

Adult Basic Education/English as a Second Language

Program Details

Adult Basic Education (ABE) and English as a Second Language (ESL) are provided by community and technical colleges and, to a lesser extent, community-based organizations. Among the ABE/ESL participants included in this report, 98 percent received their education at community and technical colleges and 2 percent received instruction at community-based organizations. This report is limited to adults who identified employment-related reasons for enrolling in basic skills courses and who proceeded to take only basic skills courses.¹ Those who took basic skills courses for non-employment-related reasons are not included, although their learning progress is tracked by the State Board for Community and Technical Colleges.

Every year, the Workforce Board measures the performance of key workforce programs. In this report, you'll find out more about the program and who is served, the metrics used to measure performance and how the program performed.

ABE provides instruction in reading, writing, and mathematics for adults whose skills are at or below the eighth grade level; GED Test Preparation in basic academic skills beyond ABE for participants whose goal is to pass the high school equivalency examination; and High School Completion instruction for adults who want to earn an adult high school diploma. Students enrolled in Integrated Basic Education and Skills Training (I-BEST), for those transitioning into professional technical/academic certificate and degree programs, are briefly discussed in the net benefit section of this chapter, but are more extensively analyzed as part of the student population studied in the chapter on Community and Technical Colleges (CTC) Professional-Technical Education.

ESL provides basic skills instruction and non-transfer level instruction across a wide range of competency levels in reading, writing, speaking, and listening in English. Some I-BEST programs also include ESL instruction.

Participant Profile

For this 2013 report, researchers studied the results of 29,394 participants who left an ABE/ESL program during the most recent reporting year.² ABE/ESL serves the most racially and ethnically diverse participants of any workforce development program in this report. The percentage of African Americans in ABE is higher than the percentage of African Americans statewide (16 percent versus 3 percent), Asians (15 percent versus 7 percent), and Hispanics (21 percent versus 12 percent), Pacific Islanders (1.6 percent versus .6 percent).

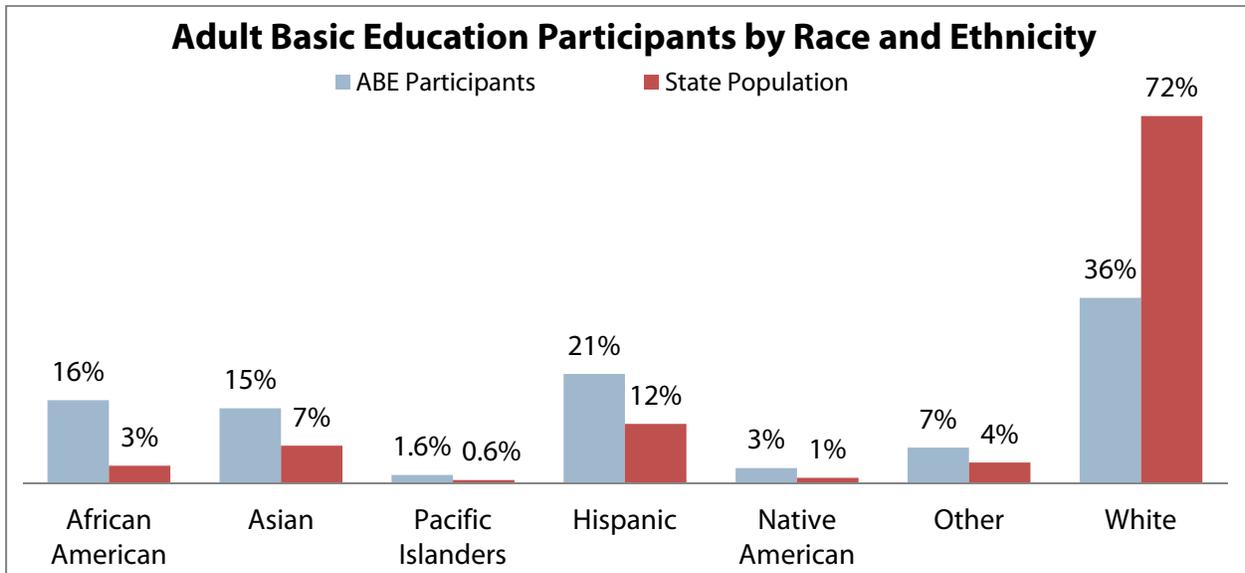
¹ Individuals taking both vocational courses and basic skills are included in the chapter on CTC Professional-Technical Education, which presents net impact estimates for participants taking a blend of basic skills and vocational training.

² The 2013 Workforce Training Results reports are based on data observed in 2011-12 for individuals exiting programs during 2010-11.

2013 Workforce Training Results

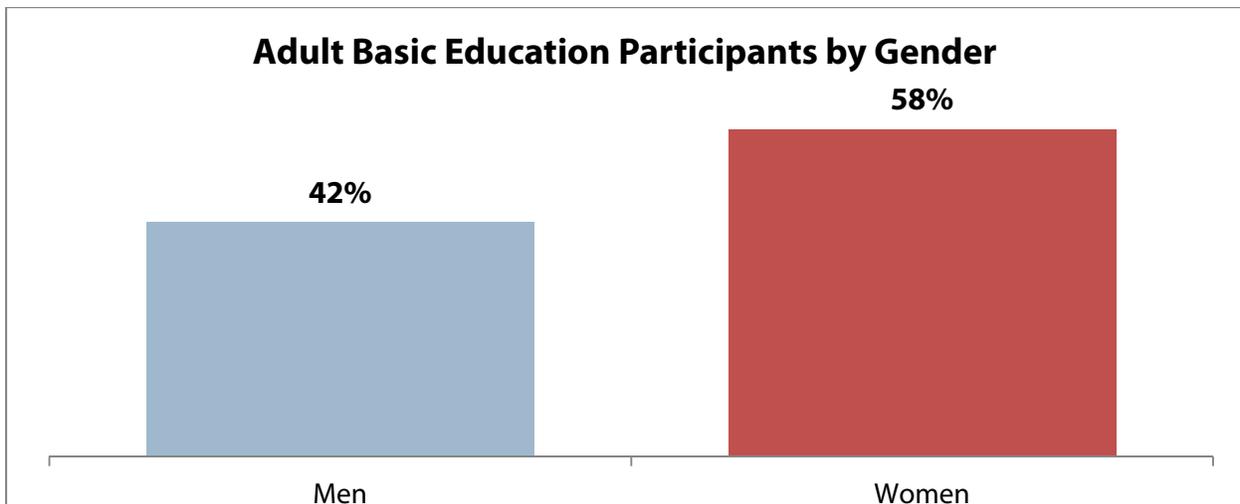
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The percentage of ABE/ESL participants who are an ethnic/racial minority is significantly higher than the percentage of minorities statewide. Non-whites comprised 64 percent of the participants, one percentage point higher than the 63 percent from last year's report.³



Source: Community and Technical Colleges Administrative Data 2010-11 and 2011 American Community Survey.

Some 58 percent of participants were women, the same percentage as the previous report.



Source: Community and Technical Colleges Administrative Data 2010-11.

