3 | 3.4 | 3.6 | 14.2 | 3.4 |
| Age** |  |  |  |  |  |  |
| Under 40 | 55.6 | 21.8 | 0.8 | 1.3 | 17.6 | 2.9 |
| 40-64 | 51.5 | 24.1 | 5.1 | 4.3 | 11.0 | 4.0 |
| 65 and over | 33.0 | 33.9 | 7.1 | 8.9 | 13.4 | 3.6 |
| Unknown | 66.7 | 16.7 |  |  | 16.7 |  |
| Race/Ethnicity** |  |  |  |  |  |  |
| White | 49.4 | 26.3 | 7.7 | 4.5 | 10.3 | 1.9 |
| Black | 61.1 | 16.7 |  | 1.9 | 14.8 | 5.6 |
| Asian | 35.8 | 20.1 | 1.3 | 5.0 | 31.4 | 6.3 |
| Hispanic | 59.5 | 24.5 | 3.0 | 3.0 | 7.8 | 2.3 |
| Other | 50.0 | 16.7 | 33.3 |  |  |  |
| Refused/unknown | 38.1 | 32.0 | 2.1 | 3.1 | 19.6 | 5.2 |
| Health Insurance** |  |  |  |  |  |  |
| Yes | 54.8 | 24.3 | 3.1 | 2.9 | 12.3 | 2.6 |
| No | 30.9 | 25.9 | 5.0 | 6.5 | 23.7 | 7.9 |
| Unknown | 56.3 | 12.5 | 6.3 | 6.3 | 18.8 |  |
| Education* |  |  |  |  |  |  |
| Less than high school | 46.8 | 25.7 | 2.8 | 4.9 | 16.9 | 2.8 |
| High school or equivalent | 48.9 | 22.9 | 3.9 | 4.9 | 15.8 | 3.5 |
| Training program | 57.9 | 26.3 | 1.8 |  | 10.5 | 3.5 |
| College | 59.3 | 26.5 | 2.9 | 1.0 | 8.3 | 2.0 |
| Unknown | 44.2 | 11.6 | 9.3 | 2.3 | 18.6 | 14.0 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.

Note: $\quad$ The sample for tables 1 through 4 is the total number of women educated by either or both units of the curriculum (872). We present this information for both units combined because there were no significant differences between those trained in breast health and those trained in cervical health (Appendix D).
*Significant variation exists between demographic groups ( $p<0.05$ ).
**Highly significant variation exists between demographic groups ( $p<0.01$ ).

Table 5. Breast and Cervical Health Knowledge on the Pre- and Posttests, by Demographic Characteristics

|  | Breast Health Unit |  |  |  |  | Cervical Health Unit |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pretest |  | Posttest |  | Percent with Increased Score | Pretest |  | Posttest |  | Percent with Increased Score |
|  | Sample Size | Average Score | Sample Size | Average Score |  | Sample Size | Average Score | Sample Size | Average Score |  |
| Total Completing Both Preand Posttests | 811 | 3.8 | 811 | 4.5** | 49.2 | 684 | 3.4 | 684 | 4.5** | 68.1 |
| Total Completing Either or Both Pre- and Posttests | 814 | 3.8 | 820 | 4.5 | 49.2 | 686 | 3.4 | 691 | 4.5 | 68.1 |
| Age |  |  |  |  |  |  |  |  |  |  |
| Under 40 | 344 | 3.9 | 347 | 4.4 | 43.7 | 297 | 3.4 | 298 | 4.5 | 66.3 |
| 40-64 | 354 | 3.9 | 356 | 4.5 | 49.1 | 286 | 3.3 | 291 | 4.5 | 73.0 |
| 65 and over | 109 | 3.5 | 110 | 4.5 | 65.1 | 97 | 3.4 | 96 | 4.6 | 62.5 |
| Unknown | 7 | 3.0 | 7 | 4.0 | 71.4 | 6 | 3.5 | 6 | 3.8 | 16.7 |
| Race/Ethnicity |  |  |  |  |  |  |  |  |  |  |
| White | 151 | 3.8 | 152 | 4.6 | 50.3 | 135 | 3.2 | 134 | 4.7 | 77.6 |
| Black | 54 | 3.7 | 54 | 4.3 | 46.3 | 47 | 3.5 | 47 | 4.3 | 48.9 |
| Asian | 141 | 3.3 | 142 | 4.1 | 59.0 | 113 | 2.8 | 116 | 4.2 | 75.9 |
| Hispanic | 370 | 4.0 | 371 | 4.6 | 46.1 | 296 | 3.6 | 297 | 4.5 | 63.9 |
| Other | 6 | 3.8 | 6 | 4.3 | 50.0 | 6 | 3.2 | 6 | 4.7 | 83.3 |
| Refused/unknown | 92 | 3.8 | 95 | 4.5 | 46.7 | 89 | 3.6 | 91 | 4.6 | 67.4 |
| Education |  |  |  |  |  |  |  |  |  |  |
| Less than high school | 261 | 3.6 | 265 | 4.3 | 54.4 | 228 | 3.2 | 229 | 4.4 | 65.2 |
| High school or equivalent | 259 | 3.9 | 259 | 4.5 | 49.0 | 211 | 3.3 | 214 | 4.5 | 72.0 |
| Training program | 55 | 4.1 | 55 | 4.7 | 43.6 | 52 | 3.4 | 52 | 4.7 | 73.1 |
| College | 198 | 4.2 | 198 | 4.6 | 40.1 | 162 | 3.7 | 161 | 4.7 | 64.0 |
| Unknown | 41 | 3.2 | 43 | 4.2 | 68.3 | 33 | 2.9 | 35 | 4.3 | 75.8 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.
Note: The first row of the table shows statistics for participants who completed both the pre- and posttests. A paired t-test was conducted for these participants in each unit of the curriculum to determine whether the increase in average scores was statistically significant. Paired $t$-tests were not conducted for individual demographic groups due to the small sample sizes.
**Highly significant ( $p<0.01$ ).

