The Quest for Ordinary Lives: The Integrated Post-School Vocational Functioning of 50 Workers With Significant Disabilities

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An extensive report is made of the work histories of 50 adults with significant disabilities who are served by Community Work Services, Inc., in Madison, Wisconsin. The primary purpose is to share information about the integrated vocational functioning of these adults, 90% of whom exited high school 15–24 years ago. A second purpose is to celebrate the inspiring achievements of a remarkable group of workers, their family members and the professionals who served them. A third is to affirm the validity and feasibility of integrated vocational functioning. Hopefully, by documenting what was and is operational, opportunities for and improvements in integrated services can be generated and more ordinary lives can be realized.

DESCRIPTORS: adults, intellectual disabilities, supported employment, transition, vocational services, community

Some who survive the birth process this year will be more disabled than any who did so before. More individuals with disabilities who enter and exit schools now are outliving their parents. As they age, many are presenting more longitudinal, complicated, and expensive difficulties than their chronological age peers (Bittles & Glasson, 2004). When George W. Bush became president, he asked an advisory group to address the status of special education. After over 1 year of comprehensive study, his President's Commission on Excellence in Special Education (PCESE, 2002) reported that approximately 70% of all persons with disabilities in the United

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States between the ages of 18 and 64 were unemployed or grossly underemployed. Subsequently, his Committee for People with Intellectual Disabilities reported that 90% of the approximately nine million adults in the USA so labeled were unemployed (PCID, 2004). A task force established by the governor of Florida reported that approximately 85% of all adult Floridians considered to have developmental disabilities and/or cerebral palsy were unemployed (Salamone & Garcia, 2004).

Some adults with significant disabilities have productively functioned in integrated work settings for centuries and each year increasing numbers do so in more communities around the world. Nevertheless, the post-school outcomes realized by the vast majority are tragically unacceptable and wasteful of hopes, dreams, lives, and increasingly scarce tax dollars. Far too many exit school and are unnecessarily confined to segregated enclaves, workshops, and activity centers or stay at home all day with family members and/or others who are paid to be with them (Blackorby & Wagner, 1996; Brown, Farrington, Suomi, Zeigler, & Knight, 1999; Certo, Pumpian, Fisher, Storey, & Smalley, 1997; Certo et al., 2002; Horvath, Rose, & Stapleton, 2003; Hunt, 2004; Luecking & Certo, 2003; Murphy & Rogan, 1995; Wehman & Kregel, 1998). We can and must do something to change this most unfortunate state of affairs.

In the 1970s, segregated special education schools and classes were the predominant, if not the only, service delivery options offered students with significant disabilities. In addition, the standard curriculum offering was "school-only" instruction; students rarely left the school to engage in learning opportunities in community settings. A few came to realize that when instruction was confined to the physical property of schools, too many important and learnable skills could not be acquired; the performance criteria used were inappropriate, counterproductive, or even harmful if manifested in nonschool settings; even the best teachers and therapists ran out of good ideas quickly; and it was difficult to stay excited

about teaching when the known post-school outcomes were segregation and nonproductivity.

Also in the 1970s, a small group of Madison Metropolitan School District (MMSD) teachers and administrators, parents, and University of Wisconsin students and faculty members dreamed of post-school lives that were richer, more varied, safer, interesting, challenging, respected, and otherwise more ordinary than those segregated contemporaries were experiencing. Tangibly, more ordinary meant increasing: the number of environments in which the students would participate in postschool life; the quantity and complexity of respected skills they were given opportunities to learn and perform over long periods; the number of persons with and without disabilities with whom they could interact and develop social relationships; and the choices they could make about where they went, what they did, and with whom they were with. They arranged for a few individuals labeled "trainable level retarded" and "severely emotionally disturbed" to receive authentic vocational assessment and authentic vocational instruction during school days and times (Brown, 2005a, 2005b). Authentic vocational assessment refers to arranging for an individual with disabilities to participate in real work and related settings and activities and then determining meaningful discrepancies between the expressed repertoire and the actual requirements of minimally acceptable participation. Authentic vocational instruction refers to teaching that is actually needed to meet the minimally acceptable performance standards of an employer.

In those days, authentic assessment and instructional techniques were considered by most as radical, extreme, dangerous, impractical, too costly, developmentally absurd, and generative of false hopes. Few MMSD teachers agreed to use them and few parents allowed their children to experience them. However, once some students demonstrated they could learn to participate safely and efficiently in integrated nonschool settings, teachers quickly realized they did not have enough time to teach the wonderful array of other important skills that could be acquired. They remembered how frustrating and depressing it was when instruction was confined to school grounds. That is, they realized it was better to run out of the time needed to teach important skills in many places than to be unable to think of important skills to teach in the time you had in the limited number of places in which you participated.

Unfortunately, the post-school options available to those who received authentic assessment and instruction were segregated workshops, activity centers, and staying at home. One local agency provided supportive services in integrated vocational settings. Dane County officials directed monies to this agency to serve the 1981 MMSD graduates with significant disabilities who were functioning in integrated work settings when they exited school. They reasoned that it would be counterproductive and ideologically questionable to confine those

graduates to segregated settings after school personnel prepared them for the real world of work and because their parents/guardians clearly preferred the integrated option. The agency hired a job coach who provided support to these graduates, decided to serve only a small quota of persons with significant disabilities, and shortly thereafter went out of business.

Those who continued to support segregation manifested vehement opposition to this departure from traditional funding practices. They predicted the workers would lose the integrated jobs they had when they exited school and would not be able to get others. They told parents their children would be unsafe, abused, isolated, lonely, and ridiculed in integrated settings. It was clearly communicated that if a segregated placement was rejected at school exit and parents applied for one at a later date, their children would be put on waiting lists without guarantees they would ever be accepted. They also told parents, "We are offering you a placement for life. Take it or leave it." In short, segregationists were quite comfortable confining large numbers of persons with disabilities to one environment, allowing them to engage in an extremely limited range of tasks, arranging for them to interact only with others with disabilities and individuals who were paid to supervise them and disallowing few, if any, choices about important parts of their lives.

Community Work Services

From its inception, Community Work Services received county administered tax dollars to serve adults with significant disabilities in integrated settings who (a) were exiting the MMSD and employed in integrated work environments, (b) were exiting non-MMSD schools in Dane County and sought an integrated option, (c) wished to leave or were terminated from segregated workshops and activity centers because of challenging behaviors, or (d) moved to Dane County from large public and private institutions.

In August 2005, the endpoint of the data used for this report, Community Work Services served 70 workers, employed two co-directors (one at 100% FTE and the other at 60% FTE), an office manager (37.5% FTE), and the equivalent of 14 full-time job coaches. In 1989, Community Work Services decided to limit the number of workers served for two quality assurance reasons. First, agency leaders believed that it was extremely important to remain small enough to allow the co-directors to provide direct support services. This would afford individualized knowledge of all workers, their families, coworkers, and employers. It would also allow for the provision of meaningful training and support to both workers and job coaches. Second, the agency was committed to affording all workers individualized horizontal and vertical enhancement opportunities throughout their careers Horizontal enhancement refers to increasing the number of skills in a particular difficulty range

a worker learns and performs. Vertical enhancement refers to increasing the complexity of the skills a worker learns and performs. Consequently, whereas the agency added 43 school graduates between 1984 and 1988, it accepted only seven school graduates between 1989 and 2005. The decision to limit capacity induced the development of similar services by other agencies. In 2005, 14 agencies in Dane County served over 700 workers with disabilities who required long-term support in integrated work and related settings.

Sources of Information and Table 1

After reviewing the records of the adults served by Community Work Services, it was decided that the 50 workers who exited high school from MMSD (47 workers) and other school districts in Dane County (3 workers) would be the focus of this report. The primary source of information was the records kept by Community Work Services. Supplementary information was secured by contacting the parents/guardians of the workers, job coaches, employers, coworkers without disabilities, government officials, school records, and residential service personnel. Confidentiality procedures were approved by the workers (or when appropriate, by their parents/guardians), as well as the co-directors and board of directors of Community Work Services. Specifically, it was agreed that the workers' names would not be used. A numbering system was developed based on the year in which the worker exited school and data were tracked through this system. It should be noted that many of the MMSD graduates have been involved in other post-school follow-up analyses (Brown et al., 1986, 1987; Piuma, 1989; Vandeventer et al., 1981).

Table 1 contains the work histories of the 50 students with significant disabilities who exited school from 1981 to 2005. The relevant experiences of one worker could easily fill a large book. When selecting the descriptive data to include in Table 1, an attempt was made to reach a balance between too little and too much. In the end, two central questions guided the decisions regarding which data to include the following:

- What are the work histories of these 50 workers, most of whom are now in their late 30s and 40s?
- What do these work histories suggest about what is important for schooling, for adult service agencies, for policy makers, and for parents/students to consider?

Answering these questions requires the sharing of a fair amount of descriptive data; hence, the length of Table 1 is considerable. In addition, summary statements, based on an analysis of Table 1, are made throughout the narrative.

Table 1 contains basic background information about the workers, including the year graduated, age, gender, disability labels, and residence. Work histories are presented for each worker beginning with a list of work

environments (arranged chronologically beginning with the 2005 environments and progressing back to the employment setting at school exit). Basic information is provided for each work environment including, (a) years and months in job, (b) work tasks, (c) hours/week (employed in a particular job), (d) hourly wage, (e) professional support, and (f) reasons for job changes.

The 50 Workers

In 2005, the 50 workers ranged from age from 23 to 45 years. Their average age was 39.4. All but four were 35 or older and had been out of school for at least 15 years. Twenty-eight of the workers were male, 22 were female. Forty-five were White, three were African American, one was Latino, and one was Asian American. The workers of concern are individuals who were considered to have significant disabilities; that is, individuals whose intellectual and adaptive behaviors represented approximately 1% of a naturally distributed general population. All experienced communication, cognitive, social, physical, behavioral, sensorimotor, and/or other challenges in kinds and degrees most would consider severely disabling. All needed substantial long-term assistance in all activities of daily living. All but one had been ascribed standardized, adapted, and/or estimated intelligence test scores of approximately 50 or below. Table 1 uses the disability label of "cognitive disabilities" (CD), a term adopted in the state of Wisconsin. Forty workers were characterized with "moderate" cognitive disabilities; nine with "severe" cognitive disabilities; and one with "mild" cognitive disabilities.

Additional disability information is presented in Table 1. This table reveals a variety of disabilities, including Down syndrome (21), cerebral palsy (7), autism (4), and Cornelia DeLange syndrome (1). Five workers had hearing impairments and three had visual impairments. Fourteen manifested seizure disorders. Nine of the workers used wheelchairs or walkers. Twelve workers needed physical assistance when eating and/or drinking and 17 needed assistance when using restrooms. Fifteen workers were nonverbal. Three workers had Diabetes and two were diagnosed with Alzheimer's Disease.

