EXECUTIVE OFFICE OF THE PRESIDENT COUNCIL OF ECONOMIC ADVISERS



WORK-LIFE BALANCE AND THE ECONOMICS OF WORKPLACE FLEXIBILITY

MARCH 2010

WORK-LIFE BALANCE AND THE ECONOMICS OF WORKPLACE FLEXIBILITY

EXECUTIVE SUMMARY

American society has changed dramatically over the p ast h alf c entury. W omen have entered the labor force in growing numbers and families have increasingly relied on m ore than one earner to make ends meet. And yet, children still need to be taken to the doctor and elderly parents still need care. Moreover, more adults older than 25 are attending school. Because these changes have caused many workers to face conflicts between their work and their personal lives, they also inspire a need and desire for more flexibility in the workplace.

Flexible workplace arrangements can be in terms of when one works, where one works, or how much one works (including time off after childbirth or other life events). They include a variety of arrangements s uch as j ob sharing, pha sed r etirement of ol der w orkers, and telecommuting, that allow workers to continue making productive contributions to the workforce while also attending to family and other responsibilities.

This r eport pr esents a n e conomic pe rspective on f lexible w orkplace pol icies a nd practices. The f irst s ection reports some of t he ch anges in t he U.S. w orkforce that ha ve increased the need for flexibility in the workplace.

- Women comprise nearly one-half of the labor force; in nearly one-half of households all adults are working.
- In 2008, a pproximately 43.5 million Americans served as unpaid caregivers to a family member over the age of 50. Nearly one-fifth of employed people were caregivers who provided care to a person over age 50.
- The i ncreasing d emand f or an alytical an d i nteractive s kills—those l argely obt ained through post-secondary education—means it is all the more important and common for individuals to pursue additional education while also working.

The second section examines the current state of flexible work arrangements and reports that many employers have adapted to the changing realities of American workers.

- Overall, over one-half of employers report allowing at least some workers to periodically change th eir s tarting and q uitting time s. However, less than one -third of f ull-time workers report having flexible work hours, and only 39 percent of part-time workers do. This discrepancy between the employer and employee reports may be due to differences in data collection or because more employers would be willing to accommodate the needs of individual workers but these workers are not aware of it.
- Less-skilled workers have less workplace flexibility in terms of the scheduling of when they work than do more highly-skilled workers.

- Flexibility in where to work is less common: only about 15 pe rcent of workers report working from home at least once per week.
- Finally, mo st e mployers o ffer a t le ast s ome workers th e ability to return to work gradually after a major life event such as the birth or adoption of a child, although j ob sharing appears less widespread.

The report concludes with a discussion of the economic benefits of workplace flexibility arrangements.

- Almost one -third of firms c ite c osts or limite d f unds a s o bstacles to imp lementing workplace flexibility arrangements. However, the benefits of adopting such management practices can outweigh the costs by reducing absenteeism, lowering turnover, improving the health of workers, and increasing productivity.
- The c osts and be nefits of a dopting flexible a rrangements differ a cross i ndustries and employers of different sizes.
- Because many employers may not have accurate information about the costs and benefits of workplace flexibility practices and because some of the benefits may extend beyond the individual employer and its workers, wider a doption of such policies and practices may well have benefits to more firms and workers, and for the U.S. economy as a whole.
- A factor hindering a deeper understanding of the benefits and costs of flexibility is a lack of da ta on t he pr evalence of w orkplace flexibility a rrangements, and m ore r esearch is needed on the mechanisms through which flexibility influences workers' job satisfaction and firm profits to help policy makers and managers alike

INTRODUCTION

American society has changed dramatically over the past half century. Women comprise nearly one-half of the labor force; in nearly one-half of households all adults are working. And yet, children still need to be taken to the doctor and elderly parents still need care. Moreover, more adults are attending school. These and other changes have caused many workers to face conflicts between their work and personal lives. These changes also inspire the need and desire on the part of workers for more flexibility in the workplace. Flexibility can be in terms of when one works, where on e works, or how much on e works (including time of f a fter childbirth or other life events). "Workplace flexibility" generally refers to arrangements—such as job sharing, phased r etirement of ol der w orkers, f lexible hour s, a nd pr ovision of c omputers t o f acilitate telecommuting—that allow w orkers t o c ontinue m aking pr oductive c ontributions t o t he workforce while also attending to family and other responsibilities.

This r eport pr esents a n e conomic pe rspective on f lexible w orkplace pol icies a nd practices. The first section looks more closely at some of the changes in the U.S. workforce that underlie the n eed for in creased flexibility in work ar rangements. The increasing d emand for analytical an d interactive s kills—those l argely obt ained t hrough post-secondary ed ucation—means it is all the more important and common for individuals to pur sue additional education while a lso w orking. These t rends r aise t he v alue o f f lexibility in t he workplace as it helps workers balance work and family responsibilities.

The second section examines the current state of flexible work arrangements. It finds that although the majority of employers report allowing at least some employees flexibility in their work schedules, far fewer full-time workers report having such flexibility, although there is variation a cross t he w orkforce. Notably, l ess-skilled w orkers r eport t he l east w orkplace flexibility. A majority of employers are also willing to accommodate a gradual return to work after a major life event, such as the birth or adoption of a child. In contrast, it is less common for workers t o be able t o shift where they w ork (by, for example, w orking from hom e) and only about one-third of firms report allowing some of their employees to job share.

The report concludes with a discussion of the economic benefits of such practices and policies. One can think of a ccommodating flexibility in the workplace as a component of a worker's total compensation package, a long with other benefits such as he alth insurance and retirement benefits. If em ployees v alue flexible ar rangements more than the costs to the employer of providing them, flexibility can be a cost-effective tool for attracting and retaining workers. The costs to firms of adopting such management practices can also be outweighed by reduced absenteeism, lower turnover, healthier workers, and increased productivity. Because many employers may not have accurate information about the costs and benefits of workplace flexibility practices a nd be cause s ome of the benefits may e xtend be yond the individual employer and its workers, and for the U.S. economy as a whole. That said, a lack of current data on the prevalence of arrangements and too few studies on the mechanisms through which workers' j ob s atisfaction and firm profits are affected hinder a deeper understanding of the benefits and costs of workplace flexibility policies and practices.

THE EVOLVING NEEDS OF AMERICAN WORKERS

The structure of American society has changed significantly over the last half century. In 1968, 48 percent of children were raised in households where the father worked full-time, the mother was not in the labor force, and the parents were married; by 2008, only 20 percent of children lived in such households. The result: children are increasingly raised in households in which all parents work in the labor market (for single-parent households, this means that the one parent works; for two-parent households, both parents work). For example, as shown in Figure 1, in 1968, 25 pe rcent of children lived in households in which all parents were working full-time; 40 years later, that percentage had nearly doubled.¹

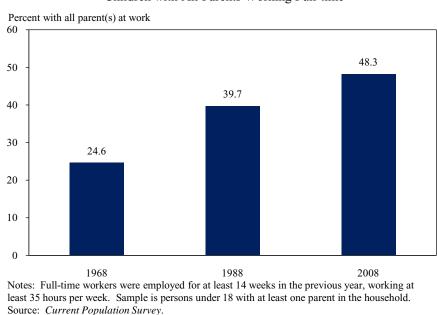


Figure 1 Children with All Parents Working Full-time

The changing environment in which children are raised r eflects in part a shift in the nature of the workforce. In 1950, women constituted about 30 percent of the labor force; in 2009, they comprised nearly half. The fraction of full-time workers who were parents in full-time working families (defined as families with children where all parents work full-time) has risen from about 18 percent to 26 percent since 1968.²

At the same time, people born around 1940 have a life expectancy over 10 years longer than those of the previous generation (born in 1910), producing added responsibilities for the care of older family members as well.³ According to one national study, approximately 43.5

¹ These changes have all caused many workers to face conflicts between their work and their personal lives. The Families and Work Institute's 2008 *National Study of the Changing Workforce* found that 41 percent of workers report that job and family life interfered with each other "a lot" or "somewhat."

² CEA calculations based on the *Current Population Survey*.

³ Shrestha (2006).

million A mericans—the ma jority of them w omen—served as unpaid caregivers to a family member over the age of 50 in 2008.⁴ Nearly one-fifth of employed people in 2008 provided care to a person over age $50.^5$

In addition, the importance of strong workplace skills in the U.S. labor market has been increasing over the past several decades. In the mid-1960s, college graduates earned about 50 percent more than high school graduates (on average) and this premium has more than doubled in the time since then. Research also suggests that as much as one-third of the productivity growth between 1950 and 1993 was due to education.⁶ The growing need for a post-secondary education d erives from t he s kills e mployers demand in t he m odern A merican w orkplace. Occupations that have grown in their share of employment require a greater intensity of non-routine a nalytic a nd i nteractive s kills t han do occupations t hat have b een d eclining. Most forecasts are that these trends will continue.⁷

American workers are, in response, increasingly returning to post-secondary schools even after they are past the traditional school age. Between 1970 and 2006, the percentage of students enrolled in degree-granting institutions who were 25 years or older increased from 28 percent to 39 percent.⁸ While post-secondary institutions, notably community colleges, have attempted to adapt to their changing student bodies with classes held in the evenings, on weekends or online, more ef fort i s n eeded. Among s tudents w ho did not c omplete a post-secondary e ducation program, one of the most commonly cited changes that would have been helpful for completing a college degree would be for programs to offer more courses in the evenings, weekends, and the summer so people can work while attending school.⁹

Evidence suggests that, on average, workers may not need to reduce the number of hours they work to balance these new family responsibilities and other activities. Technological gains have helped to decrease the intensity of some previously time-consuming tasks at home, such as cooking and cleaning, which is estimated to have more than offset the increase in working and commuting time for women.¹⁰ Economists estimate that relative to the mid-1960s, on average Americans in recent years have had more time to spend on socializing, passive leisure, active leisure, vol unteering, p et c are, gardening, and other a ctivities.¹¹ Note, how ever, t hat t hese statistics represent overall averages and t herefore include m any y oung, unm arried, a nd/or childless i ndividuals. A s a r esult, t hese statistics may n ot ad equately r epresent t he t ime constraints of working caregivers.

