**Vocational Rehabilitation Outcomes for People with Mental Retardation, Cerebral Palsy, and Epilepsy:** An Analysis of Trends from 1985 to 1998

> Dana Scott Gilmore Jennifer Schuster John Butterworth



Vocational Rehabilitation Outcomes for People with Mental Retardation, Cerebral Palsy, and Epilepsy: An Analysis of Trends from 1985 to 1998

> Dana Scott Gilmore Jennifer Schuster John Butterworth



Children's Hospital 300 Longwood Avenue Boston, Massachusetts 02115 UMass Boston 100 Morissey Boulevard Boston, Massachusetts 02125

(617) 355-6506 (617) 355-6956 (TTY) (617) 355-7940 (fax) ici@tch.harvard.edu

# www.childrenshospital.org/ici

#### **Acknowledgements**

The authors wish to acknowledge the contributions of William Kiernan, Robert Schalock, Sheila Fesko, and Jaimie Ciulla Timmons. Their assistance with research design and development, analyses of findings, and editing are appreciated by the authors.

This document was supported in part by cooperative agreement No. 90DN0061 from the Administration on Developmental Disabilities, Administration for Children and Families, U.S. Department of Health and Human Services. Grantees undertaking projects under government sponsorship are encouraged to express freely their findings and conclusions. Points of view or opinions do not, therefore, necessarily represent official Administration on Developmental Disabilities policy.

This is a publication of the Institute for Community Inclusion which is funded, in part, by the National Institute on Disability and Rehabilitation Research of the US Department of Education under grant #H133B30067. The opinions contained in this publication are those of the grantee and do not necessarily reflect those of the US Department of Education.

### Citation

The recommended citation for this report is: Gilmore, D.S., Schuster, J.L., and Butterworth, J., (2001) Vocational rehabilitation outcomes for people with mental retardation, cerebral palsy, and epilepsy: An analysis of trends from 1985 to 1998. Boston: Institute for Community Inclusion/UAP

Additional copies of this report may be obtained for \$7.00 per copy (postage and handling included). Direct orders to: Publications Office, Institute for Community Inclusion, Children's Hospital, 300 Longwood Ave., Boston, MA 02115. Please make checks payable to Children's Hospital.

This publication will be made available in alternate formats upon request.

### Abstract

This monograph presents the results of secondary analysis of the RSA-911 database from the Rehabilitation Services Administration. All successful VR closures for individuals with mental retardation, cerebral palsy, and epilepsy for six data points between 1985 and 1998 were investigated. Trends in competitive labor market and extended employment (sheltered workshops) closures were examined. The use of supported employment in the VR system and its outcomes were also discussed. Findings include increased incidence of competitive labor market closures and supported employment services, with a decrease in extended employment closures.

Comparisons of successful VR closure outcomes to trends in the general labor market were also made. A significant inverse correlation between VR competitive labor market closure rates and national unemployment rates suggests that VR closures rise and decline with the performance of the general economy. The data also indicated a decrease in real (inflation adjusted) earnings at closure of 43% over the study time period. While there was also a decrease in real earnings for the general population, the decrease was more severe for VR closures.

# Introduction

The Rehabilitation Services Administration (RSA) exists within the U.S. Department of Education and maintains the legislative mandate to provide job placement and job training to all eligible persons with disabilities. This administrative office allocates resources to vocational rehabilitation (VR) offices in each state. The state/federalVR system is one of the largest federal efforts to address unemployment. This system closes approximately 600,000 cases annually, with 222,275 successful rehabilitations in 1998 (RSA, 2000). At the state level, a range of services and supports are delivered by rehabilitation professionals to persons with disabilities who are interested in obtaining employment. These employment services can include assessment, counseling, guidance, job placement, and post-employment support (Kiernan, Gilmore, & Butterworth, 1997).

Despite its broad scope and substantive outcomes, the VR system has received some criticism. Although there have been substantial changes in policy, only three out of ten working-age people with disabilities are actually working (National Organization on Disability, 1998). In addition, the services provided by VR may not be equally effective for people of varying severity of disability. The purpose of this study is to examine trends in VR outcomes and services for individuals with more severe disabilities, specifically mental retardation, cerebral palsy, and epilepsy. Of fundamental interest is how VR system outcomes have changed as a result of changes in policy, such as the Rehabilitation Act Amendments of 1992, and service delivery technology.

The Rehabilitation Services Administration uses the RSA-911 data reporting system to collect data on each individual case closed by state VR agencies. This system is one of the longest-standing national data collection efforts addressing employment of people with disabilities and serves as the basis for examining the employment activities of RSA (Kiernan et al., 1997). Information on consumer demographics, the nature of services provided, and the outcomes realized is collected. These data are then used to determine the effectiveness of the agencies in assisting individuals with disabilities in entering or returning to work. This collection effort not only allows for the analysis of trends in rehabilitation services for persons with disabilities, but also addresses the employment outcomes of individuals served within this public rehabilitation system.

There have been a number of studies that incorporate the use of Rehabilitation Services Administration caseload data in their examination of vocational rehabilitation outcomes. (Walls & Fullmer, 1997; Bellini, Neath & Bolton, 1995; Whitney-Thomas, Timmons, Thomas, Gilmore & Fesko, 1997; Hill, 1989). Furthermore, research studies led by federal agencies have incorporated the use of RSA-911 data to evaluate vocational outcomes for individuals served by the VR system. For example, the General Accounting Office (1993) used RSA-911 data to evaluate the effectiveness of the vocational rehabilitation system. In addition, RSA uses these data as part of their annual report to the President and to Congress (RSA, 1997).

Despite the many uses of this database, there are only a few in-depth national longitudinal analyses of the RSA-911 data that examine national trends in employment outcomes for people with disabilities served by state VR agencies. Gilmore, Schuster, Timmons, & Butterworth (2000) examined RSA-911 data from 1985 through 1995 and have documented a decrease in sheltered workshop closures, an increase in competitive labor market closures, and changes in the types of services provided in the vocational rehabilitation system during this span of time. Changes in service delivery include an increase in on-the-job training and a decrease in work adjustment training. A major longitudinal use of RSA data was the RSA-SSA datalink, in which data from RSA were matched with Social Security Administration's (SSA) earnings data. A 10% sample of cases from 1980 was matched with SSA earnings data giving information on people from eight years before receiving service to eight years after, 1972-1988. This matching allowed for pre- and post-VR service earnings to be examined for the purpose of long-range effectiveness measures of VR services. Dean, Dolan, and Schmidt (1999), used this data to examine the long-term cost-effectiveness of VR services by different disability groups and by gender. Their findings concluded that VR services were generally cost-effective, although not across all of the specific disability groups they examined.

Supported employment is one important service provided by the VR system that should receive special focus when examining employment outcomes, especially when considering people with severe disabilities. Since its formal definition, initiated by the Developmental Disabilities Assistance Act and Bill of Rights Act of 1984, there has been significant research that examines the role of supported employment in the lives of people with disabilities (Wehman & Kregel, 1995; Kregel, Shafer, Wehman & West, 1989; West, Revell & Wehman, 1992; Revell, Wehman, Kregel, West & Rayfield, 1994; Mank, 1994; Kiernan & Schalock, 1997). This research shows that throughout the last decade, supported employment has grown and evolved to become the most effective employment strategy for people with significant disabilities. Individuals who participate in supported employment generally have substantially greater earnings and more community interaction than their counterparts in sheltered workshops. They report increased satisfaction from their work experience, and find it to be economically and socially rewarding (Wehman & Kregel, 1995).

However, supported employment programs serve only a percentage of the population who could benefit from these services. Individuals with severe disabilities such as cerebral palsy and severe mental retardation have been traditionally under-represented in supported employment, as compared to their involvement in other adult day programs. In a national survey of day and employment programs, it was found that individuals with severe mental retardation, cerebral palsy, and epilepsy accounted for less than 20% of all the people with developmental disabilities who were receiving supported employment, work adjustment, and on-the-job training services from state VR agencies (Kiernan, McGaughey, Lynch, Schalock, & McNally, 1991). The low percentage of this population receiving supported employment services continues to be an issue when considering change in the policy and practices of the VR system.

In addition, it has been found that individuals with more severe disabilities who do receive supported employment services do not have as positive an outcome as individuals with less severe disabilities. They earn significantly less money, work for fewer hours per week, and have fewer interactions at work than individuals with less significant disabilities receiving the same services. They also are perceived as having lower work quality and fewer positive relationships with coworkers. The greater number of hours of direct support received by these individuals also leads to less integration in the workplace and a less typical employment situation than their counterparts with less severe disabilities. Indeed, there seems to be a strong correlation between wages, level of integration, and typicality in job settings (Mank, Cioffi, and Yovanoff, 1998). Several researchers have considered implementation, growth, and trends in supported employment on a national scale as it relates to changing Rehabilitation Services Administration policy (Wehman, P., West, M., & Kregel, J. 1999, Wehman, 1991; Wehman, Kregel & Shafer 1989). Such policy includes the 1986 Amendments to the Rehabilitation Act of 1973, which involved extensive actions towards the implementation of supported employment. This included the establishment of Title VI Part C funds for all states to use specifically for supported employment services. In addition, Title III demonstration grants were awarded on a competitive basis starting in 1986. These grants were considered systems change model demonstration funds from the Rehabilitation Services Administration to encourage the conversion of traditional segregated day activity programs to supported employment programs as alternative vocational options (Wehman et. al., 1989).

In addition to the 1986 Amendments, the Americans with Disabilities Act of 1990, the reauthorization of the Individuals with Disabilities Education Act in 1991, and the 1992 Rehabilitation Act Amendments represent policy initiatives that promote greater opportunity in education, community life, employment, and service delivery for individuals with disabilities. The 1992 Rehabilitation Act Amendments in particular go beyond the civil rights and anti-discrimination focus of the ADA to emphasize competitive employment outcomes for individuals with disabilities (Leuchovius and Parker, 1994; In The Public Interest, 1992).

The 1992 Rehabilitation Act Amendments were chiefly concerned with streamlining the process of rehabilitation services, as well as including language about presumption of benefit and increased emphasis on providing services to people with more severe disabilities. These Amendments addressed three key areas: greater access to services, consumer involvement, and improved services. Greater access to services includes reducing overall time in the system, the use of preexisting information to expedite eligibility determination, a presumption of benefit of services to all individuals, and expanded access to individuals previously under served. Consumer involvement encompasses greater consumer participation in the development of the IWRP, more choice for a consumer to select agencies providing services, assistance with advocacy, and legal and administrative advice through Client Assistance Programs. Improved services addresses training for staff related to issues of assistive technology and accommodation. Under improved services there is also language concerning supported employment, mainly around the increased use of Title I, section 110 General Funds for increased access to supported employment for people with more severe disabilities (Whitney-Thomas, et al 1997). Employment outcomes in general and trends in VR outcomes more specifically must be considered, therefore, as they relate to such change in policy initiatives.

With the recent emphasis on employment of persons with disabilities, and the corresponding legislative mandates and initiatives to do so, a need exists to examine the RSA-911 national collection and reporting system to track the history of work results for individuals with disabilities in the VR system. As a result, an examination of the RSA-911 data tapes for 1985, 1988, 1991, 1993, 1995, and 1998 has been compiled and analyzed to determine trends in employment outcomes for persons with cerebral palsy, epilepsy, and mental retardation over this ten year span of time. This research further examines trends in VR outcomes as they relate to changes in service delivery such as supported employment. An exploration of additional factors, such as public policy, which may have impacted trends in VR outcomes will be considered in the discussion section.

