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EVALUATING THE CONNECTION
BETWEEN SOCIAL PROTECTION
AND ECONOMIC FLEXIBILITY

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ABSTRACT

Over the last 10 years, a variety of analysts have blamed high unemployment and stagnant economic growth in Europe on inflexible labor markets and pointed to the US as a more flexible economy, due to its less regulated labor markets and less generous social protection programs. This paper reviews that debate, critiques the arguments about the relationship between social protection programs and labor market adjustment, and reviews the research literature on this topic. In general, we conclude that much less is known about the aggregate effects of social protection programs on the economy than is generally claimed. Within the very limited existing research, there is little evidence of a significant trade-off between social programs and labor market adjustment, although there is also not much evidence to support those who claim that social protection promotes economic growth. The paper ends by suggesting future research directions.

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From the mid-1970s through the early 1980s most western industrialized countries suffered from slow economic growth and high or rising unemployment. While the US was no exception, it had markedly better employment growth than western Europe. The US added some 20 million jobs from 1975 to 1984 whereas employment was stagnant in Europe. European rates of unemployment, which had historically been below those in the US, came to exceed the American level. Many analysts and policy-makers attributed the US "job creation miracle" to America's flexible and unregulated labor market. A general consensus developed that the cure for Europe's employment problems required greater labor market flexibility, specifically including a reduction in social protection programs that impeded flexibility (OECD, 1990). To speed up market adjustments and increase employment, many European countries tightened provisions for unemployment insurance benefits, loosened dismissal regulations, decentralized collective bargaining, and sought to increase worker mobility through government subsidies or training. Under Prime Minister Thatcher, the United Kingdom tried to revamp its entire set of labor market institutions to create a more flexible and market driven economic system.

Developments in the late 1980s and early 1990s have called into question the 1980s analysis that welfare state programs and labor market rigidities were major causes of the decade's economic problems. The curative powers of labor market flexibility seem far more limited at this writing than

they did a decade earlier. The expansion in US employment after the 1983 recession ended in several years of stagnant growth in the 1990s, and was accompanied by rising inequality and falling real earnings for many workers. In the UK, the increase in unemployment in the early 1990s to over 3 million workers, rising inequality, and financial woes in many sectors, raised serious doubts as to the efficacy of the Thatcher reforms. In both countries the government began to back away from relying solely on market-oriented reforms. High US unemployment in summer 1992 forced the Bush Administration to extend unemployment benefits; in fall 1992, American voters chose a new president who promised a more activist government economic policy. Devaluation of the pound forced the British government from a zero inflation non-interventionist economic policy to one more attuned to growth.

How valid was the 1980s belief that an extensive social protection system—defined broadly to include all governmentally-sponsored programs that protect individuals or families from serious income declines or job loss¹—contributes to economic problems? In what ways can social protection advance or retard economic progress? How strong is the empirical evidence on the effect of welfare state or social safety-net programs on the functioning of economies?

In this paper we examine these questions. We begin by reviewing the economic record that gave rise to the belief that social protection harms economic progress, consider the argument that such protection has deleterious

effects and the counter-argument that it has positive economic effects, and then evaluate the empirical evidence on this debate.

Employment and Growth Woes: The 1980s Analysis

The belief that the extensive social welfare programs in OECD-Europe limited labor market flexibility is rooted in the economic developments of the late 1970s and 1980s, when virtually all major OECD countries suffered from high unemployment and reduced economic growth. Table 1 indicates the extent of these problems. Part A shows unemployment rates across a sample of countries. While unemployment rates showed no secular change in the 1960s, during the 1970s they rose everywhere, in many cases to levels once considered highly recessionary. In the 1980s, unemployment in most European countries increased further. In contrast, after reaching a post-World War II peak in 1983, unemployment fell substantially in the United States. Japan was an exception throughout the period, with a low and stable unemployment rate.

Part B of table 1 shows rates of GDP growth over the same years. Economic growth slowed between the 1960s and the 1970s, and in most countries decelerated further between the 1970s and 1980s. The United States is again an exception. US economic growth was as strong (or weak) in the 1980s as in the 1970s. Much of the growth of US GDP, however, took the

form of growing employment per capita rather than growing output per worker (table 2). GDP per capita grew at the same rate in the US as in Europe, whereas growth in GDP per worker in the US was poor by OECD standards and by past US standards as well. While the aggregate data thus give a mixed message about the US experience—better employment growth but worse productivity growth—analysts of European problems focused largely on the output and employment success of the US in their assessment of the virtue of deregulated labor markets.²

Table 3 explores one reason for this: differential US-European performance in creating full-time jobs and in the duration of joblessness. Part A shows that the share of part-time employees in the labor force rose in most European economies, so that employment growth consisted largely of part-time rather than full-time jobs. Indeed, in many countries, full-time employment fell while part-time employment rose. In the United States, by contrast, while the share of part-time workers increased in the early 1980s recession, it then fell so that it stood at nearly the same level in 1990 as in 1979.³ Part B of table 3 shows the large differential in duration of unemployment between Europe and the US and Canada. Jobless spells in Europe were long and rising, whereas those in the North America were relatively short, as might be expected in a flexible and adaptable market system. More than any other single fact, the lengthy duration of European joblessness led many to believe that European social policies supporting the unemployed or protecting the

employed might be part of the problem of high joblessness rather than part of the solution.

