among Disadvantaged and Advantaged Hurt the Worst | The Risk of Unemployment Male Workers, 1968–2003

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Over the last three decades, structural changes in the American labor relative economic position of less-educated male workers is lower now lower than they were from the mid-1970s through the early 1990s, the though unemployment rates for much of the past decade have been been available to workers with a high school diploma or less. Even market eliminated many highly paid, stable jobs that had previously school graduates in the same age range, real wages in 2004 were only hourly wage rates in 2004 were 9% below their 1979 levels; among high the ages of fifteen and fifty-four who where high school dropouts, real than it was a quarter century ago. For example, among workers between wage premium for college graduates have all contributed to the labor and product markets, increased immigration, and a technology-driven of the real value of the minimum wage, increased globalization of labor 5% higher than in 1979.' Declines in the extent of unionization, erosion market problems of less-educated workers.2

who have fewer financial resources to cushion income losses than other workers and are less able to plan for the future when jobs are insecure. Job losses have more deleterious consequences for less-educated workers Job security is important, particularly for disadvantaged workers

> when interviewed in one year is unemployed when interviewed two years security differ for workers classified by education and race? Have these probabilities changed over time? Do trends in employment interviewed in one year is employed when interviewed two years later? later? Conversely, how likely is it that a man who is unemployed when over the last three decades: How likely is it that a man who is employed ter addresses several questions about changes in employment stability more likely than others to have difficulty finding new jobs. This chap who are less likely than other workers to receive severance packages and

of unemployment at the end of a two-year period, and also have a lower of the labor force because our data do not distinguish between those probability of returning to work after having been unemployed. younger, less educated, and minority male workers have a higher risk they thought no jobs were available (discouraged workers). We find that school or to retire early, and those who stopped looking for work because who left jobs and the labor force for personal reasons, such as to attend not analyze individuals who have exited from employment to being out as unemployment most frequently reflects involuntary job loss. We do (white, black). We focus on transitions into and out of unemployment dropout, high school diploma, some college, college graduate), and race by age (20-30, 31-40, 41-50, 51-62), educational attainment (high school the risk of unemployment for employed male household heads classified Dynamics (PSID) for the period from 1968 through 2003. We compare We analyze longitudinal data from the Panel Study of Income

describe data and methods, present results, and summarize key findings The next section briefly reviews previous studies; later sections

PREVIOUS STUDIES

document that black men were about 25% more likely to experience job a typical male holds seven jobs in his first ten years in the labor market. ing their education. Robert H. Topel and Michael P. Ward estimate that analysis.3 Young workers usually work at a series of jobs after complet-I, this volume), we mention only studies that are closely related to our displacement than whites during the 1980s (4.8% vs. 3.8% per year).5 In Thus, we control for a worker's age. Robert W. Fairlie and Lori G. Kletzer Because Henry S. Farber reviews the previous literature (see chapter

of schooling than white men. Thus, we control for racial and educational partly to the fact that black men had on average completed fewer years by the next survey (44% vs. 61%). These differences can be attributed the risk of unemployment for separate race and education categories. that an unemployed worker returns to employment, and we also calculate differences in estimating the risk of unemployment and the likelihood addition, black displaced workers were 30% less likely to be reemployed

After accounting for business cycle fluctuations, Francis X. Diebold, risk has varied during each of the last several decades to see if there have affected by fluctuations in the national unemployment rate and how this more educated and white employees. We account for the business cycle rates fell for less educated and African American workers, relative to roughly constant over the 1973 to 1991 period. However, job retention David Neumark, and Daniel Polsky conclude that job stability was by evaluating how the risk of unemployment for various workers is been secular trends that are unrelated to cyclical fluctuations. Business cycle fluctuations strongly affect the likelihood of job loss.

