

**Trade Adjustment Assistance Program
2002-2003 Exit Cohort
5-Year Longitudinal Study**

Methodology

The Labor Market and Career Information (LMCI) department of the Texas Workforce Commission (TWC) used 10,669 archived seed records. This was comprised of Trade Adjustment Assistance participants who exited the program between July 1, 2002 and June 30, 2003.¹

The seed records were linked to TWC Unemployment Insurance (UI) wage records for the 4th quarter of 2003 (4Q2003) to determine employment and earnings (baseline measure, 4Q2003). For the longitudinal snapshot, the seed records were linked to the UI wage records for the 4th quarter of 2007 (4Q2007) to determine delayed or long-term program results. Additional employment and earnings linkages were performed with the U.S. Department of Defense (DOD), the U.S. Office of Personnel Management (OPM), and the U.S. Postal Service (USPS). In the case where participants who were found working had earnings greater than or equal to \$25,000 in any target quarter were identified, these records were excluded from analysis based on the likelihood of inaccurate wage record data and to reduce the possibility of inappropriately skewing the data. Supplemental linkages were conducted with the Texas Bureau of Vital Statistics (TBVS) to determine deaths, as well as the Texas Department of Criminal Justice (TDCJ) to determine incarcerations. Cohort members who were found to be either deceased or incarcerated during the target quarters were excluded from this study. Exclusions from supplemental linkages resulted in 10,350 usable records.

This report will only analyze the group of participants that received training. We are only analyzing the Training Group because the data we received for the TAA group referred to Employment Services did not contain enough information about services received to be useful for analysis, and these individuals are part of the broader Employment Services cohort and are included in data we received for ES and the analysis associated with that data. Table 1 shows the final, usable seed record count by TAA Group.

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¹ Please reference the TAA chapter of the [ASALFS Final Report 2004](#) for more information regarding the seed records used for this report.

Table 1. 2002-2003 TAA Seed Records

Group	N
Training	3,656
No Training	6,694
Total	10,350

Results

Table 2 shows that, excluding the unknown group, male members of the training group had the highest employment by gender in 4Q2003, as well as 4Q2007. They also had the highest median quarterly earnings in 4Q2003 at \$4,173 and in 4Q2007 with \$6,717. Overall, the Training group had 4Q2003 employment of 66.2 percent with median earnings of \$3,200 and 4Q2007 employment of 70.2 percent with median quarterly earnings of \$4,879.

Table 2. Employment and Earnings in 4Q2003 and 4Q2007 for Training Group by Gender

All Working in 4Q2003				
Gender	N	N Working	% Working	Median Earnings
Female	2,536	1,652	65.1	\$2,945
Male	1,115	769	69.0	\$4,173
Unknown	5	n/a	n/a	n/a
Total	3,656	2,421	66.2	\$3,200
All Working in 4Q2007				
Gender	N	N Working	% Working	Median Earnings
Female	2,536	1,756	69.2	\$4,292
Male	1,115	807	72.4	\$6,717
Unknown	5	n/a	60.0	\$13,156
Total	3,656	2,566	70.2	\$4,879
Note: Cells with values smaller than 5 are marked "n/a" to protect the privacy of cohort members.				

When looking at employment and earnings numbers by ethnicity, we see that, of groups of appreciable size, Blacks had the highest employment in 4Q2003 at 71.3 percent (Table 3). Whites had the second-highest employment at 4Q2003 with 67.7 percent, while Asians had the highest median quarterly earnings with \$5,598.

Blacks again had the highest employment in 4Q2007 at 77.8 percent, and Asians had the highest median quarterly earnings at \$8,479. Hispanics were the largest ethnic group and they had employment of 69.7 percent with earnings of \$4,437 in 4Q2007.