At first, economists analyzing this problem stressed the potential adverse effect of social protection and labor institutions on short run labor market flexibility, limiting wage adjustments in the face of macroeconomic shocks. As high unemployment persisted, however, and estimates of the non-accelerating inflation rate of unemployment (NAIRU) indicated that the unemployment rate consistent with stable inflation had increased,⁴ they came to view labor market flexibility as a tool to reduce the NAIRU and long-term unemployment.⁵ The notion grew that "flexibility" was necessary if not sufficient for any major reduction of unemployment and restoration of growth

But what exactly is meant by labor market flexibility? The exact meaning of the term is often unclear, due to the many margins along which economic agents can be flexible.⁶ The most common usage measures flexibility by the speed of price and quantity adjustment in a changing economic environment. The more flexible market has wages adjusting rapidly when unemployment or prices change; has employment or hours adjusting rapidly when labor demand changes; has greater mobility of labor between different sectors, firms, and geographic areas as demands shift; more rapid transitions from unemployment to employment; and so on. For analysts addicted to Phillips Curve regressions, flexibility means larger coefficients on unemployment variables in wage change regressions. For analysts concerned

with mobility of labor, flexibility means greater exit rates from unemployment (and presumably, from employment as well).

More heterodox analysts, noting the success of Japan in adjusting to the shocks of the period, used flexibility to refer to a broader set of responses, such as adaptive corporate strategies, changeable production technologies, or multi-skilled and adaptable workers. When flexibility is restricted to short term market-driven wage and employment responses, Japan's commitment to lifetime employment contracts raises the possibility that "flexible rigidities", to use Ronald Dore's phrase (Dore, 1986), rather than unconstrained markets are the requisite for economic success. As arguments over labor market flexibility focus largely on the trade-off between European-style social protection and American-style short term flexibility, however, we will use the term "flexibility" to refer to the speed of short term quantity and price adjustments in the labor market in the ensuing discussion.

What was Europe doing wrong in terms of labor market practices and social protection that the flexible US was doing right? There are a diverse set of policies and institutions that arguably adversely affected labor market flexibility and thus economic progress.⁷

(1) Labor relations practices that strengthen the position of workers within firms can limit employers' ability to adjust to the changing economic environment by creating sticky wages and slow reallocation of labor (within and between firms). Legislation regulating the hiring and firing of workers

will reduce employer ability to reduce employment in the face of short run shocks and can make them reluctant to hire workers in a boom if they fear it is temporary.⁸ Centralized wage settlements, viewed as helpful in an era of inflationary pressures (Bruno and Sachs, 1985) can similarly impair industry or firm wage adjustments to changing market conditions. Worker organizations inside firms can prevent wage adjustments that might increase new hires (Lindbeck and Snower, 1990).

(2) The size and nature of the welfare state can slow workers' responses to changing labor market signals. According to this view, generous unemployment benefit programs limit the incentives of workers to re-enter the labor market upon becoming unemployed, while extensive income support programs make long-term unemployment or non-participation in the labor market more economically possible and socially acceptable.⁹

(3) Inadequate skills or mobility can limit workers' ability to adjust to changing labor demands. "Skill mismatches" could result in high unemployment even when demand for new workers remains strong. Attempts to test the skill mismatch hypothesis, however, found little evidence that mismatches were a major factor in the rise of unemployment in the 1980s, leading this explanation to lose its attractiveness.¹⁰ But the notion remains that low mobility of labor is one cause of high unemployment, despite the Japanese example of low mobility and low unemployment.

(4) Excessively high wages and wage shares can limit long term job creation. Failure to invest in physical capital by employers during the late 1970s and early 1980s was blamed for permanently lowering employment demand. For instance, Modigliani, et al. (1987) estimated that by 1985 available production capacity was 15 percent below that needed for full employment due to inadequate capital investment. To generate greater investment, wage reductions that raise profitability were viewed as necessary, making the decline in real wages in the US seem the "right" adjustment and the maintenance of high real wages in Europe the "wrong" strategy.

(5) Linking all of these arguments were a series of "hysteresis hypotheses" that tried to explain how a short-term rise in unemployment could permanently raise the NAIRU, so that adverse shocks in unemployment would not be self-correcting.¹¹ Insider/outsider models argued that the unemployed have little say in wage bargaining and thus little effect on wage levels.¹² Other models focused on behavioral changes among the long term unemployed. As the human capital of the unemployed deteriorates and they adjust to unemployment, workers become less productive or stop seeking jobs.¹³ In either case, a short run rise in unemployment would lead to higher long-term unemployment in the future.