All of the 50 workers were judged eligible for long-term vocational support by Dane County officials and all were eligible for Social Security Disability Insurance (SSDI) and/or Supplemental Security Income (SSI). One, although eligible, did not accept SSDI or SSI because of parent preferences. All the others received medical assistance. Only one received employer provided medical benefits.

Forty-three of the 50 workers were served by Community Work Services upon exiting school and continued to receive services through this agency from the time they exited until 2005. Seven workers were supported by other agencies upon leaving school but had been with Community Work Services for at least 10 years by August 2005.

Table 1 Post-school Work Histories of 50 Individuals With Significant Disabilities (1981–2005)

			Workers				Work history				
Worker-year of school exit	Age	M/F	Disability labels	Residence	Work environment	Years and months in job	Work tasks	Hours/ week	Hourly wage (\$)	Professional support	Reasons for job changes
#1~198]	45	Σ	Moderate CD, seizure disorder	Apartment <i>-live-in</i> support	Rocky Rococo's Pizza Restaurant-South	27 years- 6 months	Filling condiments, chopping vegetables, setting up tables	15	6.95	1 check/ month	No change-present job
					Meriter Hospital Volunteer Services	9 years- 10 months	Delivering faxes	9	Volunteer	1 check/ month	No change-present job
					Ovens of Brittany Restaurant-Camelot Square	2 years—5 months	Assembling bakery boxes	9	4.85	1 check/ month	Business closed
					Madison Mutual Housing Office	4 years- 9 months	Vacuuming, emptying trash	9	5.50	1 check/ month	Worker wanted new job
#2-1982	44	Σ	Moderate CD	Apartment-live-in	Hampton Inn	2 months	Shampooing carpets,	7.5	7.00	1:2	No change~present
				in the state of th			vacuuming, ucaning windows, sweeping and picking up litter in parking lot				0
					Elk's Lodge	3 months	Sweeping, breaking down boxes, polishing banquet trays, wiping tables and chairs, setting up chairs and tables for bandurets	9	7.00	2.7	No change-present job
					Edgewood College	5 years- 0 month	Dust mopping, emptying waste baskets, folding towels, sweeping, wet	6	6.05	1.2	No change-present job
					Edgewater Hotel	14 years- 8 months	Vacuuming, picking up room service trays, dusting	12.5	5.70	1.2	Laid off-decline of business
					Pct World Warehouse	3 years– 2 months	Breaking down boxes, sweeping, dust mopping, wiping tables, emptying tables, emptying tables.	9	5.15	1:2	Moved to job where partner with disabilities was more communible
					City of Madison-Fire Station #1	9 years- 11 months	Dust mopping, emptying waste baskets, folding towels, sweeping, wet months	rn	Volunteer	1:2	Moved to job where partner with disabilities was more compatible
					Pizza Hut Restaurant- East Washington	1 year- 9 months	Washing dishes	12.5	2.75	1 check/ 30 min	Management not supportive
					÷	3 years- 0 month	Washing dishes, collating	5	Volunteer	1:2	Moved to paid employment
#3-1982	4	lt.	Moderate CD, A Down syndrome	Apartment-support lives nearby		l year— 11 months	Bussing tables, simple food prep	13.5	6.25	1 check per month	No change-present job
					Gumby's Pizza Restaurant	3 years- 0 month	Assembling pizza boxes, filling condiment containers, portioning food	Ģ	6.00	1 check per 3 hr	No change-present job

							Fit	ty Worl	cers						9
Fired-behavioral challenges	Laid off-job phased	Worker wanted new job	Laid off-job phased out	Fired-behavioral	Fired-behavioral challenges	Worker wanted new job	No change-present job	No change-present job	No change-present	Jou No change-present ioh	Business moved- commute too far	Moved to more complex job	Moved to more complex job Moved to paid	employment No change~present job	No changc–present job
2 checks per week	1 check per	1 check per 3 hr	1 check per 3 hr	2 checks per	1 check per 3 hr	3 checks per week	I check per weck	2 checks per week	1 check per	1 check per 2 hr	1 check per 1 hr	1 check per 1.5 hr	1 check per 1.5 hr 1 check per	3 nr 1 check per month	4 checks per week
5.15	4.25	4.25	3.71	4.25	3.90	3.45	5.70	7.35	Volunteer	Volunteer	7.00	4.25	4.25 Volunteer	6.00	5.70
17.5	9	6	15	12	15	15	7.5	15	1.5	7	7.5	15	15	12.5	12.5
Collating, stapling. assembling packets, labeling, alphabetizing forms, entering data into computer	Cutting advertisements	匠	Filing	Washing dishes	Filing	Washing dishes	Stuffing envelopes, opening and date stamping mail, shredding confidential papers, cleaning coffee bots	Filing checks in numerical order, opening and date stamping mail	Shredding confidential	Stamping books	Filing by number, assembling informational packets, shredding confidential papers, cleaning tables in break room nicking in mail	Sorting forms by type, date stamping forms, counting forms, shredding confidential papers	Collating Counting out pills	Washing and putting away lab glassware, wiping down counter areas	Sorting checks, postage metering mail, shredding confidential papers, stuffing envelopes, labeling, folding letters
7 years— 2 months	2 years-	2 years-7 months	l year-0 month	2 months	3 years- 7 months	3 years- 2 months	0 years- 6 months	10 years- 2 months	2 years- 0 month	7 1	18 years— 3 months	2 years- 8 months	6 years— 1 month 5 years— 6 months	23 years- 7 months	9 years– 10 months
State of WJ- Department of Corrections Office	Boelter & Lincoln Advertising	State of WJ- Department of Transportation Office	State of WI- Department of Revenue Office	Monty's Blue Plate Diner	WI Manufacturers & Commerce Association	Oven's of Brittany Restaurant– Shorewood	National Conference of Bar Examiners Office	J. H. Findorff & Sons- Construction Co.	WORT-Radio Station	Madison Public Library-Central	Heartland Credit Union	State of WI– Department of Justice Office	National Guardian Life Insurance Co. VA Hospital-Pharmacy	University of WI- McArdle Cancer Research Laboratory	First Business Bank
							Apartment <i>-live-in</i> su <i>ppor</i> t							Apartment-support lives nearby	
							Moderate CD, Down syndrome, hearing impairment							Moderate CD, Down syndrome	
							Σ							ĹĬ.,	
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						COO1- P#	#4-1703							#5-1983	

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THE THE PERSON NAMED OF TH	Reasons for job	Move cor sho	CWS Moved to Milwaukee-1995	Business moved off bus line Worker wanted new	job No change-present job	No change–present	job No change-present Job Worker wanted a new job	Business moved off bus line No change-present job	Worker refused to
	Professional support	2 checks per month	3 checks per week	l check per 3 hr 1 check per	3 hr 1:6	per	2 hr 1 check per 1 2 hr 1 check per 1 1.25 hr	1 check per 1 2 hr 1.6 h	η:
	Hourly wage (\$)	4.25	5.25	3.65	4.24	5.70	5.70	3.80	3.68
,	Hours/ weck	12.5	30	15	15	∞	∞ ∞	16 22.5	9
Work history	Work tasks	Shredding confidential papers	Sweeping and mopping dining room, setting up condiment stations, washing dishes, bussing	tables Folding letters, stuffing envelopes Wiping kitchen counters,	proparing status, setting up trays with ice water, setting up butter dishes Collating, stuffing envelopes, destapling forms to be microfilmed, counting pens for election boxes, sorting election boxes, sorting	tours by polung site, checking property tax payment envelopes for missed checks, puling locator tabs off voter registration books. Scanning documents, leading	noveming Mailing requested birth certificates Photocopying	Folding letters, stuffing envelopes Labeling, stemping forms, folding letters, assembling packets, stuffing envelopes	Cutling mug shots, opening
Continued	Years and months in job	6 years– 2 months	5 years- 5 months	7 years— 4 months 6 years— 7 months	21 years- 5 months	9 years—	th aths	7 years— F 10 months 3 years— L 0 month	11 years- C
	Work	University of WI-South Hall Office	Pasqual's Salsaria & Southwestern Deli-Monroe St.	WI Mutual Insurance Co. Crandall's Restaurant	Gity of Madison-City Clerk's Office	State of WI-Crime Information Bureau		6)	County of
	Residence and support		Moved 1995		Lives with parent	Lives with parent		Apartment <i>–live-in</i> Support	ŭ
Workers	Disability labels		Moderate CD, nonverbal		Moderate CD, seizure disorder	Ć.	syndrome	Moderate CD, A Down Syndrone, syndrone, wsual inpairment, physical disability-uses walker	
	M/F		江		ii.	نن		Z Z	
	Age		42		42	42		42 N	
	Worker-year of school exit	Š	#6-1984		#7-1984	#8-1984		#9-1984 4	

No change-present job	Worker refused to come to work	Moved to paid	No change-present job	No change-present job	No change-present job	Moved to more	complex job - Laid off-decline in business	Worker wanted new		 Laid off-job phased out 	Ĭ	No change-present job	Moved to paid employment	No change—present job
ď Z	1.5	1 check per	4.1	1:4	1 check per month	2 checks per	month 2 checks per month	2 checks per	month	2 checks per month	2 checks per	1.2	1:2	1:6
NA	3.68	Volunteer	3.30	4.11	7.75	4.00	3.35	3.35	1	3.35	Volunteer	5.70	Volunteer	4.04
NA	15	4	4	4	20	20	20	20	,	n	15	20	20	2.15
	Assembling dental packets, stamping forms, alphabetizing forms by 1st letter	Cleaning exercise mats	Stamping forms, shredding confidential papers	Shredding confidential papers	Photocopying, stocking supplies, delivering mail and faxes, collecting and shredding confidential papers, labeling crime scone photos, preparing pipettes for DNA cvidence, sterilizing safety glasses, assembling case files, purenny files	Bussing tables	Bussing tables, simple food prep	Bussing tables	:	Checking out sports equipment	Packaging pharmaceutical	Collecting paper for recycling	Destapling files to be microfilmed	Collating, stuffing envelopes, destapling forms to be microfilmed, counting pens for election boxes, sorting forms by polling site, checking property tax payment envelopes for missed checks, pulling locator tabs off voter registration books
		5 years 1 month	21 years— 5 months	15 years– 3 months	13 years- 11 months	2 years-	6 months 1 year-0 month	l year-	11 months	3 years- 5 months	5 years—3 months	19 years- 1 month	1 year-1 month	21 years-5 months
Unemployed-worker refused to come to work	Gity of Madison–Public Health Office	YMCADowntown	City of Madison-City Clerk's Office	County of Dane-Juvenile Reception Center Office	State of WI-Crime Laboratory	Shakey's Pizza	Restaurant Rocky Rococo's Pizza Restaurant Gilman St.	Burger King	Restaurant-Lake St.	University of WINatatorium	VA Hospital-Pharmacy	County of Dane– Facilities Management	County of Dane-Social Services Office	City of Madison—City Clerk's Office
			Apartment-live-in support		Apartment-support lives nearby							Apartment-live-in support		Lives with parent of
			Severe CD, cerebral palsy, physical disability—uses wheelchair		Moderate CD, Down syndrome, seizure disorder							Severe CD, nonverbal, cerebral palsy		Moderate CD, cerebral palsy, physical disability—uses wheelchair, nonverbal
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			42		45							42		42
			#10-1984		#11-1984							#12-1984		#13-1984