# Method

### People

The Rehabilitation Services Administration serves over one million people annually (RSA, 1997). Of people receiving services, there are an average of over six hundred thousand cases closed annually (RSA 2000). On the RSA-911 there is information regarding the major and secondary disabling condition of each closure. This study is limited to people who had a major disabling condition reported as either mental retardation, cerebral palsy, or epilepsy. These categories were chosen as the best approximation of persons with a developmental disability. This group made up 11.8% of all closures in fiscal year 1998, and has remained relatively consistent over the time period discussed. Table 1 shows the distribution of major disabling conditions for this study.

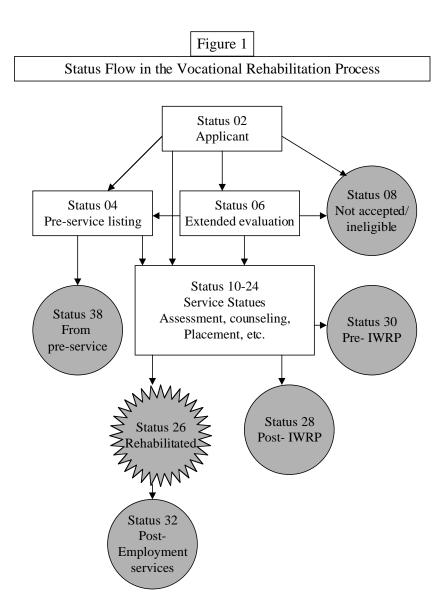
| <u>1 otal number an</u> | <u>I otal number and distribution of closures by major disabling condition</u> |             |             |             |             |             |             |             |             |             |             |             |
|-------------------------|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| -                       |  | To          | otal numbe  | er of closu | res         |             |             | ]           | Percent o   | of sample   |             |             |
|                         | <u>1985</u>  | <u>1988</u> | <u>1991</u> | <u>1993</u> | <u>1995</u> | <u>1998</u> | <u>1985</u> | <u>1988</u> | <u>1991</u> | <u>1993</u> | <u>1995</u> | <u>1998</u> |
| Mental retardation      |  |             |             |             |             |             |             |             |             |             |             |             |
| Mild                    | 36,338   | 35,838      | 32,130      | 34,314      | 34,408      | 35,150      | 49.8        | 48.7        | 47.7        | 50.6        | 48.7        | 50.4        |
| Moderate                | 16,808   | 18,576      | 18,174      | 17,260      | 19,650      | 19,011      | 23.0        | 25.2        | 27.0        | 25.4        | 27.8        | 27.3        |
| Severe                  | 3,884  | 4,154       | 4,080       | 3,882       | 4,120       | 3,695       | 5.3         | 5.6         | 6.1         | 5.7         | 5.8         | 5.3         |
| Cerebral Palsy          | 4,762  | 5,054       | 4,907       | 4,785       | 5,402       | 5,380       | 6.5         | 6.9         | 7.3         | 7.1         | 7.6         | 7.7         |
| Epilepsy                | 11,204   | 9,993       | 8,065       | 7,582       | 7,091       | 6,507       | 15.3        | 13.6        | 12.0        | 11.2        | 10.0        | 9.3         |
| Total                   | 72,996   | 73,615      | 67,356      | 67,823      | 70,671      | 69,743      |             |             |             |             |             |             |

#### Table 1

## Total number and distribution of closures by major disabling condition

### Closures

To better understand the analysis and results presented hereafter, a brief overview of how a person receives services through VR is shown in Figure 1. The process can be viewed in three steps: 1. Application, in which one's eligibility is determined. If the applicant withdraws or is considered ineligible or if the person withdraws from application, the case is closed as not accepted for services (status 08). 2. Development of the Individualized Written Rehabilitation Plan (IWRP). If the person does not have an IWRP developed, the cased is closed as not successful (status 30), or the person moves on to step three. 3. Implementation of the IWRP. Here the person either obtains a job and maintains employment for a minimum of 90 days in which the case is closed as successful (status 26), or the person does not obtain or maintain employment and is closed as unsuccessful (status 28). Progress through the system is determined by each individual's needs.



Since the primary goal of VR services is employment, the focus of this article will be on successful closures (status 26). It should be noted that a successful closure does not necessarily imply that the individual has entered competitive employment. There are six different categories of successful closures. These are: (1) Competitive labor market, (2) Extended employment (formerly Sheltered workshop), (3) Self employed, (4) Business enterprise program, (5) Homemaker, (6) Unpaid family worker. However, the vast majority of successful closures, 85% in FY1998, are in the first category. Also of specific interest are extended employment closures, the second largest category of successful closures for this sample. Table 2 shows the total number of closures in each category for each year. Note that groups three and four, and groups five and six, have been combined into single categories in this table. These categories comprise a very small percentage of the closures for the sample, on average less than 3% all combined, and therefore will not be addressed in this study. The last column in Table 2 shows the total number of successful closures (status 26) for each year.

#### Table 2

|   |             | Total number of closures |             |             |             |             | Percent of sample |             |             |             |             |             |
|---|-------------|--------------------------|-------------|-------------|-------------|-------------|-------------------|-------------|-------------|-------------|-------------|-------------|
|   | <u>1985</u> | <u>1988</u>              | <u>1991</u> | <u>1993</u> | <u>1995</u> | <u>1998</u> | <u>1985</u>       | <u>1988</u> | <u>1991</u> | <u>1993</u> | <u>1995</u> | <u>1998</u> |
| Competitive labor<br>market                         | 23,792      | 25,172                   | 24,659      | 23,193      | 27,789      | 28,371      | 69.3              | 71.8        | 74.9        | 75.2        | 82.8        | 85.4        |
| Extended<br>employment                              | 8,504       | 8,258                    | 6,925       | 5,694       | 4,994       | 4,167       | 24.8              | 23.6        | 21.0        | 18.5        | 14.9        | 12.5        |
| Business enterprise<br>program and Self<br>employed | 404         | 428                      | 304         | 1,022       | 253         | 217         | 1.2               | 1.2         | 0.9         | 3.3         | 0.8         | 1.4         |
| Homemaker and<br>Unpaid family<br>worker            | 1,608       | 1,178                    | 1,049       | 940         | 539         | 479         | 4.7               | 3.4         | 3.2         | 3.0         | 1.6         | .7          |
| Total successful closures                           | 34,308      | 35,036                   | 32,937      | 30,849      | 33,575      | 33,234      |                   |             |             |             |             |             |

| Total number and distribution of successful closures by         | v v v only status <sup>1</sup> |
|---|--------------------------------|
| <u>1 Otal Humber and distribution of successful closures by</u> | <u>work status</u>             |

<sup>1</sup> Includes all territories, American Samoa, Guam, Northern Marianas, Palau, Puerto Rico, Virgin Islands, and Washington DC

### The Data

Yearly closure data have been gathered in various forms by RSA dating back to 1921. Starting in 1988 as part of an ongoing data collection effort funded by the Administration on Developmental Disabilities, the Institute for Community Inclusion has conducted secondary analysis of RSA-911 data. Typically, data is examined every two to three years. To date, analysis has been done for data from fiscal years 1985, 1988, 1991, 1993, 1995, and most recently 1998. It is from these points in time that trends have been regarded. For each closure on the RSA-911 database there is a code identifying which state it comes from. This allows for the data to be aggregated to the state level. Such an aggregation allows for easier handling of the data and eliminates the large sample bias of statistical testing.

Repeated measures analysis of variance (ANOVA) tests were used to perform all statistical tests to compare means from state to state over time. Time is used as the measure, i.e. the series of data for all fifty states and Washington, DC defined by the years 1985, 1988, 1991, 1993, 1995, and 1998. The majority of tests rely on all six points of time. State averages are reported in the text; national totals can be read from the tables. An alpha of .01 was chosen as the significant cutoff level. Due to the large number of ANOVAs performed and the large quantity of data, a low alpha was chosen to minimize the likelihood of Type I error due to random chance.

## Findings

### Work status trends

The 1992 and 1998 amendments make it clear that competitive employment outcomes are the primary goal of rehabilitation services. The data show fluctuations in the number of competitive labor market closures over time with a large increase in the more recent years. These changes are shown to be statistically significant, F (5, 245) = 3.32, MSE = 84,230.37, p < .005. Table 2 demonstrates VR's emphasis on competitive employment. Although the increasing number of competitive labor market closures has not been a consistent trend during all of the years examined, since 1993 it has increased steadily, complemented by a decrease in extended employment closures (as noted in the following paragraph). This shift in the distribution of closures illustrates a change in the type of employment outcomes that individuals are achieving. These closures represent 85% of the successful

rehabilitations in 1998, and have increased steadily from 69% in 1985. This substantial increase in the percentage of closures into competitive employment is confirmed to be significant, F (5, 245) = 38.18, MSE = .20, p < .000.

The other key work status to be considered for this sample is closures into extended employment. In general there is not a major reliance on the use of extended employment as a rehabilitation outcome in the VR system. However, in this study population there is a much higher prevalence of extended employment closures, 12.5%, as opposed to 1.8% of all other successful closures in FY98. This fact has been consistent over time, with the difference at its lowest in 1998. However, as is evident in Table 2, there has been a significant decrease in the number and percentage of extended employment closures over the years studied. The total number closed into extended employment decreased significantly, from just over 8,500 in 1985 to under 4,250 in 1998, F (5, 245) = 10.85, MSE = 64,276.80, p < .000. The percentage of individuals closed into extended employment also decreased significantly, from 24.8% in 1985 to 12.5% in 1998, F (5, 245) = 23.40, MSE = .10, p < .000.

#### Trends in earnings per week and hours worked per week

The RSA-911 includes information on earnings per week and hours worked per week at the time of closure. These two variables provide a basic examination of the quality of employment. Table 3 shows the mean and standard deviation of hours worked and weekly earnings for competitive labor market closures across the thirteen years. Year to year there has been very little change in either earnings or hours worked. The mean number of hours worked each week has declined gradually but significantly from 31.5 to 27.9 over these years, F (4, 184) = 3.85, MSE = 86.70, p < .005. The nature of this difference will be made more apparent in the supported employment section. Weekly unadjusted earnings increased significantly from \$143 per week in 1985 to \$167 per week in 1998, with most of the increase occurring between 1995 and 1998, F (5, 240) = 17.60, MSE = 3,418.16, p < .005. At first this significant increase in earnings may appear to be a positive outcome. However, the wage trends reverse when an adjustment for inflation is included. After adjusting all earnings to be equivalent to 1985 dollars based on consumer price index (CPI) data, there was found to be a decrease in earnings over this time, from \$143 per week in 1985 to \$82 in 1998, F (5, 240) = 290.92, MSE = 29,589.03, p < .000. Clearly the buying power of \$167 is substantially less in 1998 than it was in 1985.

| <u>Mean hours worked and earnings per week for competitive labor market closures</u> |             |             |             |             |             |             |  |  |  |  |
|--|-------------|-------------|-------------|-------------|-------------|-------------|--|--|--|--|
|  | <u>1985</u> | <u>1988</u> | <u>1991</u> | <u>1993</u> | <u>1995</u> | <u>1998</u> |  |  |  |  |
| Hours worked   |             |             |             |             |             |             |  |  |  |  |
| M  | Missing     | 31.51       | 31.32       | 29.77       | 28.56       | 27.92       |  |  |  |  |
| <u>SD</u>  |             | 12.55       | 9.48        | 10.09       | 10.40       | 10.81       |  |  |  |  |
| Weekly earnings  |             |             |             |             |             |             |  |  |  |  |
| M  | 142.92      | 146.33      | 147.07      | 148.63      | 147.56      | 167.11      |  |  |  |  |
| <u>SD</u>  | 64.92       | 76.63       | 84.89       | 87.38       | 92.03       | 101.69      |  |  |  |  |
| Weekly earnings:   |             |             |             |             |             |             |  |  |  |  |
| Adjusted for inflation   |             |             |             |             |             |             |  |  |  |  |
| M  | 142.92      | 130.77      | 108.14      | 98.04       | 86.38       | 82.05       |  |  |  |  |
| <u>SD</u>  | 64.92       | 68.54       | 62.54       | 57.52       | 53.87       | 49.93       |  |  |  |  |

Table 3

### Trends in supported employment

To examine the delivery of supported employment services two items were added to the RSA-911 database in 1990. The first of these two items collects information on what funds were used to pay for supported employment services. This measure can be used to reflect the impact of the 1986 amendments, which established Title VI-C funds for use for supported employment and supported employment systems change grants. This item measures whether some Title VI-C funds were used or no Title VI-C funds were used for each supported employment case (when no Title VI-C funding is used, the source of funding is from Title I General Funds). The second item collects information on the outcome of supported employment cases. This is recorded as whether or not the case was competitively employed in an integrated setting along with the need for ongoing supports, the specific criteria being; 1. Identification as a supported employment case; 2. Placement into the competitive labor market; 3. Placement into an integrated work setting; and 4. Receipt of ongoing support services at closure. The outcomes are measured as some criteria met or all criteria met.