³In this report, unless otherwise stated, racial and ethnic minority groups are mutually exclusive; that is, an individual belongs to one group only. The groups include the following: Hispanics of any race (also referred to as Hispanics); non-Hispanic African Americans (also referred to as African Americans); non-Hispanic Asians (also referred to as Asians); non-Hispanic Pacific Islanders (also referred to as Pacific Islanders); non-Hispanic Native Americans and Alaskan Natives (also referred to as Native Americans); non-Hispanic multiracial (also referred to as multiracial); and non-Hispanic whites (also referred to as whites). According to the 2011 U.S. Census Bureau estimates for Washington from the American Community Survey, 72 percent are white; 3 percent are African American; 1 percent are Native American; 7 percent are Asian; 1 percent are Pacific Islander; 4 percent are multiracial; and 12 percent are Hispanic.

The median age of participants leaving an ABE/ESL program was 30 years old. A quarter of participants were under age 23, while a quarter of the participants were over age 39.

Tracking ABE/ESL Progress

The Workforce Board routinely measures the performance of our state's largest workforce programs. As a customer-focused advocate for Washington's workers and employers, the Workforce Board strives to provide performance accountability, verifying whether worker education and training programs provide a return on investment for participants and taxpayers.

The Workforce Training Results report seeks to answer five core questions:

- Did participants get the skills they needed?
- Did participants get a job and how much were they paid?
- Were employers satisfied with the preparation workers received?
- Has the program made a difference in the participant's success?
- Did participants and the public receive a return on their investment?

Data Comes From State Wage Files

The 2013 Workforce Training Results includes information obtained from Employment Security Department wage files in Washington, Idaho, and Oregon, and federal employment records for 2011-12.

Net Impact Study Adds More Insight into Program Performance

In addition, the report includes a comprehensive Net Impact Study. Conducted every four years, this study provides a head-to-head comparison of participants and non-participants to help answer a central question: How much of a workforce participant's success in obtaining a job, or a higher wage, is due to the workforce program? By comparing program participants with similar individuals who did not participate in a workforce training program, the Net Impact Study indicates whether employment and earnings gains are due to the workforce program, or if workers could have made this progress on their own. This research also allows for a more detailed analysis as to whether the participant and the public received a return on their investment in the program.

Did Participants Have a Job and How Much Were They Paid?

To find out whether participants had jobs and how much they earned, participant records were matched with Employment Security Department wage files from Washington and neighboring states.⁴

According to record matches, 48 percent of ABE/ESL participants had employment during the third quarter after they left the program-- the same percentage of employed participants observed in 2012. Their median hourly wage of \$11.04, and median annual earnings of \$16,808, was slightly lower than in the prior program year.⁵ Over the past decade, employment rates have declined and earnings have stagnated.

Turn to page 18 for the Net Impact Study. Conducted every four years, this in-depth report adds extra value to 2013 Workforce Training Results. The study provides a side-by-side comparison of participants vs. similar non-participants, answering the question of whether the program is making a difference.

Employment and Earnings for Adult Basic Education/English as a Second Language Participants, 2013

Performance Measure	Results
Employment Rate*	48%
Full Time Employment **	50%
Median Hourly Wage***	\$11.04
Median Quarterly Hours	386
Median Annualized Earnings***	\$16,808

* These figures apply to those with employment reported to state employment agencies six to nine months after leaving the program. Rate does not include self-employment, employment outside the Northwest or military service and thus understates total employment by approximately 10 percent.

**Full-time employment averages 30 or more hours per week.

***Earnings/wages expressed in first quarter 2012 dollars in order to account for inflation.

⁴ These files contain quarterly earnings and hours worked information on those individuals with employment reported for unemployment insurance (UI) benefits purposes (approximately 90 percent of in-state employment, with self-employment, active duty military, and those working for religious nonprofit organizations being the major groups of employers not included).

⁵ Annual earnings are calculated as third quarter earnings multiplied by four. Quarterly earnings are the result of hourly wage rates and the number of hours worked in a calendar quarter. All wages and earnings are stated in first quarter 2012 dollars.

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Earnings of ABE/ESL Participants

To better gauge the financial effectiveness of Washington’s workforce programs, it helps to frame income levels. One common yardstick is the federal poverty level. In 2012, the federal poverty level for one person was \$11,170 per year.⁶

In 2013, ABE/ESL participants were able to support a median 2.4 people at the poverty level—meaning they could support themselves plus one and a half other people. They did not have enough earnings to support themselves, let alone others, at 200 percent of the poverty level (.8 people).

Number of People Supported at Poverty Level by Participant Income

Performance Measure	2006	2008	2010	2011	2012	2013
Number of people supported at poverty level	2.7 people	2.9 people	2.8 people	2.6 people	2.5 people	2.4 people
Number of people supported at 200 percent poverty*	0.8 people					

**The number of people supported at the 200 percent of poverty level appears to stay the same because of rounding.*

ABE/ESL Participants Receiving Benefits from Employers

Performance Measure	2006	2008	2010*	2011	2012*	2013*
Self-Reported Medical Benefits from Employer	44%	44%	N/A	38%	N/A	N/A
Self-Reported Retirement Benefits from Employer	23%	28%	N/A	28%	N/A	N/A

**Due to budget limitations, the Participant Survey was not conducted for the 2010, 2012, or 2013 reports.*

⁶ Poverty levels from 2012 were used in this edition of Workforce Training Results to measure the results of workforce programs on participants observed in 2011-12. The federal poverty level is determined by the Department of Health and Human Services. The level varies according to family size. The number is adjusted for inflation and reported annually in the form of poverty guidelines. Public assistance programs typically define eligibility income limits as some percentage of the federal poverty level.

The next table shows employment and earnings over the course of six study periods. This data is also represented in a graph on the following page for the years 2006-13.