Table 6. Breast and Cervical Health Knowledge, by Pre- and Posttest Question

| Breast Health Unit |  |  |  |  |  | Cervical Health Unit |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pretest |  | Posttest |  | Percent Change | Question (Correct Response) | Pretest |  | Posttest |  | Percent Change |
| Question (Correct Response) | Sample Size | Percent Correct | Sample | Percent Correct |  |  | Sample Size | Percent Correct | Sample Size | Percent Correct |  |
| 1. If you have a lump in your breast you absolutely have breast cancer (false) | 623 | 76.5 | 735 | 89.6 | 17.1 | 1. If you get an abnormal Pap test, it means you have cervical cancer (false) | 539 | 78.6 | 637 | 92.2 | 17.3 |
| 2. Starting at the age of 40, you should get a mammogram once a year (true) | 699 | 85.9 | 783 | 95.5 | 11.2 | 2. Women should get their first Pap test at age 21 or 3 years after they become sexually active (true) | 379 | 55.2 | 604 | 87.4 | 58.2 |
| 3. Mammograms cause breast cancer (false) | 673 | 82.7 | 758 | 92.4 | 11.8 | 3. Cervical cancer is preventable through routine screening (true) | 541 | 78.9 | 646 | 93.5 | 18.5 |
| 4. As women get older, their risk of breast cancer increases (true) | 599 | 73.6 | 738 | 90.0 | 22.3 | 4. Getting a positive HPV test means you have cervical cancer (false) | 432 | 63.0 | 599 | 86.7 | 37.7 |
| 5. You should have a clinical breast exam done by a healthcare provider every 5 years (false) | 514 | 63.1 | 645 | 78.7 | 24.6 | 5. Most women have been exposed to the Human Papilloma Virus (HPV) (true) | 411 | 59.9 | 622 | 90.0 | 50.2 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.

Table 7. Summary of Responses to Evaluation Questions

| Question | Frequency | Percentage |
| :--- | ---: | ---: |
| Would You Suggest That Your Family or |  |  |
| Friends Come to this Health Session? |  |  |
| Yes | 898 | 97.3 |
| No | 11 | 1.2 |
| Missing | 14 | 1.5 |
| Overall, How Would You Rate this Health |  |  |
| Session? |  |  |
| Excellent | 578 | 62.6 |
| Good | 306 | 33.2 |
| Average | 22 | 2.4 |
| Fair | 4 | 0.4 |
| Poor | 0 | 0.0 |
| Missing | 13 | 1.4 |
|  |  |  |
| Overall, How Would You Rate the Group |  | 67.1 |
| Leader? | 619 | 29.6 |
| Excellent | 273 | 1.6 |
| Good | 15 | 0.1 |
| Average | 1 | 0.0 |
| Fair | 0 | 1.6 |
| Poor | 15 | 100.0 |
| Missing | 923 |  |
| Total |  |  |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.

Aprendix A
Data Collection Forms
$\qquad$
$\qquad$

## WHN Health Education - Demographics Form

The answers provided on this sheet will be used to improve future programs. Please fill it out and return it to the group leader. Thank you.

1. Name: $\qquad$
2. What is your date of birth? $\qquad$
3. How old are you? $\square$ under $40 \quad \square$ 41-64 $\quad \square 5$ and over
4. What city or town do you live in? $\qquad$
5. Were you born in the United States? $\square$ Yes $\square$ No

5a. If no, how long have you been in the United States?
$\square$ less than 1 year $\square 1-5$ years more than 5 years
6. Are you Spanish/Hispanic/Latina? $\square$ Yes $\square$ No
7. How do you describe your race?

- White
- Black, African American, Negro Native American/Alaskan Native
- Asian
$\square$ Native Hawaiian or other Pacific Islander
- Refused

8. Language spoken most often in your home: $\qquad$
9. Did you go to school? YesNo

9a. If yes, what is the last grade you finished?
$\qquad$ $\square$ High School
Training Program
College
10. What is your job? $\qquad$
11. Do you have health insurance? $\square$ Yes $\square$ No
12. Have you ever had a mammogram? Yes $\square$ No

12a. If yes, when was your most recent mammogram?

| $\square$ less than 1 year ago | $\square-5$ years ago |
| :--- | :--- |
| $\square 1-3$ years ago | $\square$ more than 5 years ago |

13. Have you ever had a Pap smear? $\square$ Yes No

13a. If yes, when was your most recent Pap smear?
$\begin{array}{ll}\square \text { less than } 1 \text { year ago } & \square-5 \text { years ago } \\ \square 1-3 \text { years ago } & \square \text { more than } 5 \text { years ago }\end{array}$

For Internal Use ONLY
Organization Name
$\qquad$
$\qquad$
WHN Health Education
Pre-test

## Breast Health and Breast Cancer Screening Unit <br> For the following statements below, please CIRCLE if they are TRUE or FALSE.