⁴ National Alliance for Caregiving (2009).

⁵ CEA calculation based on data from National Alliance for Caregiving (2009) and labor force statistics from the Bureau of Labor Statistics.

⁶ Jones (2002).

⁷ Council of Economic Advisers (2009a).

⁸ Department of Education (2009).

⁹ Johnson et al. (2009).

¹⁰ For example, evidence from the *Residential Energy Consumption Survey* shows that the percentage of households with di shwashers increased from 35 pe rcent i n 1978 t o 50 pe rcent i n 1997. S ee G reenwood, S eshadri, a nd Yorukoglu (2005) for review of the evidence of the effect of technology on labor female labor force participation.

¹¹ Aguiar and Hurst (2007).

In part, the need for flexibility derives from the fact that the gap between the time spent on market and nonmarket work for men versus women has narrowed. C ompared with 1965, in 2003 women spent more time on m arket work and significantly less time on nonm arket work such as food preparation, kitchen c leanup, and washing c lothes. For men, the p atterns were reversed; between 1965 and 2003, men have spent substantially fewer hours on market work and somewhat more hours on nonmarket work.¹² With men and women both performing nonmarket and market work, often one or both of them need the ability to attend to family responsibilities such as taking children and parents to doctors' appointments.

THE PREVALENCE OF WORKPLACE FLEXIBILITY IN THE UNITED STATES

American workers increasingly need to balance employment with other responsibilities, but to what extent does the workplace a ccommodate these ne eds? W hile drawing on m any sources, this section primarily r elies o n tw o nationally representative surveys to b etter understand the prevalence of different types of workplace flexibility in the United States. The first survey provides the perspective of employers through the A lfred P. S loan F oundation's 2008 na tional survey of p rivate employers, the *National Study of Employers*. This s urvey provides one of the most comprehensive and detailed sources of firm-level data on programs and policies related to work-life balance.¹³ As an employer's perspective on workplace flexibility may differ from that of its employees, the discussion also includes analysis of the May 2004 *Current Population Survey* (CPS), a nationally representative s urvey of hous eholds.¹⁴ These data provide the perspective of the average U.S. worker on the extent to which their job provides such flexibility and are the most recent available at the national level. N ote that both surveys reflect conditions before the current recession began.¹⁵

The discussion focuses on flexibility in the scheduling of hours, the place of work, and the num bers of hours worked, a s w ell a s t hose t hat c ut a cross t hese c ategories.¹⁶ It a lso considers the special circumstances of small businesses and firms in the manufacturing sector.

Flexibility in the Scheduling of Hours

One of the most important sources of flexibility is the ability of workers to have some control over *when* they work. Examples include flexibility in when a worker arrives at or leaves work, the scheduling of breaks and overtime, and compressed workweeks (such as when one works more hours four days a week and a partial day one day a week). As shown in Figure 2, below, data from the *National Study of Employers* suggest that in 2007, 79 percent of employers allowed at least some workers to periodically change their starting and quitting times, within

¹² See Table II in Aguiar and Hurst (2007).

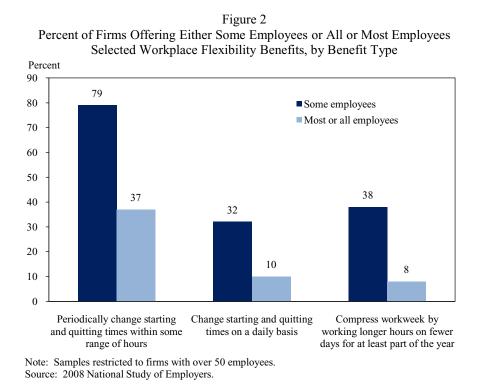
¹³ The 2008 sample includes 1,100 employers with 50 or more employees. These data are helpful both because of the relatively large sample size and because most other data sources, such as the *Current Population Survey*, do not contain detailed information on the prevalence of many of these practices.

¹⁴ The May 2004 *Current Population Survey* included a supplement on work scheduling and the prevalence of workat-home.

¹⁵ Data for the *National Study of Employers* data were collected from April through August, 2007.

¹⁶ Workplace Flexibility (2010a).

some range of hours. Fewer employers (32 percent) allowed at least some workers to change starting and quitting times on a daily basis.



In contrast, data from the *Current Population Survey* show that in 2004, only 28 percent of full-time workers reported they had flexible work hours that allowed them to vary or make changes in the time they began and ended work, as shown in Table 1. Flexibility was more common for part-time workers (39 percent). Box 1 below discusses the differences in reported prevalence of f lexible w ork ar rangements b etween the *Current Population Survey* and the *National Study of Employers*.¹⁷

¹⁷ Current Population Survey, May 2004; Bond, Galinsky, and Sakai (2008).

BOX 1: WHY IS THERE SUCH A LARGE DIFFERENCE IN REPORTED PREVALENCE BETWEEN THE TWO SURVEYS?

One i mportant r eason f or t he di fference b etween t he t wo s urveys i s that in t he employer-based surveys, employers report that they provide flexibility for "some" or "most" workers but do not otherwise indicate the prevalence. If many employers only provide a benefit to a minority of their workers, the percent of workers with a benefit will be smaller than the percent of firms offering the same benefit. In addition, there may be a difference between an organization's policies and their implementation. The National Study of *Employers* attempted to address this is sue by a sking if the organization "allows employees" to..." or "provides t he following b enefits o r p rograms..." r ather t han i f i t ha s "written policies." H owever, if w orkers are unaware that th eir ma nagers w ould b e w illing to implement such practices or are unaware of such policies, they will report less availability of such arrangements than will their employers. Second, the National Study of Employers is a survey of employers in which the respondent is an organization rather than an individual. As a result, the data describe the benefits provided by a typical employer rather than those to a typical employee. Given that, by definition, larger employers represent more workers than do smaller f irms, s tatistics a bout the a verage employer may not be representative of t he experiences of the average worker. Finally, the data on workers are from 2004 while those from the employers are from 2007 and the prevalence of such practices may have grown in the interim. That said, data from the 2005 National Study of Employers reveals patterns of workplace flexibility that are broadly similar to the results presented in the 2008 Study.

Table 1 shows ot her di fferences i n r eported w orkplace f lexibility by w orker characteristics. While one might expect that working women are more likely to report having a flexible schedule given family responsibilities, in fact, the data suggest that in 2004 men were slightly more likely to report having such flexibility than were women. In contrast, differences across r acial or ethnic status and e ducational attainment were s omewhat l arger. Whites and Asians w ere m ore l ikely t o report having w orkplace f lexibility compared t o Blacks a nd Hispanics.

| | Percentage with Flexible Work Hours |
|-------------------------|--|
| | |
| Full-time Workers | 28 |
| Men | 28 |
| Women | 27 |
| White | 29 |
| Black | 20 |
| Other Races | 27 |
| Hispanic | 18 |
| Less than HS Diploma | 15 |
| HS Diploma or Equiv | 21 |
| Some College | 28 |
| BA or Higher | 38 |
| Part-time Workers | 39 |

Table 1 Flexible Time by Race, Ethnicity, Sex, and Work Status

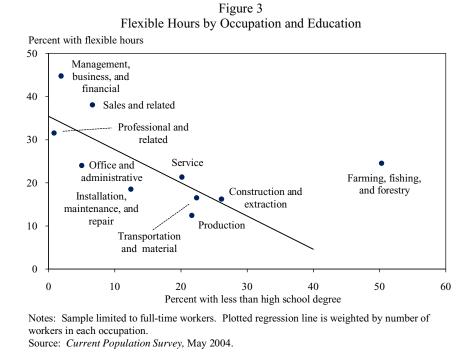
Notes: Sample excludes self-employed workers. White and Black refer to wor kers w ho id entified e xclusively with th at r ace, r espectively. Other Races includes all multiracial groups. Hispanics are coded using a separate question and may be any race. Full-time workers u sually worked 35 or more hours each week at their principal job (or usually worked 35 hours at all jobs if hours at their principal job varied), while part-time workers usually worked less.

Source: Current Population Survey, May 2004.

In ad dition, t hese d ata r eveal s ubstantial d ifferences i n t he p revalence o f f lexible schedules b y ed ucational attainment. Workers with a bachelor's de gree or higher were more than twice as likely to report having flexible work arrangements as were those with less than a high school diploma.¹⁸ Economists have focused on two explanations for this pattern. First, as discussed i n t he next s ection, f lexibility i s a form of c ompensation. Just as m ore ed ucated workers enjoy higher earnings and are more likely to have benefits such as employer-sponsored health care, they are also compensated with more flexibility. In addition, one study suggests that the nature and context of low-wage jobs—such as the need for around-the-clock coverage—may make giving flexibility to s ome low-wage workers m ore costly.¹⁹ To explore this i ssue m ore fully, Figure 3 shows the relationship between the percent of full-time workers in an occupation that have flexible schedules and the percent that do not have a high school degree. Occupations such as management and business and sales that have a high degree of flexibility also have a low percentage of workers with less than a high school de gree; workers in occupations with a low degree of flexibility, such as construction, also tend to have a high percent of workers with less than a high school degree.

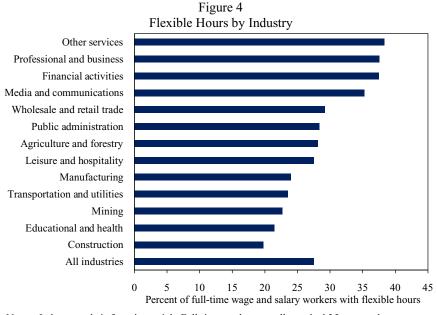
¹⁸ The *Current Population Survey* also s hows t hat workers in lower-income households r eport lower levels of flexibility.