Employment and Earnings Trends for ABE/ESL Participants

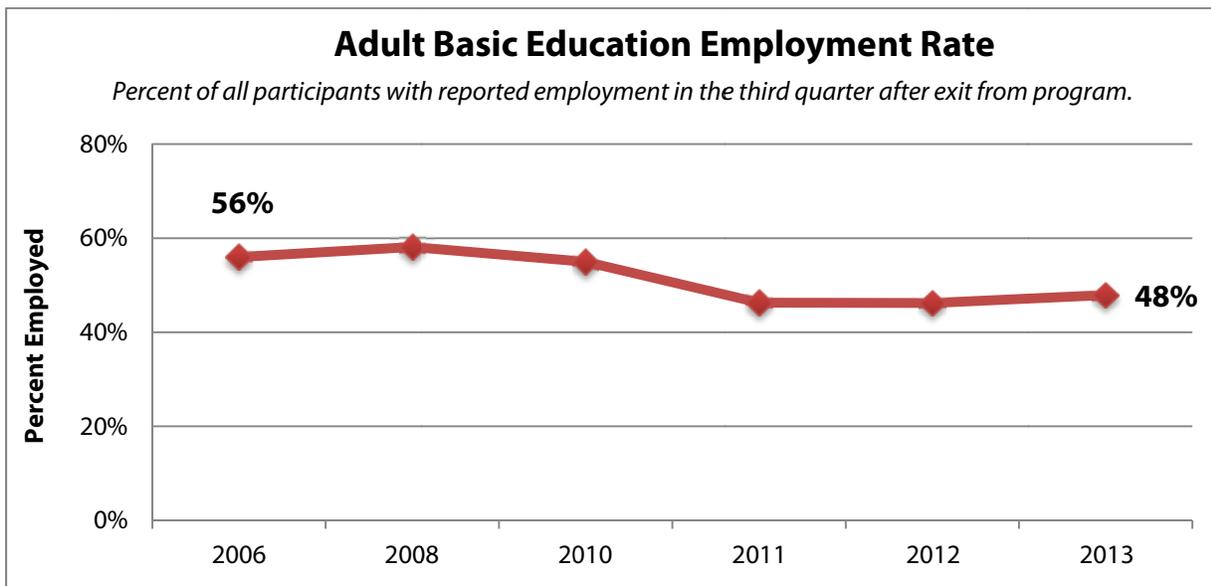
Performance Measure	2006	2008	2010	2011	2012	2013
Employment Rate (Self-Reported)	64%	69%	N/A	61%	N/A	N/A
Employment Rate* (State Records)	56%	58%	55%	46%	46%	48%
Full Time Employment**	54%	54%	53%	49%	48%	50%
Median Quarterly Hours	412	420	402	385	382	386
Median Hourly Wage***	\$11.40	\$11.46	\$11.80	\$11.37	\$11.19	\$11.04
Median Annualized Earnings***	\$17,955	\$18,769	\$18,320	\$17,266	\$16,871	\$16,808

*These figures apply to those with employment reported to the state’s Employment Security Department six to nine months after leaving program. Rate does not include self-employment, employment outside the Northwest or military service and thus understates total employment by approximately 10 percent.

**Full-time employment averages 30 or more hours per week.

***Earnings/wages expressed in first quarter 2012 dollars in order to account for inflation.

The percentage of participants who were employed in 2013 rose 2 percentage points, from 46 percent to 48 percent.

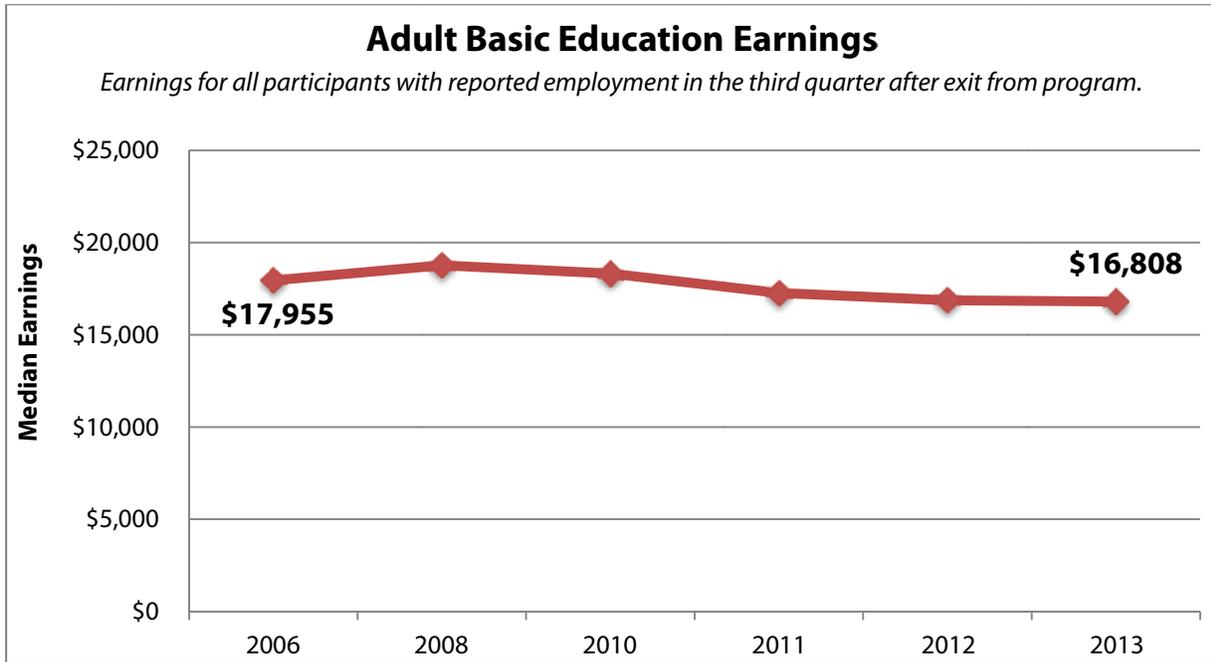


Source: Workforce Training Results 2006-13. Rate does not include self-employment, employment outside the Northwest or military service and thus understates total employment by approximately 10 percent.

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Median annualized earnings for ABE/ESL participants decreased slightly, from \$16,871 to \$16,808; median annualized earnings have been declining since a high of \$18,769 in 2008.



Source: Workforce Training Results 2006-13. Note: This chart shows annualized earnings in 2012 first quarter dollars to account for inflation.

Adult Basic Education Employment by Industry

Employment among ABE/ESL participants is heavily concentrated in services, retail trade, and manufacturing industries. In 2013, the percentage of participants employed in services is one percentage point below last year (55 versus 56 percent). Employment in the retail trades and manufacturing has stayed the same.

Industry Group	
55%	Services (<i>see breakout below</i>)
16%	Retail Trades (<i>see breakout below</i>)
11%	Manufacturing (<i>see breakout below</i>)
4%	Construction
4%	Natural Resources and Mining
3%	Transportation, Warehousing and Utilities
3%	Wholesale Trade
2%	Financial Services
1.3%	Public Administration
0.6%	Information
Breakout of Services Industry	
13.0%	Administrative and Support and Waste Management and Remediation Services
12.6%	Health Care
9.6%	All Other Services
8.0%	Social Assistance
5.6%	Accommodation and Food Services
2.9%	Education Services
2.6%	Arts, Entertainment, and Recreation
1.2%	Professional, Scientific, and Technical Services
Breakout of Retail Trade Industry	
4.7%	Department Stores and Warehouse Clubs
4.0%	Groceries, Supermarkets & Specialty Foods
2.1%	All Other Retail
1.8%	Clothing and Accessories Stores
1.3%	Gas Stations/Convenience Stores
1.2%	Motor Vehicle and Accessories Sales
1.0%	Home furnishings,Garden,Hardware
Breakout of Manufacturing	
3.8%	All Other Manufacturing
3.4%	Food & Beverage
1.7%	Transportation Equipment
1.0%	Fabricated Metal Products
0.7%	Wood & Paper Products

Source: Matches with Employment Security Department data in third quarter after exiting program. Industry groups based on North American Industry Classification System codes.