labor force) conditional on involuntary job loss, and the probability that spell of nonemployment (either becoming unemployed or leaving the the probability that a job ends involuntarily, the probability of starting a Gottschalk and Robert Moffitt analyze three measures of job insecurity: and higher wages are negatively related to the probability of job loss.8 being the strongest predictor of dismissals, and that higher job tenure als increased from 4.1% to 5.5% for men, with the unemployment rate between 1976 and 1991, the annual likelihood of involuntary dismiss the early 1980s through the mid-1990s. Robert G. Valletta finds that job.' They find that all three probabilities were generally unchanged from the subsequent job has lower wages than the involuntarily terminated Our methodology draws heavily from that of two prior studies. Peter

cycles, differences across decades, and demographic characteristics on ment probabilities, and examine how these probabilities and the factors has returned to work two years later. Our study period is longer than interviewed two years later and that an unemployed worker in one year the likelihood that a man working at one interview is unemployed when that influence them vary by race, age, and educational attainment those of other authors. We estimate both unemployment and reemploy Building on these studies, we estimate the effects of business

DATA AND METHODS

and the period of slow economic growth following the 2001 recession.9 the results of recent studies through the economic boom of the 1990s 1968 to 2003, using all thirty-five years of the panel data, and extending included. We analyze the risk of unemployment over the period from that a young adult living with his parents is not a PSID head and is not ment information we use only from household heads, which means race, gender, and education information. The PSID gathers the employages of twenty and sixty-two who are not students and who have valid In each year, our sample includes male household heads between the The PSID has followed the same individuals from 1968 to the present.

ployment to employment if he was unemployed at the time t-2 interview job at the time t interview. We define a man as having exited from unemment to unemployment if he was not working but was searching for a the time t-2 interview. We define a man as having exited from employtwo years later. For any year t, our sample consists of men who worked at who is employed at one PSID interview is unemployed at the interview but was working when interviewed at time t.10 We define unemployment risk as the likelihood that an individual

sions that control for demographic attributes, the business cycle, and workers classified by education and race. Then we estimate regressecular trends." We now describe trends in employment and unemployment for

TRENDS

late 1960s; the rate fell to about 90% by 1980 and then to around 85% is somewhat greater. About 95% of high school graduates worked in the lines) follow roughly the same pattern, although the long-run decline school graduates and those with some college (the second and third then declined to about 90% after 1994. The employment rates for high about 95% for most years between 1968 and the early 1990s; the rate by educational attainment. The rate for college graduates (top line) is household heads between the ages of twenty and sixty-two, classified Figure 3.1 shows the employment rate from 1968 through 2003 for male in the early 2000s

over the thirty-five-year period.12 In the late 1960s, their employment rate outs was four percentage points in 1968, but fifteen points in 2003.13 between the employment rate of college graduates and high school dropnext two decades, their employment rate never exceeded 78%. The gap was about 90%. It fell to 74% in 1983 due to the severe recession. For the men to be employed in any year and have experienced the greatest decline High school dropouts (bottom line) are much less likely than other

over time. Figure 3.2 documents that unemployment for dropouts rose with higher education in any year, and this differential has also grown 2003, it had increased back to 10%. the economic boom of the 1990s when it fell to 5% in 1997. However by from 3.9% in 1968 to 13.8% in 1983. The rate remained above 10% until High school dropouts are more likely to be unemployed than those

some college follow the business cycle. Among high school graduates, unemployment rose from around 2% in the late 1960s to 6.7% during about 8% in 1992 and fell to 3.5% in 1999. The rate for college graduates to 10.5% in 1983. The rate fell to less than 5% in the late 1980s, rose to the recession in the early 1970s, and then fell to about 4%, before rising than are college graduates. are much more likely to lose their jobs due to business cycle fluctuations is roughly flat, around 2% in any interview year. Thus, the less educated The unemployment rates for high school graduates and heads with