1. If you have a lump in your breast you absolutely have breast cancer. $\qquad$ .TRUE

FALSE
2. Starting at the age of 40 , you should get a mammogram once a year. $\qquad$ .TRUE

FALSE
3. Mammograms cause breast cancer.
.TRUE
FALSE
4. As women get older, their risk of breast cancer increases $\qquad$ .TRUE
FALSE
5. You should have a clinical breast exam done by a healthcare provider every 5 years
.TRUE
FALSE

## Cervical Health and Cervical Cancer Screening Unit

For the following statements below, please CIRCLE if they are TRUE or FALSE.

1. If you get an abnormal Pap test, it means you have cervical cancer. $\qquad$ .TRUE
FALSE
2. Women should get their first Pap test at age 21 or 3 years after they become sexually active.
..TRUE
FALSE
3. Cervical cancer is preventable through routine screening
.TRUE
FALSE
4. Getting a positive HPV test means you have cervical cancer.
.TRUE
FALSE
5. Most women have been exposed to the Human Papilloma Virus (HPV) $\qquad$ .TRUE
$\qquad$
$\qquad$

# WHN Health Education 

Post-test

## Breast Health and Breast Cancer Screening Unit <br> For the following statements below, please CIRCLE if they are TRUE or FALSE.

1. If you have a lump in your breast you absolutely have breast cancer. $\qquad$ .TRUE

FALSE
2. Starting at the age of 40 , you should get a mammogram once a year $\qquad$ .TRUE

FALSE
3. Mammograms cause breast cancer. $\qquad$ TRUE
FALSE
4. As women get older, their risk of breast cancer increases $\qquad$ .TRUE
FALSE
5. You should have a clinical breast exam done by a healthcare provider every 5 years

$\qquad$
TRUE

FALSE

## Cervical Health and Cervical Cancer Screening Unit

For the following statements below, please CIRCLE if they are TRUE or FALSE.

1. If you get an abnormal Pap test, it means you have cervical cancer. $\qquad$ .TRUE
FALSE
2. Women should get their first Pap test at age 21 or 3 years after they become sexually active.
.TRUE
FALSE
3. Cervical cancer is preventable through routine screening
.TRUE
FALSE
4. Getting a positive HPV test means you have cervical cancer. $\qquad$ TRUE
FALSE
5. Most women have been exposed to the Human Papilloma Virus (HPV)

TRUE
FALSE
For Internal Use ONLY

Organization Name

## WHN Health Education <br> Participant Evaluation

Please take a minute to let us know how you liked this Women's Health session.

1. Would you suggest that your family or friends come to this health session?
$\square$ Yes $\square$ No
2. Overall, how would you rate this health session?

| Poor | Fair | Average | Good | Excellent |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 |

3. Overall, how would you rate the group leader?

| Poor | Fair | Average | Good | Excellent |
| :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 |

4. Do you have any ideas about how to make the sessions better? $\qquad$
$\qquad$

- 

ID \#

Thank you for filling out this form! Please pass it in before you leave.

## APPENDIX B <br> DATARECODING DECISIONS

## Skip pattern questions

| 5: Were you born <br> in the United <br> States? | 5a: If no, how long have <br> you been in the United <br> States? |  | Recode Decisions |
| :--- | :--- | :--- | ---: |$\quad$| Frequency |
| :--- | :--- | ---: |

Skip pattern questions

| 9: Did you go to <br> school? | 9a: If yes, what is the last <br> grade you finished? |  | Frequ <br> ency |
| :--- | :--- | :--- | ---: |
| No | Grade X | Change 9 to yes and keep 9a as is | 7 |
| No | High School | Change 9 to yes and keep 9a as is | 12 |
| No | Training Program | Change 9 to yes and keep 9a as is | 2 |
| No | College | Change 9 to yes and keep 9a as is | 7 |
| Missing | Grade X | Change 9 to yes and keep 9a as is | 8 |
| Missing | High School | Change 9 to yes and keep 9a as is | 5 |
| Missing | Training Program | Change 9 to yes and keep 9a as is | 0 |
| Missing | College | Change 9 to yes and keep 9a as is | 6 |

Skip pattern questions

| 12: Have you ever had a mammogram? | 12a: If yes, when was your most recent mammogram? | Decision | Frequency |
| :---: | :---: | :---: | :---: |
| No | Less than 1 year ago | Change 12 to yes and keep 12a as is | 6 |
| No | 1-3 years ago | Change 12 to yes and keep 12a as is | 2 |
| No | 4-5 years ago | Change 12 to yes and keep 12a as is | 1 |
| No | More than 5 years ago | Change 12 to yes and keep 12a as is | 1 |
| Missing | Less than 1 year ago | Change 12 to yes and keep 12a as is | 6 |
| Missing | 1-3 years ago | Change 12 to yes and keep 12a as is | 5 |
| Missing | 4-5 years ago | Change 12 to yes and keep 12a as is | 0 |
| Missing | More than 5 years ago | Change 12 to yes and keep 12a as is | 0 |

Skip pattern questions
13: Have you ever 13a: If yes, when was
had a Pap smear? your most recent Pap
smear? Decision