Table 4 shows for each year the mean number per state and the national total of supported employment cases. On the most general level of analysis, the mean number of supported employment closures per state has increased significantly from 125 in 1991 to 240 in 1998, F ( 3, 150 ) = 18.24, MSE = 141,900.66, p < .000. It is also important to note that there has been an increase in the percent of total successful closures relying on supported employment, rising from 21.9% in 1991 to 37.5% in 1998, F ( 3, 150 ) = 24.53, MSE = .25, p < .000. The use of both Title VI-C and Title I funds has increased significantly over this time period. Cases in which Title VI-C funds were used increased from a mean of 89 to 134 per state, FVIC ( 3, 150 ) = 12.97, MSE = 30,692.38, p < .000, while the use of Title I funds alone has also significantly increased from a mean of 36 to 106 cases per state, FI ( 3, 150 ) = 7.37, MSE = 44,837.00, p < .000. The fact that two out of every three supported employment cases were funded using at least some Title VI-C dollars suggests that dedicated supported employment funds continue to be a significant factor in the outcomes of individuals served by the VR system. While this percentage has fallen over time, from 75% in 1991 to 66% in 1998, this change is not significant F ( 3, 129 ) < 2.11.

Table 4

| Mean number of successful supported | employment cases pe | er state by funding type |
|-------------------------------------|---------------------|--------------------------|
| 11                                  | 1 5 1               | J 0 J1                   |

|                            | <u>1991</u> | <u>1993</u> | <u>1995</u> | <u>1998</u> |
|----------------------------|-------------|-------------|-------------|-------------|
| Some Title VI-C funds used | 89          | 96          | 135         | 134         |
| No Title VI-C funds used   | 36          | 57          | 77          | 106         |
| All supported employment   | 125         | 153         | 212         | 240         |
| National total             | 6,396       | 7,802       | 10,835      | 12,246      |

Supported employment outcomes can be examined by comparing the weekly earnings and hours worked for supported employment cases over time. Table 5 shows the difference in earnings per week and hours worked for supported employment, using successful supported employment cases where all four special criteria were met, versus non-supported employment closures, (i.e., successful competitive labor market closures). For each year a paired sample t-test was used to test for differences between earnings for the two groups. Weekly earnings were significantly lower for supported employment participants in each year. In FY1998 individuals in supported employment earned only \$125.01 per week, compared to \$198.54 for other competitive labor market closures. The mean difference was shown to be significant, T(48) = 16.66, p < .000. Individuals in supported employment also worked significantly fewer hours in each year, in 1998 (M, supported employment=22.14, SD=3.45, M, not supported employment=30.28, SD=3.75), T(48)=14.50, p<.000.

Table 5

| Mean hours worked and weekl | y earning | g for successful closures | by supported | d employment status |
|-----------------------------|-----------|---------------------------|--------------|---------------------|
|                             |           |                           |              |                     |

|                               | <u>1991</u> | <u>1993</u> | <u>1995</u> | <u>1998</u> |
|-------------------------------|-------------|-------------|-------------|-------------|
| Supported employment case     |             |             |             |             |
| Hours worked                  | 26.03       | 24.38       | 23.98       | 23.54       |
| Weekly earnings               | 104.69      | 103.18      | 107.14      | 125.01      |
| Not supported employment case |             |             |             |             |
| Hours worked                  | 32.59       | 31.82       | 31.05       | 30.73       |
| Weekly earnings               | 159.40      | 164.98      | 169.41      | 193.54      |

In order to determine whether the difference in outcomes was due to the fact that supported employment cases represent people with more severe disabilities, the 1998 data were more closely examined. RSA's coding for severity of disability was considered. However, since 94% of the successful closures were considered to have a severe disability, this distinction is not selective enough to compare differences across groups. This 94% is reflected across all disabilities; every diagnosis/disability type had a high percentage of people considered to have a severe disability, ranging from 89% for people with epilepsy to 100% for people with severe mental retardation. This fact makes severity across different disability groups an insufficiently distinctive comparison. Specific disability, regardless of severity, was compared, and revealed some interesting differences. Table 6 shows the distribution of disability across supported employment and non-supported employment closures, along with data on weekly earnings and hours worked. In every disability group, lower weekly earnings and hours worked were noted for those receiving supported employment services. For people with epilepsy and cerebral palsy, the differences are most apparent. More in-depth analysis of the characteristics of these groups may explain some of the differences in employment outcomes. Secondary disabling conditions, age, and work history could be factors however; these items are beyond the scope of this study.

Table 6

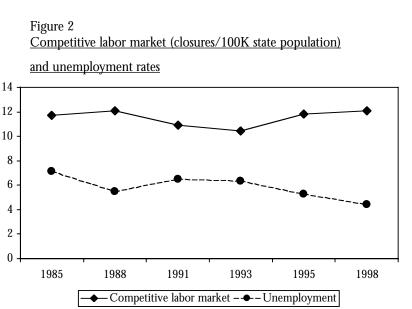
|                             |                 | Not SE case | SE case |
|-----------------------------|-----------------|-------------|---------|
| Mild mental retardation     | Total number    | 9,721       | 5,407   |
|                             | Weekly earnings | 187.62      | 134.76  |
|                             | Hours worked    | 31          | 24      |
| Moderate mental retardation | Total number    | 3,567       | 4,274   |
|                             | Weekly earnings | 165.01      | 117.37  |
|                             | Hours worked    | 28          | 22      |
| Severe mental retardation   | Total number    | 354         | 713     |
|                             | Weekly earnings | 135.51      | 97.40   |
|                             | Hours worked    | 25          | 21      |
| Cerebral Palsy              | Total number    | 1,457       | 436     |
|                             | Weekly earnings | 245.37      | 122.97  |
|                             | Hours worked    | 31          | 22      |
| Epilepsy                    | Total number    | 1,872       | 259     |
|                             | Weekly earnings | 259.74      | 150.02  |
|                             | Hours worked    | 34          | 25      |

Number of closures and employment outcomes by supported employment (SE) status: For 1998

### Comparison to general employment trends

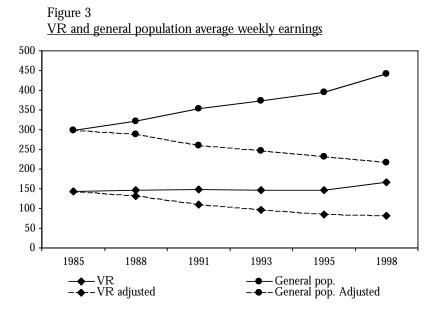
With the examination of more data from the 1990s, some emerging trends can be noted. The general competitive labor market closure trend, as can be seen in Figure 2, shows a slight decrease through the early 1990s with a sharp increase after 1993. Initially this trend was associated with changes brought about by the Rehabilitation Act Amendments of 1992 (Gilmore et al., 2000); however looking at additional data may offer an alternative explanation of this trend. Along with the competitive labor market placement rate data on Figure 2, national unemployment rates are plotted using data taken from The Bureau of Labor Statistics, (BLS). Note that competitive labor market closure rates were used (total closures per 100,000 state population) to closely scale the data to

unemployment rates. The apparent mirror image of the two lines suggests a relationship. As the unemployment rate falls, competitive labor market closures rates rise, and vice-versa. A simple Pearson correlation of the data was run and a significant inverse relationship is noted, r = -.2, p <.000. In other words, the increase in competitive employment may be due not to policy changes but the overall economic conditions that have fostered a decrease in unemployment for all people.



Using earnings data from the Bureau of Economic Analysis (BEA), within the Department of Commerce, comparisons with the earnings trends of the general population can be made. Figure 3 plots the BEA earnings

data for workers (defined as production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities, wholesale and retail trade, finance, insurance and real estate, and services) against VR competitive labor market earnings at closure data. Comparisons of earnings levels between VR outcomes and general population employment outcomes are not the point here, as the differences in earnings are quite obviously significant. The point to examine is the changes in earnings over time. It is clear from looking at the slopes of the two lines that the general population

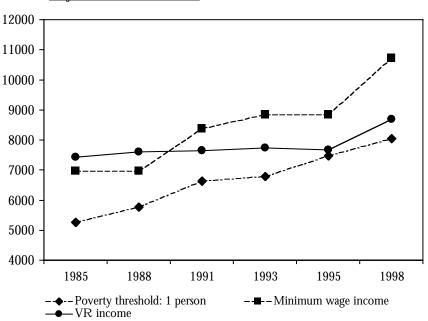


experienced a much larger increase in earnings. When adjusted for inflation, the general population suffered from a decrease in real earnings; however, this decrease was not quite the same magnitude as our sample. The 1998 real income of the general population is about 72% of their adjusted 1985 income, as opposed to the income of our sample, which is about 57% of their adjusted 1985 income.

A more appropriate comparison of income levels is to poverty thresholds and minimum wage earnings. These

are better comparisons as people at these income levels tend to be eligible for income and living supports such as SSI, food stamps, or subsidized housing. Figure 4 is a projection of three different income levels. First on the dashed line with diamonds is the Department of Health and Human Services (DHHS) poverty thresholds for a single person over the period examined. The second dashed line with squares is a projected 40 hour a week income based on minimum wage earnings (i.e. 2080 hours multiplied by the prevailing federal minimum wage at the given time). In 1991, the minimum





wage changed in April; therefore an average of the two was used to project yearly earnings. The final solid line is projected yearly income based on the mean weekly earnings for all successful competitive labor market closures. The three lines show that consistently over time, earnings for this group tend to be tied to minimum wage, which hovers quite close to the poverty threshold line.

# Discussion

This study documents important changes over the past thirteen years for people with mental retardation and related conditions. Over this period there has been no major fluctuation in general closure patterns, as noted by no significant change in either the total number of people being closed or the number of successful closures for this particular population. The most important changes have been in the types of employment people are entering. There has been a significant reduction in the number of closures into extended employment. At the same time, the number of competitive labor market closures has increased, leading to the trend of a higher percentage of successful closures being into competitive employment. This demonstrates a greater emphasis on the use of competitive employment as a preferred outcome to extended employment.

While this study shows improved access to competitive employment for people with mental retardation, progress in hours worked and earnings is still needed. Increased use of supported employment has been documented, but the computed yearly earnings for a supported employment closure in 1998 was only \$6,500, as compared to the earnings for non-supported employment closures of \$10,064. More in-depth analysis of who is receiving supported employment is needed in order to determine why their employment outcomes are significantly lower than those of people not receiving supported employment services. If, indeed there is more access to competitive employment for people who would have been served in extended employment settings, this is a positive trend. However, the challenge now is to find employment that will yield above-poverty level outcomes.