¹⁹ Corporate Voices for Working Families (2006).



The C PS d ata al so r eveal s ubstantial cr oss-industry differences in the f lexibility o f scheduling. As shown in Figure 4, only about one-quarter of full-time workers in manufacturing reported ha ving t he f lexibility t o c hange t heir w orking hour s in 2004, c ompared t o a bout 40 percent of workers in the financial activities and professional and business services industries. These d ifferences m ay r eflect t he p otential d ifficulties t hat m anufacturing companies h ave i n adopting policies and practices that result in a more flexible workplace, a point further discussed at the end of this section.

8



Notes: Industry code is for primary job. Full-time workers usually worked 35 or more hours at principal job. Source: *Current Population Survey*, May 2004.

Flexibility in the Place of Work

Many jobs require an individual to be physically present at the worksite. For example, teachers, sales clerks, and assembly-line workers cannot fulfill many of their obligations from an off-site location. Managers and members of t eams may need face-to-face contact. For other workers, ho wever, a substantial fraction of their work c ould, in principle, be conducted from home or a satellite office. One study estimated that in 2 000 more than half of all jobs were amenable to te lecommuting, at least on a part-time basis,²⁰ and undoubt edly that fraction has increased since then as a result of the spread of high-speed internet and mobile technology.²¹

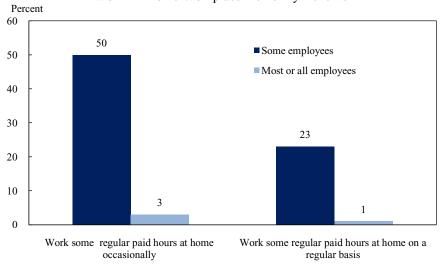
The *National Study of Employers* provides an opportunity to understand the extent to which e mployers have a dopted policies and practices t hat a llow f or f lexibility i n w here employees work. The difference between the share of firms that provided this dimension of flexibility to "some" workers versus "most or all" workers in 2007 is striking. For example, as shown in Figure 5, 23 percent of employers reported allowing some workers to work at home on a regular basis; only 1 percent of employers allowed most or all of their employees to do so. At the same time, it was more common for employers to report allowing employees to work from home occasionally.²²

²⁰ Potter (2003).

²¹ Smith (2002).

²² Bond, Galinksy, and Sakai (2008).

Figure 5 Percent of Firms Offering Either Some Employees or All or Most Employees Work-At-Home Workplace Flexibility Benefits



Note: Survey includes firms with over 50 employees. Source: 2008 National Study of Employers.

In this case, the reports of workers track those of employers as 11 percent of all paid wage and salary workers work from home at least once per week as part of their primary job. The r ates o f w orking from h ome w ere s imilar f or al 1 m en an d w omen. Self-employed individuals w ere f ar mo re lik ely to r eport working from hom e (48 pe rcent).²³ Overall, 15 percent of workers report working from home.

Flexibility in Number of Hours of Work

A t hird w ay employers pr ovide workplace flexibility is in the num ber of hours an employee works. F lexibility of this sort c an be further divided into practices that reduce the number of hours worked in a given week and those t hat allow employees to t ake leaves of absence (paid or unpaid).

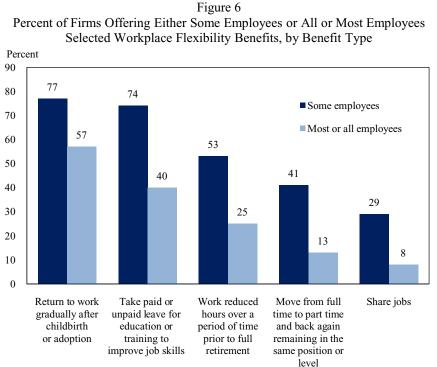
In 2007, 29 percent of employers reported allowing some workers to share jobs, and 41 percent reported allowing at least some individuals to move from full-time to part-time and back again while remaining at the same position or level. A smaller percent of firms allowed most or all e mployees to take advantage of these forms of flexibility. Interestingly, there h as b een relatively little change in the prevalence of these practices since 1998.²⁴

Allowing employees to take a leave of absence after an important life event also provides flexibility in the amount of work. Partially as a result of the Federal Family and Medical Leave Act (FMLA) of 1993, this form of flexibility is now widespread although it does not cover all

²³ CEA calculations based on the *Current Population Survey*, May 2004.

²⁴ Bond, Galinsky, and Sakai (2008).

workers.²⁵ Data from the Bureau of Labor Statistics' 2006 *Employee Benefits Survey* show that 82 pe rcent of a ll workers in the private s ector had access t o u npaid f amily l eave in 2007. Further, a s s hown in Figure 6, i n 2007 77 pe rcent of employers a llowed s ome w orkers t o gradually increase their hours after the birth or adoption of a child while 57 pe rcent allowed some or m ost e mployees t o do s o. Almost th ree-quarters o f e mployers p ermitted th eir employees to take paid or unpaid time away from work to improve their education or job skills. A majority of employers also allowed at least some workers to take extended career breaks.



Note: Survey includes firms with over 50 employees. Source: 2008 National Study of Employers.

Paid leave is a n important source of workplace flexibility, especially for workers who lack financial resources. The 2008 *National Study of Employers* suggests that roughly half of surveyed employers (47 percent) allowed most employees a few days off to care for mildly ill children without losing pay or having to use vacation days. Slightly more than half (56 percent) of employers reported giving female employees paid maternity leave. In most cases, however,

²⁵ The FMLA requires both Federal and private employers with more than 50 workers to provide up to 12 weeks of unpaid leave per employee each year. This leave must include access to health benefits. The employers must have worked for the employer for at least 12 months (not necessarily consecutive) and 1,250 hours within the past year. The FMLA can be used for the birth and care for a newborn or adopted child, care for an immediate family member with a serious health condition, medical leave for the employee herself, or in circumstances relating to an immediate family member's being called onto active duty as a member of the National Guard or Reserves. Evidence suggests that the FMLA increased leave coverage and usage but did not appear to have a significant negative effect on the wages and employment of women. See Waldfogel (1999). Note however, that the Act does not apply to workers at smaller firms, part-time workers, or employees that recently joined a firm. In addition, the FMLA does not extend to unmarried partners or same-sex couples, regardless of marital status, to care for their partners when they become ill.

the pay was less than an employee's typical pay; only 16 percent offered men paid time off after the birth of their child. However, paid vacation appears to be more common; data from the *Employee Benefits Survey* shows that 75 p ercent of workers had paid vacation, and 76 pe rcent received paid holidays in 2008.

Finally, as reflected in Figure 6, flexibility in the number of hours of work can ease the transition to retirement for older workers. In 2007 more than one-half of employers allowed at least some workers to phase into retirement by working reduced hours, and 25 pe rcent of the firms allowed most or all of their employees to do so. Other survey data also find that this form of flexibility is common. A ccording to a 2008 s urvey of more than 140 m id-sized and large employers by H ewitt A ssociates, 47 pe rcent of firms of fered s ome s ort of pha sed retirement arrangement in 2007, a lthough only 5 pe rcent have formalized phased-retirement programs.²⁶ These types of ar rangements are most common in the health care/social as sistance, education, and manufacturing sectors and at larger firms.²⁷

Not only do e mployers report offering these types of arrangements, but workers report using the b enefits. According to the Health and Retirement Study, in 2004 ne arly half of surveyed r etirees had engaged in s ome s ort of ph ased-retirement a rrangement p rior to f ully retiring and approximately one-in-eight workers between the ages of 63 and 73 engaged in some sort of p hased r etirement w ork ar rangement.²⁸ Most w orkers w ho pa rticipate i n pha sedretirement arrangements are below the traditional retirement age.²⁹

Other Forms of Workplace Flexibility

Perhaps the ultimate form of workplace flexibility is the evaluation of employees based on what they produce rather than the number of hours they work. This management practice, called " results-only w ork e nvironment" (or R OWE), a llows f or f lexibility along m ultiple dimensions because it permits workers to choose when, where, and for how long they work, as long as they are sufficiently productive. Clearly, this level of flexibility is not practical for all circumstances; f or ex ample, o ne l arge em ployer ad opted t hese p ractices f or h eadquarters employees but not for retail store employees. Moreover, in many cases, the output of workers is difficult to me asure d irectly. T hat s aid, a m anager i n o ne county government t hat ha s experimented with these practices concluded that "the county wins, the staff person wins, and it's a better balance."³⁰

In addition to R OWE, there are other practices that employers can a dopt to promote flexibility along many dimensions. The following case study shows how the Executive Office of the P resident (EOP) has us ed t elecommuting t o provide many forms of f lexibility to its employers.

²⁶ Hewitt Associates (2008).

²⁷ Workplace Flexibility 2010 (nd.b).

²⁸ Workplace Flexibility 2010 (nd.b).

²⁹ One study found that more than half of so-called "phasers" in 2004 were younger than 60 years old. (Sloan Work and Family Research Network (2009)). ³⁰ Kerrigan (2010).

BOX 2: TELECOMMUTING AND THE EXECUTIVE OFFICE OF THE PRESIDENT

Over the past several years, the EOP has increasingly used technology as a way of meeting the growing demands for flexibility of its employees. For several years, most EOP employees have used wireless devices to stay connected while off site, and recently, the EOP has begun a transition to full remote access. To date, more than half of all EOP employees have be en i ssued secure mobile workstation laptops, and all employees can connect to the network through the internet from any computer in the continental United States.