Frequency

| No | Less than 1 year ago | Change 13 to yes and keep 13a as is | 2 |
| :--- | :--- | :--- | ---: |
| No | $1-3$ years ago | Change 13 to yes and keep 13a as is | 0 |
| No | $4-5$ years ago | Change 13 to yes and keep 13a as is | 0 |
| No | More than 5 years ago | Change 13 to yes and keep 13a as is | 3 |
| Missing | Less than 1 year ago | Change 13 to yes and keep 13a as is | 9 |
| Missing | $1-3$ years ago | Change 13 to yes and keep 13a as is | 14 |
| Missing | $4-5$ years ago | Change 13 to yes and keep 13a as is | 1 |
| Missing | More than 5 years ago | Change 13 to yes and keep 13a as is | 3 |

## Aprendix C

PRE-AND POSTTESTKNOWLEDGE BY QUESTION AND BY AGE, Race/ETHNICITY, AND Education

Appendix C. 1 Pre- And Posttest Knowledge By Age

|  | Breast Health Unit |  |  |  |  | Cervical Health Unit |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pretest |  | Posttest |  | Percent Change | Pretest |  | Posttest |  | Percent Change |
|  | Sample Size | Percent Correct | Sample Size | Percent Correct |  | Sample Size | Percent Correct | Sample Size | Percent Correct |  |
| Question 1 |  |  |  |  |  |  |  |  |  |  |
| Total | 623 | 76.5 | 735 | 89.6 | 17.1 | 539 | 78.6 | 637 | 92.2 | 17.3 |
| Age |  |  |  |  |  |  |  |  |  |  |
| Under 40 | 269 | 78.2 | 306 | 88.2 | 12.8 | 242 | 81.5 | 275 | 92.3 | 13.3 |
| 40-64 | 277 | 78.2 | 324 | 91.0 | 16.3 | 223 | 78.0 | 270 | 92.8 | 19.0 |
| 65 and over | 72 | 66.1 | 101 | 91.8 | 39.0 | 69 | 71.1 | 87 | 90.6 | 27.4 |
| Unknown | 5 | 71.4 | 4 | 57.1 | -20.0 | 5 | 83.3 | 5 | 83.3 | 0.0 |
| Question 2 |  |  |  |  |  |  |  |  |  |  |
| Total | 699 | 85.9 | 783 | 95.5 | 11.2 | 379 | 55.2 | 604 | 87.4 | 58.2 |
| Age |  |  |  |  |  |  |  |  |  |  |
| Under 40 | 293 | 85.2 | 331 | 95.4 | 12.0 | 157 | 52.9 | 259 | 86.9 | 64.4 |
| 40-64 | 310 | 87.6 | 342 | 96.1 | 9.7 | 146 | 51.0 | 249 | 85.6 | 67.6 |
| 65 and over | 91 | 83.5 | 103 | 93.6 | 12.2 | 74 | 76.3 | 93 | 96.9 | 27.0 |
| Unknown | 5 | 71.4 | 7 | 100.0 | 40.0 | 2 | 33.3 | 3 | 50.0 | 50.0 |


|  | Breast Health Unit |  |  |  |  | Cervical Health Unit |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pretest |  | Posttest |  | Percent <br> Change | Pretest |  | Posttest |  | Percent Change |
|  | $\begin{gathered} \text { Sample } \\ \text { Size } \\ \hline \end{gathered}$ | Percent Correct | $\begin{gathered} \text { Sample } \\ \text { Size } \\ \hline \end{gathered}$ | Percent Correct |  | $\begin{gathered} \text { Sample } \\ \text { Size } \\ \hline \end{gathered}$ | Percent Correct | $\begin{gathered} \text { Sample } \\ \text { Size } \end{gathered}$ | Percent Correct |  |
| Question 3 |  |  |  |  |  |  |  |  |  |  |
| Total | 673 | 82.7 | 758 | 92.4 | 11.8 | 541 | 78.9 | 646 | 93.5 | 18.5 |
| Age |  |  |  |  |  |  |  |  |  |  |
| Under 40 | 294 | 85.5 | 327 | 94.2 | 10.3 | 227 | 76.4 | 278 | 93.3 | 22.1 |
| 40-64 | 298 | 84.2 | 331 | 93.0 | 10.4 | 229 | 80.1 | 274 | 94.2 | 17.6 |
| 65 and over | 78 | 71.6 | 95 | 86.4 | 20.7 | 80 | 82.5 | 89 | 92.7 | 12.4 |
| Unknown | 3 | 42.9 | 5 | 71.4 | 66.7 | 5 | 83.3 | 5 | 83.3 | 0.0 |
| Question 4 |  |  |  |  |  |  |  |  |  |  |
| Total | 599 | 73.6 | 738 | 90.0 | 22.3 | 432 | 63.0 | 599 | 86.7 | 37.7 |
| Age |  |  |  |  |  |  |  |  |  |  |
| Under 40 | 254 | 73.8 | 321 | 92.5 | 25.3 | 185 | 62.3 | 253 | 84.9 | 36.3 |
| 40-64 | 261 | 73.7 | 308 | 86.5 | 17.3 | 180 | 62.9 | 256 | 88.0 | 39.8 |
| 65 and over | 81 | 74.3 | 103 | 93.6 | 26.0 | 63 | 64.9 | 86 | 89.6 | 37.9 |
| Unknown | 3 | 42.9 | 6 | 85.7 | 100.0 | 4 | 66.7 | 4 | 66.7 | 0.0 |
| Question 5 |  |  |  |  |  |  |  |  |  |  |
| Total | 514 | 63.1 | 645 | 78.7 | 24.6 | 411 | 59.9 | 622 | 90.0 | 50.2 |
| Age |  |  |  |  |  |  |  |  |  |  |
| Under 40 | 222 | 64.5 | 251 | 72.3 | 12.1 | 206 | 69.4 | 268 | 89.9 | 29.7 |
| 40-64 | 232 | 65.5 | 298 | 83.7 | 27.7 | 152 | 53.1 | 264 | 90.7 | 70.7 |
| 65 and over | 55 | 50.5 | 90 | 81.8 | 62.1 | 48 | 49.5 | 84 | 87.5 | 76.8 |
| Unknown | 5 | 71.4 | 6 | 85.7 | 20.0 | 5 | 83.3 | 6 | 100.0 | 20.0 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.

