Almost a quarter of a century after the fall of the Wall, there are still more women in employment in eastern Germany than in the west. Although the disparity is marginal now, the two regions started from dramatically different levels. In 1991, immediately after reunification, the employment rate for women in western Germany was 54.6 percent, but since then it has increased year on year, reaching 67.5 percent in 2012. In eastern Germany, female employment initially plummeted after the fall of the Wall but then sharply increased again and, at 69.1 percent, slightly exceeded the western German rate in 2012.

In both parts of the country, women are more likely to work part-time today than in the past, although, at 27.8 hours per week in 2013, the actual volume of work carried out by eastern German women is considerably higher than in the west (21.7 hours). According to a study conducted by DIW Berlin using Socio-Economic Panel (SOEP) study data, however, many women would prefer to work more hours per week. A comparison of the desired, contractually agreed, and actual weekly working hours of women in the east and west of the country shows that, on average, for eastern German women all values in these three categories far exceed even the maximum value for western German women. In contrast, the majority of employed men in both parts of the country would like to work a 40-hour week, but this is a reality for only 22.6 percent of western German and 29.2 percent of eastern German men. The majority works longer hours, despite the fact that this is unpopular among men. The post-reunification changes had a significant impact on the lifestyles of couples with children: the modernized breadwinner model (father in full-time work/mother part time) is playing an increasing role in both parts of Germany—in western Germany, this has been at the expense of the sole breadwinner model (father as sole earner) and, in the east, at the expense of the equality model (both parents working full-time).

Between 1991 and 2012, the female employment rate in western Germany rose a dramatic 12.9 percentage points to 67.5 percent.1 Yet even in 2012, the employment rate for women in the west was lower than that in the east. There, the female employment rate was temporarily reduced as a result of German reunification (by 9.3 percentage points up to 1995) and then rose again. At 69.1 percent in 2012, the figure was more than two percentage points above the 1991 level (see Table 1). The labor market participation rates showed slightly less convergence. These figures also include unemployment, and can thus be used to derive information on employment orientation. In the east, the labor market participation rate for 2012 was 75.8 percent, more than 5.2 percentage points above that among women in western Germany.

Among men, the 2012 employment rate in western Germany reached the approximate level of 1991, following slumps in the intervening period. In eastern Germany it rose again after declines up to around 2004, but, at 74.3 percent, did not reach the starting level of 78.5 percent. Employment orientation, measured by the labor market participation rate, was almost equal among men in the east and west of Germany at around 82 percent.

In the period to 2012 there was a particularly marked increase in employment among women and men aged 55 and above, in both parts of Germany (see Figure 1). This development can be linked with the gradual disappearance of favorable arrangements for exiting working life before retirement age, the raising of the regular retirement age from 65 to 67, and associated deductions for early retirement in the 2000s. Among younger people up to 25, the employment rate has fallen, which can be ascribed to increased educational participation and longer vocational training periods. In all age groups from 25 years onwards, the female employment rate in

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1 The micro-census figures for 2013 were not yet available at the time of going to press.
The female employment rate in western Germany has increased dramatically. Although the east-west difference in employment volume among mothers with children under 18 in their household has narrowed, it remained very significant in 2012: in eastern Germany, 55.7 percent of mothers worked full time in 2012 (1996: 76.7 percent), in western Germany only 25.2 percent (1996: 37.5 percent). Mothers cohabiting with partners worked full time more often than married mothers.

**Modernized Breadwinner Model Gaining Significance in Both Parts of Germany**

With the rise in employment among mothers in western Germany, the family model for working couples with children has also changed. In this part of Germany, only 30.7 percent of two-parent households live according to the male breadwinner model, with only the father working. In 1996 this figure was 44.8 percent.

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**Share of Mothers Working Full Time Twice as High in East as in West**

The increase in the female employment rate in western Germany in recent years has been driven particularly by a change in employment behavior among mothers. According to Federal Statistical Office figures, the female employment rate has converged: in eastern Germany, it fell 6.6 percentage points between 1996 and 2012 to 62.9 percent, while it rose 9.2 percentage points in the west, to 59.7 percent.

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**Table 1**

<table>
<thead>
<tr>
<th></th>
<th>Labor market participation rate</th>
<th>Employment rate</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Men</td>
<td>Women</td>
</tr>
<tr>
<td>Former West German Länder (not including Berlin)</td>
<td></td>
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</tr>
<tr>
<td>1991</td>
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<td>60.7</td>
</tr>
<tr>
<td>1995</td>
<td>81.3</td>
<td>59.9</td>
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<tr>
<td>2000</td>
<td>80.7</td>
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<tr>
<td>2004</td>
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<td>64.5</td>
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<td>2006</td>
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<tr>
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<tr>
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<td>2012</td>
<td>82.1</td>
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</tr>
<tr>
<td>Former East German Länder (including Berlin)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1991</td>
<td>84.2</td>
<td>77.2</td>
</tr>
<tr>
<td>1995</td>
<td>79.2</td>
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<tr>
<td>2012</td>
<td>82.0</td>
<td>75.8</td>
</tr>
</tbody>
</table>

1 From 2005 onward: annual average.
2 Deviating regional definitions for employment rates 1991 to 2000: former West Germany including West Berlin / former East Germany including East Berlin.