While different analysts stressed the adverse effects of different social protection policies the broad message was the same: greater flexibility in the labor market and less social protection was the road to reducing unemployment

and curing the economic woes of the 1980s. Decreased labor market regulation would permit reductions in wages and related costs of employment when demand fell. Fewer social benefits would increase incentives for the unemployed and non-employed to seek work. Targeted job training or related labor market programs might also be necessary to bring the unemployed (especially the long term unemployed) back into the world of work.

Policy Reactions and Outcomes

Given the widespread belief that flexible labor markets were part of the cure, if not *the* cure, to high unemployment and slow growth, many OECD countries sought to increase labor market flexibility over the 1980s (see Table 4).¹⁴ France tried increased worksharing. It decentralized collective bargaining, as did the Netherlands and Spain. Italy got rid of automatic wage indexing, the Scala Mobile. Virtually all European countries expanded training measures targeted at unemployed workers. Germany and Spain introduced short term employment contracts. The United Kingdom changed its labor relations laws to weaken trade unions and sought to insure that the unemployed were really seeking jobs. A wave of privatization reduced the governmental share of employment throughout Europe. Some countries cut unemployment benefits and other social protection programs, aiming to emulate the lower level of benefits in the United States. By the end of the 1980s, most European countries had less state involvement in labor market

outcomes, less centralized labor relations, and more limited transfer programs than they had a decade earlier.

But the effort to increase labor market flexibility did not reduce aggregate unemployment. In the United Kingdom, policies for greater flexibility appeared to do little on the unemployment front.¹⁵ Spain introduced new fixed term contracts to increase employer flexibility. While unemployment dropped from 1985 to 1990, it never dropped below 15%, although nearly all new hires in the 1980s were on these temporary contracts. In some other countries, such as the Netherlands, there were only limited reductions in social programs, suggesting that policy changes large enough to create a US-style flexible market were politically difficult to implement.

At the same time, the US economy began to look less attractive. The benefits of growth within a flexible and decentralized labor market turned out to be uneven in the 1980s: the earnings and the income distributions widened, growth had less of a "trickle down" effect than it had in previous decades, and poverty rates remained high throughout the decade.¹⁶ Visitors to the country saw homeless in the streets and the increasingly third world appearance of many parts of the inner cities. Some European economies also experienced growing earnings inequality, but only the relatively decentralized and flexible UK had large rises in inequality.¹⁷ In most European countries, moreover, increased earnings inequality did not translate into increased family income inequality, seemingly because these countries had more extensive

transfer systems. The rise of inequality in the US, accompanied by a very visible urban homelessness problem, reminded analysts of the benefits of social protection and transfer programs.¹⁸ In addition, the cyclical downturn in the US economy in the early 1990s showed that flexibility did not guarantee permanently lower unemployment or an ongoing strong economy.

By the early 1990s the claim that weakening social protection systems would increase labor market flexibility and cure economic stagnation could not be made as strongly or convincingly as it had been at the height of Reaganomics and Thatcherism. Reforms to increase flexibility by weakening welfare state programs did not deliver what they had promised. The conventional wisdom of the 1980s—that social protection impairs flexibility in ways that harm economic performance—deserves a serious rethink.

The Case Against Social Protection

Every program that protects people from the consequences of unemployment provides an incentive not to work and is a drag on the economy.

—archetypical opponent of social protection

The argument that social protection harms economic outcomes is familiar to economists because it is derived from first principles about the effect of interventions in perfectly functioning markets. Most institutional interventions create incentives for market participants to behave differently than they otherwise would, implying some distortionary loss of social welfare from the competitive ideal.

In terms of labor supply, transfer programs drive a wedge between individual utility maximizing outcomes and the socially efficient outcome. Unemployment assistance or welfare benefits may lead a worker to choose leisure instead of work until such benefits end. This maximizes the worker's well-being but lowers output and lengthens the spell of unemployment. Similar distortionary side-effects are likely to accompany other social protection measures. Low-cost public housing in a particular city may limit workers' mobility, leading the worker to reject jobs in other areas of the country. Programs that mandate fringe benefit packages may constrain worker choices, producing non-optimal and inefficient outcomes, as well as high labor costs. Generous sick benefits may produce an epidemic of headaches, backaches, and related ills until all benefit days are used up.

In terms of labor demand, social assistance may also change employer decisions in socially inefficient ways. Laws that constrain employers' hiring or firing behavior, for instance, may distort market wage signals, reduce profitability due to "excess labor", or lead employers to hire fewer workers because of their additional expected future cost. Laws that levy taxes on employers to fund retirement or unemployment payments may induce firms to hide income, to hire off the books, or may make it unprofitable to hire low wage labor, depending on the incidence of those taxes. Socially determined minimum wages, such as the French SMIC or Italy's collectively bargained Scala Mobile adjustments, can lower employment in low wage activities.

The case against social programs also stresses that there can be sizeable investment opportunity costs and deadweight losses to raising the taxes necessary to support programs. Social assistance programs may divert capital from more fruitful alternative investments. If those opportunities have higher multipliers or greater job-creation potential, money spent to support low-income families could permanently lower employment opportunities, leaving both the unemployed and the rest of society potentially worse off in the long run. Most social protection policies create some "excess burden" through the tax system and expand public sector employment, which may further add to labor market rigidities.