Pre- and posttest questions (and correct answers) are as follows:
Breast Health Unit

| 1. If you have a lump in your breast you absolutely have breast cancerCervical Health Unit <br> (false). |  |
| :--- | :--- |
| 1. If you get an abnormal Pap test, it means you have cervical cancer <br> (false). |  |
| 2. Starting at the age of 40, you should get a mammogram once a year (true). | 2. Women should get their first Pap test at age 21 or 3 years after they |


| 3. Mammograms cause breast cancer (false). | 3. Cervical cancer is preventable through routine screening (true). |
| :--- | :--- |
| 4. As women get older, their risk of breast cancer increases (true). | 4. Getting a positive HPV test means you have cervical cancer (false). |
| 5. You should have a clinical breast exam done by a healthcare provider | 5. Most women have been exposed to the Human Papilloma Virus <br> every 5 years (false). |
|  | (HPV) (true). |


|  | Breast Health Unit |  |  |  |  | Cervical Health Unit |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pretest |  | Posttest |  | Percent Change | Pretest |  | Posttest |  | Percent Change |
|  | Sample <br> Size | Percent <br> Correct | Sample Size | Percent <br> Correct |  | Sample Size | Percent Correct | Sample <br> Size | Percent <br> Correct |  |
| Question 1 |  |  |  |  |  |  |  |  |  |  |
| Total | 623 | 76.5 | 735 | 89.6 | 17.1 | 539 | 78.6 | 637 | 92.2 | 17.3 |
| Race/Ethnicity |  |  |  |  |  |  |  |  |  |  |
| White | 133 | 88.1 | 144 | 94.7 | 7.6 | 111 | 82.2 | 130 | 97.0 | 18.0 |
| Black | 36 | 66.7 | 44 | 81.5 | 22.2 | 41 | 87.2 | 42 | 89.4 | 2.4 |
| Asian | 65 | 46.1 | 101 | 71.1 | 54.3 | 57 | 50.4 | 88 | 75.9 | 50.4 |
| Hispanic | 316 | 85.4 | 353 | 95.1 | 11.4 | 258 | 87.2 | 284 | 95.6 | 9.7 |
| Other | 6 | 100.0 | 6 | 100.0 | 0.0 | 5 | 83.3 | 6 | 100.0 | 20.0 |
| Refused/unknown | 67 | 72.8 | 87 | 91.6 | 25.8 | 67 | 75.3 | 87 | 95.6 | 27.0 |
| Question 2 |  |  |  |  |  |  |  |  |  |  |
| Total | 699 | 85.9 | 783 | 95.5 | 11.2 | 379 | 55.2 | 604 | 87.4 | 58.2 |
| Race/Ethnicity |  |  |  |  |  |  |  |  |  |  |
| White | 122 | 80.8 | 143 | 94.1 | 16.4 | 64 | 47.4 | 121 | 90.3 | 90.5 |
| Black | 38 | 70.4 | 53 | 98.1 | 39.5 | 26 | 55.3 | 38 | 80.9 | 46.2 |
| Asian | 124 | 87.9 | 135 | 95.1 | 8.1 | 73 | 64.6 | 108 | 93.1 | 44.1 |
| Hispanic | 328 | 88.6 | 354 | 95.4 | 7.6 | 154 | 52.0 | 252 | 84.8 | 63.1 |
| Other | 3 | 50.0 | 6 | 100.0 | 100.0 | 1 | 16.7 | 4 | 66.7 | 300.0 |
| Refused/unknown | 84 | 91.3 | 92 | 96.8 | 6.1 | 61 | 68.5 | 81 | 89.0 | 29.9 |
| Question 3 |  |  |  |  |  |  |  |  |  |  |
| Total | 673 | 82.7 | 758 | 92.4 | 11.8 | 541 | 78.9 | 646 | 93.5 | 18.5 |
| Race/Ethnicity |  |  |  |  |  |  |  |  |  |  |
| White | 131 | 86.8 | 147 | 96.7 | 11.5 | 90 | 66.7 | 126 | 94.0 | 41.0 |
| Black | 45 | 83.3 | 47 | 87.0 | 4.4 | 33 | 70.2 | 40 | 85.1 | 21.2 |
| Asian | 90 | 63.8 | 119 | 83.8 | 31.3 | 87 | 77.0 | 106 | 91.4 | 18.7 |