percentage points by 1979 (84% vs. 93%) and to thirteen points by 1983 (88% and 92% in 1969, respectively). The racial gap widened to nine In the late 1960s, black and white males were employed at similar rates five-year period for blacks is similar to that for all high school dropouts can and white men. The sharp decline in employment over the thirty-As shown below, educational attainment differences contribute to this 77% of black male household heads and 86% of whites were employed (76% vs. 87%) before narrowing during the 1990s boom. In 2003, only racial employment gap. Figure 3.3 shows the employment rate separately for African Ameri

and from 1.7% to 6.2% for whites. Between 1997 and 2003, the white rate more likely to lose their jobs during economic downturns. The unemploy whites (figure 3.4). While both series show cyclical patterns, black men are Between 1979 and 1983, unemployment rose from 7.7% to 15.4% for blacks ment rate spiked for blacks in the mid-1970s, early 1980s, and early 1990s. The unemployment rate for African American men exceeds that for

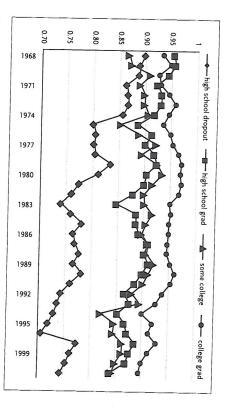
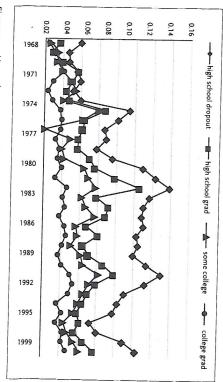


Figure 3.1 Employment rate of male household heads, by education [Source: Authors' calculations using the PSID, 1968-2003]



[Source: Authors' calculations using the PSID, 1968-2003] Figure 3.2 Unemployment rate of male household heads, by education

to 9.4%. These data include only household heads who have lower unemsixty-two have lower rates than those of younger and older men. ployment rates than other men; also, men between the ages of twenty and increased from 2.1% to 3.7%, whereas the black rate increased from 5.7%

shows the probability that a male employed at the year t-2 interview was unemployed at the year t interview. This risk of unemployment was highest in 1983—6.9% of men working at the 1981 interview were out of Figure 3.5 takes advantage of the panel nature of the PSID data and

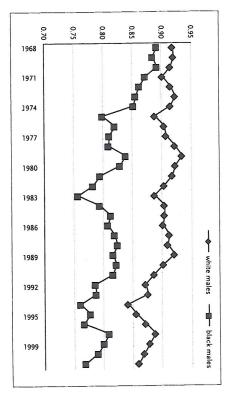
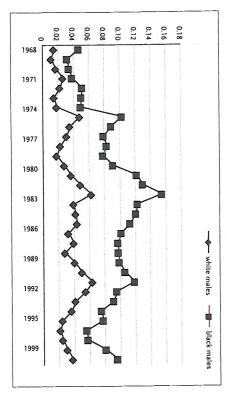


Figure 3.3 Employment rate of male household heads, by race [Source: Authors' calculations using the PSID, 1968-2003]



[Source: Authors' calculations using the PSID, 1968-2003] Figure 3.4 Unemployment rate of male household heads, by race

unemployment rate over the business cycle. early 1980s to the mid-1990s is consistent with changes in the national 2.2% in 1999, and then increased to 4.2% in 2003. The pattern from the year exit probability fell to 3.6% in 1989, rose to 5.5% in 1992, declined to work and searching for jobs when interviewed two years later. This two-

unemployment to employment is highest in good economic times—the the t-2 interview was working at the year t interview. The exit from Figure 3.6 shows the probability that an unemployed worker at

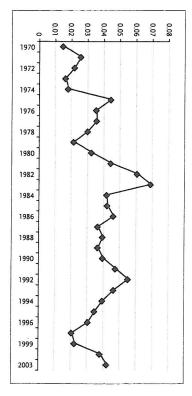


Figure 3.5 Risk of unemployment, male household heads [Source: Authors' calculations of the probability that a man employed in year t-2 is unemployed when surveyed in year t, using the PSID, 1968–2003]