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Worker-year of school exit	Age	M/F	Disability labels	Residence and support	Work	Years and months in job	Work tasks	Hours/ week	Hourly wage (\$)	Professional support	Reasons for job changes
					City of Madison– Assessor's Office	5 years— 3 months	Entering data into computer	٠,	4.04		No change-present job
					City of Madison-Public Health Office	7 years-8 months	Shredding confidential	5	3.49	1:4	Moved to more
#14-1984	41	Σ	Moderate CD, nonverbal	Apartment-live-in support	Hampton Inn	2 1	Shampooing carpets, vacuuming, cleaning windows, sweeping and picking up litter in marking low.	11.5	7.00	1 check per 2.5 hr	No change-present job
					Edgewood College	1 year- 4 months	Collecting paper, bottles and cans for recycling	S	5.75	1 check per	No change-present
					Steve's Wine Market	3 years- 2 months	Breaking down boxes, sweeping, mopping, shoveling snow, mowing lawn	9	5.70	1 check per month	No change-present job
					County of Dane- Facilities Management	2 years– 2 months	Shredding confidential papers	6	5.15	1:4	Moved to job with more variety
					Madison Area Tech College-Emergency Medical Services	l year- 11 months	Assembling packets, cleaning CPR mannequins	4	8.57	1 check per 2 hr	Moved to job that allowed more support from coworkers
					Mautz Paint Co.	2 years- 11 months	Sweeping, operating trash compactor, Jabeling bags	25	5.40	1 check per	Business closed
					Avenue Bar & Restaurant	13 years- 1 month	Washing dishes, breaking down boxes, stocking soda non coolers	25	5.15	1 check per month	Worker wanted new job
#15-1985	41	Z	Moderate CD, cerebral palsy, physical disability-uses wheelchair, seizure disorder	Apartment-live-in support	State of WI– Department of Corrections Office	3 years- 11 months	Stuffing and stamping envelopes, making interoffice deliveries, operating letter folding machine	1.5	5.70	1:5	No change-present job
					State of WI— Department of Regulation & Licensine Office	5 months	Shredding confidential papers	6	3.18	1 check per 45 min	Left for health reasons
						15 years— 7 months	Delivering mail, shredding confidential papers, playing with children in davore center	9	5.15	l check per 45 min	Increased hours at other job
#16-1985	41	Σ	Moderate CD, Down syndrome, Prader Willi syndrome	Apartment-support lives nearby	City of Madison-Public Health Office	4 years- 6 months	Labeling stamping forms, assembling packets	9	5.70	1:6	No change-present job

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No changepresent job	No change-present	Fired-behavioral	Moved to job that allowed more supervision from coworkers	Moved to more complex job	Increased hours at	Moved to job with more variety	No change-present job	No change-present job	Increased hours at	paid Joo Moved to job with more opportunities for social	Moved to paid employment	No change–present job	Worker quit
1:5	I check per	1 check per	1 check per 1 hr	l check per l hr	1 check per	1 check per 1.5 hr	<u></u>	1:4	1.2	1:2	1:2	l check per l hr	1 check per 1.5 hr
5.70	5.70	5.40	4.25	3.38	Volunteer	4.00	5.70	4.16	Volunteer	Volunteer	Volunteer	6.00	5.50
S.S	6	12	10	07	5	15	16.5	ç	9	9	15	2/	9
Labeling, stamping envelopes, destapling files to be microfilmed, folding letters, stuffing envelopes, stapling, alphabetizing forms by ist letter.	Folding laundry	Collating, folding letters,	Sorting forms by type, stuffing envelopes, laboling, 3 hole punching, oldlating, countries FE1 forms	Stuffing envelopes, labeling, 3 hole punching, collating	Stamping books	Washing dishes	Collecting paper for recycling, destapling documents for shredding, stuffing envelopes, collating	Shredding confidential papers	Stuffing bulletins, restocking	Packaging empty blood donor bags, labeling blood donor bags	Stamping books, sensor stripping books	Facing shelves, cleaning glass doors	Putting circulation cards in books, shelving books in library
5 years— 9 months	18 years— 2 months	7 years-	8 months	l year- 3 months	3 years- 10 months	6 years- 6 months	15 years— 10 months	11 years– 4 months	8 months	7 years– 2 months	4 years- 6 months	7 years- 2 months	3 years- 0 month
State of WI- Department of Corrections Office	Best Western Inntowner Hotel	National Guardian Life Insurance Co	State of WI- Department of Justice Office	State of WI- Department of Transportation Office	University of WI Steenbock Library	Ovens of Brittany Restaurant— Shorewood	County of Danc- Human Services Office	County of Dane-Juvenile Reception Center Office	High Point Church	American Red Cross	Madison Area Tech College-Library/ Bookstore	Regent Market Grocery	Flad & Associates- Architects
							Apartment- <i>live-in</i> suppon					Apartment-support lives nearby	Annual section of the
							Severe CD, nonverbal, eerebral palsy, microcephaly, physical disability-uses walker					Moderate CD, Down syndrome, Alzheimer's, seizurc disorder	THE COURT OF THE C
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			Workers	:			Work history				
Worker-year of school exit	Agc	M/F	Disability labels	Residence and support	Work	Years and months in job	Work tasks	Hours/ week	Hourly wage (\$)	Professional support	Reasons for job changes
					State of WI-Vital Records Office	4 years- 3 months	Mailing requested birth certificates	10	5.15	1 check per	Worker quit
					Kinko's Copy Shop-University Avenue	3 years- 9 months	Washing glass doors, filling copy machines with paper, restocking copy	9	4.50	l check per I hr	Moved to job that better matched interests
					Kid's Play Day Care Center	2 years- 8 months	Playing with children, assisting children with dressing, setting up for snacks	٧.	Volunteer	1 check per 2.5 hr	Worker quit
					Cornucopia Grocery	3 months	Bagging and weighing bulk items	5	3.35	1 check per 2.5 hr	Laid off-decline in
					Greenleaf Grocery	3 years- 9 months	Bagging and weighing bulk items	5	1.68	1 check per	Business closed
	:				Brat & Brau Restaurant	9,	Setting tables, filling condiment containers, setting up salad bar	12.5	4.25	3 checks per week	Business closed
#19-1985	41	Σ	Moderate CD, Down syndrome	Lives with parent	Warner Community Center	3 years- 8 months	Vacuuming	9	Volunteer	2 checks per week	No change-present job
					Jung Garden Center	6 years– 4 months	Dust mopping, wet mopping, cleaning breaktroom, breaking down boxes, cleaning glass doors, picking up litter in parking lot	7.5	5.70	I check per 2.5 hr	No change-present job
					Gumby's Pizza Restaurant- Williamson St.	3 years— 0 month	Assembling pizza boxes	9	5.15	1 check per 1 hr	Store closed during daytime hours
					Mound's Pet Food Warehouse	1 year– 9 months	Dust mopping, breaking down boxes, bagging pet food	0	5.15	1 check per 1.5 hr	Store closed
					Old's Seed Co.	3 months	Packing seeds	ν.	4.25	1 check per	Laid off-position
					Rocky Rococo's Pizza Restaurant– Sherman Avenue	6 years- 10 months	Bussing tables, washing dishes, sweeping, mopping, vacuuming	15	4.75	1 check per 1.5 hr	Fired-behavioral challenges
					Edgewater Hotel	1 year- 2 months	Washing dishes	15	3.35	1 check per	Fired-behavioral
					Amy's Café	2 years- 0 month	Sweeping, mopping, vacuuming	15	3.35	<u>.</u>	Broke ankle-employer needed
					Fess Hotel	11 months	Cleaning vegetables	15	3.35	1 check per 1 hr	replacement Laid off-tasks were incorporated

No change-present Job	Reduced hours at fire station and started paid employment at Pet World	warenouse No change-present job	Moved to paid	No change-present job	No change-present	No change-present job	Transferred to Health Department due to Jack of	work space Fired-poor work	quality Moved to paid	Moved to job that better matched	Moved to job that better matched	No change–present job	No change-present	Moved to more sedentary job for health reasons
1.2	1:2	1.2	1:2	113	1:6	1:5	1.5	1 check per	1 m 113	13	1 check per 45 min	1 check per 3 hrs	1 check per	115
5.70	5.70	5.70	Volunteer	5.05	3.53	5.70	2.62	3.80	Volunteer	Volunteer	2.50	5.70	5.70	5.15
	w	9	10	7.5	6	Ŋ	0	6	6	6	12.5	15	6	12
Collecting paper for recycling	Dust mopping, emptying waste baskets, folding towels	Breaking down boxes, sweeping, dust mopping, wiping tables, emptying tables.	Destapling files to be microfilmed	Collating, stapling, stuffing envelopes, labeling, assembling informational packets	Shredding confidential papers	Opening mail, shredding confidential papers	Shredding confidential papers	Folding laundry	Cicaning vehicles, sweeping	Sensor stripping books, stamping books	Setting up tables, filling condiments, bussing tables	Collating, stapling, stuffing envelopes, labeling, assembling informational packets	Mailing requested birth certificates	Collecting paper for recycling
19 years- 1 month	8 years- 0 month	8 years 2 months		19 years- 2 months	7 years- 0 month	4 years— 5 months	7 years- 5 months	5 months	4 years- 2 months	1 year– 2 months	3 years—3 months	iths	7 years— 1 7 months	-
County of Dane- Facilities Management	City of Madison-Fire Station #1	Pet World Warehouse	County of Dane-Social Services Office	State of WI-Strategic Finance Office	City of Madison-Public Health Office	County of Dane-Sheriff's Department Office	County of Danc-Juvenile Reception Center Office	Best Western Inntowner Hotel	City of Madison-Fire Station #1	Tech rary	chi		6	County of Dane– Facilities Management
Apartment–live-in support				Apartment <i>-live-in</i> support								Apartment-support lives nearby		
Severe CD, hearing impairment, nonverbal, physical disability, Cornelia de.Lange syndrome				Moderate CD, Down syndrome								Moderate CD, Down syndromc		
Σ			:	Σ								i.		
4			Ş	9							;	1		
#20-1985			331 TOBS	C6V 1 -12#							3001 CC#	#44.70.3		