This flexibility also allows staff to access their official files from remote locations, helping employees balance work and family responsibilities. For example, some employees can leave work early to spend time with their children and work remotely in the evening. In addition, t his t echnology helps the g overnment operate ef fectively d uring em ergency situations. A s an example, in February of 2010, the Washington, D.C. area was blanketed with over 30" of snow over a 12-day period. The snow shut down major roads and transit systems in the area, preventing employees from reaching their offices safely. As a result, the Office of Personnel Management closed federal offices for four days, and yet more than 60 percent of EOP employees logged on remotely to continue their work. Workplace flexibility capability substantially r educes t he cost of s uch "shutdowns" t o t axpayers b y allowing employees to continue some of their work, even if they cannot reach the office. According to one e stimate, t he s now closures w ould or dinarily cost t he federal g overnment over \$100 million per day in lost productivity. By allowing federal employees to continue their work, however, telecommuting capabilities saved over \$30 million per day, for a total savings of more than \$150 million over the five snow closures in December 2009 and February 2010.

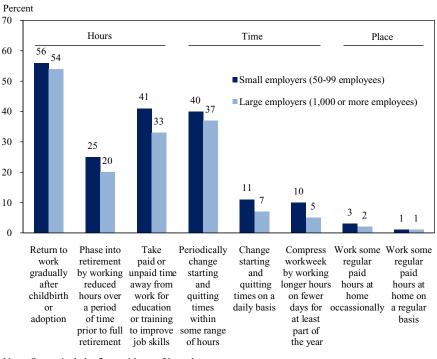
Small Businesses and Manufacturing

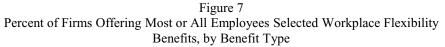
The discussion above makes clear that there is substantial heterogeneity across firms in terms of flexible workplace p olicies and p ractices. T wo t ypes of firms where many ar gue flexible policies are particularly difficult to implement (and thus likely to be less prevalent), are small businesses and manufacturing firms. For example, in response to a 2006 D epartment of Labor R equest for Information concerning the FMLA, one commenter a rgued that intermittent leave "is m ore b urdensome to a cal l center/manufacturing environment than to other t ypes of work that do no [t] need to be managed in the same way." A n HR a dministrator claimed that because manufacturing employers do not have employees who are cross-trained to work "…the production process is often slowed down or brought to a halt when an employee is out." Finally, a small business ow ner argued that the flexible w ork a rrangements in the F MLA put "undue financial p ressure" on his s mall b usiness.³¹ This s ubsection therefore examines workplace flexibility at small firms and manufacturing firms in more detail.

Small Businesses. Some argue that while flexible scheduling may work in large firms, each member of a small business's team can be critical to business operations, making it too costly to implement s uch p ractices. At the same time, one challenge with f lexible w ork schedules can be difficulty ensuring that workers are productive while they work from home.

³¹ Regulations.gov (2007).

Because managers and employees may interact more frequently at small firms, it may be easier for these firms to implement such practices and still be able to monitor a worker's productivity. Data from the *National Study of Employers* suggest that while some of these concerns may be valid, in fact as shown in Figure 7 below, small firms (50–99 employees) provide as much as or *more* flexibility to their employees as do large firms (1,000 and more employees).





Note: Survey includes firms with over 50 employees. Source: 2008 National Study of Employers.

We emphasize that this survey did not include employers with fewer than 50 w orkers. Other data suggest that for the smallest employers, leave policy is usually handled on a case-by-case basis.³²

Manufacturing. Figure 4 showed that in 2004, full-time workers in manufacturing were significantly less likely to have flexible work arrangements than were all full-time workers in the private sector. This difference may be due to technological difficulties that limit the amount of flexibility manufacturing firms can give their workers. For firms that rely on formal shifts,

³² Specifically, a s urvey conducted by the N ational F ederation of I ndependent B usiness R esearch F oundation in 2004 i ncludes i nformation from more than 750 f irms with fewer than 250 e mployees. N ational F ederation of Independent B usiness (2004). T his study found that the vast majority of employers (82 percent) handled requests for time off due to family or medical leave on a cas e-by-case basis. S mall businesses also typically did not have formal policies governing short absences for doc tor's appointments or p arent-teacher c onferences; 81 p ercent of firms also handled such requests on a cas e-by-case basis. Note however, because of the difficulty of accurately surveying very small firms, the results may not be nationally representative.

employees may not be able to leave at non-standard times without disrupting their colleagues. In addition, the on-site physical nature of many manufacturing jobs may make telecommuting impossible.

Despite t hese ch allenges, t here ar e at 1 east t wo s trategies t hat s ome m anufacturing companies ha ve us ed to i ncrease w orkplace f lexibility. First, s ome ma nufacturing f irms encourage w orkers to be t rained not only in their own tasks but a lso in the tasks of workers "upstream" and "downstream" from them. Increasing the breadth of training can help en sure that w orkers understand how their inputs were created and how their output will be used, and may contribute to increased productivity. This modern manufacturing practice has the benefit of ensuring that w orkers c an m ore effectively fill in or otherwise compensate for one another in case a worker cannot be present at a particular time.

As a nother strategy, some firms such as K raft Foods, discussed in the following box, have been able to use retired workers as a source of labor to help meet short-term labor demands created by workers' absences.³³

Box 3: KRAFT FOODS

In December 2002, Kraft Foods began a flexible work program called "Fast Adapts" for hourly employees and production supervisors who work in manufacturing facilities. Kraft is a multi-national food- and beverage-manufacturing company which, together with its many subsidiaries, employs tens of thousands of workers in the U.S. Most of its employees are hourly workers.

Kraft Foods began the Fast A dapts program in response to employee dissatisfaction, particularly among hourly workers, in its manufacturing plants who reported in surveys during 2001 and 2002 that the available flexible work options were not as useful to them as they were to professional workers. The program offers options for manufacturing workers to increase their w ork f lexibility in cluding s hift-swapping f or hour ly w orkers, s ingle-day va cations, employment o f hour ly retirees, t uition r eimbursement f or onl ine courses, a nd j ob s haring. Thus, w hereas b efore some employees had t o take va cation i n one-week i ncrements, t he single-day va cation pol icy allows e ven hou rly workers t o t ake one -day va cations. Also, employing r etirees t o c over w orker ab sences means t hat r egular workers are n ot al ways required to cover for co-workers by working overtime or weekends. All hourly workers are eligible for F ast A dapts if the policy is deemed conducive to the employees' specific w ork process, plant policy, or union contract. If not, there are options in place to create alternative flexible work solutions.

The directors of work/life initiatives at Kraft Foods feel that Fast Adapts is a success. A 2003 s urvey s howed i mprovement i n hour ly w orker's s atisfaction w ith w ork-life integration. The success of the program has been attributed to accountability and autonomy. Plant managers are held accountable for developing flexible work strategies, but they have the autonomy to create the arrangements that work best for their individual plants.

³³ Boston College Center for Work and Family (2004).

THE ECONOMICS OF WORKPLACE FLEXIBILITY

Employers that have ad opted flexible workplace practices cite many economic benefits such as reduced worker absenteeism and turnover, improvements in their ability to attract and retain workers, and other positive changes that translate into increased worker productivity.³⁴ But, w orkplace f lexibility has c osts a s w ell. F or e xample, the associated fixed c osts of recruiting, training, and monitoring an employee can raise the cost of hiring a worker part-time rather than full-time. In addition, s ome projects that have short deadlines and that c annot be easily divided make it costly to not have an employee working full-time. In fact, a lmost one third of firms cite c osts or limite d funds as o bstacles to implementing workplace flexibility arrangements.³⁵

This section discusses the small but growing research literature assessing the impact of flexible workplace practices on workers and employers before laying out an economic rationale for why wider adoption of such practices could be good for the American economy.

The Empirical Evidence on the Economic Impacts of Flexible Workplace Practices

Worker c ompensation h as m any components, s uch a s w ages, he alth a nd r etirement benefits, sick leave, and vacation time. A nd employers have discretion over which benefits to provide their employees, resulting in differing compensation "packages." There is evidence that workers take i nto acco unt the e ntire c ompensation pa ckage—and not onl y w ages—when considering job of fers. For example, it has b een w ell e stablished that workers m ust be pa id higher w ages t o a ccept j obs w ithout he alth i nsurance, pa rtly t o he lp pa y f or t heir he alth expenses.³⁶ Similarly, workers who have little workplace flexibility require higher wages to help pay for services such as emergency child care and elder care.³⁷ Given that workers consider the entire compensation p ackage, i f t he v alue t o em ployees o f flexible ar rangements ex ceeds t he costs o f p roviding them to the e mployer, flexibility is a cost-effective t ool f or at tracting and retaining workers.

Unfortunately, quantifying the costs and benefits of these a rrangements is challenging. It is clear that employees place high value on flexibility. A study of more than 1,500 U .S. workers reported that nearly a third considered work-life balance and flexibility to be the most important factor in considering job offers.³⁸ In another survey of two hundred human resource managers, t wo-thirds c ited f amily-supportive policies and flexible hours a st he s ingle m ost important factor in a ttracting and retaining employees.³⁹ And while we do not have direct estimates on the cost of providing flexible workplace arrangements, costs associated with other workplace outcomes can provide some insights into the likely net benefit for employers in the form of reduced turnover, lower costs for recruitment, reduced absenteeism, and more productive workers.

³⁴ A Better Balance (2008); Corporate Voices for Working Families (2005).

³⁵ Bond, Galinsky, and Sakai (2008).

³⁶ Council of Economic Advisers (2010).

³⁷ Baughman, DiNardi, and Holtz-Eakin (2003).

³⁸ Hudson Highland Group, Inc. (2008).

³⁹ Williams (2001).