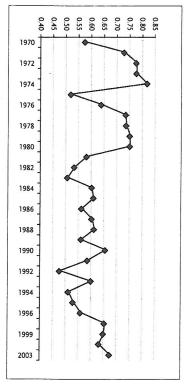


Figure 3.6 Likelihood of returning to work, male household heads [Source: Authors' calculations of the probability that a man unemployed in year t-2 is employed when surveyed in year t, using the PSID, 1968—2003]

easier time than in the 1980s and early 1990s. unemployed in 1997, 65% had returned to work in 1999. The upward ployed in 1981, 50% were employed in 1983; in contrast, among men early 1970s, late 1970s, and late 1990s. For instance, among men unemhave a harder time finding jobs now than in the late 1970s, but have an in figure 3.5, indicates that the effects of the 2001 recession on the liketrend in recent years, despite the increased risk of unemployment shown lihood of reemployment were relatively modest. Unemployed workers

attainment, and the business cycle affect the risk of unemployment and figures 3.5 and 3.6. The regression coefficients shown in the tables below the probability that the unemployed return to work that are shown in Regression analysis allows us to identify how age, race, educational

and sixty-two in the early 2000s. A coefficient greater than one indicates is defined as a white male college graduate between the ages of fifty-one represent deviations from a baseline exit probability. The baseline worker ficient of less than one indicates that the man is less likely to exit." likely to experience an exit than a man with the baseline attributes; a coefthat a man with different attributes (e.g., race or age or education) is more

REGRESSION RESULTS

school dropouts, for example, indicates that the risk of unemployment Column 1 of table 3.1 shows the regression results for all male household were 1.9 times more likely and those with some college 1.7 times more any two-year period between 1968 and 2003.15 High school graduates for dropouts was 3.3 times higher than that of college graduates during heads between the ages of twenty and sixty-two. The coefficient for high ages of thirty-one and forty were twice as likely to exit and those between group) to exit from employment to unemployment. Workers between the as workers between the ages of fifty-one and sixty-two (the baseline age risk of unemployment was twice as high for African Americans as whites. likely to exit from work to unemployment than college graduates. The forty-one and fifty were 1.5 times as likely as older workers. Workers between the ages of twenty and thirty were 3.2 times as likely

ployment rate. A one percentage point increase in this rate increases a varies over the business cycle, as measured by the year t national unemployment was only about one-third of the risk in the early 2000s; in the ing 2001–2003 (the reference years). In the 1970s, the risk of unemmeans that workers fared better in all three decades than they have durand 1990s indicators are all statistically significant and below one. This in the risk of unemployment—the coefficients for the 1970s, 1980s, pendent of business cycle fluctuations. We find an upward secular trend 1990s. These indicators identify labor market changes that were inderate constant, we include indicator variables for the 1970s, 1980s, and the risk of unemployment differs by decade, holding the unemployment worker's risk of exiting to unemployment by 20.8%. To determine how 1990s, the risk was about two-thirds the magnitude of the early 2000s. Like previous studies, we estimate how the risk of unemployment

columns 2 through 5 of table 3.1. The coefficients in columns 3 and 4 of for each of four educational attainment groups and present the results in We estimate regressions for the risk of unemployment separately