Residence Work Years and Hours/ and support environment months in job Work tasks week Sarah Fletcher & 11 months Vacuuming, dusting, 4
Work Years and environment months in job Sarah Fletcher & 11 months Architects Architects
ne-Law 10 years- Sh 5 months
Magic Penny Day 6 years- Playing with children, Care Center 4 months assisting children with dressing, setting up for
l year— icl 3 months
County of Dane 15 years— Human Services 10 months Office
8 months Stu
ss 7 years- Pa 2 months
Madison Area Tech 4 years- Packing books, unpacking College-Library/ 6 months supplies Bookstore
State of WI— 10 years— Labeling, stamping Department of 8 months envelopes, destapling Corrections Office 8 months envelopes, destapling files to be microfilmed, folding letters, stuffing envelopes, stapling, alphabetizing forms by
Apartment—live-in State of WI-Strategic 19 years— Collating, stapling, stuffing support Finance Office 2 months envelopes, labeling, assembling informational
19 years- Co
City of Madison— 5 years— Destapling documents for Common 7 months shredding

					THEY W	orker	S				
No change-present job	No change-present job	No change-present job	No change-present job	No change-present job	No change-present job	Moved to paid	Changes in required work hours not compatible with worker's	schedule No change-present job	No change-present job	Moved to paid employment and work that better	matched abilities No change-present job
4:1	1 check per month	1.5	4.	1:5	1 check per 3 hr	1:2	1:2	27	1:2	133	1.2
5.70	6.00	5.70	5.70	6.61	5.70	Volunteer	5.95	4.4]	5.70	Volunteer	6.20
4	15	50	6	ν	9	S	8	0	0	6	0
Entering data into computer	Delivering medications and mail	Collecting paper for recycling	Collating, stuffing envelopes, labeling, folding letters, stamping forms and envelopes	Collecting paper for recycling	Sctting tables, breaking down boxes, assembling pizza boxes, polishing brass, washing dishes	Setting up chairs, cleaning chalk boards	Shrink wrapping merchandise, sweeping, cleaning restrooms, breaking down boxes	Stuffing envelopes, collating, shredding confidential papers, collecting mail, operating letter folding main, better folding main, mechanic	Collecting paper for recycling	Cleaning vehicles	Sweeping, emptying waste baskets, vacuuming, mopping
11 years— 11 months	19 years- 10 months	7 years- 11 months	9 years- 3 months	12 years- 7 months	9 years- 7 months	1 year- 7 months	4 years- 3 months	19 years- 4 months	18 years- 5 months	10 months	8 years- 5 months
City of Madison– Assessor's Office	State of WI-Central Center Pharmacy & Mailroom	County of Dane– Facilities Management	State of WL-Insurance Commissioner's Office	City of Madison– Planning & Development	Pizzaria Uno Chicago Bar & Grill-State S.	American Red Cross	Toys R Us	State of WI-Strategic Finance Office	County of Dane- Facilities Management	City of Madison–Fire Station #1	Badger Cab Co.
Apartment-live-in support		Apartment- <i>live-in</i> support						Apariment-live-in support			Adult family home
Mild CD, corobral palsy, physical disability-uses wheelchair, seizure disorder, hearing impairment		Moderate CD, hearing inpairment, seizure disorder, nonverbal						Severe CD, Down syndrome, nonverbal			Moderate CD, autism, nonverbal, seizure disorder
×		Σ						Σ			Z Z
40	:	04						40			04 N
#26-1986) (c)	#2/1986						#28-1986 [19]			4.23~1.380

			Workers		ALL PARTY AND THE PROPERTY AND THE PARTY AND	Parameter Springer State	Work history				The special strategies of the
Worker-wear of		No.		- A				-			
school exit	Age	M/F	Disability labels	and support	Work environment	Years and months in job	Work tasks	Hours/ week	Hourly wage (\$)	Professional support	Reasons for job changes
					City of Madison-Police Department Office		Destapling files, shredding confidential papers	2	4.04	1:5	No change-present
					State of WI-Asbestos & Lead Certification	15	Shredding confidential	9	3.89	1:6	No change-present
					Unit Office		papers, totuming terrers, stuffing envelopes				gof
					City of Madison-Fire	11 years-	Sweeping, cleaning vehicles,	6	Volunteer	1:2	Increased hours at
					Madison Area Tech	3 vears=	dust mopping, dusting	Ų	1/01	ç	paid job
, and - 475	:				College–Duplicating Center & Food Service	l month	Conduits, bussing tables	CT	Volunteer	23	Moved to job that better matched interests
#3(-1.986	9	Z	Moderate CD, Down syndrome	Apartment–live-in support	Elk's Lodge	3 months	Sweeping, breaking down boxes, polishing banquet trays, wiping tables and chairs, setting up chairs and tables for bancairs	9	7.00	1:2	No change-present job
						5 years— 3 months	Destapling files to be microfilmed	7.5	5.70	1:4	No change-present
					State of WL-Insurance Commissioner's Office	9 years– 2 months	Folding letters, stuffing envelopes, labeling, alphabetizing by 1st letter	6	5.70	4.	No change-present job
					Edgewater Hotel	8 years- 6 months	Vacuuming, picking up room service trays, dusting	S	5.70	1:2	Laid off-decline in business
						5 years— 8 months	Washing dishes	12.5	4.50	1 check per 45 min	Moved for health reasons
					Pizza Hut Restaurant- East Washington	l year- 9 months	Washing dishes	12.5	2.75	1 check per	Management not
					C1		Dust mopping, emptying waste baskets, folding towels, sweeping, wet mooning	6	Volunteer		Moved to paid employment
					McKee's Restaurant	1 year- 9 months	hes, vacuuming	12.5	3.35	1 check per	Business closed
#31-1-080	04	il.	Moderate CD, L hearing impairment, Down syndrome	Lives with parent	State of WI- Department of Corrections Office		Labeling, stamping envelopes, assembling packets, alphabetizing by 1st letter, stuffing envelopes, folding letters, datapling forms to be mirrofilmed.	10.5	5.70		No change–present job
					County of Dane-Sheriff's Department Office	15 years- 10 months	Date stamping mail, Separating computer print outs of criminal histories by name, destapling files	ν,	5.70	51	No changc-present job

						rmy worke	ers						
Moved to paid employment	woved to paid employment Fired-behavioral	challenges Died 2003	Left for heath reasons	Laid off–job phased out	No change-present job	No change-present job	Increased hours at	paid job Fired-behavioral challenges	No change-present job	No change-present job	No change-present job	Moved to paid	employment Thansferred to District Attorney's Office due to lack of work space
1.2	174	1 check per 3 hr	1.4	I check per 1.5 hr	1:2	2:	1:2	1:2	1.4	1:6	1.4	1 check per	1.5
Volunteer	2.50	5.15	2.50	4.25	6.20	5.70	Volunteer	Volunteer	5.70	5.70	5.70	Volunteer	5.15
o 1.) 5	6	9	6	6	07	6	6	S	6	9	9	15
Labeling, stuffing envelopes, collating, alphabetizing by 1st letter Destabling files to be	microfilmed Folding laundry	Collating, putting envelope flaps up in boxes, labeling	Destapling files to be microfilmed	Folding letters, stuffing envelopes, assembling informational packets, shredding confidential	papers Sweeping, emptying waste baskets, vacuuming,	Stuffing envelopes, folding letters, labeling, collating, shredding confidential papers, delivers and papers,	Sweeping, cleaning vehicles,	dast triopping, dusting Collating	Shredding confidential papers	Shredding confidential papers	Shredding confidential papers	Folding newsletters, labeling	Destapling court documents to be microfilmed
2 years— 9 months 3 years—	3 months 2 years—	5 years-7 months		7 years— 10 months	8 years- 5 months	8 years- 4 months	2 years-	1 year– 6 months	5 years 7 months	11 years- 4 months	11 years- 4 months	6 years 10 months	l year– 9 months
Madison Area Tech College- Administrative Offices State Capital Law	Library Madison Club	National Guardian Life Insurance Co.	County of Danc- Sheriff's Department Office	University of WI Credit Union	Badger Cab Co.	State of WI-Division of Health Office	City of Madison-Fire	Madison Arca Tech College-Duplicating	State of WI-Financial Services Office	County of Dane- District Attorney's Office	County of Dane- Human Services Office	St. Mary's Hospital Health Works	Print
		Died 2003			Apartment- <i>live-in</i> support				Apartment-support lives nearby			•	
		Moderate CD, Down syndrome, physical disability-used walker, Alzheimer's			Moderate CD, autism				Moderate CD, visual impairment, seizure disorder				
		Died 2003 M			Σ				tr				
		Died 2			39				39				
		#32-1986			#33–1987				#341987				