Relationship of Training to Employment

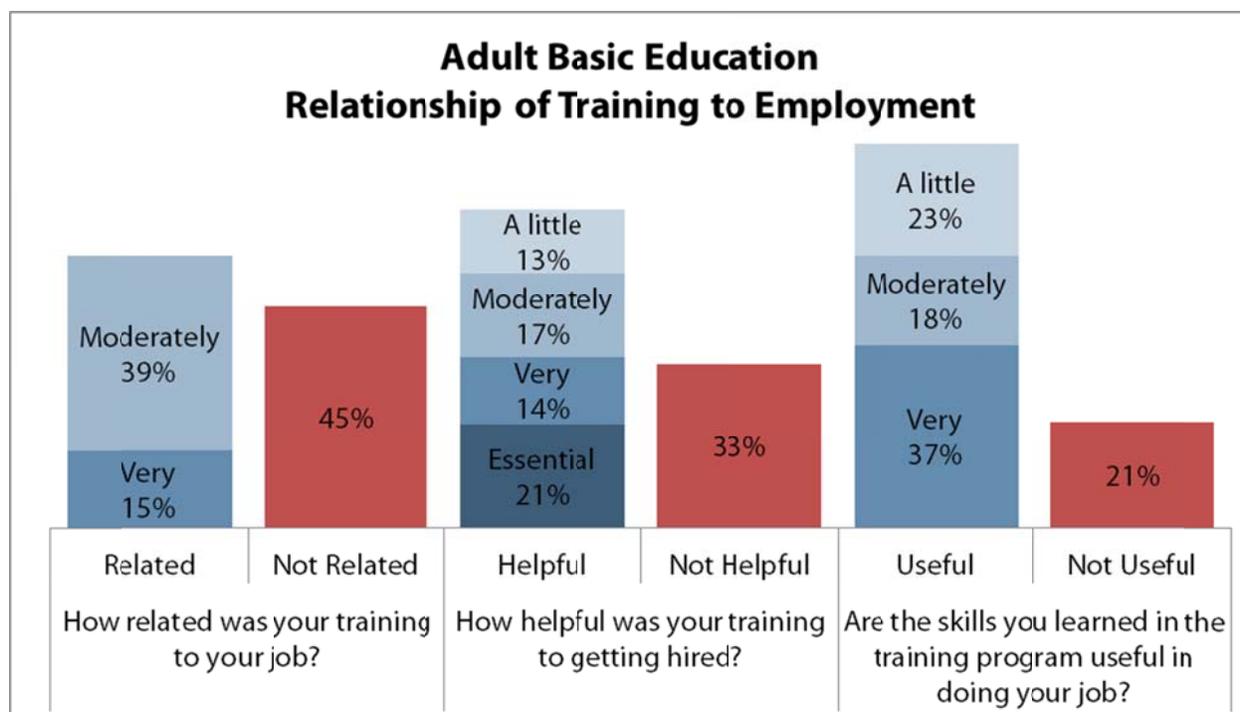
In 2011, the Workforce Board surveyed ABE/ESL participants who had left their program in 2009-10. The survey provided data on employment and participant satisfaction with the training. The survey was conducted by telephone and was completed by 253 participants.

To measure the extent to which a participant’s education program and training related to employment, we asked participants three questions:

1. How related was the program to their job?
2. How important was the training in getting hired?
3. Are the skills they learned useful in their job?

Asking about the relationship between training and employment in different ways can produce more complete information. For example, some participants said their training was not related to their job, but nevertheless found the skills acquired were useful on the job.

Among ABE participants employed six to nine months after leaving a program, 15 percent said their training was “very related” to their job. A further 39 percent reported the training was “moderately related” to their job. Compared to 2008, participants in 2011 reported slightly lower rates of training related to employment, by 3 percentage points in each category.



Source: Workforce Board's Participant Satisfaction Survey 2011.

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Participants interviewed in 2011 also indicated the training was helpful to them in getting their job. Of those participants, 21 percent indicated their training was an “essential requirement,” another 14 percent indicated it was “very important,” and 17 percent reported it was “moderately important.” Thirteen percent said it was “a little helpful.” Some 33 percent indicated their training was “not important at all” to getting their job.

Three out of four participants said the skills they learned in their training program were useful in doing their job. Some 37 percent of participants indicated the skills were “very useful,” 18 percent said “moderately useful,” and 23 percent “a little useful.” The remaining 21 percent of ABE participants who were employed indicated the skills were “not useful at all.”

When combining two of the questions about the program’s relationship to the job and about whether the skills acquired were helpful, a small percentage of participants answered negatively to both. Some 19 percent of participants employed the third quarter after exit said the training they received was *neither* helpful in their job nor related to the job they obtained.

Wages and Employment Results Vary by Population

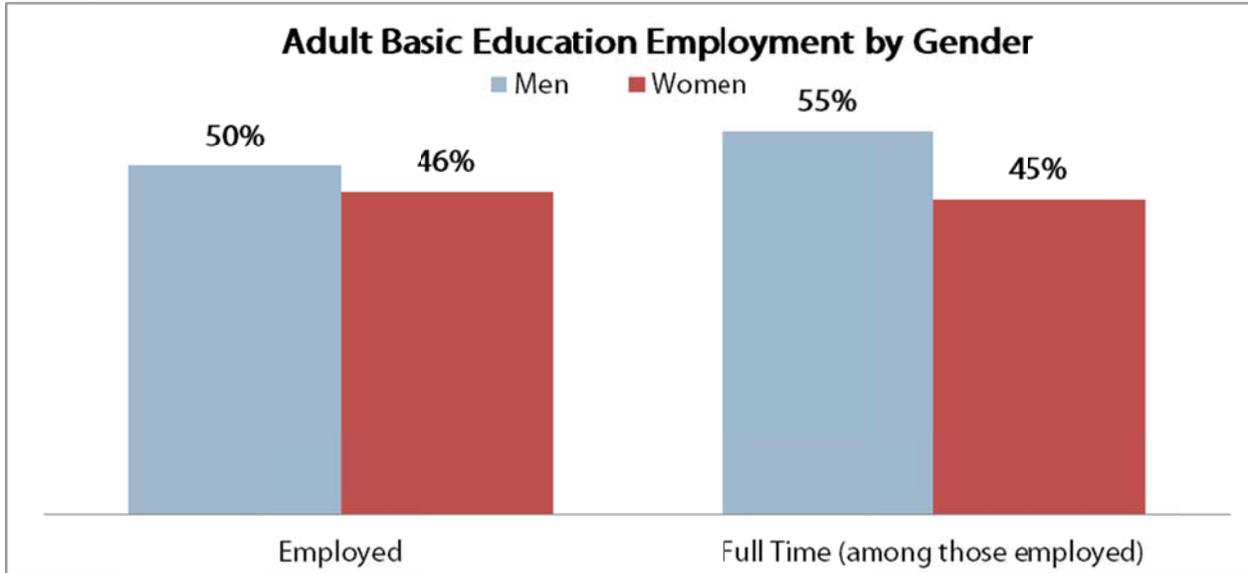
Wage and employment results can vary by gender, race and ethnicity, and disability. Among participants employed during the third quarter after exit, there is a substantial gender gap in labor market outcomes. Female ABE/ESL participant’s employment rate, hours worked, hourly wage, and annual earnings are lower than men’s; in addition the ratio between men’s and women’s employment rates, hours worked, earnings, and wages have decreased since the 2012 report.