Furthest from neo-classical analysis, but of great importance in popular discussion, is the possibility that income support programs may change individual preferences by creating "dependency". If labor-leisure preferences are malleable over the short run, programs that induce people to remain out of the labor market may permanently shift their preferences towards greater leisure and away from work, resulting in lower labor market involvement even after the transfer program comes to an end. Some of the discussion over hysteresis effects in unemployment evokes this argument, as the long-term unemployed become less and less attuned to work as their spells lengthen.

Finally, there is an additional potential negative impact in an open economy if social protection programs have any or all of the above negative effects. By burdening business, social programs may reduce trade

competitiveness. This leads to falling exports, rising imports, currency devaluation, and deleterious effects on a country's long-term employment and economic growth. Whether an extensive welfare state can survive in an open economy that trades with countries that have less extensive programs is a question that the Common Market and the North American Free Trade Agreement will put to the test.

The Case Against the Case Against Social Protection¹⁹

Social programs cost resources and may have some undesirable effects on market efficiency, but they generate benefits that are greater than their costs and may be viewed as investments that pay off in higher long run productivity.

—archetypical supporter of social programs

There are two ways to criticize the conventional criticism of social protection programs. The first "case against the case against" admits that social programs have distortionary costs that impact labor markets but argues that the benefits of programs, which critics rarely measure, exceed the costs. The second argument denies that social programs have deleterious effects on markets at all, but rather claims that they are investments in a more productive work force, which promise substantial economic returns.

The first defense of social programs begins with the observation that the case against them focuses almost exclusively on one side of the benefit-cost calculus: the losses in social well-being due to distortionary incentives.

Haveman may be right that "the gains (of welfare state programs) are relatively familiar and directly experienced" (Haveman, 1985, p 17), but the criticism of these programs rarely acknowledges these benefits. The standard 1980s economists' study of unemployment insurance or income support, for instance, is an exercise in estimating distortionary labor supply or related costs, not in assessing how well or poorly the program fulfills its purpose of reducing economic uncertainty through income and/or employment guarantees. A complete cost-benefit analysis of any program requires, of course, that the increase in economic well-being among citizens due to the program be set against its costs, direct and indirect through lost growth or productivity. Simply showing that programs have distortionary effects or inefficiency costs does not make the case against them.

Many social insurance programs provide "goods" that competitive markets intrinsically cannot provide, due to the presence of moral hazards, externalities, or other forms of market failure, which means these programs cannot be criticized as crowding out market alternatives. For instance, the competitive labor market is unlikely to offer socially optimal levels of workplace-related benefits such as sickness benefits or unemployment insurance because of the adverse selection of workers into insurance schemes. If a firm offers particularly good sickness benefits, it will attract a disproportionate number of workers prone to illness, which will be costly. In contrast, if all firms offer identical (mandated) sickness packages, no single

firm will bear the cost of attracting these more costly workers. The abortive effort by one major British bank to offer private unemployment insurance in the 1970s and the difficulties of unions in particular industries to provide private schemes supports this point.

The claim that social programs reduce economic growth is, the case against the case against argues, weak even in terms of standard theory. Existing analysis of welfare triangle losses have no compelling predictions for investment or growth. They show that social protection creates a static efficiency loss—lower GDP—but not that it reduces growth rates. Programs that waste resources reduce the pie available for investment, but they may not alter the share of savings and investment in national output. Standard growth theory does not give a clear prediction about how static distortions alter growth, leading Mancur Olson and others who believe that those distortions have long term growth effects to make more heterodox arguments for their position (Olson, 1982).

In a similar vein, conclusions about distortionary costs are typically derived from first-best models of economic equilibrium. But in a second-best (or third-best) world where other distortions already exist due to taxation, regulation, or institutional structures, it is unclear that social protection programs produce less efficient outcomes. They may offset inefficiencies and distortions caused by other political or economic constraints. For instance, if union collective bargaining contracts require firms to lay off younger workers

before older workers, raising unemployment among younger workers, employment protection laws that mandate all workers be given four months notification before layoff may produce an employment outcome for younger workers that is closer to the first-best equilibrium. The implication is that the effects of any program must be analyzed in the context of the entire economic system in which it fits rather than as an isolated change in an otherwise ideal competitive world.

In short, without denying that social protection programs cause some inefficiencies, one can still reject the claim that such programs are socially deleterious. Looking only at efficiency losses provides an incomplete analysis that fails to evaluate the benefits of the programs and ignores the broad context in which these programs work.

The second attack on the case against social protection stresses the role of programs in enhancing human capital and productivity in the labor market. This is the type of argument put forth by the Clinton Administration in 1993 for expanding various government expenditure programs.

From a human capital perspective, social protection programs could create long term incentives for employers and workers to invest in training. For instance, laws that limit dismissal might induce employers to invest more in worker training, since they create the long term attachment that makes investment in specific skills profitable. Income protection programs might allow greater opportunities for returning to school or investing in retraining.