Worker-year of school exit Age M #35-1987 39 N #36-1987 40 F		Workers				Work history			AND DESCRIPTION OF THE PERSON	and the state of t
39 40	M/F	Disability labels	Residence and support	Work	Years and months in job	Work tasks	Hours/ week	Hourly wage (\$)	Professional support	Reasons for job
40 40				Edgewood College	3 years- 3 months	Dusting, collecting paper, bottles and cans for	5	2.12	1:2	Moved to job that better matched
95 40 3				County of Dane-Court Commissioner's Office	3 years— 1 month	recycling Destapling court documents to be microfilmed	15	4.25	1.5	ability Office relocated workspace-no
95 04				Orvis' Deli	2 years- 2 months	Slicing and buttering buns, bussing tables, filling	15	1.34	l check per 30 min	longer available Business closed
40	Σ	Moderate CD	Apartment-live-in support	University of WI-Kohl Center, Arena	5 years- 0 month	salar containers Sorting and delivering mail	7.5	7.50	l check per month	No change-present job
40				University of WI-Kohl Center, Food & Beverage	2 years- 0 month	Simple food prep, washing dishes	20	7.50	1 check per month	No change-present job
04				Pasqual's Salsaria & Southwestern Deli-Montoe Street	7 years- 7 months	Washing dishes, bussing tables, stocking dining	20	5.50	1 check per 4 hr	Moved to job with better pay and
		Moderate CD	Apartment-support lives nearby		2 years- 0 month	stations Photocopying	ю	5.70	1 check per	more variety No change-present
				St. Jame's Church	l year-	Folding bulletins, labeling	3	Volunteer	30 min 1 check per	Job No change-present
				Dane County ARC	4 months 6 months	and stuffing envelopes Shredding confidential	т	5.70	hour 1 check per	job Laid off–not
				State of WI- Environmental Health Office	13 years- 3 months	papers Photocopying, stuffing envelopes, folding letter	12	5.15	45 min 1 check per 1 hr	enough work Fired-poor attendance
					l year- 6 months	Photocopying, labeling, folding letters, stuffing envelopes	6	Volunteer	1.2	Moved to paid employment
				I-Division th Office	16 years— 3 months	Photocopying, labeling, folding letters, stuffing	10	5.15	1:2	Fired-poor attendance
#37~1987 39 M		Moderate CD, A Down syndrome	Apartment-support lives nearby	State of WI-Division of Health Office	3 years— 2 months	envelopes Alphabetizing forms by 1st letter, stuffing envelopes,	9	5.70	1:6	No change-present job
				Pet World Warehouse	5 years— 1 3 months	Breaking down boxes, sweeping, dust mopping, wiping down tables,	9	5.70	1.2	No change-present job
					12 years- 5 months	emptying trash Collecting paper for recycling	7.5	5.70	1:5	No change-present job
				गांद	15 years- D 0 month	Dust mopping, emptying waste baskets, folding lowels, sweeping, wet mopping, washing vehicles	ы	5.70	1:2	No change-present job

Moved to job where more professional support was	Laid off-business slow	Office moved off bus line	Moved to job with more opportunities for social	meracuons Fired-behavioral	challenges No change-present	job No change-present	job No change-present	job History of Power	employment	Business closed	Laid off-decline in	business	Stopped attending work due to mental health	Fired-behavioral	challenges	Moved to job that better matched	merests Moved to paid	employment	No change-present job			No change-present job	
1 check per 1 hr	1.2	1 check per 1 hr	1 check per 30 min	I check per	30 min 1:2	grad y - grad	113	Ξ	Y-Y	H	Ξ		ग ्न	1.3		113	13		1 check per 2 hr			154	
5.15	5.15	3.62	4.25	2.04	5.70	5.70	Volunteer	Volunteer	VOIGINGE	5.15	5.15		4.25	4.25		3.80	Volunteer		5.70			5.70	
9	9	9	v 5	20	2.5	V٦	2	v	`	5	2.5		2	7.5		S	7.5		vo.			S	
Breaking down boxes, vacuuming mats, sweeping	Facing shelves, cleaning coolers, sweeping, breaking down boxes	Highlighting file folders, alphabetizing by 1st letter	Vacuuming, emptying trash	Setting up tables, bussing	tables, washing dishes Labeling bags and boxes	Shredding confidential	papers Packaging condoms	Tabeling and stuffing	church bulletins	Labeling and pricing salsa	Labeling bread bags,	bagging bread	Pricing merchandise with pricing gun	Labeling, stuffing	envelopes, folding letters	Shredding confidential papers	Stamping books, sensor	stripping books	Labeling, stamping envelopes, assembling packets, alphabetizing forms by 1st letter.	stuffing envelopes, folding letters, destapling forms to be microfilmed,	separating computer forms by county codes	Stamping and labeling forms, brochures and envelopes, stuffing envelopes, stredding	confidential papers
7 years 6 months	1 year- 7 months	11 years- 0 month	2 years 7 months	3 years-	I month I year-1 month	2 years-	9 months 4 years-	2 months 7 years	3 months	5 years—	9 years-	2 months	1 year-0 month	3 years-) months	2 years- 6 months	11 months		3 years— 10 months			6 years– 5 months	
Steve's Wine Market	Regent Market Grocery	State of WI– Department of Revenue Office	Community Work Services, Inc.	Rocky Rococo's Pizza	Restaurant-West Nature's Bakery	Cooperative Law Center for	Children & Families Planned Parenthood	First United Methodist	Church	Pasqual's Restaurant Production Facility	Great Harvest Bread	Company	Wisconsin Craft Mart	State of WI-	Corrections Office	City of Madison-Police Department Office	Madison Area Tech	ookstore	State of WI- Department of Corrections Office			County of Dane–Public Health Nursing Office	
					Adult family home														Lives with parent				
					Severe CD														Moderale CD				
					í,													£	L				
					39													36	e S				
					#381988													#30_1088					

department of the second of th			Workers			The state of the s			***************************************		
			relacts	An inchiscon and an inchiscon an inchiscon and an inchiscon and an inchiscon and an inchiscon an inchiscon and an inchiscon and an inchiscon and an inchiscon an inchiscon and an inchiscon and an inchiscon and an inchiscon an inchiscon an inchiscon and an inchiscon and an inchiscon and an inchiscon an inchiscon and an inchiscon and an inchiscon and an inchiscon an inchiscon and an inchiscon an inchiscon and an inchiscon and an inchiscon an inchiscon and an inchiscon and an inchiscon and			Work history				
Worker-year of school exit	Age	M/F	Disability labels	Residence and support	Work	Years and months in job	Work tasks	Hours/ week	Hourly wage (\$)	Professional support	Reasons for job changes
					County of Danc- Human Services Office	10 years- 1 month	Collecting paper for recycling and shredding, assembling informational packets	'n	5.70	1.4	No change-present job
					Ad World	1 year 4 months	Vacuuming, sorting and labeling photos, cutting out advertisements,	6	5.15	1 check per 1.5 hr	Laid off-not enough work
					Meriter Hospital Adult Services	4 years– 2 months	Delivering mail, distributing	112	Volunteer	1 check per	Moved to paid
					Methodist Day Care Center	2 months	Assisting teachers in day	5	Volunteer	1.5 hr 1 check per	employment Fired-behavioral
					State of Wl- Department of Justice Office	7 months	Sorting forms by type, stuffing envelopes, labeling, 3 hole punching, collating,	15	3.42	2.3 da 1 check per 30 min	Chanenges Fired-behavioral challenges
					Video Land	9 months	counting FBI forms Dusting, checking in and shelving returned	2	3.85	l check per l hr	Moved to job that better matched
#4// 16300	ŝ				Hardees Restaurant- Milwaukee St.	4 years 8 months	videotapes Making salads	15	3.05	1 check per 45 min	abilities Moved to job that better matched
#4U1988	8	M	Moderate CD, A seizure disorder	Adult family home	State Street Brats Rostaurant	15 years- 4 months	Sweeping, wet mopping, cleaning bathrooms, setting up tables, taking down chairs, stocking icc	20	00.9	1 check per month	abuttes No change-present job
					Home Savings Bank	8 years 10 months	Microfilming checks, stamping money wrappers, sorting forms by branch, stuffing envelopes, watering plants, breaking down boxes, collecting paper for recycling, distributing papticks, stroding papticks, strong papticks,	7.5	0.00	1 check per 2.5 hr	No change–present Job
						9 years— I 2 months 6 years— S 10 months	Conference papers Delivering magazines to waiting areas Stamping books	1.5	Volunteer Volunteer	1 check per month 1 check per month	No change-present job No change-present job
					Bay View Foundation First United Methodist Church	3 years- 1 3 months 2 years- E 0 month	Vacuuming, sweeping, wet mopping Entering Sunday school attendance data into computer	1.5	Volunteer Volunteer	1 check per 1.5 hr 1 check per 1.5 hr	Worker wanted different job Changes in job requirements were too difficult

						,	i kora							
Moved to paid employment Business closed	No change-present job	Laid off-not enough work Moved to job that	abilities No change-present job	No change-present job	Fired-behavioral challenges	Moved to jobs that better matched	abilities No change-present job	No change-present job	No change-present job	Business closed	Business moved off	Laid off-Hotel lost	airline contract Moved to job with more variety and	opportunities for social interactions
1 check per 2.5 hr 1 check per 1 hr	l check per 2.5 br	1 check per 1.25 hr 1 check per	1:6	I check per 1.25 hr	1 check per 1.25 hr	1 check per 45 min	2 checks per month	1 check per 2 hr	1 check per month	1 check per 2.5 hr	1 check per	1 check per	1 check per	
Volunteer 3.65	5.70	3.50	5.70	5.70	4.27	3.80	5.70	5.70	5.70	4.85	4.25	3.65	2.25	
7.5	25	25	12.5	12.5	12.5	25	15	9	6	15	12	15	6	
Sweeping, wet mopping Sweeping, wet mopping, cleaning bathrooms,	breaking down boxes Collecting paper for recycling, collating, stapling, shredding	Collating, labeling, stuffing envelopes Toasting hamburger buns, bussing tables	Shredding confidential papers	Stamping and labeling forms, brochures and envelopes, stuffing envelopes.	Shredding confidential papers	Toasting hamburger buns, setting up salad bar,	Washing dishes, stocking supplies, breaking down boxes, wiping shelves,	sweeping, wet inopping Folding letters, stuffing envelopes, sorting forms, shredding confidential	Collecting paper, bottles and cans for recycling,	Curptying waste baskets Washing dishes, sweeping, wet mopping	Washing dishes	Cleaning hotel rooms	Washing dishes	
5 years- 1 month 7 months	11 years– 5 months	7 months 5 years— 9 months	4 years- 0 month	12 years– 1 month	7 years- 11 months	5 years—8 months	10 years- 0 month	10 years 9 months	6 years- 0 month	2 years- 4 months	3 years- 0 month	2 years- 5 months	3 years— 10 months	A delication of the second of
City of Madison–Firc Station #4 Washington Host Restaurant	County of Dane-Job Center Office	WI School of Electronics Wendy's Restaurant– East Washington	Avenue State of WI-Strategic Finance Office	County of Dane-Adult Community Services Office	State of WI- Department of Regulation & Licensing Office	Wendy's Restaurant- Dempsey St.	Monty's Blue Plate Diner	State of WI- Department of Corrections Office	WKOW-TV Station	Ovens of Brittany Restaurant-Camelot Square	Pasqual's Restaurant Production Facility	Midway Motor Lodge	Trigg's Bakery	
	Adult family home		Apartment-support lives nearby				Lives with parent	<i>•</i>	>	0	ď	Z	tt.	TO CONTRACT OF THE PARTY OF THE
	Moderate CD, Down syndrome		Moderate CD, Down syndrome, seizure disorder				Moderate CD, seizure disorder							
	Σ		Σ				Σ							
	38		38				39							
	#41~1988		#42-1988				#43-1988							