Gender Differences in Labor Market Outcomes Among ABE/ESL Students in the Third Quarter After Leaving Program			
	Women	Men	Ratio
Employment Reported to ESD	46%	50%	92%
Median Quarterly Hours Worked	360	423	85%
Median Hourly Wage	\$10.65	\$11.79	90%
Median Annual Earnings*	\$15,134	\$19,352	78%

Source: Matches with Employment Security Department data.

*Earnings/wages expressed in first quarter 2012 dollars in order to account for inflation.

The following chart shows the percentage of men and women ABE/ESL participants who reported being employed. Also broken out is the percentage of those working that held full-time jobs. Male ABE participants were more likely to be employed (50 percent compared to 46 percent) and also more likely to be working full time (55 percent compared to 45 percent).



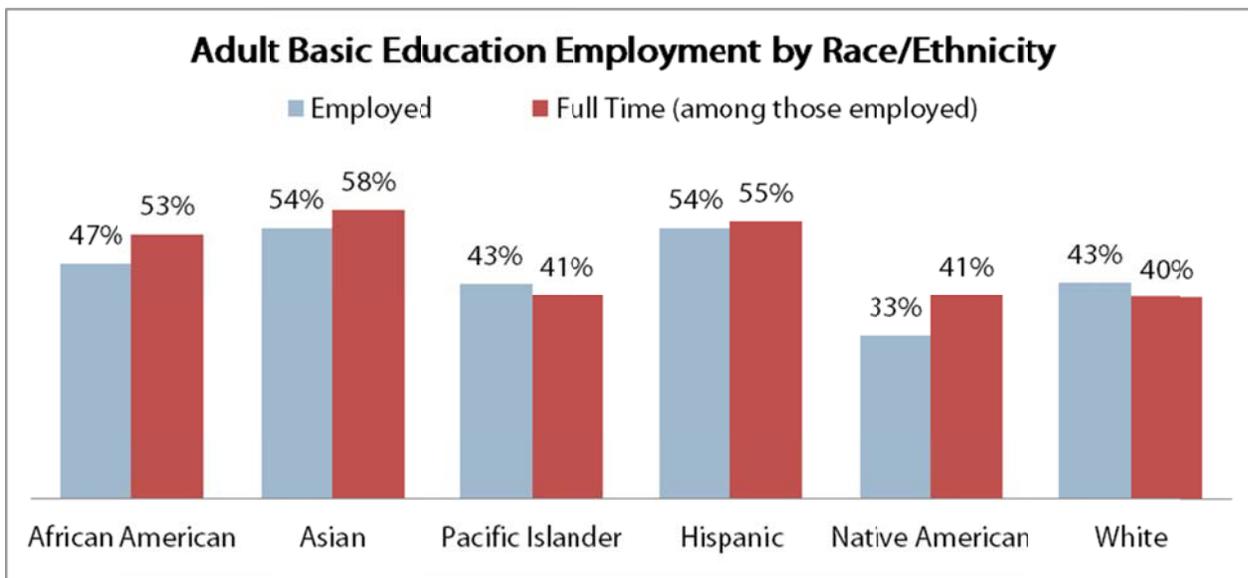
Source: Matches with Community and Technical Colleges Administrative Data and Employment Security Department data.

Race/Ethnicity Plays Role

ABE/ESL program graduates had different employment rates when comparing race and ethnicity. The highest employment rate was found among Hispanics and Asians (54 percent), followed by African Americans (47 percent), whites and Pacific Islanders (43 percent) and Native Americans (33 percent). Of those ABE/ESL participants who were working, the percentage with full-time employment also varied according to race and ethnicity. Asians had the highest percentage working full time (58 percent), followed by Hispanics (55 percent), African Americans (53 percent), Native Americans, and Pacific Islanders (41 percent). The lowest percentage working full time was whites (40 percent).

Median hourly wages appear to follow the pattern of employment by race, with the highest wages earned by those with the highest employment rates: among Hispanics (\$11.48), Asian (\$11.25), and slightly lower wages among whites (\$10.80), African Americans (\$10.78), Pacific Islanders (\$10.39), and Native Americans (\$10.31).

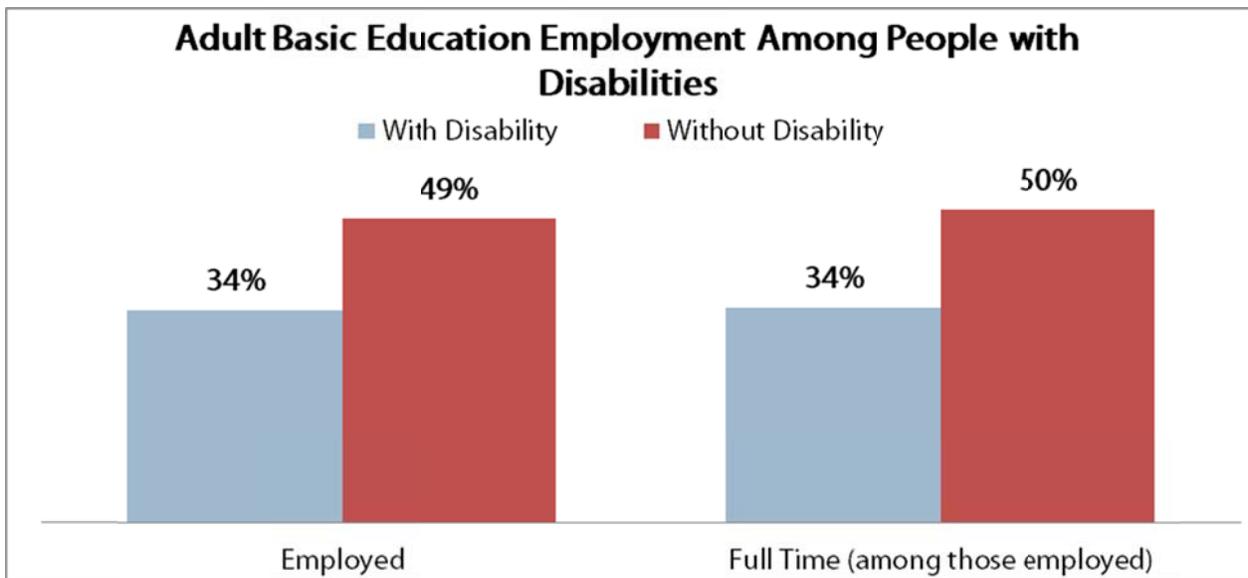
Median annual earnings follow the same pattern as full time employment: Asians have the highest earnings, at \$19,234, followed by Hispanics (\$18,836), African Americans (\$17,423), whites (\$13,992), Native Americans (\$13,134), and Pacific Islanders (\$12,619).



Source: Matches with Community and Technical Colleges Administrative Data and Employment Security Department data.

Disability Impacts Employment, Earnings

Among 2013 ABE/ESL participants, 4.2 percent had a disability (less than the 12.5 percent of the general population who have a disability).⁷ Participants with disabilities did less well in the labor market than other participants. They were less likely to have employment reported to the state's Employment Security Department (34 percent versus 49 percent for participants without a disability). This is the percentage observed in the last report. Participants with disabilities were also less likely to work full time than participants without a disability (34 percent versus 50 percent), their median hourly wage (\$10.56 versus \$11.05) was 96 percent of the amount earned by participants without a disability, and median annual earnings were nearly 70 percent for those with a disability compared to those without a disability (\$11,872 versus \$16,977).