For instance, maternity leave programs like Sweden's that allow women to leave the labor market for several years when they have a child, provide a chance for women to acquire additional job training.

Greater employment and income security may increase workers' productivity in other ways as well. Japanese workers with lifetime contracts may be more productive because they concentrate better on the job and feel more committed to their firm. A worker whose job is protected may be more willing to look for ways to improve productivity and to accept new machines or technological changes. A generous income transfer program may make workers more likely to take risks, change jobs, or move locations.

Social assistance programs aimed at children and teenagers such as health care programs, educational assistance, child allowances, or teen apprenticeships, are a particular favorite of those who look upon the welfare state as a productive investment. Programs that shift resources to children are a "capital investment" in a country's future labor resources. Assistance to families with small children may improve the health or emotional well-being of those children, resulting in lower future social expenditures and higher future productivity. Assistance to teens may expand their labor market knowledge and improve their skills.

If social protection and economic growth and flexibility complement each other in these ways, emphasis on short term "speed of adjustment" trade-offs would be short-sighted and inaccurate. But a case can even be made that

social programs are not harmful in the short run. First, there are potential counter-cyclical social benefits in programs that reduce cyclical fluctuations in consumption spending and provide employment protection. For instance, worker uncertainty about possible job losses can arguably reduce consumer confidence and expenditures on durables, delaying economic recovery, as in Britain in the early 1990s. Second, short run flexibility can have negative social effects, so that a bit of inflexibility may be virtuous. Bubbles in financial markets and speculative swings or panics make it clear that rapid responses to economic changes are not always good; overshooting equilibria result from too much rather than too little flexibility.

Evaluating the Evidence

In reviewing the arguments about the relationship between social protection programs, labor market flexibility, and aggregate economic welfare, we are struck by how little evidence is available on many issues. The economics literature contains many studies that measure the static efficiency impacts of some social protection policies but few that deal with labor market *adjustment* per se or with effects on economic growth.

Probably the most extensive literature on the efficiency costs of social programs attempts to measure the impact of income transfers on labor supply and of unemployment benefits on the duration of unemployment. The evidence shows behavioral responses to the incentives in these programs, but

has not yielded a definitive consensus over whether the magnitude of this response is large or small. If, as some studies suggest, two months of additional unemployment benefits increase the time a person is unemployed by one to two weeks (Katz and Meyer, 1990), one analyst may regard this with horror while another may find it an acceptable cost of assisting the unemployed.²⁰ Moffitt has summarized the literature on the effect of welfare support on the labor supply of recipients in the US by stressing the "considerable uncertainty regarding the magnitude of the effects" even after 20 years of research (1992, p16).

Research on other routes by which programs may reduce efficiency is limited. The distortionary effects of social regulation on employers has been studied for some programs in some countries, but the results do not yield a simple generalization. When Sweden provided a highly generous sick-leave policy, this seemed to produce excessive use of sick-leave (OECD, 1991). But, to take another example, Houseman (1991) finds that European employment protection preserved jobs in steel compared to the loss of employment in the United Kingdom and Abraham and Houseman (1991) find that Germany's employment protection laws did not reduce the long run adjustment of labor to changes in shipments. Lazear (1990), by contrast, finds that such provisions reduce employment across countries, but reported that this result was sensitive to specification. Because it is difficult to design empirical studies that separate the effect of social programs on export competitiveness,

investment spending, and dynamic labor market behavior from other factors, there is relatively little work on these topics.

Even if estimated efficiency costs are viewed as substantial, there is limited evidence linking these costs directly to the difference in labor market outcomes between the US and Europe that sparked belief in the virtues of flexibility. Burtless (1987) indicates that the more extensive unemployment benefits in European countries did not cause the relative rise in European versus US unemployment rates over the 1970s and 1980s, because the estimated effects are far too small to generate the huge observed unemployment changes. The introduction of temporary contracts in Spain seemed to increase employment, but Spanish unemployment still remained the highest in Europe. Similarly, introduction of temporary contracts in Germany appears to have had no great effect on employment practices.

The papers in this volume add to the research linking social protection programs to labor market developments within and across countries in the last decade. In most cases, the studies reject the existence of a substantial trade-off between these programs and market flexibility. Abraham and Houseman find that loosening of dismissal laws in Germany, France, and Belgium had little effect on the speed of employment adjustment. Börsch-Supan finds that implementing or loosening tenant protection laws in Germany did not change mobility or housing construction rates. Blank finds that employment and wages in the public sector are as variable as in the private sector in the US and

only slightly less variable in the UK. Holtz-Eakin finds little evidence that inequitable health benefits between jobs limit worker mobility in the US or Germany. Rebeck finds little evidence that the implementation of early retirement programs in Japan induced elderly workers to leave the labor market. What is striking in all of these papers is the lack of evidence that the government programs had substantial effects on labor market adjustment.