Sources: Federal Statistical Office; table by DIW Berlin.

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**Figure 1**

*Female employment rate in the former West and East German Länder*

In percentage of population for each age group

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**Note:**

In eastern Germany, there has been barely any change (2012: 23.2 percent, 1996: 23.5 percent).

In over half of households with two working parents in eastern Germany, both parents are still in full-time employment (2012: 53.5 percent), thus living according to the equality model. In comparison to 1996, however, when the share was almost three-quarters, it constitutes a drastic decline in this family model (−21.3 percentage points). As many mothers in western Germany have taken up part-time employment, the equality model lost significance there too (2012: 19.1 percent, 1996: 32.6 percent). In the west of Germany, the model of father in full-time employment and mother in part-time employment (the “modernized breadwinner model”) gained ground, accounting for over three-quarters of these two-parent households by 2012 (76.1 percent, 1996: 65.0 percent). Almost all employed fathers in these households still work full time, in both east and west. Thus, the modernized breadwinner model has gained considerable significance in both parts of Germany—in western Germany at the expense of the sole breadwinner model (father as sole earner), in the east at the expense of the equality model.


4 According to other studies on the basis of SOEP, every tenth couple household is supported by a female breadwinner (woman’s share of family income at least 60 percent). This proportion was significantly higher in eastern Germany (15.2 percent) than in western Germany (9.3 percent). Taking lone parents into account, the total share of female breadwinners in Germany was 18 percent of all multi-person economically active households. See U. Klammer, C. Klenner, and S. Pfahl, Frauen als Ernährerinnen der Familie: Politische und rechtliche Herausforderungen. Policy Paper. BMFSF und Max-Planck-Institut für ausländisches und internationales Sozialrecht (2010).

Eastern German mothers work over nine hours longer per week than western German mothers.

According to SOEP figures, the average contractually agreed working time for men in the entire period was approximately 38 hours per week. In 2013 it was 38.3 hours (−0.5 hours compared to 1991). It thus corresponded almost exactly to the desired weekly working time (38 hours, −0.5 hours compared to 1991). The actual weekly working time was well above this figure, most recently almost as high, at 42.2 hours, as in 1991 (42.5 hours). Men’s actual working time initially rose slightly in the course of the economic upturn after 2005, then fell as the economy declined as a result of the financial and economic crisis, only to increase again more recently.

Among women, the average actual and contractually agreed weekly working hours fell from 1991 until around 2003 and then remained relatively stable. As with men, the actual average working time per week was influenced by wider economic factors. In 2013, average actual working time was 32.3 hours (1991: 33.7 hours), thus some two hours higher than the average contractually agreed weekly working time. In 1991 the difference between the actual and contractually agreed figures was one hour. Desired working time was 30.2 hours, remaining almost the same as the 1991 figure (−0.1 hour) and very similar to the average contractually agreed working time (30.3 hours). Thus, there is also a large disparity between desire and reality with respect to average working time volumes for women, though not as large as for men.

Subtracting women’s average weekly working time from that of men, the gender-specific differences in actual and contractually agreed working time increased during the period under observation. In terms of actual working hours, the difference was 9.9 hours in 2013 (+1.1 hour in comparison to 1991), while in terms of contractually agreed working time it was 8 hours (+1.9 hours compared to 1991). However, there was a slight reduction in the gender-specific difference in terms of desired weekly working time (2013: 7.8 hours, 1991: 8.2 hours). During phases of economic upturn, men extended their working time more substantially and thereby contributed to the enlargement of the gender difference in actual and contractually agreed working times. During the economic and financial crisis, the difference then declined again.
Desired and Actual Working Time for Eastern German Mothers Still Significantly Higher than in the West

Whereas this article has so far discussed the changes in family models due to the altered employment patterns of mothers in two-parent households with children, the focus is now on the volume of employment among women and men with children up to 16 in the household; that is, including lone parents (see Figure 2). It becomes clear here that fathers in eastern and western Germany work the same number of hours per week (2013: 43.1 hours) but significantly more than mothers in eastern and western Germany. There are clear east-west differences among mothers, in contrast: in 2013, mothers in eastern Germany worked over nine hours longer, at an average 14.9 hours of actual working time, than mothers in the west (25.5 hours). This difference is linked with the gender regime standard in the GDR. Until 1989, the societal model was a woman in full-time employment, accompanied by practical preconditions such as childcare provision. This major difference to western Germany—where women’s role as mothers was more strongly emphasized, child care was rather privatized, and paid work for mothers was generally seen merely as a source of supplementary income—is presumably the reason why mothers’ desires and realities are on average so strongly divergent in the east and not in the west. Mothers’ desired average weekly working time increased in the west from 1991 to 2013 by 1.4 hours, while it fell by two hours in the east. On average, actual working time in the west now corresponds to mothers’ desired working time (2013: 25.5 hours). In the east, actual working time is two hours higher than the desired time. Thus, the average desired working time among working mothers in eastern and western Germany still differs considerably (by 7.4 hours).