Do Flexible Work Arrangements Reduce Turnover and Help Recruitment? Recruitment a nd r etention a re s o i mportant t o employers be cause t he costs as sociated with turnover—both direct and indirect—can be high. When an employee leaves a firm, frequently he or she must be replaced. Recruiting can include costs such as advertising for the position, time interviewing, a gency and s earch f irm f ees, r eferral b onuses, h iring a c ompany recruiter, and relocation assistance. In addition, when a worker separates from a firm, he or she takes with him or her firm-specific knowledge (such as how to manage a computer program that is used only by that firm).⁴⁰ Such losses are likely to be especially costly for firms that extensively train their workers with s uch "f irm-specific" s kills.⁴¹ In addition, ma nagers r eport th at a competitive compensation package (which could include flexible work schedules) is especially important for retaining p articularly p roductive w orkers who are a t r isk of receiving c ompeting of fers o f employment from other firms.⁴²

Combined, these c osts c an be c onsiderable. F or example, one study found that hiring costs account for more than \$2,500 per hire in large firms, or approximately 3 percent of total annual labor costs for a full-time equivalent worker.⁴³ Another study argues "visible" costs such as a dvertising and or ientation c osts a ccount for only 10-15 percent of total turnover costs of making a hire.⁴⁴

With such considerable costs to recruiting new workers, employers have an incentive to find ways to recruit those likely to remain with the firm for some time and to find cost-effective ways to retain them. For such reasons, flexible work practices can potentially pay for themselves if they help a company reduce turnover or increase recruitment.

There are s everal w ays t hat f lexible w ork ar rangements can h elp r educe t urnover. Workers with m ore flexible arrangements report higher levels of j ob satisfaction, m ore loyalty and commitment to their employers, and "high likelihood[s]" of remaining with their employers for the following year.⁴⁵ Flexible work arrangements can also decrease turnover by encouraging individuals to remain working at a firm even after a major life event such as the birth of a child.⁴⁶

The research on the impact of flexible workplace practices on turnover is small.⁴⁷ Case studies of f irms s uch a s t he D etroit R egional C hamber of C ommerce, hi ghlighted i n t he following box, provide qualitative insights into perceived benefits.⁴⁸ In addition, larger studies of the e ffect of p olicies that a llow n ew p arents to take p aid time a way from w ork on the employment and wages of workers find that such arrangements encourage new parents to stay in

⁴⁰ Becker (1964); Mincer (1974); Lazear (2003).

⁴¹ It is not surprising, therefore, that researchers have documented that firms that provide on-the-job training (for firm-specific skills) for their employees aim for lower rates of voluntary turnovers (Pencavel, 1972).

⁴² Salop and Salop (1976); Weiss (1980).

⁴³ The study included more than 300 large organizations. Data referred to the 2007 calendar year. The average size of t he c ompany in the r eport ha s annual r evenue of \$5. 7 bi llion a nd roughly 17, 000 e mployees. S ee PricewaterhouseCoopers LLP. (2009).

⁴⁴ See Baughman, DiNardi, and Holtz-Eakin (2003).

⁴⁵ See Gerhardt (2001) for references for studies that link satisfaction with retention.

⁴⁶ Baum (2003).

⁴⁷ The literature on the impact on recruitment is even smaller since one needs to know about those individuals who were not hired.

⁴⁸ Sloan Work and Family Research Network (2005b).

the labor force.⁴⁹ In a survey of 120 r andomly-selected employers in New York, e conomists found that those that offered flexible sick leave and child care assistance had significantly lower rates of turnover.⁵⁰ Other studies report that firms with more flexible te lecommuting practices had lower turnover.⁵¹

Box 4: FLEXIBLE WORK ARRANGEMENTS AND TURNOVER AND RECRUITMENT: THE EXPERIENCE OF THE DETROIT REGIONAL CHAMBER

The D etroit R egional Chamber, t he chamber of commerces erving S outheast Michigan, has a tailor-made flexible work schedule program for its highly-skilled workers. The flexible work program was originally implemented as a way to recruit and retain talented workers. Between 10 percent and 15 percent of employees have a standard flexible schedule that i nvolves c oming i n and l eaving the office earlier than nor mal bus iness hour s w ould permit. O ther flexible work opt ions i nclude r educed l unch hour s i n e xchange f or e arly departure time, t elecommuting, a nd e ven pa rt-year s cheduling. T he C hamber arranges flexible work options based on i ndividual needs as long as they do not interfere with work objectives.

Since its implementation in 2000, retention rates have increased from 75 percent to an average of almost 90 percent. Turnover rates are significantly lower than rates across the southeast M ichigan region. F urthermore, e mployee t estimonials show that the w orkplace flexibility is highly valued by current and prospective employees.

Do Flexible Work Schedules Reduce Absenteeism? Worker absenteeism can be costly to a f irm b y creating uncertainty over the workforce s ize and composition that a m anager can expect on a ny given day. In companies where multiple workers perform similar tasks, workers can help compensate for one of their missing colleagues. In smaller firms or firms where each worker's job is different and critical to a company's mission, however, unplanned absences may be especially costly if e ach member of a team is important for the firm's output. O ne report suggests that "just not wanting to go to work" that day was enough to keep 34 percent of workers from s howing up at l east o nce a year.⁵² One s tudy es timated t hat em ployee s tress d ue t o concerns a bout ba lancing obl igations w ith c hildren a nd w ork l eads t o hi gher r ates of absenteeism, with absenteeism costs to bus inesses ranging from \$496 t o \$1,984 per employee per year.⁵³

Although some absences are inevitable, existing evidence suggests that smart workplace arrangements can r educe t hem. For example, the few studies that followed workers as t hey switched between firms that offered a flexible work schedule (such as work-at-home options) to those that did not have found that workers tended to miss work more in the new firms.⁵⁴

⁴⁹ Ruhm (1998).

⁵⁰ Baughman, DiNardi, and Holtz-Eakin (2003).

⁵¹ See Yasbek (2004) and Computer Economics (2008).

⁵² Ferrara (2009).

⁵³ Corporate Voices for Working Families (2004).

⁵⁴ Dionne a nd D ostie (2007). F or ot her e vidence, s ee Y asbek (2004); C omfort, J ohnson, a nd W allace (2003); Akyeampong (2001).

Perhaps t he m ost c ompelling s tudy o f t he i mpact of f lexible w ork s cheduling o n absenteeism comes from within a single large public utility that temporarily adopted a flexible work schedule in one of its sub-units while retaining standard scheduling for other sub-units.⁵⁵ As s hown i n F igure 8, pr ior t o t he pr ogram, t he a verage r ates of a bsenteeism w ere r oughly similar between the sub-unit that was offered a flexible work schedule and those that were not. In the year after the program was adopted, the sub-unit with a flexible schedule reported a more than 20 percent reduction in absences, with the absenteeism rate in the other sub-units essentially unchanged. M oreover, when the c ompany r everted back to standard scheduling for all of the sub-units considered after a one-year trial, the rates of absenteeism of the two groups of sub-units became, once again, similar.

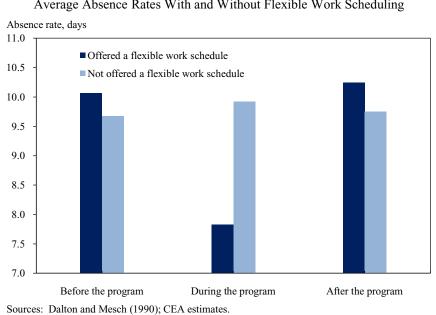


Figure 8 Average Absence Rates With and Without Flexible Work Scheduling

As a r ough es timate, t hese r esults, if th ey generalize to o ther f irms, s uggest th at wholesale adoption of flexible workplace schedules could save about \$15 billion a year.⁵⁶

Do Flexible Work Schedules Improve Health? A growing literature links job stress to poor health (such as chronic hypertension and heart disease).⁵⁷ And researchers are increasingly

⁵⁵ Dalton and Mesch (1990). For this company, flexible work scheduling meant allowing workers to distribute their working hours during the day without changing the total numbers worked in a day.

⁵⁶ Nicholson et al. (2005) estimate that the annual cost of workforce absences due to illness was \$74 billion. If workplace flexibility r educes ab sences by 2 0 p ercent and i f al l o f t his r eduction translates i nto l ower co sts for employers, the implied savings due to flexibility are almost 15 billion a year. Note, however, that this estimate includes only absences due to illness, so the total cost due to all absences is likely to be higher. At the same time, there are several reasons why the estimate of cost savings may be too large. Most importantly, the results from the intervention that reduced absences by 20 percent may not generalize to other firms. In addition, the estimates of the annual cost of absences due to illness calculated by Nicholson et al. (2005) may overstate the true cost.