Table 3. Employment and Earnings for Training Group by Ethnicity

All Working in 4Q2003				
Ethnicity	N	N Working	% Working	Median Earnings
Hawaiian Native or Pacific Islander	n/a	n/a	100.0	\$3,047
Unknown	6	n/a	50.0	\$4,293
Native American	9	6	66.7	\$4,321
Asian	59	34	57.6	\$5,598
Black	230	164	71.3	\$5,078
White	437	296	67.7	\$4,730
Hispanic	2,914	1,917	65.8	\$3,017
Total	3,656	2,421	66.2	\$3,200
All Working in 4Q2007				
Ethnicity	N	N Working	% Working	Median Earnings
Hawaiian Native or Pacific Islander	n/a	n/a	100.0	\$4,349
Unknown	6	n/a	66.7	\$5,011
Native American	9	7	77.8	\$6,956
Asian	59	41	69.5	\$8,479
Black	230	179	77.8	\$7,458
White	437	303	69.3	\$7,628
Hispanic	2,914	2,031	69.7	\$4,437
Total	3,656	2,566	70.2	\$4,879
Note: Cells with values smaller than 5 are marked "n/a" to protect the privacy of cohort members.				

Training participants in the Both category had the highest employment in 4Q2003 at 72.8 percent, according to Table 4. Excluding the Unknown category, participants in the Occupational category also had the highest median quarterly earnings in 4Q2003 at \$3,332.

At the five-year mark in 4Q2007, participants in the Occupational category had the highest rate of employment at 71.5 percent, and the highest median quarterly earnings in 4Q2007 at \$5,459.

Table 4. Employment and Earnings for Training Group by Training Type

All Working in 4Q2003				
Training Type	N	N Working	% Working	Median Earnings
Unknown	16	10	62.5	\$10,521
Both	342	249	72.8	\$3,225
Remedial	854	513	60.1	\$2,835
Occupational	2,444	1,649	67.5	\$3,332
Total	3,656	2,421	66.2	\$3,200
All Working in 4Q2007				
Training Type	N	N Working	% Working	Median Earnings
Unknown	16	10	62.5	\$14,388
Both	342	243	71.1	\$4,350
Remedial	854	565	66.2	\$4,001
Occupational	2,444	1,748	71.5	\$5,459
Total	3,656	2,566	70.2	\$4,879

Table 5 shows the top ten industries of employment in 4Q2003 by 4-digit NAICS code. We see that Employment Services was the most common industry sector of employment in 4Q2003. Those participants working in the General Medical and Surgical Hospitals sector posted the highest median quarterly earnings in 4Q2003 at \$4,480.

Table 5. Top 10 Industries of Employment for AI Working in 4Q2003

Industry Sector	N Working	Median Earnings	NAICS Code
Employment Services	323	\$2,986	5613
Home Health Care Services	205	\$1,877	6216
Vocational Rehabilitation Services	164	\$2,722	6243
Elementary and Secondary Schools	144	\$2,497	6111
Other General Merchandise Stores	91	\$3,276	4529
Nursing Care Facilities	82	\$3,348	6231
Offices of Physicians	80	\$3,690	6211
General Medical and Surgical Hospitals	77	\$4,480	6221
Cut and Sew Apparel Manufacturing	56	\$3,427	3152
Management, Scientific, and Technical Consulting Services	50	\$3,235	5416

Table 6 shows the top ten industries of employment for participants found working in 4Q2007. Home Health Care Services was the most common industry of employment, while Elementary and Secondary Schools was the second most common industry sector between 4Q2003 and 4Q2007. General Freight Trucking had the highest median quarterly earnings in 4Q2007 at \$8,998.

Table 6. Top 10 Industries of Employment for All Working in 4Q2007

Industry Sector	N Working	Median Earnings	NAICS Code
Home Health Care Services	248	\$2,698	6216
Elementary and Secondary Schools	240	\$4,489	6111
Employment Services	154	\$3,937	5613
Other General Merchandise Stores	108	\$4,835	4529
General Medical and Surgical Hospitals	89	\$6,516	6221
Vocational Rehabilitation Services	79	\$3,756	6243
Offices of Physicians	65	\$5,513	6211
Nursing Care Facilities	61	\$4,349	6231
General Freight Trucking	54	\$8,998	4841
Individual and Family Services	54	\$3,760	6241

References

Texas Workforce Commission Annual Report 2007. <http://www.twc.state.tx.us/news/ar07.pdf>

Texas Workforce Commission Trade Adjustment Assistance 2007 Annual Report.
<http://www.twc.state.tx.us/svcs/taa/taarpt07.pdf>

TRACER. <http://www.tracer2.com>

United States Department of Labor Employment and Training Administration.
<http://www.doleta.gov/tradeact/>