Why has research failed to turn up the large trade-off that the 1980s conventional wisdom posited? One possible reason is that there is in fact no sizeable trade-off between *specific* programs, flexibility, and efficiency. Program-induced inefficiency losses may have much more limited effects on labor market dynamics than economists would like to believe. This may be because the programs are embedded in a larger system of employment and family relations, so that changes in one program do not change incentives as much as might at first appear to be the case, and thus do not induce large changes in behavior.

Another possibility is that the program changes are too modest and the time period covered by the studies too short to capture the "big" adverse effect of these welfare state programs on the overall operation of society. Behavior may change slowly as experience and information is acquired over time. The claim that social protection limits economic adjustment may not be well tested by looking at marginal changes in program parameters. Perhaps European

nations have not achieved a substantial increase in labor market flexibility because they have not gone far enough cutting back their degree of social protection. Only major changes, abolishing whole sets of programs, may produce the degree of market flexibility needed to bring down long term unemployment.

Whatever the reason for the findings, our reading of the evidence in this volume and elsewhere is that there is little empirical evidence for large tradeoffs between labor market flexibility and social protection programs in general. At the present state of knowledge, the best attitude toward the "trade-off" hypothesis is one of open-minded skepticism.

If there is little evidence of substantial trade-offs between social protection programs and labor market adjustment, however, estimates of the magnitude of purported benefits of such programs is almost non-existent. Researchers have made only a few attempts to estimate the benefits of programs to individuals and thus to provide a fuller cost-benefit analysis.²¹ Lampman's (1984) analysis of the full effects of changes in social welfare spending in the US between 1950 and 1978 on economic and social well-being and Haveman's (1985) comparison of US and Netherlands social welfare spending took a broad benefit-cost view, but lacked the necessary micro-studies of how citizens value benefits that would provide a definitive welfare accounting. Hansen and İmrohoroğlu's (1992) evaluation of the behavioral and social welfare effects of an unemployment insurance scheme relied on

simulation rather than on detailed empirical analysis of these effects. Their finding that, with some plausible parameters, the social benefits of unemployment insurance can outweigh the efficiency costs, supports the notion that a full accounting of this program may yield a different welfare assessment than is implicit in studies focused on its undesirable effects in lengthening spells of joblessness.

The claim that social protection should be viewed as an investment in future productivity is based upon even less solid evidence. We know of no studies that persuasively link labor market protection programs to worker productivity nor that definitively connect child and family assistance programs with labor market productivity in later life. Compensatory preschool programs have been linked with greater school achievement and more years of schooling, both of which are correlated with economic success in the labor market (Barnett, 1992), but there is no evidence on whether income assistance for poor families improves children's long term economic outlook. On the contrary, some evidence suggests that parents' participation in welfare programs in the US raises the probability of welfare participation among their children when grown (Gottschalk, 1992).

Given the extensive public discussion of the value and costs of social programs, and the resources spent on different programs, it is unfortunate that we lack the studies that might provide the full benefit-cost assessment of the

effects of the programs necessary to make a scientific case for reducing or increasing their scope.

Improving Analysis of Social Protection Programs

Our assessment of the arguments and evidence on the effects of social protection programs has implicitly suggested some directions for future research in this area. We conclude this essay by bringing these suggestions together.

(1) The greatest immediate need is for detailed studies that measure the benefit side of social programs, in particular assessing the non-income value of the income protection and job security of social insurance programs. Given the increasing recognition of the importance of risk and risk aversion in economic theory, this is an area in which empirical research has failed to keep pace with theory.²² To evaluate social programs properly, we need to measure the value to individual workers and families of reducing the risk and insuring incomes or employment. This may require more interaction between economists and other social scientists, such as social psychologists, who more routinely use non-income measures of personal well-being.

(2) There is also a need to analyze the effects of specific programs within the "general equilibrium" of social and market institutions. The impact of any particular program depends on the environment of institutions and economic conditions in which it is located. For instance, the differential effect

of weakening employment protection in Spain versus Germany presumably reflects differences in labor market institutions and in the strength of unions or works councils in the two countries. Similarly, multiple and simultaneous programs can cause offsetting behavioral incentives, or can reinforce each other in ways that create synergies, so that the effect of several programs together may be different from any individual program alone. For example, Hanratty's paper in this volume indicates that time-limited welfare in France moves women into the labor force, but shows that this occurs in part because France's educational system admits children to full-time schooling at exactly the point when women lose their benefits. On the one hand, programs that appear distortionary in isolation may not be distortionary when viewed in a broader systemic context. If a generous minimum income support system is combined with job creation or skill training programs, the expected adverse effects on labor supply may be muted or overwhelmed in importance by the positive effects of job training. On the other hand, it is also possible that a host of social protection programs may coalesce to produce an inflexible system, so that reforming a single program may fail to produce the benefits that reformers expect. Research that measures joint effects from multiple programs would provide insight into these issues and indicate the extent to which effective policy might be better conceptualized as a combination of interactive programs rather than as a list of separate program efforts.²³

(3) Greater attention should be given to the gap between the legal requirements of a program and its implementation. Often research parameterizes programs by their legal definition, with only scant attention to implementation issues. For instance, according to law, welfare programs to single parents in the United States levy extremely high tax rates on earnings, between 67 and 100 percent. Many studies have used these legislated rates in their estimation of the impact of welfare on labor supply, generally concluding that high tax rates seem to have little effect on labor supply decisions of recipients. Yet, the actual marginal tax rate on earnings faced by most women are much lower, due to a combination of work expense deductions as well as income underreporting. Perhaps the inference that labor supply is only modestly responsive to the tax rates in income support programs is correct because the effective tax rates are actually quite low.