Table 1 Continued

			Workers		And the second s		Work hictory	National Control of the Control of t			V
Worker-year of school exit	Age	M/F	Disability labels	Residence and support	Work	Years and months in job	Work techn	Hours/	Hourly	Professional	Rez
#44_1000	36	1		THE PART OF THE PA	The state of the s	and management	WOIN Idons	wcck	wage (b)	support	changes
	00	<u>.</u>	Moderate C.D., Down syndrome	Moved in 2002	State of W1- Department of Corrections Office	10 years— 5 months	Labeling, stamping envelopes, destabling files to be microfilmed, folding letters, stuffing envelopes, stapling, alphabetizing forms	25	5.15	7	Moved to Denmark-2002
					Rocky Rococo's Pizza Restaurant-Monona Drive	3 years— 6 months	by 1st letter Washing dishes, bussing tables	15	3.85	1 check per 1.5 hr	Moved to job with more variety and opportunities for social
#45-1990	36	Ĺ	Moderate CD, Down syndrome	Apartment-support lives nearby	State of WI-Human Resources Office	5 years- 9 months	Alphabetizing by 1st letter, labeling, stuffing envelopes, collating, separaling 3 ply timesheets, assembling	ō.	3.96	1.4	interactions No change-present Job
					Widnes Continue	Ş	informational packets				
					video Station	15 years- 6 months	Dusting shelves, shelving	9	3.20	1 check per	No change-present
					Hardee's Restaurant-	2 years-	Making salads	6	2.85	2 nr 1 check per	Job Moved to job that
					Chiversity Avenue	8 months				30 min	better matched
#46–1991	35	Σ	Moderate CD, 1	Lives with parent	UBS Financial Services	4 years-	Filing by name and account	6.5	6.50	1 check per	abilities No change-present
					Flad Affiliated Corp.	z montus 5 years–	number Filing of invoices	00	8 (16	month	job No change areas
						0 month	alphabetically, stocking supplies, stuffing payroll checks, shredding confidential papers			4 hr	qoj
					Flad & Associates- Architects	6 years— 11 months	Shekung library materials, filing interior design samples, closing out library inventory on	-	8.06	1 check per month	No change-present job
					WI Manufacturers & Commerce Association	14 years 5 months	computer Assembling training packets	6	7.75	1 check per month	No change-present job

							rnty	WOI	Kers				
Business moved out of state	No change-present job	No change-present job	No change-present	Job No change-present Job	No change-present	job No change-present job	No change-prescnt job	No change-present	Joo No change-present Job	Fired-work quality	No change-present job	No change–present job	No change-present job
1 check per month	Ξ	Ξ	1:1	1:1	1 check per	month 1.4	1.4	113	1.2	1 check per 45 min	1:5	1 check per 1 hr	1 check per 1 hr
5.15	9.57	5.70	10.00	6.00	6.14	5.70	5.15	Volunteer	5.70	5.75	5.70	5.70	7.42
15	7	∞	5	7.5	17.5	6	5	2.5	2.5	12.5	9/	10	9
Labeling diskettes, assembling software	Packets Shredding confidential Papers	Shredding confidential papers	Shredding confidential	Delivering mail, labeling, stuffing envelopes, shredding confidential	papers Folding laundry	Shredding confidential papers, collecting paper for shredding	Collecting paper for recycling, shredding confidential papers	Packaging condoms	Labeling bakery bags and boxes	Bussing tables	Filing invoices by date, type and institution number	Filing folders by name and number	Shelving books, security tagging books
2 years- 11 months	4 years– I month	4 years- 10 months	4 years- 10 months	9 years- 4 months	8 years-	11 months 5 years- 1 month	1 year- 10 months	1 year- 9 months	l year- l month	5 years— 1 month	2 years- . 1 month	2 years- 2 months	4 years- 11 months
Persoft Software Co.	State of WL-Bureau of Developmental Disabilities Office	County of Danc-District Attorney's Office	Movin' Out	State of WI-Council on Developmental Disabilities Office	Concourse Hotel-	Laundry State of WI-Insurance Commissioner's Office	County of Danc— Facilities Management	Planned Parenthood, Inc.	Nature's Bakery Cooperative	Noodles & Co. Restaurant–Mineral Point Rd	State of WI– Department of Corrections Office	State of WL-Bureau of Developmental Disabilities Office	Border's Books, Music & Café
	Apartment-five-in support				Lives with sibling	Apartment-live-in support					Lives with parent		
	Severe CD, nonverbal, visual impairment, physical disability-uses wheelchair				Moderate CD,	Moderate CD, nonverbal, seizurc disorder					Moderate CD, nonverbal		
	X				ĭ	Z.					E E		
	26				27	26					3		Acceptance of the second secon
	#47-2000				#48-2000	#49-2000				50x7C -135#	0007-007		

Residential Settings and Support

Two of the 50 workers moved away from Dane County, and two workers died prior to 2005. Of the 46 remaining. 10 lived with one or both parents, one lived with a sibling who was not disabled, and twenty lived in supported apartments with no more than one other person with disabilities and a paid person without disabilities. Eleven lived in supported apartments with one other person with disabilities; professionals who lived nearby came to them and provided assistance but did not live with them. Typically, support from professionals who lived nearby ranged from 2 to 8 hr/day; support was supplemented with electronic monitoring systems (e.g., exit alarms and motion detectors). Four lived in adult family homes (i.e., foster homes for adults). No worker lived in a setting with more than two unrelated persons with disabilities (i.e., in a group home).

A long-standing practice of segregated workshops and activity centers is to arrange for their clients to leave residences in the morning and return in the late afternoon. During these times, residential support agencies do not have to employ personnel and parents/guardians are released from direct care responsibilities. In most instances, agencies that support workers with significant disabilities in integrated vocational settings must arrange for approximately the same amounts of time out of residences. This, indeed, was the practice of Community Work Services in that most of the workers were gone for the day (8:00-3:30, for example). Table 1 and the following section provide detailed information about the hours occupied by work commitments. Following the Work Histories section, information is provided in the Recreation, Lunch, and Transportation section so that the reader can understand how these activities figured into the days of the workers.

Work Histories

Integrated Work Environments

An integrated work environment has three major characteristics. First, it is naturally proportioned. Assume approximately 1% of the general population has significant disabilities. If so, no more than approximately 1% of those who work in a general work environment can be so disabled. A hospital, which in this context is considered a general work environment, employs 500 persons. In order for it to be considered naturally proportioned, approximately five or 1% of the 500 can have significant disabilities. Even then, a superficial analysis might induce the judgment that because the hospital is naturally proportioned, the areas in which the five work are thereby acceptable. Further analysis may reveal, however, that the five workers are confined to a mobile maintenance crew or an enclave; are supervised 100% of the time by job coaches; have few, if any, opportunities for vertical or horizontal enhancement;

experience only segregated lunches and breaks; and are restricted to situations in which meaningful social interactions with coworkers and others who are not disabled are rare, if not impossible (Brown et al., 1991). Thus, although the hospital as a general work environment may be naturally proportioned, immediate work and related subenvironments are overpopulated with workers with disabilities and are de facto unacceptable. The point here is that a worker with significant disabilities must work in sight, sound, and within reasonable distance of coworkers who are not disabled. All 50 workers carried out their jobs in settings that were in reasonable accordance with these criteria.

Inspection of the work environments in Table 1 reveals that the 50 workers had jobs in 253 settings. In this context, a setting was counted more than once if more than one worker was employed in it. The number of work settings per individual worker ranged from 1 to 10. In total, there were over 150 different integrated work environments.

There were important changes in the types of integrated work environments utilized across time. In 1986, 20 food service and 22 office settings were the sites for the 40 workers served at that time (this number excludes the two workers who died and the two who moved from Dane County). In 2005, the same 40 workers were employed in only six food service environments but in 47 office settings. Concerted efforts to increase office sites were made for the following reasons. First, offices often have low turnover rates relative to food service settings. This allows for the frequent contacts and common experiences over extended periods necessary for the development of meaningful social and supportive relationships with coworkers without disabilities. Second, parents/guardians and workers often preferred office settings. Third, many office tasks were less physically and cognitively demanding than those required in food service settings. For example, clerical collating and stapling tasks required relatively few skills, discernable sequences, less stringent time constraints, and simple qualitative judgments when compared to bussing tables, washing dishes, sweeping floors, or making salads in a restaurant. Fourth, Madison contains a large number of city, county, state, federal, and private offices. Fifth, the central location and close proximity of many government office buildings allowed for convenient transportation for workers and job coaches.

Many workers were employed in two or more work environments in a day/week, primarily for the following reasons:

- At times one environment did not provide the variety of tasks that would maintain interest, willingness to perform, and physical well being.
- Multiple environments provided more opportunities for the preferred amounts and kinds of social relationships with coworkers without disabilities.

- A reasonable balance between active and sedentary tasks across a day/week was not available in one setting.
- There was an insufficient amount of work in one setting.
- Workers who presented social and behavioral challenges were often more readily accepted or tolerated if their work schedule was less than a full day/week in a particular setting.
- If someone worked in two settings and lost access to one, it was usually less disruptive for the worker and easier to arrange another part time rather than a full-time job.
- A setting may have required skills that were in the repertoire of a worker during some, but not all, parts of the work day/week. For example, one worker performed her job acceptably at a restaurant in the mornings; however, during busy lunch periods, when she could not carry out her job adequately, she worked at a nearby video rental store.

Work Tasks

A job is defined as the entire range of skills required of a worker without disabilities in order for an employer to hire or continue to employ her/him at least at the minimum wage. Some components of the jobs of coworkers without disabilities were too difficult for the workers. Answering telephones, using word processors and assisting customers, are examples. In short, a business could not succeed if it was dependent upon the productivity of only the workers with disabilities. In addition, many of the workers manifested attendance rates and behavioral challenges that would not have been tolerated by most employers, if the workers were not disabled.

If a worker with disabilities does not complete a task in accordance with the minimally acceptable standards of an employer, and as a consequence a coworker without disabilities must be paid to do so, it is considered real work. All 50 workers performed real work in accordance with this definition. In some instances, a worker with significant disabilities could complete some work tasks acceptably in the same manner as coworkers who were not disabled. In other instances, a worker could do so only if individualized adaptations were designed and utilized. An adaptation refers to something that is added to, or changed in, the setting that allows a worker with disabilities to perform his or her work in accordance with the minimally acceptable standards of an employer. These adaptations are not needed by coworkers without disabilities. Some adaptations such as paper folding devices, colorcoded mail, and pictures of required performance sequences are relatively simple and inexpensive. Others are quite complex and costly. Many workers utilized a wide array of individualized adaptations throughout their careers.

From 1981 to 2005, the workers engaged in over 150 real work tasks. Efforts to provide opportunities to learn and perform a wide array of different and/or more complex tasks across days, weeks, and years were always made.