		SCHOOL HIGH	SCHOOL	SOME	COLLEGE
	ALL	DROPOUT	GRADUATE	COLLEGE	GRADUATE
BLACK	2.023**	1.694**	2.560**	2.234**	1.575+
	(11.82)	(5.53)	(9.71)	(6.09)	(1.69)
AGE 20-30	3.224**	4.325**	3.074**	2.148**	1.064
	(13.08)	(11.79)	(6.42)	(3.35)	(0.21)
AGE 31-40	2.072**	2.213**	1.922**	2.383**	1.154
	(8.08)	(6.19)	(3.59)	(3.98)	(0.57)
AGE 41-50	1.526**	1.472**	1.476*	1.668*	1.218
	(4.64)	(3.03)	(2.03)	(2.36)	(0.78)
HS DROPOUT	3.321**				
	(11.08)				
HS GRADUATE	1.919**				
	(6.22)				
SOME COLLEGE	1.694**				
	(4.71)				
UNEMPLOYMENT RATE	1.208**	1.200**	1.246**	1.236**	1.040
	(10.81)	(6.67)	(7.21)	(4.65)	(0.67)
1970s	0.367**	0.413**	0.414**	0.460**	0.376**
	(9.31)	(4.08)	(4.91)	(3.41)	(3.04)
19805	0.549**	0.713	0.549**	0.480**	0.450**
	(5.66)	(1.56)	(3.29)	(3.45)	(2.60)
1990s	0.682**	0.769	0.626**	0.698+	0.801
	(3.84)	(1.25)	(2.80)	(1.81)	(0.91)
OBSERVATIONS	66539	18277	22135	12598	13529

Risk of unemployment, male household heads (logistic regression analysis)

Source: Authors' calculations using the PSID, 1970–2003. Robust z statistics from standard errors clustered at the individual level in parentheses. Sample is of male household heads, age 20–62, who were employed at interview two years earlier. In column 1, the baseline (omitted) category is a white male college graduate aged 51–62 in 2001–2003. In subsequent columns the baseline is a white male aged 51-62 in 2001-2003. The risk of unemployment is calculated as the probability that a man who was employed in year 1-2 is unemployed in year t. + significant at 10% * significant at 5% ** significant at 1%

Table 3.1

exit to unemployment. African American college graduates are 1.6 times can American high school graduates are about 2.5 times more likely to their white counterparts. Compared to white high school graduates, Afrigraduates and have some college have a greater risk relative to that of the top row show that the African American males who are high school as likely as white college graduates to exit.

centage point increase in the unemployment rate increases exits to workers. This result is supported in the regression analysis. A one perrisk of unemployment due to cyclical shocks than are more-educated unemployment among dropouts by 20% and by about 24% for both Figure 3.1 demonstrated that less-educated workers are at higher

		SCHOOL	SCHOOL	SOME	COLLEGE
	ALL	DROPOUT	GRADUATE	COLLEGE	GRADUATE
BLACK	0.483**	0.445**	0.542**	0.376**	1.047
	(7.70)	(5.73)	(3.94)	(3.98)	(0.09)
AGE 20-30	1.510**	1.353	1.700*	1.319	3.539+
	(2.91)	(1.64)	(2.04)	(0.66)	(1.74)
AGE 31-40	1.161	1.055	1.128	1.306	2.199
	(1.02)	(0.27)	(0.45)	(0.67)	(1.25)
AGE 41-50	1.081	1.404	0.892	1.104	0.694
	(0.46)	(1.49)	(0.40)	(0.23)	(0.55)
HS DROPOUT	0.436**				
	(3.26)				
HS GRADUATE	0.576*				
	(2.16)				
SOME COLLEGE	0.752				
	(1.05)				
UNEMPLOYMENT RATE	0.906**	0.864**	0.968	0.860+	1.046
	(3.06)	(3.10)	(0.57)	(1.76)	(0.31)
197os	1.720**	1.828+	1.441	2.492	1.122
•	(2.60)	(1.68)	(1.04)	(1.64)	(0.16)
1980s	1.056	1.411	0.715	1.124	0.920
	(0.26)	(0.97)	(1.00)	(0.25)	(0.12)
1990s	0.840	0.864	0.706	1.209	1.109
	(0.91)	(0.42)	(1.09)	(0.41)	(0.20)
OBSERVATIONS	3714	1658	1222	558	276
Source: Authors' calculations using the PSID, 1970–2003. Robust z statistics from standard errors clustered at the individual level in parentheses. Sample is of male household heads, age 20–65, who were unemployed at interview two years earlier. In	ng the PSID, 1970-20 f male household hea	003. Robust z stat ids. age 20–62, w	istics from standa	ard errors cluster yed at interview t	red at the individual
Column 1, the baseline (omitted) category is a white male college graduate and a	category is a white m	ale college gradu	ato aread or Go in	200	