The income levels achieved by people in competitive employment, both supported employment and nonsupported employment closures, are certainly better than the computed yearly income of people in extended employment settings of \$2,747 per year in 1998. However, their incomes are still quite low compared to the national yearly income figure of \$29,319 for the general population. A more appropriate comparison for our sample is to minimum wage and poverty level income figures. As will be shown, these incomes are much closer to those of our sample. Also these earnings are in the range of incomes eligible for state and federal income maintenance programs, such as SSI and TANF, designed to improve the standard of living for people around the poverty level. In 1998 the federal minimum wage of \$5.15/hour would yield an annual, full-time income of \$10,712, only slightly higher than that of our sample. The poverty level for a one-person household in 1998 was \$8,050 and \$10,850 for a family of two. Generally speaking people in supported employment are earning below poverty-level wages.

In the latter half of the 1990s there was an increase in the number of competitive labor market closures, offsetting the low points earlier in the decade. When compared with unemployment data, a clear pattern can be noted. In 1993, unemployment rates for the American population as a whole reached a peak, and have fallen each year since. As the unemployment rate has fallen, the number of competitive labor market closures has increased, suggesting a relationship between the recent economic expansion and closure patterns in the VR

system. However, the earnings data for VR closures show a trend that is different than the trend of earnings for the general population. Earnings for people in our sample remained very constant as contrasted to the gains made by the general population. However, when adjusted for inflation both groups show a decrease in earnings, although the general population did not suffer as great a loss as did our sample. This suggests that while somewhat related to general employment trends, outcomes for people with mental retardation are not closely tied to the overall economic status of the country. Although the general economy showed improvement through the 1990s, and employment opportunities for people with developmental disabilities improved, the employment outcomes have been consistently tied to the minimum wage and poverty-level incomes.

Consistent with the 1992 Amendments, there has been an increase in the use of supported employment across both Title I and Title VI-C funding sources (see Table 4). However, the proportion of all successful closures using supported employment also has grown over time, showing that supported employment is an increasingly preferred service for our sample. Over time the percentage of supported employment cases funded by Title I only has been increasing, from 25% to 34%; however, this increase does not reflect a significant change. Although the use of supported employment has increased over time, there has not been an increased emphasis on using Title I General Funds beyond the specific supported employment funds (Title VI-C), i.e., the funding ratio for supported employment has remained constant over time. However, it does appear that if the current trend continues, a significant increase in the reliance on Title I funds will be noted within a couple of years.

# Implications for future policy

The thirteen years from 1985 to 1998 show changes in closure patterns for people with mental retardation, cerebral palsy, and epilepsy. These changes have been precipitated by major changes to the Rehabilitation Act. The 1986 Amendments introduced a specific supported employment funding stream, resulting in a steady increase in the implementation of supported employment. The data also suggest that these amendments opened up greater access to competitive employment outcomes for people with more severe disabilities. With the 1992 Amendments, there was again an increase in the use of supported employment across all funding sources, leading to an expansion in the provision of supported employment services for people with more severe disabilities. This direct correlation of amendments and increased access to competitive employment for people with more severe disabilities should be noted. However, more change is still needed to ensure that supported employment remains a likely and desirable outcome for these individuals.

The Rehabilitation Act of 1973 has been incorporated into Title IV of the Workforce Investment Act (WIA). A major goal of the rewrite and amendments is to closely tie state VR agencies with state One-Stop Centers for the provision of employment and training services for people with disabilities (Silverstein, 1999). WIA will hopefully result in expansion of service options and choices for people with disabilities, not only as a result of the mandated partnership of VR as part of the One-Stop system, but through the availability of a wide range of other non-disability specific services that are part of WIA and the One-Stop system. These data along with future data from the Department of Labor and studies focusing on the use of One-stop services by people with disabilities, provide a basis to study the impact of such changes.

In July of 1999, the Supreme Court made a decision in the Olmstead case that will affect the types of services

people with mental retardation will receive. The ruling stated that people could not be refused community services (residential in this particular case) even when cheaper, alternative options were available. This ruling could have an impact on employment services. People who want integrated employment services but are not receiving them may now have some legal recourse to obtain such services. As important as this decision is, a recent proposed rule change by RSA, which further strengthens RSA's commitment to integrated employment, could surpass the importance of the Olmstead decision, at least in regards to VR employment services. Under the proposed rule, closures into extended employment would not be counted as successful closures (Status 26) (State Vocational Rehabilitation Services Program; Proposed Rule Federal Register, 2000). The elimination of extended employment as a successful rehabilitation outcome is quite in step with the rulings under the Olmstead decision. Such policy changes are important to the growth of employment opportunities for people with developmental disabilities, and the impact should be closely followed.

# Reference List

- Bellini, J., Neath, J. & Bolton, B. (1995). A Comparison of Linear Multiple Regression and a Simplified Approach in the Prediction of Rehabilitation Outcomes. Rehabilitation Counseling Bulletin, 39(2), 151-160.
- Dean, D.H., Dolan, R.C., & Schmidt, R.M. (1999). Evaluating the Vocational Rehabilitation Program Using Longitudinal Data: Evidence for a Quasiexperimental Research Design. Evaluation Review, 23(2), 162-189.
- General Accounting Office (1993). Vocational rehabilitation: Evidence for Federal programs' effectiveness is missed. GAO/PEMD-93-19). Washington, DC: Author.
- Gilmore, D.S., Schuster, J.L., Timmons, J.C., & Butterworth, J. (2000). An analysis of trends for people with MR, cerebral palsy, and epilepsy receiving services from state VR agencies: Ten Years of Progress. Rehabilitation Counseling Bulletin, 44(1), 30-37.
- Gilmore, D.S. & Butterworth, J. (1997). Work Status Trends For People With Mental Retardation. (Research to Practice) Boston: Institute for Community Inclusion (UAP), Children's Hospital.
- Hill, A.M. (1989) Work Status Outcomes of Vocational Rehabilitation Clients Who are Blind or Visually Impaired. Rehabilitation Counseling Bulletin, 32(3), p. 219-230.
- Kiernan, W. E., & Schalock, R.L. (eds.) (1997). Integrated Employment Current Status and Future Directions. Washington, DC: American Association on Mental Retardation.
- Kiernan, W.E., Gilmore D.S. & Butterworth (1997). Integrated Employment: Evolution of National Practices. In
   W.E. Kiernan & R.L. Schalock (Eds.), Integrated Employment Current Status and Future Directions
   (pp.17-29). Washington, DC: American Association on Mental Retardation.
- Kiernan, W.E., McGaughey, M.J., Lynch, S.A., Schalock, R.L. & McNally, L.C. (1991). National survey of day and employment programs: Results from state VR agencies. Boston: The Children's Hospital, The Training and Research Institute for People with Disabilities.
- Kregel, J., Shafer, M.S., Wehman, P. & West, M. (1989). Policy Development and Public Expenditures in Supported Employment: Current Strategies to Promote Statewide Systems Change. Journal of the Association of People with Severe Handicaps, 14(4), pp. 283-292.
- Leuchovius, D., & Parker, R. (1994, September). The Rehabilitation Act and the ADA Connection. The Pacesetter, pp.18-19.
- Mank, D., Cioffi, A., & Yovanoff, P. (1998). Employment Outcomes for People with Severe Disabilities: Opportunities for Improvement. Mental Retardation, 36(3), pp. 205-216.
- Mank, D. (1994). The Underachievement of Supported Employment. Journal of Disability Policy Studies 5(2), pp. 1-24.
- National Organization on Disabilities. (1998). 1998 NOD / Harris survey of americans with disabilities. Washington DC: Louis Harris & Associates.

- Rehabilitation Services Administration (1997). Annual report to the President and to the Congress: Fiscal Year 1995. Washington, DC: Author.
- Rehabilitation Services Administration (2000). RSA911 Caseload Statistics FY 98. Department of Education, Office of Special Education and Rehabilitation Services. Washington, DC: Author.
- Revell, W.G., Wehman, P., Kregel, J., West, M. & Rayfield, R. (1994). Supported Employment for Persons with Severe Disabilities: Positive Trends in Wages, Models and Funding. Education and Training in Mental Retardation and Developmental Disabilities, pp. 256-264.
- Silverstein, R. (1999). Policy Brief: Provisions in the Workforce Investment Act Describing the Interplay between Workforce Investment Systems and Vocational Rehabilitation Programs. Boston: Institute for Community Inclusion/UAP, Children's Hospital.
- Walls, R.T. & Fullmer, S.L. (1997). Competitive Employment: Occupations After Vocational Rehabilitation. Rehabilitation Counseling Bulletin, 41(1), pp.15-25.
- State Vocational Rehabilitation Services Program; Proposed Rule, 65 Federal Register 39492 (2000) (to be codified at 34 C.F.R. part 361).
- Wehman, P., West, M., & Kregel, J. (1999). Supported employment program development and research needs: Looking ahead to the year 2000. Education and Training in Mental Retardation and Developmental Disabilities, 34(1), 3-19.
- Wehman, P. (1991). A National Analysis of Supported Employment Implementation: Fiscal Years 1986-1989. Richmond, Virginia: Virginia Commonwealth University, Rehabilitation Research and Training Center on Supported Employment.
- Wehman, P. & Kregel, J. (1995). At the Crossroads: Supported Employment a Decade Later. Journal of the Association of People with Severe Handicaps, 20(4), pp. 286-299.
- Wehman, P., Kregel. J. & Shafer, M.S. (1989). Emerging Trends in the National Supported Employment Initiative: A Preliminary Analysis of Twenty-Seven States. Richmond, Virginia: Virginia Commonwealth University, Rehabilitation Research and Training Center on Supported Employment.
- West, M., Revell, W.G. & Wehman, P. (1992). Achievements and Challenges I: A Five-Year Report on Consumer and System Outcomes from the Supported Employment Initiative. Journal of the Association of People with Severe Handicaps, 17(24), pp. 227-235.
- Whitney-Thomas, J., Timmons, J.C., Thomas, D.M., Gilmore, D.S. & Fesko, S.L. (1997). Changes in Vocational Rehabilitation Practice Since the 1992 Rehabilitation Act Amendments. Boston: Institute for Community Inclusion (UAP), Children's Hospital.

# Appendix A National Tables

- 1A. Successful competitive labor market closures: Total number, by year, of successful (status 26) competitive labor market closures by state, with a national total.<sup>1</sup>
- 2A. Successful extended employment closures: Total number, by year of status 26 extended employment closures by state, with a national total.<sup>1</sup>
- 3A. Percent of successful closures by work status, competitive labor market and extended employment only: Distribution of work status at closure, status 26, by year for each state with a national average of the states. Because only two of the six different work status categories are included, the sum of any given year may not add up to 100%.<sup>2</sup>
- 4A. Comparison of successful competitive labor market closure earnings with average state earnings for 1998.VR earnings are a projection based on multiplying weekly earnings at closure by 52. The average state earnings data are from the Bureau of Economic Analysis and are for workers defined as production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services for 1998. The third column is a ratio of the yearly VR earnings to the state average. For the sake of comparison the table is sorted by this column.
- 5A. Total successful supported employment closures and % of successful closures using supported employment. The first column is the total number of successful supported employment closures that meet all criteria, (see Trends in supported employment section for criteria). The second column is the percent of all competitive labor market closures for which supported employment, all successful criteria met, was listed as an outcome.

<sup>1</sup>Table 2 totals (page 10) include all territories and are therefore slightly higher than Appendix Tables 1A & 2A. Territories included are: American Samoa, Guam, Northern Marianas, Palau, Puerto Rico, and the Virgin Islands.