|  | Breast Health Unit |  |  |  |  | Cervical Health Unit |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pretest |  | Posttest |  | Percent Change | Pretest |  | Posttest |  | Percent Change |
|  | Sample Size | Percent <br> Correct | Sample Size | Percent <br> Correct |  | Sample Size | Percent <br> Correct | Sample Size | Percent <br> Correct |  |
| Hispanic | 325 | 87.8 | 353 | 95.1 | 8.3 | 247 | 83.4 | 278 | 93.6 | 12.2 |
| Other | 6 | 100.0 | 6 | 100.0 | 0.0 | 5 | 83.3 | 6 | 100.0 | 20.0 |
| Refused/unknown | 76 | 82.6 | 86 | 90.5 | 9.6 | 79 | 88.8 | 90 | 98.9 | 11.4 |
| Question 4 |  |  |  |  |  |  |  |  |  |  |
| Total | 599 | 73.6 | 738 | 90.0 | 22.3 | 432 | 63.0 | 599 | 86.7 | 37.7 |
| Race/Ethnicity |  |  |  |  |  |  |  |  |  |  |
| White | 109 | 72.2 | 142 | 93.4 | 29.4 | 93 | 68.9 | 127 | 94.8 | 37.6 |
| Black | 41 | 75.9 | 48 | 88.9 | 17.1 | 36 | 76.6 | 39 | 83.0 | 8.3 |
| Asian | 109 | 77.3 | 127 | 89.4 | 15.7 | 53 | 46.9 | 86 | 74.1 | 58.1 |
| Hispanic | 259 | 70.0 | 328 | 88.4 | 26.3 | 186 | 62.8 | 260 | 87.5 | 39.3 |
| Other | 3 | 50.0 | 3 | 50.0 | 0.0 | 5 | 83.3 | 6 | 100.0 | 20.0 |
| Refused/unknown | 78 | 84.8 | 90 | 94.7 | 11.7 | 59 | 66.3 | 81 | 89.0 | 34.3 |
| Question 5 |  |  |  |  |  |  |  |  |  |  |
| Total | 514 | 63.1 | 645 | 78.7 | 24.6 | 411 | 59.9 | 622 | 90.0 | 50.2 |
| Race/Ethnicity |  |  |  |  |  |  |  |  |  |  |
| White | 85 | 56.3 | 119 | 78.3 | 39.1 | 70 | 51.9 | 123 | 91.8 | 77.0 |
| Black | 39 | 72.2 | 42 | 77.8 | 7.7 | 30 | 63.8 | 41 | 87.2 | 36.7 |
| Asian | 79 | 56.0 | 106 | 74.6 | 33.2 | 43 | 38.1 | 96 | 82.8 | 117.5 |
| Hispanic | 258 | 69.7 | 302 | 81.4 | 16.7 | 212 | 71.6 | 277 | 93.3 | 30.2 |
| Other | 5 | 83.3 | 5 | 83.3 | 0.0 | 3 | 50.0 | 6 | 100.0 | 100.0 |
| Refused/unknown | 48 | 52.2 | 71 | 74.7 | 43.2 | 53 | 59.6 | 79 | 86.8 | 45.8 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.

Pre- and posttest questions (and correct answers) are as follows:

## Breast Health Unit

1. If you have a lump in your breast you absolutely have breast cancer 1. If you get an abnormal Pap test, it means you have cervical cancer (false).

Cervical Health Unit (false).
2. Women should get their first Pap test at age 21 or 3 years after they
2. Starting at the age of 40, you should get a mammogram once a year (true). become sexually active (true).
3. Mammograms cause breast cancer (false).
3. Cervical cancer is preventable through routine screening (true).
4. Getting a positive HPV test means you have cervical cancer (false).
5. You should have a clinical breast exam done by a healthcare provider 5. Most women have been exposed to the Human Papilloma Virus every 5 years (false).
(HPV) (true).