column t, the baseline (omitted) category is a white male college graduate aged 51–62 in 2001–2003. In subsequent columns the baseline is a white male aged 51–62 in 2001–2003. The likelihood of returning to work is calculated as the probability that a man who was unemployed in year t-2 is employed in year t. + significant at 10% * significant at 5% ** significant at 1%

Table 3.2 Likelihood of returning to work, male household heads (logistic regression analysis)

high school graduates and those with some college (columns 2, 3, 4, respectively, table 3.1). In contrast, there is no statistically significant relationship between the unemployment rate and the risk of unemployment for college graduates, who are relatively insulated from business cycle fluctuations (column 5, table 3.1).

Table 3.2 presents regression results parallel to those of table 3.1, except that the dependent variable is the probability that an unemployed worker at the year *t-2* interview had returned to work at the year *t* interview. The first row in column 1 shows that unemployed black men are only about half as likely to return to work as whites. This race effect is large and significant for all education groups except college gradu-

ates (coefficients are below 1.0 and significant in columns 2 through 4, but about 1.0 and not significant in column 5). Thus, holding education constant, black workers have a higher risk of unemployment than white workers (table 3.1), and, except for college graduates, are also less likely to find a new job after having lost one (table 3.2).

Workers between the ages of twenty and thirty are 3.2 times more likely to lose a job than fifty-one- to sixty-two-year-olds (table 3.1, column 1), but are 1.5 times more likely to return to work after experiencing unemployment (table 3.2, column 1). Older unemployed workers may pursue new jobs less aggressively, whether because they have access to early retirement benefits or disability benefits or because they are more disillusioned about their employment prospects.

A one percentage point increase in the national unemployment rate is associated with a 10% decline in the likelihood that an unemployed man returns to work (0.906, column 1). This business cycle effect is concentrated among high school dropouts and those who have completed some college (significant coefficients in columns 2 and 4). The probability that unemployed college graduates return to work does not vary significantly with the unemployment rate.

Unemployed workers in the 1970s were about 70% more likely to return to work two years later than were unemployed workers in 2001–2003. Returns to work in the 1980s and 1990s were not significantly different than in the most recent years.

VARIATIONS IN PREDICTED EXIT PROBABILITIES

We use the regression coefficients from a specification like the one shown in table 3.1, but with separate regressions for whites and blacks, to estimate predicted probabilities of the risk of unemployment for a baseline worker between the ages of twenty and thirty, for a hypothetical year during the 1990s, assuming that the unemployment rate was 6%, the mean for the 1968–2003 period. These results are shown in table 3.3. The baseline probability for a worker in each educational attainment category is shown in the top row of the top panel for white men and the top row of the bottom panel for black men.

The risk of unemployment between two years falls as education increases. White high school dropouts have a risk of unemployment of 8.8%, compared to 1.8% for college graduates. For blacks, the risk of unemployment falls from 19.3% for high school dropouts to 6.3% for

Table 3.3 Predicted risk of unemployment, male household heads

those with some college. There are too few black college graduates in the PSID sample to reliably estimate their risk of unemployment.

The racial gap in the risk of unemployment is large—holding education constant, a black worker is about twice as likely to exit to unemployment as a white man. For high school graduates, the risk of unemployment is 10.4% for a young black man and 3.9% for a young white man.

A comparison of the first two rows in each panel of table 3,3 shows that workers ages twenty to thirty have a higher risk of unemployment than those ages thirty-one to forty, for those with a high school degree or less. Among those with some college or a college degree, the age effect is negligible.