⁵⁷ See Mann (2006) for a literature review. As noted by Mann, this literature is not well-settled. More research could help determine the importance any relationship between job stress and health.

linking poor worker health to poor economic outcomes, such as lower productivity and slower economic g rowth.⁵⁸ As a r esult, it is n ot s urprising t hat r ecent studies e stablish a p ositive relationship between flexible workplace arrangements and worker health.⁵⁹

The most c ompelling e vidence c omes from a workplace i ntervention c onducted at 12 Midwestern grocery stores. The r esearchers at Michigan S tate University and P ortland S tate University f ound t hat w orkers s upervised b y f amily-supportive m anagers r eported improved physical and mental h ealth.⁶⁰ A s econd s tudy conducted b y researchers at the U niversity o f Minnesota f ound t hat a workplace i ntervention t o allow e mployees greater c ontrol over t heir work time resulted in employees being less likely to say that they felt obliged to come to work when they were sick, or to not see a doctor even though they felt they should. The intervention also r esulted i n i mproved s leep qua lity, i ncreased e nergy, and r educed ps ychological s tress among employees.⁶¹

Do Flexible Work Schedules Improve Productivity? An important question is whether flexible w ork-life arrangements i ncrease worker p roductivity. Several s tudies doc ument a positive r elationship be tween workplace flexibility and w orker p roductivity.⁶² The t wo c ase studies in boxes, be low, explore this relationship.⁶³ One documents the productivity increases experienced b y a b ank after r estructuring its s cheduling p olicies. The o ther d escribes h ow a telecommuting pr ogram i ncreased t he pr oductivity for a 1 arge t echnology c ompany. A mechanism through w hich m ore flexible w orkplace p ractices m ay en hance p roductivity is b y allowing firms to recruit and retain the best workforce.⁶⁴ In a larger study of over 700 firms in the U nited S tates, United K ingdom, France a nd G ermany, r esearchers f ound a s ignificant positive r elationship be tween w ork-life b alance practices and t otal factor p roductivity.⁶⁵ The

⁵⁸ See, f or e xample, D avis e t a l (2005); C ouncil of E conomic A dvisers (2009b); Bloom and C anning (2005). Research has also explored the link between good health on the one hand and more productive employees and lower turn-over on the other. For example, data from the *National Study of the Changing Workforce* show that 35 percent of employees who say their overall health is "excellent" are highly engaged on the job, compared to 23 percent of those who say they are in "poor" overall health. Similarly, 68 percent of employees who say they are in "excellent" health report that they are "not at all likely" to leave their job, compared to just 45 percent of employees who say they are in "poor" health (Aumann and Galinsky, 2008). Again, this research suggests that workplace flexibility policies that improve employee health can provide substantial economic benefits for the employer.

⁵⁹ See, for example, Grzywacz, Casey, and Jones (2007); A Better Balance (2008).

⁶⁰ Work, Family, & Health Network (2008a).

⁶¹ Work, Family & Health N etwork (2008c). A nother study conducted at the H arvard S chool of P ublic H ealth which looked at the relationship between a range of workplace policies and informal practices and health outcomes in four extended-care facilities in Massachusetts found that employees exposed to managers with low creativity and lack of openness to work-family issues were more likely to have cardiovascular disease risk factors (Work, Family, & Health Network, 2008b). Finally, a study conducted by researchers at Pennsylvania State University found that on days when hotel workers reported an interpersonal stressor at work, children reported spending one less hour than usual with their parent (Work, Family & Health Network, 2008d).

⁶² Anecdotal evidence also points to this conclusion. For example, an employee at Texas Instruments, a company that has given its employees more flexibility, said that "workplace flexibility has enabled me to improve[her] focus and performance."

⁶³ Georgetown University Law Center (2010). Sloan Work and Family Research Network (2005a).

⁶⁴ For example, K onrad and Mangel (2000) note that, among professionals, work-life conflicts tend to arise when employees r each their p eak p roductive years in their 3 0s and 4 0s. T hus, the workers who most need work-life balance policies could also be the most productive.

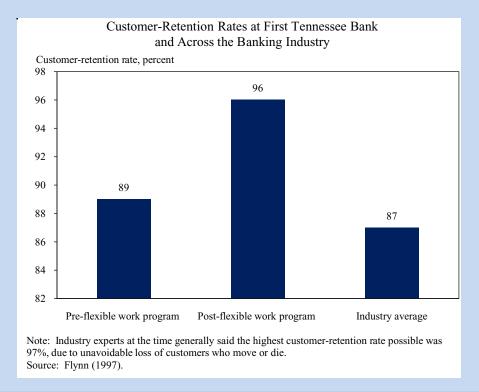
⁶⁵ Bloom, Krestchmer and Van Reenen (2006). This same study contains a reference to a large number of papers that document a positive correlation between flexibility and outcomes like productivity.

authors believe that this correlation could be driven by a third factor—good management. Wellmanaged firms both have higher productivity and tend to embrace flexible workplace practices. Importantly, the study finds no evidence that workplace flexibility harms productivity.

BOX 5: FLEXIBLE SCHEDULES AND WORKER PRODUCTIVITY: THE CASE OF FIRST TENNESSEE BANK

One ex ample o f a company u sing flexible work ar rangements t o increase worker productivity is First Tennessee Bank (FTB). FTB, a financial services company with banking sites in several Southeastern states, first implemented a flexible work program in 1992. The program replaced p revious company-wide a ttendance policies, allowing m anagers a t individual banks t o de cide a ttendance and s cheduling rules. Part-time work opt ions were available to any employee who h ad been at the bank at least one year, and these workers could reduce their hours to as few as 20 per week while retaining benefits.

The F TB f lexibility p rogram has b een successful in i ncreasing pr oductivity at the bank. In 1997, customer retention was 96 percent at FTB, compared to an industry average of 87 percent. T his may have been due to changes in the accounts-reconcilement department following implementation of a workplace flexibility program. The department restructured its schedule to include 12 hour days at the beginning of the month in return for time off at the end of the month, and as a result the amount of time it took the group to reconcile an account fell from 8 days to 4. This productivity increase resulted in a 50 percent increase in customer quality responses. The following figure shows this gain in productivity.



BOX 6: CISCO SYSTEMS

In 1993, C isco S ystems, a l arge multinational internet ne twork pr ovider, began a formal telecommuting program for managers and employees.

Cisco's telecommuting program was one of the first among Silicon Valley companies. It be gan out of the ne ed to be tter or ganize the company's global workforce. Since many workers travel, it became necessary to enable them to work remotely. The program allows employees to work from home or keep flexible hours by using broadband technology to work in remote locations. The company does n ot necessarily require a s et s chedule as long as employees accomplish work objectives within appropriate time frames. More than 90 percent of em ployees currently t elecommute at least s ome of the time using residential broadband services.

Cisco's flexible work arrangement has resulted in cost savings for the company. In 2003, it saved \$195 million due to increased worker productivity. The company believes that telecommuting allows workers to be more focused and dedicated to their jobs. In addition, the telecommuting system allows the company uninterrupted access to mission-critical resources in the event of severe inclement weather. The company also hopes to save on rental costs, given its locations in many high rent business districts. Workers appreciate the flexibility the company o ffers. Anecdotal ev idence s uggests i t h elps i n r ecruiting employees, s ince t he company is seen as a good place to work. In 2010, Cisco ranked number 16 on Fortune's 100 Best Companies to work for.

The Economic Case for Wider Adoption of Flexible Workplace Practices and Policies

The evidence cited above strongly suggests that workers clearly gain from workplace flexibility. They are happier, healthier, and more likely to remain with a firm that grants such flexibility.

As f or w hether s uch p olicies and p ractices r esult i n i ncreased f irm p rofits, g enerally speaking, there are three possibilities (assuming perfectly competitive markets and that managers are well informed about the costs and benefits of a flexible workplace). One is that the costs of the arrangements outweigh the benefits such that firm profits fall. In this case, we would not anticipate that firms would embrace such arrangements. A second possibility is that the benefits and costs are such that firms' profits are unchanged by a move to flexibility. In this case firms are l ikely t o b e i ndifferent a bout the adoption of a flexible workplace, but m ight be op en t o persuasion by workers or other interested parties. The third possibility is that the net benefits are such that firms also gain from workplace flexibility. In this case, simple economics suggests that we should see such policies and practices adopted.

An innovative pa per attempting to s tudy th e imp act o n f irm p rofits tracked t he announcements o f ne w work-life b alance p olicies (such as d ependent care or flexible w ork arrangements) by Fortune 500 c ompanies in *The Wall Street Journal*. It found that on a verage, firms' stock prices rose 0.36 percent on the days following announcements of work-life balance initiatives.⁶⁶ Such evidence indicates that flexible practices boost investors' perceptions of the

⁶⁶ Arthur (2003).

value of a firm, which may derive from their beliefs about the impact of the policies on worker productivity.

And yet, many firms have not adopted such practices. As documented earlier, less than one-third of full-time workers report having access to flexible work hours. If these practices generate such large economic benefits for both workers and firms, why don't more workers have access to them?

One possible explanation is that the relative costs and benefits of these practices differ across and within firms. F or example, employers in the financial services industry may find it possible t o a llow employees t o w ork oc casionally from hom e, while food s ervice companies would likely find such practices infeasible. Economic theory suggests that the firms with the greatest (net) gains t o a dopting flexible practices should be a mong the first t o embrace them. Existing studies of the effect of flexible arrangements come from firms that have already adopted these practices. Therefore, the evidence presented ab ove m ay o verstate the economic b enefits that firms t hat ha ve not yet a dopted f lexible ar rangements would en joy. Moreover, from a strictly economic perspective, if firms maximize profits, those that find such policies improve their profitability would adopt them while those that find them too costly would not. In this case, there would be no economic gains to additional firms adopting such policies.

That s aid, there is s till an e conomic r ationale for why a dditional firms and t he U.S. economy could benefit from wider adoption of flexible workplace practices. There is a growing literature that s uggests not a ll f irms a dopt the most e fficient p ractices, es pecially i n l ess competitive in dustries. For example, in the manufacturing sector where productivity is more easily quantified (and even in the context of professional football), managers of firms sometimes appear to fail to make the best choices.⁶⁷ Economists argue that one factor that may contribute to the incomplete adoption of the best management practices is lack of information.⁶⁸ Due to the changing n ature of the l abor force, it is likely that the best practices from years ago do not provide enough flexibility for today's workforce.⁶⁹ Just as U.S. automotive firms took years to embrace lean manufacturing despite the practice's documented improvements in productivity,⁷⁰ firms today may be failing to adopt flexible arrangements. In this case, encouraging supervisors at firms to reevaluate their management practices in light of the evolving demands of workers can make both the firm and the workers better off. One way to help is for companies to establish "right to request" policies which lay out the circumstances and procedures by which workers can ask their supervisors to consider altering their work a rrangements to me et their n eeds for flexibility.