<sup>2</sup>Table 3A national averages are unweighted averages, and therefore do not match the <u>percent of sample</u> columns on Table 2 (page 10).

Table1A Successful competitive labor market closures

|             | 1985    | 1988       | 1991       | 1993        | 1995       | 1998        |
|-------------|---------|------------|------------|-------------|------------|-------------|
| State<br>AK | 31      | 94         | 53         | 38          | 73         | 52          |
| AL          | 1014    | 1256       | 1454       | 1525        | 1637       | 1767        |
| AR          | 297     | 286        | 289        | 176         | 244        | 199         |
| AZ          | 198     | 198        | 289        | 246         | 225        | 238         |
|             | 1277    | 1793       |            | 1993        | 2391       | 238<br>2432 |
| CA          | 391     | 1/93       | 2462       | 1993        | 327        | 2432<br>344 |
| CO<br>CT    | 248     | 383<br>263 | 433<br>236 | 325         | 327<br>245 | 344<br>268  |
|             |         |            |            | 182         |            | 208         |
| DC          | 112     | 137        | 64         | 60<br>1 4 5 | 56         | 42          |
| DE          | 155     | 160        | 100        | 145         | 133        | 144         |
| FL          | missing | 648        | 733        | 700         | 768        | 846         |
| GA          | 1592    | 1326       | 1146       | 954         | 954        | 797         |
| HI          | 66      | 113        | 103        | 70          | 52         | 66          |
| IA          | 291     | 371        | 381        | 351         | 533        | 577         |
| ID          | 108     | 159        | 168        | 169         | 222        | 234         |
| IL          | 918     | 1229       | 959        | 774         | 972        | 1060        |
| IN          | 320     | 634        | 723        | 600         | 864        | 760         |
| KS          | 213     | 201        | 165        | 264         | 334        | 365         |
| KY          | 211     | 255        | 267        | 340         | 487        | 539         |
| LA          | 184     | 226        | 336        | 381         | 507        | 708         |
| MA          | 528     | 466        | 404        | 372         | 490        | 495         |
| MD          | 330     | 371        | 424        | 367         | 506        | 486         |
| ME          | 58      | 79         | 76         | 112         | 114        | 135         |
| MI          | 1006    | 959        | 919        | 980         | 1185       | 1209        |
| MN          | 638     | 596        | 603        | 502         | 532        | 488         |
| MO          | 860     | 735        | 702        | 625         | 862        | 814         |
| MS          | 521     | 316        | 412        | 448         | 374        | 312         |
| MT          | 58      | 82         | 93         | 89          | 66         | 92          |
| NC          | 2007    | 1282       | 1261       | 1234        | 916        | 1367        |
| ND          | 72      | 92         | 83         | 80          | 92         | 84          |
| NE          | 192     | 208        | 186        | 162         | 198        | 291         |
| NH          | 157     | 182        | 159        | 161         | 158        | 165         |
| NJ          | 347     | 257        | 154        | 188         | 253        | 360         |
| NM          | 48      | 85         | 93         | 120         | 115        | 111         |
| NV          | 45      | 51         | 37         | 41          | 98         | 101         |
| NY          | 1198    | 1414       | 1323       | 1013        | 2299       | 1995        |
| OH          | 835     | 725        | 805        | 712         | 1037       | 1248        |
| OK          | 340     | 287        | 266        | 336         | 369        | 306         |
| OR          | 124     | 309        | 265        | 283         | 269        | 396         |
| PA          | 1155    | 1242       | 802        | 806         | 1047       | 1106        |
| RI          | 78      | 58         | 49         | 30          | 75         | 76          |
| SC          | 1685    | 1490       | 862        | 817         | 720        | 561         |
| SD          | 74      | 105        | 118        | 129         | 149        | 183         |
| TN          | 339     | 466        | 460        | 526         | 770        | 868         |
| ТХ          | 913     | 913        | 1112       | 1056        | 1132       | 1021        |
| UT          | 285     | 300        | 291        | 257         | 261        | 284         |
| VA          | 681     | 770        | 525        | 587         | 552        | 730         |
| VT          | 80      | 85         | 84         | 90          | 111        | 149         |
| WA          | 258     | 315        | 344        | 425         | 566        | 531         |
| WI          | 714     | 622        | 560        | 564         | 582        | 589         |
| WV          | 184     | 220        | 186        | 175         | 203        | 191         |
| WY          | 43      | 22         | 46         | 44          | 62         | 38          |
| Total       | 23,479  | 24,836     | 24,070     | 22,624      | 27,187     | 28,220      |

| Isos         Isos <thisos< th="">         Isos         Isos         <thi< th=""><th><u>Successiui es</u></th><th><u>stended employmen</u><br/>1985</th><th>1988</th><th>1991</th><th>1993</th><th>1995</th><th>1998</th></thi<></thisos<> | <u>Successiui es</u> | <u>stended employmen</u><br>1985 | 1988     | 1991     | 1993    | 1995     | 1998 |
|--|----------------------|----------------------------------|----------|----------|---------|----------|------|
| AK       7       6       34       24       4       10         AL       99       84       56       61       90       79         AR       117       81       78       89       79       63         AZ       24       32       36       36       121       26         CA       43       34       33       23       10       13         CO       137       69       53       29       24       20         CT       196       91       108       52       36       28         DE       45       22       16       1       3       1         FL       mixing       129       102       89       56       20         GA       111       90       116       94       74       89         HI       58       46       39       35       25       36         IL       679       798       482       380       275       246         IN       682       884       55       465       235       167         KY       70       38       50       59       76       72 </th <th>State</th> <th>1305</th> <th>1500</th> <th>1551</th> <th>1995</th> <th>1555</th> <th>1550</th>  | State                | 1305                             | 1500     | 1551     | 1995    | 1555     | 1550 |
| AL       99       84       56       61       90       79         AZ       117       81       78       89       79       63         AZ       24       32       36       36       121       26         CA       43       34       33       23       10       13         CO       137       69       53       29       24       20         CT       196       91       108       52       36       28         DC       62       18       15       17       22       19         DE       45       22       16       1       3       11         90       114       90       116       94       74       89         HI       58       46       39       35       25       36         L       679       798       482       300       275       246         IN       682       884       555       465       235       167         KS       58       51       37       46       38       33         KY       70       38       50       59       76       72 <td></td> <td>7</td> <td>6</td> <td>34</td> <td>24</td> <td>4</td> <td>10</td>   |                      | 7                                | 6        | 34       | 24      | 4        | 10   |
| AR       117       81       78       89       79       63         AZ       24       32       36       36       121       26         CA       43       34       33       23       10       13         CO       137       69       53       29       24       20         CT       196       91       108       52       36       28         DC       62       18       15       17       22       19         DE       45       22       16       1       3       1         FL       missing       129       102       89       56       20         GA       111       90       116       94       74       89         HI       53       185       182       154       119       106         ID       30       43       26       20       25       36         IL       679       798       482       380       275       246         IN       682       884       555       465       235       167         KS       58       51       37       8       33  |                      |                                  | 84       | 56       |         |          |      |
| AZ2432363612126CA433433231013CO1376953292420CT19691108523628DC621815172219DE452216131FLmixing129102895620GA11190116947489HI584639352534IA153185182154119106D304326202536IL679798482380275246IN68288455465235167KS585137463833KY703850597672LA8761944743MD139133768919101MN335226168139154133MO640706647493492592MS501324MT1319211596NC764741221523ND71610255NE1355<  |                      |                                  |          | J0<br>70 | 01      |          |      |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $   |                      | 117                              |          |          |         |          | 00   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 24                               |          |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      |                                  |          |          |         |          | 13   |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $   |                      |                                  |          |          |         |          |      |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $   |                      | 196                              |          |          | 52      | 36       |      |
| FL       missing       129       102       89       56       20         GA       111       90       116       94       74       89         HI       58       46       39       35       25       34         IA       153       185       182       154       119       106         ID       30       43       26       20       25       366         IL       679       798       482       380       275       246         IN       682       884       555       465       235       167         KS       58       51       37       46       38       33         KY       70       38       50       59       76       72         LA       87       61       94       69       49       47         MA       274       251       151       60       45       43         MD       139       136       5       3       8         MI       146       139       56       67       91       101         MN       335       226       168       133       314       4  |                      | 62                               |          |          |         | 22       | 19   |
| FL       missing       129       102       89       56       20         GA       111       90       116       94       74       89         HI       58       46       39       35       25       34         IA       153       185       182       154       119       106         ID       30       43       26       20       25       366         IL       679       798       482       380       275       246         IN       682       884       555       465       235       167         KS       58       51       37       46       38       33         KY       70       38       50       59       76       72         LA       87       61       94       69       49       47         MA       274       251       151       60       45       43         MD       139       136       5       3       8         MI       146       139       56       67       91       101         MN       335       226       168       133       314       4  | DE                   | 45                               | 22       | 16       | 1       | 3        | 1    |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | FL                   | missing                          | 129      | 102      | 89      | 56       | 20   |
| HI       58       46       39       35       25       34         IA       153       185       182       154       119       106         ID       30       43       26       20       25       36         IL       679       798       482       380       275       246         IN       682       844       555       465       235       167         KS       58       51       37       46       38       33         KY       70       38       50       59       76       72         LA       87       61       94       69       49       47         MD       139       133       78       39       29       58         ME       29       13       16       5       3       8         MI       146       139       56       67       91       101         MN       335       226       168       139       154       133         MO       640       706       647       493       492       592         MS       5       0       1       32       16  |                      |                                  |          |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      |                                  |          |          |         |          |      |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $   |                      | 153                              |          |          |         |          |      |
| IL679798482380275246IN682884555465235167KS585137463833KY703850597672LA876194694947MA274251151604543MD13913378392958ME291316538MI146139566791101MN335226168139154133MO640706647493492592MS501324MT1319211596NC7664741221523ND7161025NE133144NJ328313216268266NV322618111236NV322618111236NV3234349396490OR91694647300PA270369187134165215RI515334161340SD16141710 <td></td> <td>20</td> <td>105</td> <td></td> <td>20</td> <td>25</td> <td>26</td>  |                      | 20                               | 105      |          | 20      | 25       | 26   |
| IN         682         884         555         465         235         167           KS         58         51         37         46         38         33           KY         70         38         50         59         76         72           LA         87         61         94         69         49         47           MA         274         251         151         60         45         43           MD         139         133         78         39         29         58           ME         29         13         16         5         3         8           MI         146         139         56         67         91         101           MN         335         226         168         139         154         133           MO         640         706         647         493         492         592           MS         5         0         1         3         2         4           MT         13         15         5         4         4         11           NH         34         13         3         1         4 </td <td></td> <td>50</td> <td>40</td> <td></td> <td>20</td> <td>20</td> <td>30</td>  |                      | 50                               | 40       |          | 20      | 20       | 30   |
| KS       58       51       37       46       38       33         KY       70       38       50       59       76       72         LA       87       61       94       69       49       47         MA       274       251       151       60       45       43         MD       139       133       78       39       29       58         MI       146       139       56       67       91       101         MN       335       226       168       139       154       133         MO       640       706       647       493       492       592         MS       5       0       1       3       2       4         MT       13       19       21       15       9       6         NC       76       47       41       22       15       23         ND       7       16       1       0       2       5         NH       34       13       3       1       4       4         NJ       328       313       216       268       266       171     <   |                      | 679                              | 798      |          |         |          | 240  |
| KY       70       38       50       59       76       72         LA       87       61       94       69       49       47         MA       274       251       151       60       45       43         MD       139       133       78       39       29       58         ME       29       13       16       5       3       8         MI       146       139       56       67       91       101         MN       335       226       168       139       154       133         MO       640       706       647       493       492       592         MS       5       0       1       3       2       4         MT       13       19       21       15       9       6         NC       76       47       41       22       15       23         ND       7       16       1       0       2       5         NE       13       5       5       4       4       11         NH       34       13       216       266       171  |                      |                                  | 884      |          |         |          | 167  |
| LA876194694947MA274251151604543MD13913378392958ME291316538MI146139566791101MN335226168139154133MO640706647493492592MS501324MT1319211596NC764741221523ND7161025NE13554411NH34133144NJ328313216268266171NM295732302518NV322618111236NY15961532156615121209871OH7033351161038499OK234349396490OR916946473000PA270369187134165215RI515334161340SC1348962SD1614   |                      | 58                               | 51       |          | 46      |          | 33   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 70                               | 38       |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      |                                  |          |          |         |          |      |
| ME291316538MI146139566791101MN335226168139154133MO640706647493492592MS501324MT1319211596NC764741221523ND7161025NE13554411NH34133144NI328313216266171NM295732302518NV322618111236NY15961532156615121209871OK234349396490OR91694647300PA270369187134165215RI515334161340SC1348962SD16141710910TN526411814617795TX37258341122517598UT4562231216154176VT266110   | MA                   | 274                              | 251      | 151      | 60      | 45       | 43   |
| ME291316538MI146139566791101MN335226168139154133MO640706647493492592MS501324MT1319211596NC764741221523ND7161025NE13554411NH34133144NI328313216266171NM295732302518NV322618111236NY15961532156615121209871OK234349396490OR91694647300PA270369187134165215RI515334161340SC1348962SD16141710910TN526411814617795TX37258341122517598UT4562231216154176VT266110   | MD                   | 139                              | 133      | 78       | 39      | 29       | 58   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 29                               | 13       |          |         | 3        |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 146                              |          |          | 67      | 91       |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 335                              | 226      |          |         |          | 133  |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   |                      |                                  |          |          |         |          | 502  |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$   |                      | 5                                |          |          | 433     |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | ິ<br>ບ                           | 0        | 1        | 3<br>17 | 2        |      |
| NE13554411NH34133144NJ328313216268266171NM295732302518NV322618111236NY15961532156615121209871OH7033351161038499OK234349396490OR91694647300PA270369187134165215RI515334161340SC1348962SD16141710910TN526411814617795TX37258341122517598UT456223192223VA256225231216154176VT26611011WA555865574858WI653136272826WV927099695536WY97191241   |                      | 13                               |          |          | 10      | 9        |      |
| NE13554411NH34133144NJ328313216268266171NM295732302518NV322618111236NY15961532156615121209871OH7033351161038499OK234349396490OR91694647300PA270369187134165215RI515334161340SC1348962SD16141710910TN526411814617795TX37258341122517598UT456223192223VA256225231216154176VT26611011WA555865574858WI653136272826WV927099695536WY97191241   |                      | 76                               |          |          | 22      | 15       | 23   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      |                                  |          |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      |                                  |          |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      |                                  |          |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | NJ                   | 328                              | 313      | 216      | 268     | 266      | 171  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | NM                   | 29                               | 57       | 32       | 30      | 25       | 18   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 32                               | 26       | 18       | 11      | 12       | 36   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | NY                   | 1596                             | 1532     | 1566     | 1512    | 1209     | 871  |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 703                              | 335      |          |         | 84       | 99   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | OK                   | 23                               | 13       |          | 30      |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      |                                  |          |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 91                               |          |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      |                                  | 369      |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 51                               |          |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 13                               |          | 8        | 9       | 6        |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      | 16                               |          |          |         |          |      |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  | TN                   | 52                               | 64       | 118      | 146     | 177      | 95   |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$  |                      |                                  |          |          |         |          | 98   |
| VA256225231216154176VT26611011WA555865574858WI653136272826WV927099695536WY97191241   | UT                   | 45                               | 62       | 23       | 19      | 22       | 23   |
| VT26611011WA555865574858WI653136272826WV927099695536WY97191241   |                      |                                  | 225      |          |         |          |      |
| WA555865574858WI653136272826WV927099695536WY97191241   |                      |                                  |          |          | 0       |          |      |
| WI653136272826WV927099695536WY97191241   |                      |                                  |          |          |         |          |      |
| WV927099695536WY97191241   |                      |                                  |          |          |         | 40       |      |
| WY 9 7 19 12 4 1   |                      | 00                               | 31<br>70 |          |         | 28<br>55 | 20   |
|  |                      |                                  |          |          |         |          |      |
| Total         8493         8251         6602         5541         4758         4163  |                      |                                  |          |          |         |          |      |
|  | Total                | 8493                             | 8251     | 6602     | 5541    | 4758     | 4163 |