Years and Months in Work Settings and Reasons for Job Changes

The amount of time individual workers spent in particular settings ranged from 2 months to 27 years and 6 months. Job changes occurred for a range of reasons, most of which were designed to enhance opportunities and create better job matches. For example, changes were made because the array of tasks was too limited, complex, or simple. In some instances, a new job was secured because it offered better opportunities for social interactions and/or natural support. Changes were made to move someone from a volunteer experience to a paid work setting, or to a site closer to home with improved transportation options. Occasionally, a change was made so that professional support could be provided more effectively, and in some instances changes were made to accommodate a worker's medical needs or decline in stamina. Finally, like many workers, changes were made when workers became disinterested in a setting or tasks and asked for changes. "Asking for changes" took different forms, including obvious declines in performance, exhibiting challenging behaviors, and/or refusing to go to work.

Some of the job changes were due to terminations and layoffs. Between 1981 and 2005, there were 18 terminations and 18 layoffs that occurred across 21 different workers. The reasons for terminations were unacceptable social/behavioral actions (14), excessive absenteeism (2), and poor work quality (2). Social/behavioral challenges that warranted dismissal included aggression toward others, demands for attention that interfered with the functioning of coworkers and supervisors, and stealing. Pens, coffee cups, and snack foods were the items taken most frequently. Money was rarely taken. In most instances, a worker was not terminated until several problematic actions were expressed. Some employers offered continued employment; however, job coaches often judged that it was important to provide workers opportunities to learn from natural consequences—the loss of one's job. In 12 of the 18 terminations, employers agreed to hire other workers supported by Community Work Services.

Reasons for layoffs were declines in business (6), the tasks workers performed were phased out (5) or were assumed by full-time employees (2), and there was an insufficient amount of work available (5). In one instance, a worker broke his ankle outside the work setting and the employer determined it was necessary to hire a replacement. Workers who exited integrated settings were moved to other integrated settings. Community Work Services has never had a worker move from an integrated to a segregated work setting.

Hours Worked

In most instances, job coaches supervised the workers from around 8:30 a.m. to 3:00 p.m., Mondays through Fridays. This encompasses time spent in working, in lunch and work breaks, in traveling, and in recreation activities. The number of hours spent working (including breaks) ranged from 6 to 30.5 hr/week. The average was 20.15 hr/week. Interestingly, many workers who presented social and behavioral challenges worked the most hours per week. With few exceptions, the number of hours worked per week remained relatively stable across time. This is noteworthy because as the workers aged, stamina and more serious mental and physical illnesses frequently reduced skill levels. Logically, as the competence and productivity of some workers increased, so did their earnings. However, increased earnings jeopardized some SSDI and SSI benefits and their work hours were maintained or reduced to keep them under the benefit loss threshold.

Wages

In 2005, the Wisconsin legal minimum wage for private sector employees was \$5.70 per hour. Most public sector city, county, and state positions in the Madison area offered starting wages in entry level positions of around \$10.00 per hour. The hourly wage range of the workers in 2005 was from \$3.20 to \$10.00. The average was \$5.76. Obviously, no worker could live on the wages earned. Several other points are relevant.

- The ranges and amounts of work produced were almost always less than those of coworkers without disabilities. However, the work they produced released coworkers without disabilities to focus on more complicated tasks.
- The productivity of 12 workers was documented empirically by Community Work Services personnel.
 These employers were eligible for and utilized deviated wage certificates that allowed subminimum wages commensurate with productivity. There were many employers, however, who were eligible for deviated wage certificates based on a worker's productivity but chose to pay the minimum wage or higher.
- Many workers received pay raises because of longevity in their positions. Increases in the legal minimum wage since 1984 also resulted in automatic pay raises.
- None of the workers worked 40 hr/week. Because
 of the part time nature of their work, most did not
 receive benefits through their employer.

In 2005, seven of the workers were in "volunteer" settings. Each of these seven also worked for wages in other settings. We believe that it is qualitatively better to work in an integrated setting as a volunteer than it is to work in a segregated setting for the amounts of money typically received. A worker was considered a volunteer if he or she had reasonable knowledge about, and

agreed to perform, the required tasks and if the setting legally used other volunteers in the same capacities.

Volunteer settings were utilized for three major reasons. First, the physical, social, logistical, and other benefits of volunteering were deemed more important than the amounts of money that could be earned elsewhere. Second, the amounts of money earned jeopardized SSDI and SSI benefits. Wisconsin allows benefit determination professionals to decide how much a worker can earn before benefits are reduced or terminated. Some could have worked more hours and/or earned more money. However, they could not earn enough money or work the number of hours that would compensate for reduced or terminated benefits. Thus, they worked fewer hours, participated in paying and volunteer roles and/or deferred raises. Third, workers realized they could make money elsewhere but clearly preferred working in certain settings as volunteers. Despite these reasons, the use of volunteer settings decreased over time. In 1986, 15 workers functioned in volunteer roles; in 2005, only seven did so.

Professional Support

None of the workers could have been successful in a workplace, residential setting, or anywhere else without the comprehensive and sustained assistance of family members, job coaches, taxpayers, coworkers without disabilities, and others. In the workplace, professional support refers to the amounts and kinds of assistance a job coach provides that would not be needed if a worker was not disabled or was less disabled. In 2005, the amounts of professional support time per individual worker ranged from approximately 15 min to 35 hr/ week. The following points emerged:

- Job coaches continuously strived for safe, cost efficient, and otherwise individually meaningful balances between too much and too little support.
- Some workers performed their jobs quite well in high ratio arrangements (e.g., 1:5 or 1:6 ratios) because of their personal care, social, travel, and work repertoires. Others performed their jobs quite well in high ratio arrangements during work times but needed low ratio arrangements (e.g., 1:1 or 1:2 ratios) during relatively unstructured break and lunch times and in travel and recreation activities because of personal care and behavioral challenges.
- If tasks were within the lower end of the difficulty range of a worker, the support required to ensure acceptable work quality was often minimal. However, job coaches persistently strived to generate horizontal and vertical enhancement opportunities. When a worker was learning additional tasks in a difficulty range or more complex tasks, increases in professional assistance were almost always required.
- One day a worker could have been doing quite well with only monthly checks; however, for health, behav-

ioral, training, or other important reasons, he or she may have needed a job coach present for the entire time she was working the next day. Consequently, professional support had to be flexible and responsive to constantly changing circumstances. As the workers aged, deteriorating mental and physical health and the diminution of personal care skills often required increasing amounts and kinds of support.

The support arrangements used with each worker are presented in Table 1 and are categorized in the following manner:

- I to 1 or 2. In these arrangements a job coach was in the same physical space, in sight of, and/or in extremely close proximity to one or two workers almost 100% of the time they were in their work settings. This intensity of support was deemed necessary to maintain concentration on tasks and productivity; address seizure disorders; honor court orders and strong parent/guardian preferences; manage behavioral challenges; minimize interference with the productivity of others; and attenuate safety risks.
- 1 to 3, 4, 5, or 6. In these arrangements, job coaches were approximately 5 min away from the 3, 4, 5, or 6 workers for whom they were directly responsible. In order for these arrangements to be operative and yet to honor the criteria of an integrated work environment, settings that were in relatively close temporal and spatial proximity were used. For example, five workers' jobs were in four separate areas of a large government office building. This allowed one job coach to check each of the five every 15–20 min. When necessary, coworkers without disabilities used cell phones and pagers to contact job coaches who were rarely more than 5 min away.
- Daily checks. In this arrangement, job coaches typically checked workers at least once per day. However, depending on support needs, a worker was checked or monitored once every 30 min to once in 4 hr. The typical routine of a job coach in this arrangement was to rotate across workers throughout a morning or afternoon. Because workers in this arrangement needed less assistance than others, their work settings were more dispersed. However, a job coach was rarely more than 15–20 min away.
- Weekly and monthly checks. In these arrangements, workers were checked by a job coach 1-3 times per week or 1-2 times per month. Typically, a check lasted from 5 to 30 min. If circumstances required more support, it was provided.

Most of the support provided by job coaches in all arrangements described included the following: (a) providing systematic training and instruction, (b) verifying work was completed acceptably and that negotiated routines and schedules were followed, (c) motivating work-

ers, (d) assisting employers/supervisors to set workers up with assigned tasks, (e) monitoring behavioral challenges and following through with agreed upon interventions, (f) monitoring dress and grooming requirements, (g) facilitating social interactions and communications between workers and coworkers/supervisors (e.g., programming and updating augmentative communication devices), (h) monitoring, evaluating, and improving the effectiveness of individualized adaptations (e.g., setting timers and alarms that indicated work breaks and transition to another work site), (i) getting feedback from employers and/or coworkers about worker performance and responding constructively, (j) assisting in restroom and related activities, (k) monitoring medical conditions and dispensing medications, (I) assisting during transitions to and from work sites, lunchrooms, transportation points, etc., and (m) responding appropriately to extraordinary situations.

Work Breaks

Whereas some workers had paid breaks, others did not because they worked less than 4-hr shifts. For those who did take breaks, the range was from 10 to 30 min. The average was 15 min. Breaks were often longer than those taken by coworkers without disabilities because more time was needed drinking, eating, and using restrooms. Some took breaks on their own, some took them with coworkers without disabilities, and some took them with job coaches.

Recreation, Lunch, and Transportation

Recreation

In 2005, 18 of the workers engaged in recreation activities during portions of their work weeks. These activities included "working out at the Y," swimming, shopping, using public libraries, and bowling. One worker swam at a "Y" approximately 5 hr/week. A job coach checked in with him about once per month. The 17 others participated in these activities with a job coach in groups of two or three. The workers spent from 2.5 to 6 hr/week in recreational activities during work weeks. The average was 4.5 hr/week.

The workers engaged in recreational activities for a number of reasons. First, as previously mentioned, it was necessary for most of the workers to be out of their residences between approximately 8:00 a.m. and 3:00 p.m. daily. Appropriate work tasks could not be arranged for that amount of time. Behavioral challenges, attention span difficulties, and/or limited stamina disallowed full days of work. Second, a worker and/or parents or guardians requested that some time be spent in recreational activities. When recreational experiences during nonwork days and times were analyzed, it was clear that involvement in some "fun" activities was needed. Third, health and fitness considerations led to incorporation of some physically demanding recreational activities. And, finally, recreational activities

were used as motivations for working (e.g., "in order to have money to shop, you must work").

Lunch

Many workers needed more physical or other kinds of guidance during lunch than while working. Specifically, help was needed purchasing, opening packages, cutting foods, cleaning up, and using restrooms. Twelve workers needed physical assistance when eating and drinking.