Rows 3 through 5 in each panel show how the risk of unemployment varies over recent decades. The risk is highest in the 2001–2003 period and lower in the 1970s and 1980s. For example, the unemployment risk for a young white high school graduate increased from 2.5% in the 1970s to 3.3% in the 1980s to 3.9% in the 1990s to 4.1% in the recent period. For a young black high school graduate, the unemployment risk

over these periods rose from 7.3% to 9.5% to 10.4% to 22.5%.

The bottom two rows in each panel of table 3.3 document that there are large business cycle effects for less-educated workers. An increase in the national unemployment rate from 3.5% to 9.7%—the best and worst rates over the thirty-five-year study period—raises the risk of unemployment from 1.9% to 8.9% for white high school graduates and from 6.5% to 17.7% for black high school graduates.

In table 3.4, we use regression coefficients like those in table 3.2, but estimated separately for white and black men, to compute predicted probabilities of exiting from unemployment back into employment. The baseline worker is again a male household head between the ages of twenty and thirty in the 1990s, evaluated at the mean unemployment rate over the study period. Larger numbers represent better outcomes, indicating the likelihood that a worker who was unemployed at the interview two years ago was working at the current interview.

The most educated are much more likely to return to work than the least educated. For example, 88.8% of unemployed white college graduates return to work compared to 68.5% of high school dropouts. About two-thirds of unemployed blacks with some college, but only 39.6% of black high school dropouts returned to work.

The racial gap in returning to work is large among those with a high school degree or less. Unemployed white high school graduates are twenty percentage points more likely to get a new job than black high school graduates—77.2% compared to 57.3%.

Younger workers are more mobile and move in and out of jobs more often than older workers, especially for less-educated white workers. Among white high school graduates, the probability that an unemployed worker returns to work is 77.2% for those between the ages of twenty and thirty, but only 59.4% for those thirty-one through forty.

The business cycle has its largest effects on the least educated. When unemployment is low, the likelihood that an unemployed high school dropout has returned to work two years later is 75.1% and 50.5%, respectively, for whites and blacks; these rates fall to 59.5% and 27.8%, respectively, when unemployment is high.

MONTHLY TRANSITIONS

The results presented thus far compare a man's employment status at one interview with his status at the interview two years later, ignoring

	HIGH SCHOOL DROPOUT	HIGH SCHOOL GRADUATE	COLLEGE
WHITE MALE BASELINE			
Baseline	68.5	77.2	72.5
Age 31-40	45.0	59.4	77.6
1970s	82.9	90.1	85.0
1980s	79.9	79.0	77.9
2001-2003	73.8	72.0	68.7
Min. unemployment (3.5)	75.1	83.3	83.7
Max. unemployment (9.7)	59-5	68.0	54.2
BLACK MALE BASELINE			
Baseline	39.6	57-3	65.8
Age 31-40	40.1	52.5	59.1
1970s	58.2	69.5	80.1
1980s	51.3	56.1	56.6
2001-2003	42.8	75.4	65.0
Alia impanal amont (a c)	50.5	54.3	71.1
win. unemployment (3.5)	27.8	808	

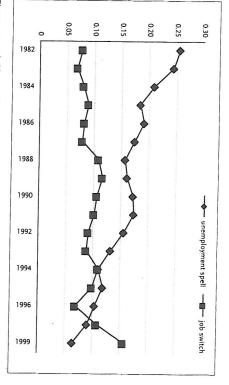
in the PSID (about 38 per year) to make a meaningful prediction