 Table 2A

 Successful extended employment (sheltered workshop) closures

| <u>% OF Successful closures by Work status, competitive labor market and extended employment</u><br>Competitive Labor Market Extended employment (sheltered work |          |          |             |                         |                    |          |      |             |           |                    |         |                   |
|--|----------|----------|-------------|-------------------------|--------------------|----------|------|-------------|-----------|--------------------|---------|-------------------|
|  | 1985     | 1988     | <u>1991</u> | <u>abor Mar</u><br>1993 | <u>ket</u><br>1995 | 1998     | 1985 | <u>1988</u> | 1991      | (sneltered<br>1993 | 1995    | <u>p)</u><br>1998 |
| State  | 1980     | 1988     | 1991        | 1993                    | 1995               | 1998     | 1985 | 1988        | 1991      | 1993               | 1995    | 1998              |
| State<br>AK  | 78       | 92       | 61          | 59                      | 92                 | 83       | 18   | 6           | 39        | 38                 | 5       | 16                |
|  | 78<br>86 | 92<br>88 | 93          | 92                      | 92<br>92           |          | 8    |             |           |                    |         |                   |
| AL<br>AR   | 80<br>58 | 88<br>70 | 93<br>72    | 92<br>63                | 92<br>71           | 93<br>74 | 23   | 6<br>20     | $4 \\ 20$ | 4                  | 5<br>23 | $4 \\ 24$         |
|  |          |          |             |                         |                    |          |      |             |           | 32                 |         |                   |
| AZ   | 87       | 86       | 88          | 87                      | 64                 | 89       | 11   | 14          | 11        | 13                 | 35      | 10                |
| CA   | 94       | 97       | 98          | 98                      | 99                 | 99       | 3    | 2           | 1         | 1                  | 0       | 1                 |
| CO   | 71       | 80       | 86          | 89                      | 90                 | 91       | 25   | 14          | 11        | 8                  | 7       | 5                 |
| CT   | 55       | 74       | 67          | 77                      | 87                 | 91       | 44   | 25          | 31        | 22                 | 13      | 9                 |
| DC   | 64       | 88       | 79          | 76                      | 72                 | 69       | 35   | 12          | 19        | 22                 | 28      | 31                |
| DE   | 77       | 87       | 86          | 99                      | 98                 | 99       | 22   | 12          | 14        | 1                  | 2       | 1                 |
| FL   |          | 81       | 86          | 87                      | 93                 | 97       |      | 16          | 12        | 11                 | 7       | 2                 |
| GA   | 82       | 81       | 76          | 84                      | 90                 | 86       | 6    | 5           | 8         | 8                  | 7       | 10                |
| HI   | 50       | 68       | 71          | 65                      | 66                 | 64       | 44   | 28          | 27        | 32                 | 32      | 33                |
| IA   | 60       | 63       | 64          | 66                      | 79                 | 82       | 32   | 31          | 31        | 29                 | 18      | 15                |
| ID   | 76       | 78       | 86          | 89                      | 89                 | 86       | 21   | 21          | 13        | 11                 | 10      | 13                |
| IL   | 51       | 55       | 62          | 64                      | 76                 | 76       | 38   | 36          | 31        | 31                 | 21      | 18                |
| IN   | 31       | 41       | 56          | 56                      | 78                 | 81       | 66   | 57          | 43        | 43                 | 21      | 18                |
| KS   | 75       | 78       | 79          | 83                      | 85                 | 89       | 20   | 20          | 18        | 14                 | 10      | 8                 |
| KY   | 68       | 83       | 78          | 79                      | 83                 | 84       | 23   | 12          | 15        | 14                 | 13      | 11                |
| LA   | 58       | 65       | 68          | 84                      | 90                 | 93       | 27   | 17          | 19        | 15                 | 9       | 6                 |
| MA   | 64       | 63       | 70          | 81                      | 89                 | 91       | 33   | 34          | 26        | 13                 | 8       | 8                 |
| MD   | 68       | 72       | 84          | 90                      | 94                 | 89       | 28   | 26          | 15        | 10                 | 5       | 11                |
| ME   | 59       | 86       | 81          | 94                      | 97                 | 91       | 30   | 14          | 17        | 4                  | 3       | 5                 |
| MI   | 86       | 84       | 93          | 92                      | 92                 | 92       | 12   | 12          | 6         | 6                  | 7       | 8                 |
| MN   | 64       | 72       | 33<br>77    | 32<br>77                | 52<br>77           | 32<br>77 | 34   | 27          | 21        | 21                 | 22      | 21                |
| MO   | 55       | 50       | 51          | 55                      | 63                 | 57       | 41   | 48          | 47        | 43                 | 36      | 42                |
| MS   | 89       | 99       | 99          | 98                      | 98                 | 98       | 41   | 40          | 47        | 43                 | 1       | 42                |
| MT   | 74       | 55<br>78 | 55<br>76    | 58<br>84                | 86                 | 91       | 17   | 18          | 17        | 14                 | 12      | 6                 |
| NC   | 91       | 95       | 70<br>94    |                         | 98                 | 91<br>96 |      | 3           | 3         | 2                  | 2       | 0<br>2            |
| ND   | 91<br>84 | 95<br>80 | 94<br>93    | 95<br>99                | 98<br>96           | 90<br>93 | 3    | 3<br>14     |           | 2<br>0             | 2       | 2<br>6            |
|  |          |          |             |                         |                    |          | 8    | 14          | 1<br>3    |                    | 2       |                   |
| NE   | 85       | 94       | 94          | 95                      | 96                 | 93<br>05 | 6    |             |           | 2                  |         | 4                 |
| NH   | 81       | 91       | 92          | 96                      | 94                 | 95       | 17   | 6           | 2         | 1                  | 2       | 2                 |
| NJ   | 51       | 45       | 41          | 41                      | 48                 | 68       | 48   | 55          | 58        | 59                 | 51      | 32                |
| NM   | 58       | 59       | 72          | 78                      | 77                 | 82       | 35   | 39          | 25        | 19                 | 17      | 13                |
| NV   | 58       | 65       | 66          | 79                      | 89                 | 72       | 42   | 33          | 32        | 21                 | 11      | 26                |
| NY   | 41       | 46       | 45          | 30                      | 64                 | 68       | 55   | 50          | 53        | 45                 | 34      | 30                |
| OH   | 52       | 67       | 87          | 86                      | 92                 | 92       | 44   | 31          | 12        | 12                 | 7       | 7                 |
| OK   | 81       | 73       | 72          | 75                      | 75                 | 73       | 5    | 11          | 13        | 9                  | 13      | 21                |
| OR   | 57       | 80       | 85          | 84                      | 88                 | 99       | 42   | 18          | 15        | 14                 | 10      | 0                 |
| PA   | 76       | 72       | 78          | 83                      | 84                 | 82       | 18   | 22          | 18        | 14                 | 13      | 16                |
| RI   | 57       | 50       | 58          | 63                      | 83                 | 63       | 37   | 46          | 40        | 33                 | 14      | 33                |
| SC   | 99       | 98       | 98          | 96                      | 98                 | 99       | 1    | 0           | 1         | 1                  | 1       | 0                 |
| SD   | 77       | 84       | 86          | 92                      | 94                 | 95       | 17   | 11          | 12        | 7                  | 6       | 5                 |
| TN   | 82       | 84       | 77          | 75                      | 78                 | 88       | 13   | 12          | 20        | 21                 | 18      | 10                |
| ΤX   | 69       | 60       | 72          | 81                      | 85                 | 90       | 28   | 38          | 26        | 17                 | 13      | 9                 |
| UT   | 80       | 76       | 87          | 86                      | 89                 | 90       | 13   | 16          | 7         | 6                  | 8       | 7                 |
| VA   | 71       | 77       | 68          | 72                      | 77                 | 80       | 27   | 22          | 30        | 26                 | 21      | 19                |
| VT   | 70       | 89       | 86          | 99                      | 96                 | 96       | 23   | 6           | 11        | 0                  | 1       | 1                 |
| WA   | 79       | 83       | 83          | 88                      | 92                 | 90       | 17   | 15          | 16        | 12                 | 8       | 10                |
| WI   | 86       | 93       | 92          | 94                      | 93                 | 94       | 8    | 5           | 6         | 4                  | 4       | 4                 |
| WV   | 60       | 70       | 61          | 66                      | 74                 | 80       | 30   | 22          | 33        | 26                 | 20      | 15                |
| WY   | 77       | 70       | 71          | 77                      | 93                 | 97       | 16   | 23          | 29        | 20<br>21           | 20<br>6 | 3                 |
| Total  | 70       | 76       | 77          | 80                      | 85                 | 86       | 24   | 20          | 19        | 16                 | 13      | 12                |
| i Otai   | 10       | 10       |             | 00                      | 00                 | 00       | 64   | 20          | 15        | 10                 | 15      | 12                |