Some workers experienced behavioral difficulties in relatively unstructured lunch periods, and in such instances a job coach ate lunch with from two to five workers in the same location. This was an unfortunate violation of natural distributions, but it was done because the personnel that would be needed to supervise in low ratio arrangements could not be afforded.

Transportation

Workers traveled to and from work using various means: walking (1), transported by parents (3), and independent use of city busses (11). The remaining workers used specialized transit or a combination of specialized transit and another means of transportation, including being transported in a job coach's personal vehicle.

Social Integration

It is incumbent upon those who claim integration is superior to segregation to delineate important elements that are operative in the former but not the latter. One of the most important characteristics of the integrated option is the opportunity to interact with and develop a range of social relationships with coworkers and others without disabilities who are not paid to be with you. Community Work Services expends substantial energies and other resources developing a wide array of social relationships between coworkers and others without disabilities. Indeed, although the vocational achievements reported are notable, for most workers they are secondary to the social relationships experienced. These relationships could not have been realized in segregated environments.

Several important points relative to enhancing social relationships emerged. First, if employers and coworkers without disabilities were comfortable with and liked the job coach, they were more likely to develop social relationships with workers. Therefore, job coaches were encouraged to be sociable, accessible, and approachable. They were also encouraged to provide relevant information about a worker's interests, abilities, and communication styles as ways of increasing opportunities for social interactions. Second, when job coaches initiated social contacts on behalf of a worker, coworkers were generally happy to be approached. Oftentimes they did not realize that becoming involved with a worker in social activities within or outside the workplace was appropriate and preferred. After initial contacts and connections were made by job coaches, coworkers often

continued and expanded them with minimal support. Third, in some instances meaningful social relationships developed quickly and with relative ease. However, it was more common for them to develop gradually. One particularly helpful facilitating technique was for job coaches to model desired social interactions. For example, for 2 years a job coach brought cake and gifts to the office to celebrate the birthday of a worker. In the third year, coworkers organized his birthday party without the involvement of the job coach. In 2005, all of the workers celebrated their birthdays and workplace anniversaries with coworkers and employers. Fourth, as many wonderful social relationships developed, it became apparent that the workers seemed to be receiving much more than they were giving. Thus, with the assistance of job coaches, workers began acknowledging the birthdays of coworkers and employers, inquiring about vacations, sending get well cards, and making other gestures common in reciprocal relationships. After initiating more "giving" actions, the workers became even more socially connected to coworkers and employers. Finally, although the excitement and novelty of new work settings and tasks oftentimes faded, it was quite common that social relationships with coworkers produced more satisfaction and sustained productivity.

The benefits of working in integrated settings were not restricted to the workers. Many coworkers described their work environments as being enhanced, their morale improved, and their personal and professional lives more fulfilled because they worked with persons with disabilities. Sometimes, workers did not participate in events with coworkers that were at night or on weekends because transportation could not be arranged. Nevertheless, there were many instances when workers attended gatherings at the homes of coworkers, ate with them at restaurants, and engaged in recreation activities together on weekends. The following are illustrations of such social relationships (names are pseudonyms):

Travis works at the office of the Wisconsin State Commissioner of Insurance. The director of human resources took a sign language course so she could communicate with him. She sometimes joined Travis for breaks and occasionally met him for lunch at a nearby cafeteria to "chat." Several other coworkers learned some sign language. At his birthday parties, they all sang "happy birthday" in sign language.

In 2005, the state office building at which Brad worked was renovated. Everyone was displaced during construction. When the renovations were completed, a floor plan was posted. Brad, who used to work next to Jane, was moved to another area. Jane went to her administrator and arranged for another employee to be moved so Brad could continue to work next to her.

Martin worked in the City of Madison Assessor's Office. He entered data into a computer using a mouth stick. He also used it to ambulate in his motorized wheelchair. His supervisor, Joann, observed job coaches struggle with his outerwear during cold weather. She surprised Martin one day with a poncho she made that could be easily slipped on and off. He loves the poncho and wears it whenever weather permits.

Kevin worked at the Badger Cab Company. One morning he was trying to use his pocket talker to communicate with coworkers. It was not working and he was becoming quite frustrated. One of his coworkers learned that Kevin's insurance did not cover the \$300 for a new talker. He started a collection and in a few hours had enough. A few weeks later Kevin's coworkers arranged a cookout and surprised him with a new talker. Rick, Kevin's supervisor who organized raising the money, said, "It's hard to describe. We could have someone else do the work, but it's better having Kevin. When he's not here, I miss him."

Mike worked at the Avenue Bar and Restaurant, primarily as a dishwasher. After 15 years, he decided he wanted a new job. This was a difficult choice because he had made many friends and was especially close to Paul, his boss. Mike started working at the Mautz Paint Company, which was one block from the Avenue Bar and close enough for him to stop in to visit friends and for free lunch! After 2 years, the owner of the Mautz Paint Company announced the business was being sold and employees should expect to be laid off. When Paul heard the news, he quickly reassured Mike that he could come back to the Avenue Bar on a temporary or permanent basis. He also guaranteed that he would not have to do dishes. When Mike's job coach thanked Paul for his generous offer, his response was, "Mike is family. He is like a brother to me."

Discussion

From 1981 to 2005, the 50 workers participated in over 150 integrated work settings, performed hundreds of meaningful jobs effectively, and enjoyed hundreds of social relationships with persons without disabilities who were not paid to supervise them. Not one moved from an integrated to a segregated setting and not one instance of physical or sexual abuse in an integrated setting was reported. Vulnerable individuals are safest when they engage in meaningful activities in places with many peers without disabilities who are not paid to be with them.

Those who opposed allowing opportunities for integrated vocational experiences in the 1970s and 1980s and

predicted failure and harm were wrong. Those who oppose integration today are even more wrong because we now have an increasing body of evidence that, given authentic instruction and reasonable long-term and personalized support, individuals with significant disabilities can be engaged successfully and safely in integrated vocational settings over long periods. Specifically, it is the considered professional judgment of the authors that the number of environments to which the workers were given access, the quantity and complexity of skills they learned and performed, the social relationships they experienced, and the personal choices they were allowed to make were enhanced dramatically because they were part of integrated rather than segregated settings.

If MMSD school personnel did not provide authentic vocational assessment and instruction, it is extremely doubtful that many parents would have advocated for their children to be supported in integrated work settings after school exit; that Community Work Services would have been created; and that the workers and many others would have had opportunities to participate in integrated society for so long. Tragically, the service delivery models and curricula that have been proven effective preparing students with significant disabilities for the real world of work at school exit are being used by too few school districts. The results are waste, unemployment, disappointment, frustration, dependence, and lives with other qualities that are less than acceptable. It does not have to be this way.

Schools are time-limited means to ends. They are not ends. In the United States, students with significant disabilities typically attend school until around age 22. They are supposedly provided with specially trained teachers, a wide array of therapies, paraprofessionals, door to door travel services, low ratio instruction, special art, music and physical education, special facilities and individualized curricula. These supposedly special services cost substantially more than those offered peers without disabilities. In addition, they are much more than the monies per capita available to most post-school service agencies. The results of these well-intentioned and expensive services are unacceptable. What can educators do to produce better outcomes?

- Provide authentic vocational assessment and instruction.
- Teach skills for successful performance not only in integrated schools and classes, but also in integrated lunch and break rooms, on public busses and trains, in carpools, work sites, parks, and in a variety of other integrated settings (Brown et al., 2000).
- Teach students to do as much as possible for themselves and to use their skills as well as possible under natural supervisory conditions. The unnecessary use of 1:1 or other low ratio instructional arrangements during school careers makes it extremely difficult for individuals with disabilities to function in real work and related settings under natural supervisory

conditions and in accordance with financially viable job coach to worker ratios at school exit. The clear message to schools is to teach students to participate effectively in the highest possible personnel to student ratios (Brown, Farrington, Knight, Ross, & Ziegler, 1999; Storey & Certo, 1996).

- Teach as many students without disabilities as possible, the coworkers of the future, to provide meaningful natural support.
- Start fading out school and scheduling in experiences in integrated nonschool settings no later than age 14 (Brown et al., 1983).
- Teach students to be nice to others and to work hard.
- Take responsibility for, plan for, fight for, demand, and do all that is feasible to produce integrated outcomes or step aside and give someone else a chance. That is, if school personnel cannot or will not provide reasonable preparatory experiences, they should contract with others who can and will (Brown et al., 1984; Owens-Johnson et al., 2002).

An important common denominator of persons with significant disabilities is their need for lifetime extra support. If the workers did not need extra support for life, they would have enrolled in vocational/technical schools, community colleges, or other short-term, timelimited programs. Unfortunately, there is no evidence that short-term, time-limited services are effective for persons with significant disabilities. This was understood by the courageous and insightful elected and administrative Dane County officials who generated and maintained the critical long-term support. If not for their values, priorities and commitments, the workers would have spent their lives in segregated settings and/or at home. Instead, they are seen on public busses, hospitals, streets, laboratories, government offices, banks, and many other integrated places making positive contributions to their community and making their parents and the professionals involved proud.

Personnel to worker ratios are causally and inversely related to costs: the higher the ratio, the lower the costs; the lower the ratio, the higher the costs. This economic reality is a major obstacle for persons with disabilities who wish to work in integrated vocational settings. The more you cost, the higher are the probabilities that you will be confined to segregated settings, placed on waiting lists, and/or confined to your home. In addition, as the number of persons with disabilities who need long-term taxpayer support for vocational services increases, so does the urge to revert to less than acceptable sheltered workshops and activity centers.

Community Work Services operates with an average 1:4.5 ratio because it serves persons that need life time supports. Indeed, most of the workers are aging sooner than chronological age peers without disabilities. Dementia, mental illness, and loss of physical abilities are increasingly problematic. Nevertheless, they express a

reasonable range of skill levels, behavioral challenges, personal care repertoires, etc. Few agencies can survive financially or otherwise if they *only* serve workers with complicated personal care needs or *only* workers who have serious behavioral challenges. Balanced and heterogeneous populations allow more persons with disabilities to participate in integrated settings at reasonable costs.

Finally, if you are alive and have significant disabilities, you must be somewhere. Where should you be? You must be with someone. With whom should you be? You must be doing something. What should you be doing? You should be in respected environments with individuals without disabilities doing what they do because an integrated life is inherently better than one that is segregated. We must do all that is reasonable to prevent anyone from experiencing lives that are segregated, nonproductive, sterile, unnecessarily dependent, and costly. Conversely, we must do all that is reasonable to prepare and arrange for all citizens to live, work, and play enjoyably and productively in a safe, stimulating, and diverse integrated society; that is, to live ordinary lives.

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