|  | Breast Health Unit |  |  |  |  | Cervical Health Unit |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pretest |  | Posttest |  | Percent Change | Pretest |  | Posttest |  | Percent <br> Change |
|  | Sample Size | Percent <br> Correct | Sample Size | Percent Correct |  | Sample Size | Percent Correct | Sample Size | Percent Correct |  |
| Question 1 |  |  |  |  |  |  |  |  |  |  |
| Total | 623 | 76.5 | 735 | 89.6 | 17.1 | 539 | 78.6 | 637 | 92.2 | 17.3 |
| Education |  |  |  |  |  |  |  |  |  |  |
| Less than high school | 172 | 65.9 | 230 | 86.8 | 31.7 | 156 | 68.4 | 202 | 88.2 | 28.9 |
| High school or equivalent | 202 | 78.0 | 232 | 89.6 | 14.9 | 170 | 80.6 | 197 | 92.1 | 14.3 |
| Training program | 48 | 87.3 | 51 | 92.7 | 6.3 | 41 | 78.8 | 48 | 92.3 | 17.1 |
| College | 175 | 88.4 | 188 | 94.9 | 7.4 | 153 | 94.4 | 158 | 98.1 | 3.9 |
| Unknown | 26 | 63.4 | 34 | 79.1 | 24.7 | 19 | 57.6 | 32 | 91.4 | 58.8 |
| Question 2 |  |  |  |  |  |  |  |  |  |  |
| Total | 699 | 85.9 | 783 | 95.5 | 11.2 | 379 | 55.2 | 604 | 87.4 | 58.2 |
| Education |  |  |  |  |  |  |  |  |  |  |
| Less than high school | 227 | 87.0 | 248 | 93.6 | 7.6 | 152 | 66.7 | 202 | 88.2 | 32.3 |
| High school or equivalent | 219 | 84.6 | 251 | 96.9 | 14.6 | 105 | 49.8 | 186 | 86.9 | 74.7 |
| Training program | 48 | 87.3 | 53 | 96.4 | 10.4 | 25 | 48.1 | 48 | 92.3 | 92.0 |
| College | 176 | 88.9 | 189 | 95.5 | 7.4 | 77 | 47.5 | 140 | 87.0 | 82.9 |
| Unknown | 29 | 70.7 | 42 | 97.7 | 38.1 | 20 | 60.6 | 28 | 80.0 | 32.0 |
| Question 3 |  |  |  |  |  |  |  |  |  |  |
| Total | 673 | 82.7 | 758 | 92.4 | 11.8 | 541 | 78.9 | 646 | 93.5 | 18.5 |
| Education |  |  |  |  |  |  |  |  |  |  |
| Less than high school | 199 | 76.2 | 233 | 87.9 | 15.3 | 182 | 79.8 | 212 | 92.6 | 16.0 |
| High school or equivalent | 213 | 82.2 | 242 | 93.4 | 13.6 | 162 | 76.8 | 199 | 93.0 | 21.1 |
| Training program | 49 | 89.1 | 55 | 100.0 | 12.2 | 45 | 86.5 | 50 | 96.2 | 11.1 |
| College | 184 | 92.9 | 195 | 98.5 | 6.0 | 131 | 80.9 | 154 | 95.7 | 18.3 |
| Unknown | 28 | 68.3 | 33 | 76.7 | 12.4 | 21 | 63.6 | 31 | 88.6 | 39.2 |


|  | Breast Health Unit |  |  |  |  | Cervical Health Unit |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Pretest |  | Posttest |  | Percent Change | Pretest |  | Posttest |  | Percent Change |
|  | Sample Size | Percent Correct | Sample Size | Percent Correct |  | Sample Size | Percent Correct | Sample Size | Percent Correct |  |
| Question 4 |  |  |  |  |  |  |  |  |  |  |
| Total | 599 | 73.6 | 738 | 90.0 | 22.3 | 432 | 63.0 | 599 | 86.7 | 37.7 |
| Education |  |  |  |  |  |  |  |  |  |  |
| Less than high school | 193 | 73.9 | 234 | 88.3 | 19.4 | 126 | 55.3 | 191 | 83.4 | 50.9 |
| High school or equivalent | 194 | 74.9 | 235 | 90.7 | 21.1 | 125 | 59.2 | 179 | 83.6 | 41.2 |
| Training program | 40 | 72.7 | 54 | 98.2 | 35.0 | 33 | 63.5 | 47 | 90.4 | 42.4 |
| College | 145 | 73.2 | 177 | 89.4 | 22.1 | 127 | 78.4 | 153 | 95.0 | 21.2 |
| Unknown | 27 | 65.9 | 38 | 88.4 | 34.2 | 21 | 63.6 | 29 | 82.9 | 30.2 |
| Question 5 |  |  |  |  |  |  |  |  |  |  |
| Total | 514 | 63.1 | 645 | 78.7 | 24.6 | 411 | 59.9 | 622 | 90.0 | 50.2 |
| Education |  |  |  |  |  |  |  |  |  |  |
| Less than high school | 138 | 52.9 | 201 | 75.8 | 43.5 | 123 | 53.9 | 200 | 87.3 | 61.9 |
| High school or equivalent | 170 | 65.6 | 203 | 78.4 | 19.4 | 124 | 58.8 | 196 | 91.6 | 55.8 |
| Training program | 40 | 72.7 | 43 | 78.2 | 7.5 | 33 | 63.5 | 50 | 96.2 | 51.5 |
| College | 143 | 72.2 | 165 | 83.3 | 15.4 | 115 | 71.0 | 145 | 90.1 | 26.9 |
| Unknown | 23 | 56.1 | 33 | 76.7 | 36.8 | 16 | 48.5 | 31 | 88.6 | 82.7 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.
Pre- and posttest questions (and correct answers) are as follows:

| Breast Health Unit | Cervical Health Unit |
| :---: | :---: |
| 1. If you have a lump in your breast you absolutely have breast cancer (false). | 1. If you get an abnormal Pap test, it means you have cervical cancer (false). |
| 2. Starting at the age of 40, you should get a mammogram once a year (true). | 2. Women should get their first Pap test at age 21 or 3 years after they become sexually active (true). |
| 3. Mammograms cause breast cancer (false). | 3. Cervical cancer is preventable through routine screening (true). |
| 4. As women get older, their risk of breast cancer increases (true). | 4. Getting a positive HPV test means you have cervical cancer (false). |
| 5. You should have a clinical breast exam done by a healthcare provider every 5 years (false). | 5. Most women have been exposed to the Human Papilloma Virus (HPV) (true). |