| Table 3A                                |   |
|---|---|
| % of successful closures by work status | , competitive labor market and extended employment only |

| VR earnings         State earnings         % VR of State <sup>3</sup> State         AR         10665         23856         45           MS         9366         23203         40           OK         9954         24591         40           AL         10352         26295         39           ND         8917         22641         39           SC         9911         25517         39           SD         8382         22168         38           KY         9667         26033         37           WV         9076         24639         37           AK         11557         33163         35           LA         9033         26161         35           NC         9345         27618         34           UT         9105         2423         34           IA         8311         25334         33           MO         9092         28206         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA | <u>earnings with average state earnings for 1998</u> |             |                             |                            |  |  |  |  |  |
|--|--|-------------|-----------------------------|----------------------------|--|--|--|--|--|
| AR       10665       23856       45         MS       9366       23203       40         OK       9954       24591       40         AL       10352       26295       39         ND       8917       22641       39         SC       9911       25517       39         SD       8382       22168       38         KY       9667       26033       37         AK       11557       33163       35         LA       9033       26161       35         NC       9345       27840       34         UT       9105       26423       34         UT       9105       26423       34         UT       9105       26423       34         UT       9105       26423       32         NV       9781       30510       32         DE       9963       32980       30         GA       9128       30230       30         TX       9121       30864       30         VA       9426       30982       30         AZ       8479       28987       29  |  | VR earnings | State earnings <sup>1</sup> | % VR of State <sup>2</sup> |  |  |  |  |  |
| MS         9366         23203         40           OK         9954         24591         40           AL         10352         26295         39           ND         8917         22641         39           SC         9911         25517         39           SD         8382         22168         38           KY         9667         26033         37           WV         9076         24639         37           AK         11557         33163         35           LA         9033         26161         35           NC         9345         27618         34           UT         9105         26423         34           UT         9105         26423         34           IA         8311         25324         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         289         | State  |             |                             |                            |  |  |  |  |  |
| OK         9954         24591         40           AL         10352         26295         39           ND         8917         22641         39           SC         9911         25517         39           SD         8382         22168         38           KY         9667         26033         37           WV         9076         24639         37           AK         11557         33163         35           LA         9033         26161         35           NC         9345         27618         34           TN         9505         27840         34           UT         9105         26423         34           UT         9105         26423         34           UT         9105         26423         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         309         | AR   | 10665       | 23856                       | 45                         |  |  |  |  |  |
| AL       10352       26295       39         ND       8917       22641       39         SC       9911       25517       39         SD       8382       22168       38         KY       9667       26033       37         WV       9076       24639       37         AK       11557       33163       35         LA       9033       26161       35         NC       9345       27618       34         UT       9105       26423       34         UT       9105       26423       34         UT       9105       26423       32         NC       9345       27514       32         NV       9781       30510       32         DE       9963       32980       30         GA       9128       30230       30         TX       9121       30864       30         VA       9426       30982       30         AZ       8479       28987       29         DC       13954       47787       29         MN       8932       31300       29  | MS   | 9366        | 23203                       | 40                         |  |  |  |  |  |
| AL       10352       26295       39         ND       8917       22641       39         SC       9911       25517       39         SD       8382       22168       38         KY       9667       26033       37         WV       9076       24639       37         AK       11557       33163       35         LA       9033       26161       35         NC       9345       27618       34         UT       9105       26423       34         UT       9105       26423       34         UT       9105       26423       32         NC       9345       27514       32         NV       9781       30510       32         DE       9963       32980       30         GA       9128       30230       30         TX       9121       30864       30         VA       9426       30982       30         AZ       8479       28987       29         DC       13954       47787       29         MN       8932       31300       29  |  |             |                             |                            |  |  |  |  |  |
| ND         8917         22641         39           SC         9911         25517         39           SD         8382         22168         38           KY         9667         26033         37           WV         9076         24639         37           AK         11557         33163         35           LA         9033         26161         35           NC         9345         27618         34           UT         9105         26423         34           IA         8311         25334         33           MO         9092         28206         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         29897         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         313         |  | 10352       |                             | 39                         |  |  |  |  |  |
| SC         9911         2517         39           SD         8382         22168         38           KY         9667         26033         37           WV         9076         24639         37           AK         11557         33163         35           LA         9033         26161         35           NC         9345         27618         34           TN         9505         27840         34           UT         9105         26423         34           IA         8311         25334         33           MO         9092         28206         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         2625         |  |             | 22641                       |                            |  |  |  |  |  |
| SD         8382         22168         38           KY         9667         26033         37           WV         9076         24639         37           AK         11557         33163         35           LA         9033         26161         35           NC         9345         27618         34           UT         9105         26423         34           UT         9105         26423         34           IA         8311         25334         33           MO         9092         28206         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         313         |  |             | 25517                       |                            |  |  |  |  |  |
| KY         9667         26033         37           WV         9076         24639         37           AK         11557         33163         35           LA         9033         26161         35           NC         9345         27618         34           TN         9505         27840         34           UT         9105         26423         34           IA         8311         25334         33           MO         9092         28206         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         297         |  |             |                             |                            |  |  |  |  |  |
| WV         9076         24639         37           AK         11557         33163         35           LA         9033         26161         35           NC         9345         27618         34           TN         9505         27840         34           UT         9105         26423         34           IA         8311         25334         33           MO         9092         28206         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         308         |  |             |                             |                            |  |  |  |  |  |
| AK       11557       33163       35         LA       9033       26161       35         NC       9345       27618       34         TN       9505       27840       34         UT       9105       26423       34         IA       8311       25334       33         MO       9092       28206       32         NE       8281       25524       32         NV       9781       30510       32         DE       9963       32980       30         GA       9128       30230       30         TX       9121       30864       30         VA       9426       30982       30         AZ       8479       28987       29         DC       13954       47787       29         KS       7661       26250       29         MN       8932       31300       29         OH       8571       29741       29         KS       7661       26250       29         MI       8014       27869       29         FL       7759       27863       28         <   |  |             |                             |                            |  |  |  |  |  |
| LA         9033         26161         35           NC         9345         27618         34           TN         9505         27840         34           UT         9105         26423         34           IA         8311         25334         33           MO         9092         28206         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         30887         29           WI         8014         27869         29           FL         7759         27863         28           ID         6886         2442         |  |             |                             |                            |  |  |  |  |  |
| NC         9345         27618         34           TN         9505         27840         34           UT         9105         26423         34           IA         8311         25334         33           MO         9092         28206         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         30887         29           WI         8014         27869         29           FL         7759         27863         28           ID         6886         2442         |  |             |                             |                            |  |  |  |  |  |
| TN         9505         27840         34           UT         9105         26423         34           IA         8311         25334         33           MO         9092         28206         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         30887         29           WI         8014         27869         29           FL         7759         27863         28           ID         6886         24422         28           MT         6390         2242         |  |             |                             |                            |  |  |  |  |  |
| UT       9105       26423       34         IA       8311       25334       33         MO       9092       28206       32         NE       8281       25524       32         NV       9781       30510       32         DE       9963       32980       30         GA       9128       30230       30         TX       9121       30864       30         VA       9426       30982       30         AZ       8479       28987       29         DC       13954       47787       29         KS       7661       26250       29         MN       8932       31300       29         OH       8571       29741       29         PA       9003       30887       29         WI       8014       27869       29         FL       7759       27863       28         ID       6886       24422       28         MT       6390       22425       28         MI       7657       25689       27         NM       7057       25689       27 <t< td=""><td></td><td></td><td></td><td></td></t<>  |  |             |                             |                            |  |  |  |  |  |
| IA       8311       25334       33         MO       9092       28206       32         NE       8281       25524       32         NV       9781       30510       32         DE       9963       32980       30         GA       9128       30230       30         TX       9121       30864       30         VA       9426       30982       30         AZ       8479       28887       29         DC       13954       47787       29         KS       7661       26250       29         MN       8932       31300       29         OH       8571       29741       29         PA       9003       30887       29         WI       8014       27869       29         FL       7759       27863       28         ID       6886       24422       28         MT       6390       22425       28         HI       7869       28688       27         IN       7057       25689       27         NM       7057       25689       25 <t< td=""><td></td><td></td><td></td><td></td></t<>  |  |             |                             |                            |  |  |  |  |  |
| MO         9092         28206         32           NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         30887         29           WI         8014         27869         29           FL         7759         27863         28           ID         6886         24422         28           MT         6390         22425         28           HI         7869         2868         27           IN         7057         25689         27           CO         8246         31577         |  |             |                             |                            |  |  |  |  |  |
| NE         8281         25524         32           NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         30887         29           WI         8014         27869         29           FL         7759         27863         28           ID         6886         24422         28           MT         6390         22425         28           HI         7869         28868         27           IN         7697         28472         27           NM         7057         25689         27           CO         8246         3157         |  |             |                             |                            |  |  |  |  |  |
| NV         9781         30510         32           DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         30887         29           WI         8014         27869         29           FL         7759         27863         28           ID         6886         24422         28           MT         6390         22425         28           HI         7869         28868         27           IN         7697         28472         27           NM         7057         25689         27           OR         8246         31577         26           MD         8461         3266         |  |             |                             |                            |  |  |  |  |  |
| DE         9963         32980         30           GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         30887         29           WI         8014         27869         29           FL         7759         27863         28           D         6886         24422         28           MT         6390         22425         28           HI         7869         28868         27           IN         7057         25689         27           CO         8246         31577         26           MA         9442         36825         26           MD         8461         32664         26           NJ         9949         38448         |  |             |                             |                            |  |  |  |  |  |
| GA         9128         30230         30           TX         9121         30864         30           VA         9426         30982         30           AZ         8479         28987         29           DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         30887         29           WI         8014         27869         29           FL         7759         27663         28           DD         6886         24422         28           MT         6390         22425         28           HI         7869         28868         27           IN         7697         28472         27           NM         7057         25689         27           CO         8246         31577         26           MA         9442         36825         26           MD         8461         32664         26           NJ         9949         3844         |  |             |                             |                            |  |  |  |  |  |
| TX91213086430VA94263098230AZ84792898729DC139544778729KS76612625029MN89323130029OH85712974129PA90033088729WI80142786929FL77592786328ID68862442228MT63902242528HI7869286827IN76972568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563032222CT84804006421ME53652538521NY83793975121  |  |             |                             |                            |  |  |  |  |  |
| VA       9426       30982       30         AZ       8479       28987       29         DC       13954       47787       29         KS       7661       26250       29         MN       8932       31300       29         OH       8571       29741       29         PA       9003       30887       29         WI       8014       27869       29         FL       7759       27863       28         ID       6886       24422       28         MT       6390       22425       28         HI       7869       28868       27         IN       7697       28472       27         NM       7057       25689       27         CO       8246       31577       26         MA       9442       36825       26         MD       8461       32664       26         NJ       9949       38448       26         OR       7398       29075       25         RI       7431       29399       25         VT       6500       25883       25 <t< td=""><td></td><td></td><td></td><td></td></t<>  |  |             |                             |                            |  |  |  |  |  |
| AZ84792898729DC139544778729KS76612625029MN89323130029OH85712974129PA90033088729WI80142786929FL77592786328ID68862442228MT63902242528HI78692868827IN76972847227NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   |  |             |                             |                            |  |  |  |  |  |
| DC         13954         47787         29           KS         7661         26250         29           MN         8932         31300         29           OH         8571         29741         29           PA         9003         30887         29           WI         8014         27869         29           FL         7759         27863         28           ID         6886         24422         28           MT         6390         22425         28           HI         7869         28868         27           IN         7697         28472         27           NM         7057         25689         27           CO         8246         31577         26           MA         9442         36825         26           MD         8461         32664         26           NJ         9949         38448         26           OR         7398         29075         25           RI         7431         29399         25           VT         6500         25883         25           IL         8183         3412         |  |             |                             |                            |  |  |  |  |  |
| KS76612625029MN89323130029OH85712974129PA90033088729WI80142786929FL77592786328ID68862442228MT63902242528HI78692847227NM70572868827IN76972847227NM70572668927CO82463157726MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI7556376722NH65253032222CT84804006421ME53652538521NY83793975121   |  |             |                             |                            |  |  |  |  |  |
| MN89323130029OH85712974129PA90033088729WI80142786929FL77592786328ID68862442228MT63902242528HI78692886827IN76972847227NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460923MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  |  |             |                             |                            |  |  |  |  |  |
| OH85712974129PA90033088729WI80142786929FL77592786328ID68862442228MT63902242528HI78692886827IN76972847227NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  |  |             |                             |                            |  |  |  |  |  |
| PA       9003       30887       29         WI       8014       27869       29         FL       7759       27863       28         ID       6886       24422       28         MT       6390       22425       28         HI       7869       28868       27         IN       7697       28472       27         NM       7057       25689       27         CO       8246       31577       26         MA       9442       36825       26         MD       8461       32664       26         NJ       9949       38448       26         OR       7398       29075       25         RI       7431       29399       25         VT       6500       25883       25         IL       8183       34125       24         WA       7989       3381       24         WY       6001       24609       23         MI       7556       33767       22         NH       6525       30322       22         CT       8480       40064       21  |  | 8932        |                             |                            |  |  |  |  |  |
| WI80142786929FL77592786328ID68862442228MT63902242528HI78692886827IN76972847227NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  |  |             |                             |                            |  |  |  |  |  |
| FL77592786328ID68862442228MT63902242528HI78692886827IN76972847227NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   |  |             |                             |                            |  |  |  |  |  |
| ID68862442228MT63902242528HI78692886827IN76972847227NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  |  |             |                             |                            |  |  |  |  |  |
| MT63902242528HI78692886827IN76972847227NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   |  |             |                             |                            |  |  |  |  |  |
| HI78692886827IN76972847227NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563032222CT84804006421ME53652538521NY83793975121   |  |             |                             |                            |  |  |  |  |  |
| IN76972847227NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563032222CT84804006421ME53652538521NY83793975121  |  | 6390        |                             |                            |  |  |  |  |  |
| NM70572568927CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460923MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   |  |             |                             |                            |  |  |  |  |  |
| CO82463157726MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   |  |             |                             |                            |  |  |  |  |  |
| MA94423682526MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  |  |             |                             |                            |  |  |  |  |  |
| MD84613266426NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   |  |             |                             |                            |  |  |  |  |  |
| NJ99493844826OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  |  | 9442        | 36825                       |                            |  |  |  |  |  |
| OR73982907525RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   |  | 8461        | 32664                       | 26                         |  |  |  |  |  |
| RI74312939925VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  | NJ   | 9949        | 38448                       |                            |  |  |  |  |  |
| VT65002588325IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   | OR   |             | 29075                       | 25                         |  |  |  |  |  |
| IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  | RI   | 7431        | 29399                       | 25                         |  |  |  |  |  |
| IL81833412524WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  | VT   | 6500        | 25883                       | 25                         |  |  |  |  |  |
| WA79893338124WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   |  |             | 34125                       |                            |  |  |  |  |  |
| WY60012460924CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  |  |             |                             |                            |  |  |  |  |  |
| CA78693469023MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121   |  |             |                             | 24                         |  |  |  |  |  |
| MI75563376722NH65253032222CT84804006421ME53652538521NY83793975121  |  |             |                             |                            |  |  |  |  |  |
| NH65253032222CT84804006421ME53652538521NY83793975121   |  |             |                             |                            |  |  |  |  |  |
| CT84804006421ME53652538521NY83793975121  |  |             |                             |                            |  |  |  |  |  |
| ME 5365 25385 21<br>NY 8379 39751 21   |  |             |                             |                            |  |  |  |  |  |
| NY 8379 39751 21   |  |             |                             |                            |  |  |  |  |  |
| National average 8627 29319 30   |  |             |                             |                            |  |  |  |  |  |
|  |  |             |                             |                            |  |  |  |  |  |