(4) We should go beyond determining the immediate effects of a program on labor supply or mobility behavior to the multiple and possibly long term effects on a broader set of variables, including skill formation. This means looking at efficiency, flexibility and well-being effects of programs over a time horizon greater than one or two years. At this stage we are not even sure whether effects increase in decrease over time. Economists normally expect long run effects to exceed short run effects (as the number of constraints on behavior is reduced, own partial derivatives increase by the Le Chatelier principle), but when one program changes, the use and purpose of

a whole range of other programs may also change in an offsetting way. Changes in employee dismissal laws may lead to differences in the way unemployment benefits are paid out, with uncertain consequences. We need at least some understanding of how the entire inter-connected system of programs adjusts to assess more reliably the effects of specific program reforms.

(5) Finally, the purported long term investment effects of social programs should be analyzed. Do particular investments in children's education or health programs or transfers to families with children pay off in terms of future adult productivity? Is the claim that many social programs are investments in the future valid or are these more properly viewed as consumption transfers? The availability of long term longitudinal data makes studies of long term effects increasingly possible. The argument that social protection programs are investment and productivity-enhancing policies needs to be seriously evaluated both by proponents and by skeptics.

In short, we believe that the research and policy community actually knows quite a bit less about the aggregate effect of social protection programs on individual behavior or on the aggregate economy than is typically claimed. Our reading of the debate over flexibility, social protection, and the labor market suggests that analyses more directly focused on the key points in that debate would enrich our understanding of how the welfare state and labor market interact in needed and useful ways.

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Notes

1. This includes income transfer programs that protect families against poverty and in-kind programs such as housing or health insurance that assure access to particular goods or services, as well as social insurance programs that cushion workers against unemployment, disability, or old age. It also includes employment regulation programs that provide greater job security and programs that mandate employer payments to support particular fringe benefits, such as social security or health care. We limit our discussion to government programs, though we recognize the Rein and Friedman (1992) point that social protection involves other sectors of the society as well.
2. This point is documented in Freeman (1988) for the first half of the 1980s.
3. Although more difficult to measure, temporary work increased in both the US and European economies.
4. For instance, the European Unemployment Program conferences reached this conclusion, as summarized in the papers in Bean, Layard, and Nickell (1987) and Dréze and Bean (1990). For a good summary of the changing discussion over the nature of the unemployment problem in Europe, see Krugman (1987).
5. For an example of such a policy discussion on "how to reduce the NAIRU," see Layard (1986).
6. Boyer (1988) has an excellent discussion of alternative definitions of flexibility and of some of the ways in which "flexibility" may or may not be to the long run advantage of the economy. Metcalf (1987) also presents an extended discussion of various types of labor market flexibility.
7. A number of the papers in Jessop, et al. (1991) summarize and critique these different causal theories. Lawrence and Schultz (1987) and Krugman (1987) also provide good summaries.
8. A variety of different models discuss this problem, from Piore and Sabel's (1984) call for greater "flexible specialization" to Boyer's (1988) discussion of the failure of the Fordist system of industrial relations.
9. The argument against the welfare state is nicely summarized in Lawrence and Schultze (1987).

10. For instance, the argument is dismissed by Layard and Nickell using United Kingdom data and by Franz and König using data from Germany (both articles are in Bean, Layard, and Nickell, 1987), but Blanchard (in Dréze and Bean, 1990) argues for possible mismatch effects that this empirical work would not have measured. Flanagan (1987) provides a nice summary of the evidence on occupational and spatial mismatch.

11. For instance, the empirical work of Oswald and Blanchflower (1990) indicates that unemployment has a strong effect on wages at low unemployment, but little effect at high unemployment.

12. A summary of this approach is in Lindbeck and Snower (1990).

13. Blanchard (in Dréze and Bean, 1990) summarizes this argument nicely. Franz (1987) provides empirical support for this hypothesis using German data.

14. Boyer (1988) and OECD (1990) discuss different European countries' policy responses to the economic problems of the 1980s.

15. They presumably did help in other ways. For instance the UK legislation that weakened unions seems to have spurred unionized firms to higher rates of productivity.

16. For a summary of US inequality trends, see various articles in the *Quarterly Journal of Economics*, Vol 107:1, February 1992, or Danziger and Gottschalk (1993). For a discussion of the changes in the effect of the macroeconomy on poverty, see Blank (1993).