Source: Community and Technical Colleges Administrative Data and Employment Security Department data matches 2010-11.

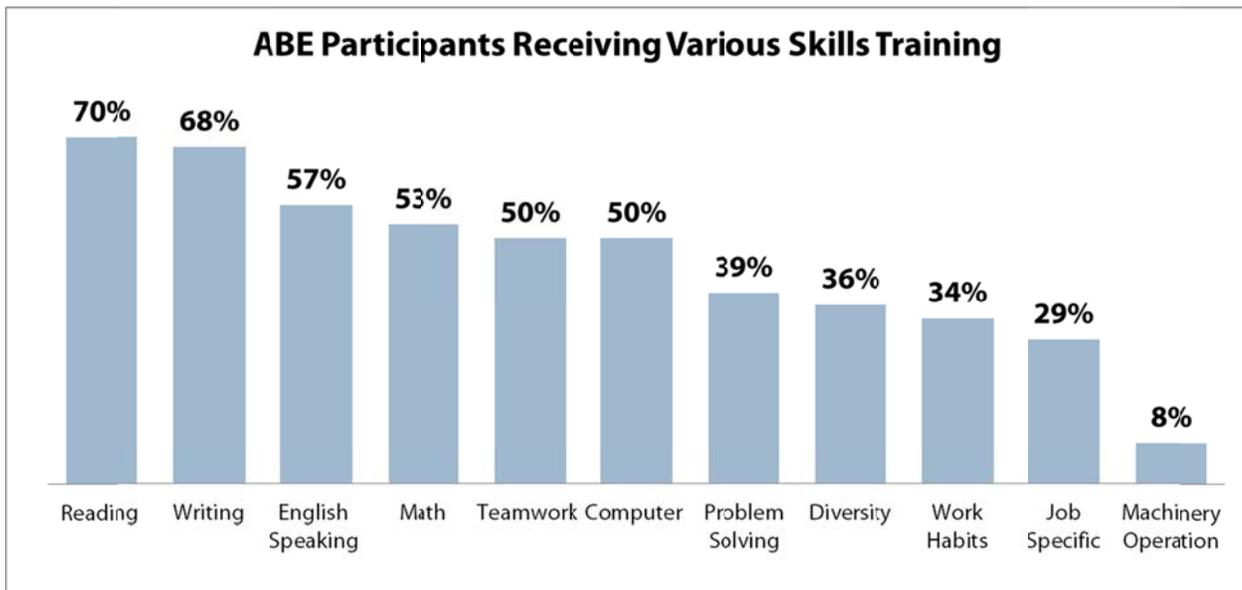
Participant Survey

In 2011, the Workforce Board surveyed ABE/ESL participants who had left their program in 2009-10. The survey provided data on employment and participant satisfaction with the training. The survey was conducted by telephone and was completed by 253 participants.

⁷ 2011 U.S. Census Bureau estimates from the American Community Survey, Table S0201 – Selected Population Profile in the United States.

According to survey results, 73 percent of participants indicated they entered an ABE/ESL program to learn skills for a new job. Participants also said they enrolled for their own personal enjoyment or improvement (91 percent), or to improve their English speaking or reading skills (70 and 72 percent respectively).

As in previous studies, the large majority of participants received instruction in reading and writing. About half of participants received instruction in math. Fewer received training in workplace skills such as problem solving, diversity, and work habits. The highest percentage of participants, 76 percent, said they gained reading skills, followed closely by 75 percent who reported writing skills.



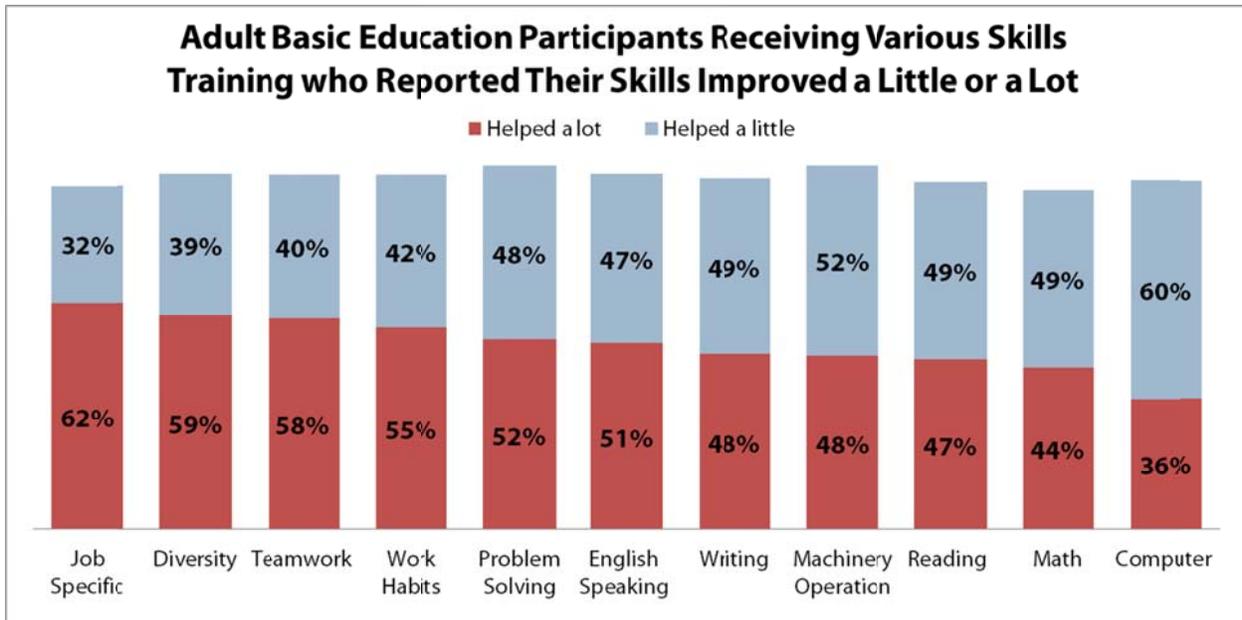
Source: Workforce Board's Participant Satisfaction Survey 2011.

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As in the previous study, most participants reported their skills improved in the areas where they received instruction. Participants tended to report higher levels of improvement with workplace skills, such as teamwork, diversity and work habits than with basic skills such as computer, writing or math.

The percentage of participants who reported a lot of improvement in work habits increased 7 percentage points (from 48 percent to 55 percent). In all other areas the percent who reported their skills improving a lot remained the same or changed only marginally compared to the prior study.