| Table 4A  |
|---|
| Comparison of successful competitive labor market closure |
| earnings with average state earnings for 1998             |

National average862729319301. Data source Bureau of Economic Analysis, 2. Table is sorted by this column.

| <u>10tul 5</u> | <u>otal successful supported employment closures and % of s</u><br>Total successful supported employment closures |      |        |        | % of successful closures using supported employment |      |      |      |
|----------------|---|------|--------|--------|---|------|------|------|
|                | 1991  | 1993 | 1995   | 1998   | 1991  | 1993 | 1995 | 1998 |
| State          |   |      |        |        |   |      |      |      |
| AK             | 23  | 29   | 29     | 63     | 26%   | 45%  | 37%  | 100% |
| AL             |   | 117  | 150    | 166    | 0   | 7    | 8    | 9    |
| AR             | 84  | 72   | 95     | 30     | 21  | 26   | 28   | 11   |
| AZ             | 111   | 90   | 213    | 107    | 33  | 32   | 61   | 40   |
| CA             | 1609  | 1333 | 1761   | 1896   | 64  | 66   | 73   | 77   |
| CO             | 4   | 81   | 101    | 84     | 1   | 22   | 28   | 22   |
| CT             | 82  | 56   | 82     | 40     | 23  | 24   | 29   | 14   |
| DC             | 8   | 1    | 7      | 2      | 10  | 1    | 9    | 3    |
| DE             | 13  | 25   | 37     | 38     | 11  | 17   | 27   | 26   |
| FL             | 263   | 235  | 360    | 400    | 31  | 29   | 43   | 46   |
| GA             | 161   | 174  | 288    | 223    | 11  | 15   | 27   | 24   |
| HI             |   | 17   | 14     | 20     | 0   | 16   | 18   | 19   |
| IA             | 114   | 123  | 287    | 367    | 19  | 23   | 43   | 52   |
| ID             | 64  | 86   | 119    | 143    | 33  | 45   | 48   | 53   |
| IL             | 183   | 122  | 182    | 200    | 12  | 10   | 14   | 14   |
| IN             |   | 353  | 560    | 550    | 0   | 33   | 50   | 59   |
| KS             | 77  | 169  | 204    | 139    | 37  | 53   | 52   | 34   |
| KY             |   | 110  | 209    | 200    | 0   | 26   | 35   | 31   |
| LA             | 118   | 137  | 211    | 391    | 24  | 30   | 38   | 52   |
| MA             | 7   | 6    | 15     | 27     | 1   | 1    | 3    | 5    |
| MD             | 250   | 209  | 336    | 347    | 49  | 51   | 62   | 64   |
| ME             | 28  | 33   | 33     | 29     | 30  | 28   | 28   | 20   |
| MI             | 240   | 364  | 349    | 324    | 24  | 34   | 27   | 25   |
| MN             | 290   | 323  | 362    | 311    | 37  | 50   | 53   | 49   |
| MO             | 170   | 198  | 416    | 335    | 12  | 17   | 30   | 24   |
| MS             | 53  | 75   | 54     | 97     | 13  | 16   | 14   | 31   |
| MT             | 55  | 46   | 44     | 40     | 44  | 43   | 57   | 40   |
| NC             | 159   | 198  | 281    | 476    | 12  | 15   | 30   | 34   |
| ND             | 31  | 39   | 47     | 31     | 35  | 48   | 49   | 34   |
| NE             | 38  | 43   | 75     | 169    | 19  | 25   | 36   | 54   |
| NH             | 28  | 35   | 41     | 72     | 16  | 21   | 24   | 41   |
| NJ             | 33  | 66   | 103    | 158    | 9   | 14   | 20   | 30   |
| NM             | 11  | 51   | 54     | 33     | 9   | 33   | 36   | 24   |
| NV             |   | 19   | 80     | 101    | 0   | 37   | 73   | 72   |
| NY             | 540   | 906  | 1369   | 1397   | 18  | 27   | 38   | 48   |
| OH             | 196   | 145  | 297    | 384    | 21  | 18   | 26   | 28   |
| OK             | 27  | 122  | 139    | 153    | 7   | 27   | 28   | 36   |
| OR             | 132   | 111  | 82     | 87     | 42  | 33   | 27   | 22   |
| PA             | 74  | 74   | 146    | 605    | 7   | 8    | 12   | 45   |
| RI             | 34  | 13   | 52     | 75     | 40  | 27   | 58   | 63   |
| SC             |   | 4    | 27     | 104    | 0   | 0    | 4    | 18   |
| SD             | 54  | 49   | 84     | 78     | 39  | 35   | 53   | 40   |
| TN             | 141   | 172  | 219    | 221    | 24  | 25   | 22   | 22   |
| ΤX             | 219   | 296  | 387    | 485    | 14  | 23   | 29   | 43   |
| UT             | 77  | 70   | 93     | 108    | 23  | 23   | 32   | 34   |
| VA             | 186   | 260  | 224    | 380    | 24  | 32   | 31   | 41   |
| VT             | 67  | 60   | 79     | 119    | 68  | 66   | 68   | 77   |
| WA             | 108   | 200  | 26     | 48     | 26  | 41   | 4    | 8    |
| WI             | 193   | 209  | 274    | 294    | 32  | 35   | 44   | 47   |
| WV             |   | 39   | 90     | 68     | 0   | 15   | 33   | 28   |
| WY             | 41  | 37   | 48     | 31     | 63  | 65   | 72   | 79   |
| Total          | 6396  | 7802 | 10,835 | 12,246 | 22  | 29   | 35   | 38   |

 Table 5A

 Total successful supported employment closures and % of successful closures using supported employment

## www.childrenshospital.org/ici

Institute for Community Inclusion 300 Longwood Avenue Boston, Massachusetts 02115