## Aprendix D

Demographic Characteristics of the POPULATION SERVED, BY UNIT OF THE Curriculum

Appendix D. Demographic Characteristics of the Sample by Unit of the Curriculum

|  | Breast Health Unit |  | Cervical Health Unit |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Number | Percent | Number | Percent |
| Total | 798 | 100.0 | 669 | 100.0 |
| Age |  |  |  |  |
| Under 40 | 330 | 41.4 | 286 | 42.8 |
| 40-64 | 353 | 44.2 | 280 | 41.9 |
| 65 and over | 110 | 13.8 | 97 | 14.5 |
| Unknown | 5 | 0.6 | 6 | 0.9 |
| Race/Ethnicity |  |  |  |  |
| White | 151 | 18.9 | 134 | 20.0 |
| Black | 54 | 6.8 | 46 | 6.9 |
| Asian | 121 | 15.2 | 111 | 16.6 |
| Hispanic | 372 | 46.6 | 281 | 42.0 |
| Other | 6 | 0.8 | 6 | 0.9 |
| Refused/unknown | 94 | 11.8 | 91 | 13.6 |
| Form Language |  |  |  |  |
| English | 338 | 42.4 | 295 | 44.1 |
| Spanish | 300 | 37.6 | 234 | 35.0 |
| Portuguese | 120 | 15.0 | 120 | 17.9 |
| Khmer | 40 | 5.0 | 20 | 3.0 |
| Country of Birth |  |  |  |  |
| Born in U.S. | 159 | 19.9 | 135 | 20.2 |
| Foreign |  |  |  |  |
| < 1 year in U.S. | 40 | 5.0 | 30 | 4.5 |
| 1-5 years in U.S. | 110 | 13.8 | 91 | 13.6 |
| More than 5 years in U.S. | 437 | 54.8 | 369 | 55.2 |
| Unknown | 52 | 6.5 | 44 | 6.6 |
| Health Insurance |  |  |  |  |
| Yes | 652 | 81.7 | 562 | 84.0 |
| No | 130 | 16.3 | 97 | 14.5 |
| Unknown | 16 | 2.0 | 10 | 1.5 |
| Education |  |  |  |  |
| Less than high school | 250 | 31.3 | 226 | 33.8 |
| High School or equivalent | 258 | 32.3 | 205 | 30.6 |
| Training program | 52 | 6.5 | 50 | 7.5 |
| College | 196 | 24.6 | 156 | 23.3 |
| Unknown | 42 | 5.3 | 32 | 4.8 |

Source: Analysis of data collected from those educated during the initial phase of the Helping You Take Care of Yourself curriculum.


[^0]:    ${ }^{1}$ In 1993, to piggyback on the NBCCEDP, Congress authorized the CDC to set up the Well Integrated Screening and Evaluation for Women Across the Nation (WISEWOMAN) program, which offers the following services to NBCCEDP participants ages 40 to 64: (1) screening for cardiovascular disease risk factors and referrals to appropriate medical and community resources; (2) risk reduction counseling to inform women of their screening results and provide interpretation and recommendations; (3) lifestyle interventions to help women eat more healthfully, increase physical activity, and quit smoking; and (4) rescreening to provide feedback to participants and their providers about changes in risk factor profiles.
    ${ }^{2}$ In 2007, the WHN added a unit on cardiovascular health to the Helping You Take Care of Yourself curriculum.

[^1]:    ${ }^{3}$ MPR contracted with 21 organizations, but only 18 organizations fully participated in the project. This is discussed in greater detail in the discussion section of this report.

[^2]:    ${ }^{4}$ The Access database was developed by an MDPH contractor.

[^3]:    ${ }^{5}$ Hispanic was re-coded as a race because approximately 62 percent of the 400 Hispanic women either checked 'refused' as their response or left the question blank. Hispanic women reported the following races: 139 ( 35 percent) white, 10 ( 3 percent) black, 2 (less than 1 percent) Native Hawaiian or Pacific Islander, 3 (less than 1 percent) Native American, 113 (28 percent) refused, 133 ( 33 percent) left the question blank.

[^4]:    ${ }^{6}$ The sample for tables 1 through 4 is the total number of women educated by either or both units of the curriculum (872). We present this information for both units combined because there were no significant differences between those trained in breast health and those trained in cervical health (Appendix D).
    ${ }^{7}$ Twenty-eight of the 872 women (4 percent) were under 18 years of age and 86 (10 percent) did not report a birth date.
    ${ }^{8}$ In some cases, organizations told us that men accompanied women to the educational sessions and filled out forms; in a handful of other cases, the names on the forms were obviously male names. In both cases, data were not entered for men.
    ${ }^{9}$ Although forms were completed in English, anecdotal evidence suggests that not all trainings were held in English. For instance, at least one CBO translated the educational materials into Vietnamese and had women complete the forms in English. The translation was not ad hoc, in that it was done in advance of the training, but it was not checked by translators external to the CBO. It is unclear if the women educated in Vietnamese could read English or if trainers helped them complete the forms in some way. This will be investigated more fully through a qualitative evaluation.

[^5]:    ${ }^{10}$ Our sample includes a small number of women less than age 18, so the comparison group is not completely matched to the sample; but the small number of women less than age 18 is unlikely to change the results drastically.

[^6]:    ${ }^{11}$ Once all organizations had submitted forms, extra funds from those who did not reach their targets were used to pay organizations that educated women beyond the number in their agreements.