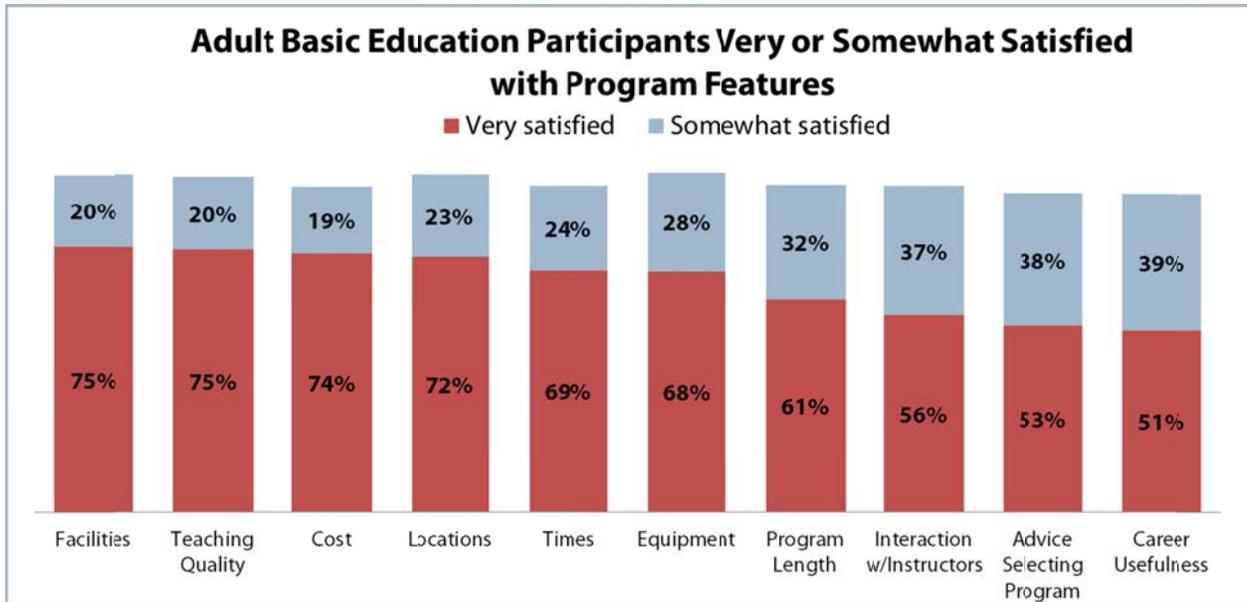
Source: Workforce Board's Participant Satisfaction Survey 2011.

Participant Satisfaction

In general, participants were satisfied with the training they received. Some 93 percent of participants reported being satisfied with their program overall. However, the percentage who stated that they had met their educational objectives decreased from 78 percent in the previous study to 68 percent this year. A majority of participants indicated satisfaction with various program features. Three-quarters of participants reported they were "very satisfied" with program facilities and teaching quality.

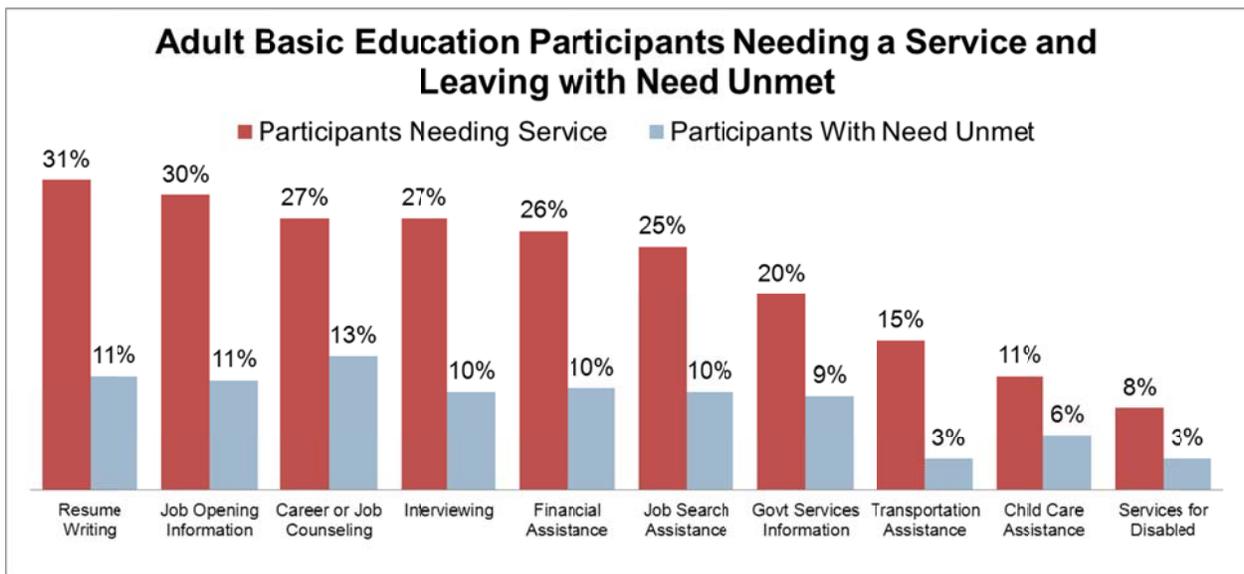
Compared to the 2008 survey, the program feature with the largest increase of participants reporting they were "very satisfied" was equipment (which increased from 63 to 68 percent). The only feature to have a decrease in the percentage of students reporting they were "very satisfied" was career usefulness, which dropped from 56 percent to 51 percent since the last survey.

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Source: Workforce Board's Participant Satisfaction Survey 2011.

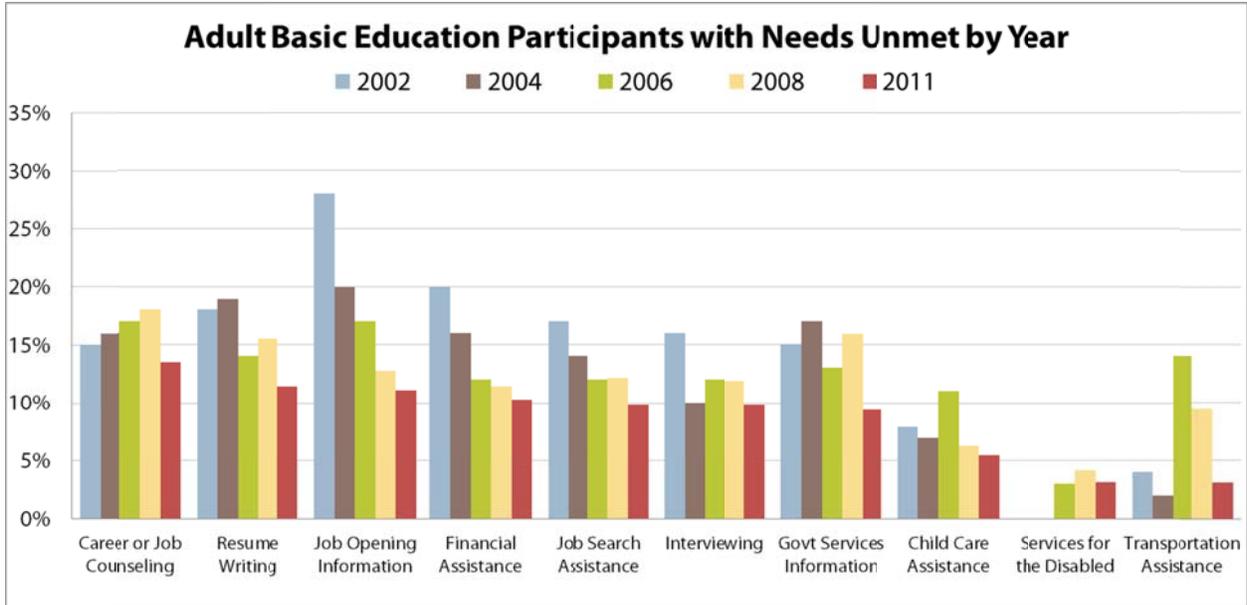
The support services that participants were most likely to report needing more services related to finding a job (including resume writing, job opening information, interviewing and career counseling). Participants were more likely than not to receive the services they needed. However, a relatively high 13 percent said they left the program with their need for job counseling unmet. An unmet need for resume writing, other government services, interviewing, and job opening information was reported by about one in every 10 students.⁸



Source: Workforce Board's Participant Satisfaction Survey 2011.