Table 3.4 Predicted likelihood of returning to work, male household heads

experienced any employment instability. views. In the analyses above, these men were considered as not having two-year window for men who were employed at both the t-2 and t interfrom 1982 through 1999, to document transitions that occur during the views. In figure 3.7, we present monthly data, available in the PSID only any transitions into and out of employment that occurred between inter-

moving from employment at interview t-2 to unemployment at t also tell. 1982, to about 6% in the strongest boom year, 1999. This pattern is simunemployment fell dramatically, from 25% in the deepest recessionary year, interviews who were unemployed at some point in the interim. This risk of ilar to the one shown in figure 3.5—between 1982 and 1999, the risk of The line with diamonds shows the fraction of men employed at both

switched employers during the two years between interviews without experiencing any unemployment. The fraction who switched jobs increased from about 8% over a two-year period in the early 1980s to about 15% in The line with squares in figure 3.7 shows the fraction of men who



employed in both year t-2 and year t [Source: Authors' calculations using the PSID, 1968-2003] Figure 3.7 Likelihood of unemployment spell or job switch among male household heads

declines in tenure with a single employer documented by Farber.16 1999. These results reflect the business cycle and are consistent with the

is higher for African Americans, for those with less education, and for younger workers. of experiencing any month of unemployment during a two-year period (not shown), the results are similar to those reported in table 3.1. The risk When we estimate regressions using the 1982-1999 monthly data

college graduates and that of high school dropouts was four percentage gap also increased over these years from two to nine percentage points. points in 1968, but rose to fifteen points in 2003. The racial employment ened relative to those of more advantaged workers. Differences in trends the ages of twenty and sixty-two, the gap between the employment rate of ity household heads are large. Among male heads of household between in the employment rate and unemployment rate of low skilled and minordocumented that the labor market prospects of the disadvantaged worsthat the unemployed return to work using thirty-five years of panel data and We have analyzed changes in the risk of unemployment and the likelihood

unemployment rises and falls as the economy moves into and out of workers than for college graduates and white workers. The risk of The risk of unemployment is higher for less-educated and black

cated and minority workers face a dual disadvantage in the labor market: has increased in each decade from the 1970s to the present. Less eduthey are more likely to lose a job and, at any unemployment rate, are less recessions. However, the risk, holding the unemployment rate constant, likely to find a new one.

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- periods between 1968 and 2003. Interviews were conducted annually between 1968 and 1997 and biennially after that date. As a result, we analyze the change in employment status over two-year
- 5 results we discuss in the section "Monthly Transitions" beginning on p. 59. For these years, we present results that are similar to the interview-to-interview worked at both the t-2 and t interviews were unemployed at some time between We do not evaluate work experiences between interviews. That is, some men who ries between interviews (see Gottschalk and Moffitt, "Changes in Job Instability"). view-to-interview method. For selected years, one can evaluate employment histothese interviews, but are not counted as having exited to unemployment by our inter-
- See Valletta, "Declining Job Security."
- 12 Our sample includes men who are between the ages of twenty and sixty-two in outs than for more-educated workers, the reader should note that dropouts now the relative risk of unemployment has increased more for high school drop-39% of our sample in 1968, but only 13% in 2003; college graduates increased and of the workforce increases over time. For example, high school dropouts were ing than the older workers exiting the sample, the average education of the sample out of the sample. Because the new entrants have completed more years of schoolnineteen in the previous year enter the sample and those who were sixty-two age each year. Thus, in each year of the thirty-five-year study period, men who were represent a much smaller share of the workforce than they did in 1968 from 15% to 29% of the sample over these years. Thus, while we document that
- J3 the authors by Deborah Reed, Public Policy Institute of California). at least a high school degree, but not a college degree (data not shown; provided to teen percentage points for high school dropouts and by five points for men with between the ages of twenty-five and fifty-four, the employment rate fell by seven rent Population Survey. For example, between 1970 and 1999, among white men These male employment-rate trends in the PSID are similar to those in the Cur-
- 4 We estimate logistic regressions for male household heads in which the dependent interviewed two years later. Coefficients are presented as log-odds ratios variable is I if a worker at the time of the t-2 interview was unemployed when
- The first (t-2) year in the PSID is 1968, so the first t year in the tables is 1970.
- 16 See Chapter 1 in this volume. We have estimated regression models similar to able for the 1982–1999 period. Results are available on request from the authors those in tables 3.1 and 3.2 that utilize the monthly work history data that are avail