A second justification for promoting work-life balance is that flexible practices may help society i n w ays t hat a re not t aken i nto a ccount b y e ither a n employer or employee (what economists call "social benefits"). For several reasons it is possible that these social benefits are

⁶⁷ Romer (2006); Bloom and Van Reenen (2010). See also Levitt (2006); Cho and Rust (forthcoming), Bloom, Kretschmer, and Van Reenen (2006); and Yasbek (2004).

⁶⁸ Bloom and Van Reenen (2010).

⁶⁹ Griliches (1957), Cohen and Levinthal (1990), and Levitt and March (1988), among many others, also develop models where a firm's adoption of a new technology is not immediate. See also Nelson and Winter (1982).

⁷⁰ Bloom and Van Reenen (2010).

larger than the private ones. For example, some economic models have emphasized that firms may be reluctant to offer benefits packages that are particularly attractive to workers for whom the b enefits are most costly to provide. T he classic example is generous h ealth i nsurance packages which may attract the sickest workers. If a similar d ynamic operates with flexible workplace arrangements, then too few employers may offer such arrangements and those that do will pay a higher cost.⁷¹ If more firms offer flexible workplace arrangements, the cost for all will decline, allowing more workers to benefit from the increased flexibility.

In a ddition, on average adopting flexible p ractices lik ely encourages l abor f orce participation among those workers that would otherwise find it too "costly" to work or invest in workplace skills.⁷² Taxpayers and society as a whole benefit from having productive individuals in the workforce because they are more likely to make contributions in the form of taxes (and conversely a re l ess l ikely t o u se t he s ocial s afety n et). A s a nother s ocial be nefit, a llowing workers to w ork during a typical hour s can reduce the commuting time for other workers that may not be taken into account by a profit-maximizing manager.⁷³ One study found that in 2005, peak-period drivers spent 38 e xtra hours a year in traffic as a result of highway congestion, up from 14 hour s in 1982.⁷⁴ Moreover, over a third of drivers report that traffic congestion is a serious problem in their community.⁷⁵

Given the changing nature of the U.S. workforce, the tendency for some firms to fail to update their workplace practices, and the potential for benefits to society as a whole, many firms may find embracing more flexible work helps their workers, their bottom line, and the country as a whole.

CONCLUSION

The non-work responsibilities of the typical American worker have changed dramatically over the past 50 years, largely as a result of the entrance of women to the workforce in large numbers. While four decades ago women spent much more time performing nonmarket work taking care of children and o lder family members, and k eeping an o rganized and efficient home—and m en primarily performed m arket w ork, more r ecently the household di vision of labor has blurred. As a r esult, the fraction of children raised in households where all of their parents work full-time has nearly doubled, and the percentage of full-time w orkers w ho are

⁷¹ Summers (1989) explains this as an example of asymmetric information. Suppose that providing the benefit is costly and that a f irm does not have accurate information about an individual's probability of using the benefit. When a firm offers a benefit it attracts the workers who value it most. If the benefit is most costly to provide to these workers, the cost to the firm of offering the benefit will increase. The cost would be lower if all firms offered the same benefit. (Levine (1991) provides a related argument). Evidence on the magnitude of this effect in the context of flexible work arrangements is limited (see Yasbek (2004) for some evidence), but in other contexts there is clear evidence that asymmetric information is economically important (Cutler and Reber, 1998).

⁷² Goldin (2006) has documented links between changes in women's expectations about future careers and increases in women's human capital investment. Similarly, the adoption of flexible practices may cau se women to invest more in preparation for their careers. Klerman and Leibowitz (1999) explore the short-run effects of work place flexibility on the labor force patterns of new mothers.

⁷³ Walters (1961).

⁷⁴ Lomax and Schrank (2007).

⁷⁵ Deshpande and Elmendorf (2008).

parents in full-time working families has increased substantially. And because their parents are living longer, an increasing number of workers also find that they must make time to care for them as well. As a result, many workers report d ifficulty juggling their work and family responsibilities.

Many employers have adapted to the changing realities of American workers. Overall, over one-half of employers report allowing at least some workers to periodically change their starting and quitting times; however fewer than one -third of full-time workers report having flexible work hours, and only 38 percent of part-time workers do. This discrepancy between the employer and employee reports may be due to differences in the data collection, but it may also reflect that more employers would be willing to accommodate the needs of individual workers but their workers are not aware of it. The flexibility to regularly work from home appears even less common: only about 15 percent of all workers report working from home at least once per week. Finally, most employers offer at least some workers the ability to return to work gradually after a m ajor l ife e vent s uch a s a c hildbirth or a doption, a lthough j ob s haring a ppears l ess widespread.

As in all business decisions, critical factors in a doption are the costs and benefits of a program. Indeed, almost one -third o f f irms c ite c osts o r limite d f unds a s o bstacles to implementing workplace flexibility arrangements. At the same time, these practices can reduce turnover a nd improve recruitment, i ncreasing t he pr oductivity of an e mployer's workforce. These practices are also associated with improved employee health and decreased absenteeism, a major cost for employers. Although the literature has identified potential benefits along a variety of dimensions, the costs and benefits of adopting flexible arrangements differ across firms and industries and employers of different sizes.

Nonetheless, t here a re several r easons t o s uspect t hat w ider a doption of w ork-life practices m ay b enefit em ployers and w orkers. First, some employers may n ot have adopted these policies s imply b ecause t hey o verestimate t he di fficulty and cost of doing s o and a re unaware of potential benefits. In addition, should more firms adopt such practices the benefits to society, i n t he form o f reduced traffic, i mproved e mployment out comes, a nd m ore efficient allocation of w orkers t o e mployers, m ay b e greater t han t he gains t o i ndividual f irms a nd workers.

A f actor s eriously hi ndering our d eeper understanding of t he be nefits a nd c osts of flexibility is a lack of data. The largest detailed survey of employers reflects practices from three years ago and does not contain information for the smallest firms; nationally-representative data from workers are six years old and only provide limited understanding of the prevalence of flexible p ractices. More i mportantly, e vidence on t he e ffects of flexibility on w orker productivity, a bsenteeism, t urnover, a nd he alth i s l imited. While t he ex isting ev idence h as established that there is a strong connection between flexibility and productivity, research that explores the m echanism t hrough w hich f lexibility i nfluences w orkers' job s atisfaction a nd a firm's profits would better inform policy makers and managers alike.

Although the lite rature is small, the best available evidence suggests that encouraging more firms to consider a dopting flexible practices can potentially boost productivity, improve

morale, and benefit the U.S. economy. Especially at this time as the U.S. rebuilds after the Great Recession, it is critical for the 21^{st} century U.S. workplace to be organized for the 21^{st} century workforce.

REFERENCES

- A Better Balance. 2008. "The Business Case for Workplace Flexibility." March. New York, NY.
- Aguiar, Mark, and Erik Hurst. 2007. "Measuring Trends in Leisure: The Allocation of Time Over Five Decades." *Quarterly Journal of Economics* 122, no. 3: 969-1006.
- Akyeampong, E. 2001. "Fact Sheet on Work Absences Perspectives on Labour and Income." Ottawa, ON: Statistics Canada.
- Arthur, Michelle. 2003. "Share Price R eactions to Work-Family Initiatives: An Institutional Perspective." Academy of Management Journal 46, no. 4: 497-505.
- Aumann, Kerstin, and Ellen Galinsky. 2008. "The State of Health in the American Workforce: Does Having an Effective Workplace Matter?" 2008 National Study of the Changing Workforce. New York, NY: Families and Work Institute.
- Baughman, Reagan, Daniela DiNardi, and Douglas Holtz-Eakin. 2003. "Productivity and Wage Effects of 'Family-Friendly' Fringe Benefits." *International Journal of Manpower* 24, no. 3: 247–59.
- Baum, Charles. 2003. "The Effects of Maternity Leave Legislation on Mother's Labor Supply after Childbirth." *Southern Economic Journal* 69, no. 4: 772–99.
- Becker, Gary S. 1964. Human Capital. Chicago, IL: University of Chicago Press.
- Blatter, Marc, Samuel Mühlemann, and Samuel Schenker. 2009. "The Costs of Hiring Skilled Workers." Working Paper 15. Zurich, Switzerland: Swiss Leading House (November).
- Bloom, David E., and David Canning. 2005. "Health and E conomic G rowth: R econciling the Micro and Macro Evidence." W orking Paper 42. Stanford, CA: S tanford Institute on International Studies CDDRL (February).
- Bloom, N ick, T obias K restchmer, a nd J ohn V an R eenen. 2006. "Work-Life B alance, Management P ractices a nd P roductivity." C entre f or E conomic P erformance, London School of Economics.
- Bloom, Nick, and John Van Reenen. 2010. "Why Do Management Practices Differ ac ross Firms and Countries?" *Journal of Economic Perspectives* 24, no. 1: 203–24.
- Bond, James, Ellen Galinsky, and Kelly Sakai. 2008. "2008 National Study of Employers." New York, NY: Families and Work Institute.

- Boston College Center for Work and Family. Carroll School of Management. 2004. "Increasing the Visibility of the Invisible Workforce: Model Programs for Hourly and Lower Wage Employees."
- Cho, Sungjin, and John Rust. Forthcoming. "The Flat Rental Puzzle." *The Review of Economic Studies*.
- Cohen, Wesley, and Daniel Levinthal. 1990. "Absorptive Capacity: A New Perspective on Learning and Innovation." *Administrative Science Quarterly* 35: 128–152.

Comfort, Derrick, Karen Johnson, and David Wallace. 2003. "Part-time work and

- Family-Friendly Practices in Canadian Workplaces." *The Evolving Workplace Series*. Ottawa, Canada: Statistics Canada and Human Resources Development Canada (June).
- Computer E conomics. 2008. "Telecommuting Policies C an L ower IT E mployee T urnover." Irvine, CA.
- Corporate Voices for Working Families. 2004. "After School for All: A Call to Action from the Business Community." March. Washington, D.C.
- ———. 2005. "Business Impacts of F lexibility: A n Imperative f or E xpansion." J uly. Washington, D.C.
- ——. 2006. "Workplace Flexibility for Lower Wage Workers." October. Washington, D.C.
- Council of E conomic A dvisers. 2009a . "Preparing t he W orkers of T oday for t he J obs of Tomorrow."