17. For instance, see Davis (1992) or Katz, Loveman and Blanchflower (1992).

18. Another possible factor affecting thinking was the political and economic changes in eastern Europe. These changes made it clear that market capitalism is not easily or quickly transplanted to economies with a history of control and planning, and that historical economic, political, and institutional differences shape the possibilities for economic reform.

19. Making cases against cases is a tradition in economics fathered by Robert Solow, to whom we give full credit for this mode of argumentation about where the burden of proof lies in discussing a policy issue.

20. For a review of the literature on the effects of unemployment insurance, see Atkinson and Micklewright (1991).

21. For instance, Haveman and Wolfe (1984) attempt to measure a wide variety of non-market effects from public education. Weisbrod (1983) tries to measure the net social benefits of alternative programs for the mentally ill. Kemper, et al. (1984) estimate the net social benefit of a job training program. Haveman (1985) discusses the full range of social benefits and costs that should be considered in evaluating income protection programs.

22. Best known, perhaps, is the literature measuring the effect of job-related risks on wage rates.

23. For an example of multiple program analysis with respect to the US income support system, see Blank and Ruggles (1992).

Table 1
Unemployment Rates and Rates of Growth of GDP, 1960-90

A. Rates of Unemployment				
Country	1960	1968	1979	1990
US	5.4	3.5	5.8	5.4
OECD—Europe	2.9	3.4	5.7	7.8
Germany	1.0	1.2	3.3	6.2
France	1.4	2.7	5.9	9.0
United Kingdom	1.3	2.1	4.6	5.5
Italy	5.5	5.6	7.6	10.8
Smaller European	3.9	4.5	6.4	7.9
B. Annual Rates of Real GDP Growth				
	1960-68	1968-73	1973-79	1979-90
US	4.5	3.2	2.4	2.6
OECD—Europe	4.7	4.9	2.6	2.3
Germany	4.1	4.9	2.3	2.0
France	5.4	5.4	2.8	2.1
United Kingdom	3.0	3.4	1.5	2.1
Italy	5.7	4.5	3.7	2.4
Smaller Europea	5.4	5.6	2.6	2.6

SOURCE: OECD, *Historical Statistics, 1960-1990* (Paris, 1992), Tables 2.15 and 3.1. OECD, *Historical Statistics, 1960-1989* (Paris, 1991), Table 2.15.

Table 2
**Rates of Growth of Employment Per Capita, GDP Per Capita,
 and GDP Per Employee, 1979-90**

	US	OECD—Europe	Smaller-Europe
Growth of GDP per capita	1.6	1.7	1.5
Growth of employment per capita	0.6	0.3	0.3
Growth of GDP per employee	1.0	1.4	1.2

SOURCE: OECD, *Historical Statistics 1960-1990* (Paris, 1992), Tables 3.2 and 3.7, with employment per capita obtained by subtracting GDP per employee from GDP per capita.

Table 3
Part-Time Employment and Duration of Unemployment

A. Part-Time Employment as Share of Total			
Country	1979	1983	1990
US	16.4	18.4	16.9
OECD—Europe			
Germany	11.4	12.6	13.2 ^a
France	8.2	9.7	12.0
United Kingdom	16.4	19.4	21.8 ^a
Italy	5.3	4.6	5.7 ^a
Smaller European			
Belgium	6.0	8.1	10.2 ^a
Netherlands	16.6	21.4	33.2
B. Percentage Unemployed 12 Months or More			
	1979	1983	1990
US	4.3 ^b	13.3	5.6
OECD—Europe			
Germany	28.7	39.3	46.3
France	32.6 ^b	42.2	38.3
United Kingdom	29.5	47.0	36.0
Italy	51.2	57.7	71.1
Smaller European			
Belgium	61.5	66.3	69.9
Netherlands	35.9	50.5	48.4

SOURCE: OECD, *Employment Outlook*, July 1991, Tables 2.7 and 2.9; OECD, *Employment Outlook*, July 1992, Table N.

^a1989

^b1980

Table 4
Sample Policy Changes Implemented Over the 1980s
to Increase Labor Market Flexibility in Europe

Belgium
Established short-time unemployment benefits
Created programs to assist temporary work placements
Weakened dismissal laws
France
Increased decentralization in bargaining
Weakened dismissal laws
Increased training for long term unemployed
Decreased work week
Germany
Weakened dismissal laws
Increased incentives for early retirement
Increased limits on Unemployment Benefit receipt
Increased training for long term unemployed
Decreased work week
Italy
Eliminated automatic wage indexation

(continued)

Netherlands
Decentralized wage agreements
Lowered relative minimum wage
Created programs to assist temporary work placements
Increased limits on Unemployment Benefit receipt
Increased training for long term unemployed
Spain
Decentralized wage agreements
Decreased work week
Increased training and job creation for long term unemployed
Increased availability of part-time and short term work
Sweden
Increased training and job search requirements for those receiving Unemployment Benefits
United Kingdom
Implemented privatization of major government-owned industries
Decentralized wage agreements
Weakened dismissal laws
Increased limits on Unemployment Benefit receipt
Increased training for long term unemployed

PRIMARY SOURCE: OECD, 1990.