⁸ Unmet need refers to cases where the student reports that either they did not receive the required service or what was provided did not meet their needs.

The percentage of participants who reported leaving the program with an unmet need has declined in nearly every category, not only since the last participant survey, but since 2004. The largest decrease in unmet need came in transportation assistance, which dropped from 9 percent to 3 percent since the last survey.



Source: Workforce Board's Participant Satisfaction Surveys 2002-11.

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Net Impact - Did Program Make a Difference in Participant Success

Every four years the Workforce Board conducts net impact and cost-benefit analyses of workforce development programs. This detailed study compares participants and non-participants. The net impact part of this study attempts to measure whether the program made a difference in the participant's success. Washington is the only state to periodically conduct rigorous net impact evaluations of its workforce programs.

The Adult Basic Education program has positive net impacts on annualized earnings.

The net impact analysis was conducted by the W.E. Upjohn Institute for Employment Research (Upjohn), a national leader in evaluating training programs. To do the analysis, Upjohn studied program participants to see what results they achieved and compared these results with a control group. Individuals who participated in a WIA Adult program were compared to individuals who had similar demographic characteristics, but who did not participate in any of the programs included in the study. The comparison group members were selected from among those who registered with WorkSource, Washington's one-stop career center system.

The most recent net impact analyses examined experiences of participants who left the ABE/ESL Training program through 2009. The short-term impact (Program Year 2007-08) was observed in 2008-09, while the long-term impact (Program Year 2005-06) was observed from 2006-07 through 2008-09.

Impact on Employment and Earnings: Participants vs. Control Group

ABE/ESL Participants	Short-term [^]	Long-term [^]
Net Employment Impact*	No significant positive impact	No significant positive impact
Net Hourly Wage Impact**	No significant positive impact	No significant positive impact
Net Quarterly Hours Impact	15.4	15.1
Annualized Earnings**	\$983	\$885

[^]Short-term is three quarters after program exit. Long-term is average across three years since program exit.

*Percentages listed are employment percentage points above those of the control group of non-participants.

**Wages and earnings, expressed in first quarter 2012 dollars; represent the average difference between ABE/ESL participants who got jobs and those in the control group who were employed.

To estimate these impacts, individuals who received employment-related ABE/ESL education were compared to individuals who had similar characteristics within the state's employment service, but who did not participate in any of the programs included in the study.⁹ Additional

⁹ The net impact study excludes individuals who enrolled in ABE/ESL programs for personal enhancement or non-employment-related purposes.

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estimates were made for a cohort of ABE/ESL participants who also participated in CTC Professional Technical Education.

As can be seen above, Adult Basic Education participants worked more hours per quarter than non-participants in the control group. They also garnered higher annualized earnings than those who did not participate. However, the program did not have a significant positive impact on employment and hourly wages.

Costs and Benefits

The cost-benefit analysis estimates the value of the net impact on earnings, employee benefits (estimated at 25 percent of earnings), unemployment insurance benefits, and certain taxes.

Program costs include both direct program costs and support payments borne by the government and the earnings students gave up while participating in the program. Benefits and costs are calculated for both the observed period of time and based upon a statistical model that estimated the benefits and costs out to the age of 65. In order to compare benefits and costs in terms of net present values, post-program benefits and costs are discounted by 3 percent per year and all figures are stated in 2012 Q1 dollars to control for inflation. The benefits and costs presented here are based on impacts estimated for students leaving programs in 2005-2006 (observed from 2006-07 through 2008-09), because a longer-term follow up is required for this analysis. The results are for those students who took only basic skills courses in the colleges.

For each student in ABE/ESL only, the public (taxpayer) cost is about \$2,810 over the length of their enrollment, and the student cost is \$116 in foregone earnings while in school. The average ABE/ESL student makes no net gains in earnings in either the first two and one-half years after leaving college or during the course of working life to age 65 compared to similar individuals who did not participate in any of the workforce development programs.

Participant and Public Benefits and Costs per Participant in Community and Technical Colleges ABE Programs

Benefit/Cost	First 2.5 years		Lifetime (until 65)		Sum of Costs and Benefits
	Participant	Public	Participant	Public	
Benefits *					
Earnings	-	-	-	-	
Fringe Benefits	-	-	-	-	
Taxes	-	-	-	-	
Transfers					
UI	-\$727	\$727	-\$1,090	\$1,090	
Costs					
Foregone net earnings	\$116	\$13	\$116	\$13	
Program costs	\$0	-\$2,810	\$0	-\$2,810	
Benefits	-	-	-	-	
Costs	\$116	-\$2,797	\$116	-\$2,797	
Total (Net)	-	-	-	-	

Note: Benefits and costs are expressed in 2012 first quarter dollars. Upjohn estimated the impact of the net change in earnings of Social Security, Medicare, federal income, and state sales taxes.

Again, the above findings are for students who participated in ABE/ESL only and do not include students who also participated in professional-technical education or other training. In contrast, Integrated Basic Skills Education and Training (I-BEST), that combines adult education with professional-technical training, has significant positive impacts on participant employment and earnings.

Impact on Employment and Earnings: I-BEST Participants vs. Control Group

I-BEST Participants	Short-term [^]
Net Employment Impact*	3.9 percentage points
Net Hourly Wage Impact**	\$1.38
Net Quarterly Hours Impact	35.3
Annualized Earnings**	\$2,614

[^]Short-term is three quarters after program exit. Long-term results are not yet available for I-BEST

*Percentages listed are employment percentage points above those of the control group of non-participants.

**Wages and earnings, expressed in first quarter 2012 dollars; represent the average difference between I-BEST participants who got jobs and those in the control group who were employed.

Summary and Areas for Improvement

As reported in previous studies, the employment and earnings results are weak for students who participate in Adult Basic Education without also receiving professional-technical training. Although participants report high levels of satisfaction with their program, the study does not find a positive impact on the average student's employment and hourly wages. On a positive note, there has been a clear trend over time toward meeting more students' needs for support services.

The findings show a substantial net impact on employment and earnings for students who participated in I-BEST, combining adult education with professional-technical training. These results are strong evidence of the importance of investing resources in I-BEST and similar alternative methods of delivering adult education.