——. 2009b. "The Economic Case for Health Care Reform."

- ———. 2010. "Exploring the Link Between Rising Health Insurance Premiums and Stagnant Wages."
- Cutler, D avid M., and Sarah J. R eber. 1998. "Paying for H ealth Insurance: T he T rade-Off Between Competition and Adverse Selection." *Quarterly Journal of Economics* 113, no. 2: 433–66.
- Dalton, Dan R., and Debra J. Mesch. 1990. "The Impact of Flexible Scheduling on Employee Attendance and Turnover." *Administrative Science Quarterly* 35, no. 2: 370–87.
- Davis, Karen, et al. 2005. "Health and Productivity Among U.S. Workers." New York, NY: The Commonwealth Fund (August).
- Dionne, G eorges, a nd Benoit D ostie. 2005. "New E vidence on t he D eterminants o f Absenteeism U sing L inked E mployer-Employee D ata." W orking P aper 05-21. Montreal, QC: CIRPÉE (June).

- Department of Education (National Center for Education Statistics). 2009. *Digest of Education Statistics*, 2008 (NCES 2009-020), Table 190.
- Deshpande, Manasi, and Douglas W. Elmendorf. 2008. "An Economic Strategy for Investing in America's Infrastructure." S trategy P aper. W ashington, D.C.: B rookings Institution (July).
- Ferrara, Jason. 2009. "One-Third of Workers Play Hooky." CareerBuilder (January 26).
- Gerhardt, Jr., Paul L. 2001. "Employee Retention Through Job Satisfaction." Tacoma, WA.
- Georgetown University Law C enter. 2010. "Flexible W ork A rrangements: S elected C ase Studies."
- Goldin, C laudia. 2006. "The Q uiet R evolution T hat T ransformed W omen's E mployment, Education, and Family." American Economic Review, Papers and Proceedings 96: 1– 26.
- Greenwood, Jeremy, Ananth Seshadri, and Mehmet Yorukoglu. 2005. "Engines of Liberation." *The Review of Economic Studies* 72, no. 1: 109–33.
- Griliches, Zvi. 1957. "Hybrid corn: An Exploration in the Economics of Technological Change." *Econometrica* 25, no. 4: 501–522.
- Grzywacz, Joseph G., Patrick R. Casey, and Fiona A. Jones. 2007. "The Effects of Workplace Flexibility on Health Behaviors: A Cross-Sectional and Longitudinal Analysis." *Journal* of Occupational and Environmental Medicine 49, no 12: 1302–09.
- Hewitt A ssociates. 2 008. "Retiring Boomers Prompt Increased Employer Interest in Phased Retirement P rograms, A ccording t o H ewitt S urvey." Lincolnshire, IL, J uly 30 (http://www.hewittassociates.com/Intl/NA/en-US/AboutHewitt/Newsroom/PressReleaseDetail.aspx?cid=5451).
- Hudson Highland Group, Inc. 2008. "In the Game of Hiring, Flexible Employers Win." New York, NY.
- Johnson, Jean, et al. 2009. "With Their Whole Lives Ahead of Them." New York, NY: Public Agenda.
- Jones, Chad. 2002. "Sources of U.S. E conomic G rowth in a World of Ideas." American Economic Review 91, no. 1: 220–239.
- Jones, Chad, and Paul Romer. 2009. "The New Kaldor Facts: Ideas, Institutions, Population, and Human Capital." Working Paper 15094. Cambridge, MA: N ational B ureau of Economic Research (June).

Kerrigan, Heather. 2010. "The Results of ROWE." Governing (February 10).

- King, Miriam, et al. 2009. Integrated Public Use Microdata Series, Current Population Survey: Version 2.0. [Machine-readable database]. Minneapolis, MN: Minnesota P opulation Center [producer and distributor].
- Klerman, Jacob A., and Arleen Leibowitz. 1994. "The Work-Employment Distinction among New Mothers." *Journal of Human Resources* 29, no. 2: 277–303.

——. 1999. "Job Continuity Among New Mothers." Demography 36, no. 2: 145–55.

- Konrad, Alison M., and Robert Mangel. 2000. "The Impact of Work-Life Programs on Firm Productivity." *Strategic Management Journal* 21: 1225–1237.
- Lazear, Edward P. 2003. "Firm-Specific Human Capital: A Skill-Weights Approach." Working Paper 9679. Cambridge, MA: National Bureau of Economic Research (May).
- Levine, David I. 1991. "Just-Cause Employment Policies in the Presence of Worker Adverse Selection." *Journal of Labor Economics* 9, no. 3: 294–305.
- Levitt, Barbara, and James G. March. 1988. "Organizational Learning." Annual Review of Sociology 14: 319–40.
- Levitt, S teven. 2006. "An E conomist S ells B agels: A C ase S tudy in Profit M aximization." Working P aper 12152. Cambridge, M A: N ational B ureau o f Economic R esearch (March).
- Lomax, Tim, and David Schrank. 2007. "The 2007 Urban Mobility Report." College Station, Texas: Texas Transportation Institute (September).
- Mann, S amuel. 2006. "Job S tress and B lood P ressure: A C ritical A ppraisal of R eported Studies." *Current Hypertension Review* 2, no. 2: 127–38.
- Mincer, Jacob. 1974. *Schooling, Experience, and Earnings*. New York: Columbia University Press.
- National Alliance for Caregiving. 2009. "Caregiving in the U.S.: A Focused Look At Those Caring for Someone Age 50 or Older." November. Bethesda, MD.
- National Federation of Independent Business. 2004. *National Small Business Poll: Family and Medical Leave*. 4, no. 2.
- Nelson, Richard R., and Sidney G. Winter. 1985. *An Evolutionary Theory of Economic Change*. Harvard University Press.

- Nicholson, S ean, et al. 2005. "How to P resent the B usiness C ase for Healthcare Q uality to Employers." *Applied Health Economics and Health Policy* 4, no. 4: 209–18.
- Pencavel, John H. 1972. "Wages, Specific Training, and Labor Turnover in U.S. Manufacturing Industries." *International Economic Review* 13, no. 1: 53–64.
- Potter, E dward E . 2003. "Telecommuting: T he F uture of W ork, C orporate C ulture, a nd American Society." *Journal of Labor Research* 24, no. 1: 73–84.
- PricewaterhouseCoopers LLP. 2009. "US Human Capital Effectiveness Report." New York, NY.
- Regulations.gov. 2007. "Request for Information on the Family and Medical Leave Act of 1993." Comments from DeAna M. Boren ESA-2006-0022-0279, Leslie Masaitis ESA-2006-0022-0307, and Steve Mackell ESA-2006-0022-0318.
- Romer, David. 2006. "Do Firms Maximize? Evidence from Professional Football." *Journal of Political Economy* 114, no. 2: 340–65.
- Ruhm, Christopher J. 1998. "The E conomic C onsequences of P arental Leave M andates: Lessons from Europe." *Quarterly Journal of Economics* 108, no. 1: 285–317.
- Salop, Joanne, and Steven Salop. 1976. "Self-Selection and Turnover in the Labor Market." *Quarterly Journal of Economics* 90, no. 4: 619–27.

Shrestha, Laura B. 2006. "Life Expectancy in the United States." CRS Report RL32792. Washington, D.C.: U.S. Congressional Research Service (August).

- Sloan W ork an d F amily R esearch N etwork. 2009. "Questions a nd A nswers a bout P hased Retirement." Chestnut Hill, MA: Boston College.
- ———. 2005a. "Workplace Flexibility Case Study: Cisco Systems and Telework." Chestnut Hill, MA: Boston College.
- ———. 2005b. "Workplace Flexibility Case Study: The Detroit Regional Chamber's Flexible Work Schedules." Chestnut Hill, MA: Boston College.
- Smith, Mark. 2002. "5 Ways to Equip Telecommuters." Connected Home Media (May 6).
- Summers, Lawrence H. 1989. "Some Simple Economics of Mandated Benefits." *American Economic Review* 79, no. 2: 177–83.
- Waldfogel, Jane. 1999. "The Family Gap for Young Women in the United States and Britain: Can Maternity Leave Make a Difference." *Journal of Labor Economics* 16, no. 3: 505–45.

- Walters, A. A. 1961. "The Theory and Measurement of Private and Social Cost of Highway Congestion." *Econometrica* 29, no. 4: 676–99.
- Weiss, Andrew M. 1980. "Job Queues and Layoffs in Labor Markets with Flexible Wages." *Journal of Political Economy* 88, no. 3: 526–38.
- Williams, Joan. 2001. Unbending Gender: Why Work and Family Conflict and What to Do About It. Oxford University Press.
- Work, Family, & Health Network. 2008a. "A Behavioral Measure of Supervisory Support." Portland, OR.
- ———. 2008b. "Family-Responsive W orkplace P olicies and P ractices in S mall B usiness." Portland, OR.
- ———. 2008c. "Flexible Work and Well-Being Center." Portland, OR.
- ——. 2008d. "Work Stress, Health, and Parenting Among Hotel Employees." Portland, OR.
- Workplace Flexibility 2010. nd.a. "Flexible W ork A rrangements: The F act S heet." Washington, D.C.: Georgetown University Law Center.
- ——... nd.b. "Legal and Research Summary Sheet: Phased Retirement." Washington, D.C.: Georgetown University Law Center.
- Yasbek, Philippa. 2004. "The Business Case for Firm-Level Work-Life Balance Policies: A Review of the Literature." Wellington, UK: Department of Labour (January).