Among fathers, desired and actual working time are much further apart—and at a far higher level—than among mothers. In both parts of Germany since reunification, significanly lower working hours are desired than are actually worked. The difference between actual and desired working time among fathers in the east was most recently 4.3 hours (2013: actual weekly working time 43.1 hours, desired 38.8 hours), and in the west 4.6 hours (actual 43.1 hours, desired 38.5 hours). Fathers’ desired work volume was thus at about the same level as their contractually agreed working time (2013: west 38.8 hours, east 38.6 hours).

Men in Full-Time Employment Want to Work around Five Hours Less per Week

For women in full-time employment, there has been a significant convergence between east and west regarding contractually agreed, desired, and actual working time (see Table 2). This was particularly the case in the most recent years of the observation period, with the convergence coming from both sides. It is interesting

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6 These women and men with children in the household are referred to hereafter as mothers and fathers. Strictly speaking, the children may not be their biological offspring. In some cases, they may be the children of other family members. It is assumed, however, that the adults adopt a function corresponding to a mother/father role toward the children in the household.


8 See Pfau-Effinger, “Welfare State Policies.”
that the average actual weekly working time for women in full-time employment in eastern Germany directly after reunification was 40.5 hours; this was below the corresponding figure for western Germany (41.2 hours). This had already changed by 1992, and women in eastern Germany have since been ahead (1993: 43.3 hours, western Germany: 42.5 hours). In contrast, the average contractually agreed weekly working time of men in full-time employment in eastern Germany fell by 1.2 hours to 39.2 hours per week, while in western Germany there was a slight increase of 0.5 hours between 1991 and 2013 to 39.1 hours. Interestingly, women in full-time employment in western Germany now wish for a weekly working time of 36.4 hours on average, on a similar level to their eastern German counterparts (2013: 36.9 hours, 1991: west 34.7, east 37 hours).

A conspicuous factor among men in full-time employment is the gap between reality and wishes in terms of working time, in all years—this phenomenon was more marked in eastern than western Germany for a long time (see Figure 3). The difference between actual and desired weekly working time reached a peak in 1995 (west 5.3 hours, east 7.6 hours) and then settled at around five hours in both parts of Germany. Between 1991 and 2013, the actual working time of men in full-time employment rose by about one hour. It was roughly equal in both regions by this point (west: 44.3 hours, east: 44.2 hours per week). Desired weekly working time increased in the west (39.2 hours, +0.7) and decreased in the east (39 hours, −1.7 hours). All in all, the gender-specific differences are at their lowest among people in full-time employment.

Women in Part-Time Employment Work Significantly Longer in Eastern Germany than in the West

Part-time and marginal part-time employment are women’s domains in Germany. Only relatively few men take up these forms of employment. The following analysis of reduced paid employment in eastern and western Germany (hereafter “part-time work”) is therefore focused on women.

The clear differences in employment orientation between women in eastern and western Germany previously observed among mothers are repeated among part-time employees in total (see Figure 4). In eastern Germany, all the average working time values examined are above the highest average value among women in western Germany—although to a slightly lesser extent than among mothers specifically. The east-west difference in desired working time is particularly large—indicating dissatisfaction among eastern German women with the volume of their part-time work. The large gap between wishes and reality applies across the entire observation period, although the east-west difference has decreased over time. Whereas eastern German women wanted to work 10.2 hours longer than western German women in 1991, by 2013 this difference was 6.8 hours. A similar development can be observed in contractually agreed working time: the east-west gap has narrowed from 6.2 to 4.9 hours. Although women working part-time in western Germany also want to work more hours, the desired number of working hours was only 1.5 hours above the actual working time, a comparatively small difference (east: +2.2 hours). Looking at the average figures, one might assume a high degree of satisfaction with the vol...
Weekly Working Time in Eastern and Western Germany in 2013 in Detail: Long Weekly Working Hours Also Unpopular among Men

The previous sections have presented average values for weekly working hours among people in full-time and part-time employment. This section examines actual and desired working time in detail and contrasts the percentages of women and men in the various time categories. The analyses refer to the year 2013.

In this analysis, it is once again the major differences between women in western and eastern Germany that stand out (see Figure 5). The majority of employed women in eastern Germany want to work full time or nearly full time. The working time preferences of women in western Germany, however, vary significantly—including in the part-time sector. Almost one-third (32 percent) of employed women in eastern Germany wish for a volume of 40 working hours per week, while only 19 percent are actually employed for 40 hours a week. In western Germany, 18 percent would like to be employed for 40 hours per week and 14 percent actually work this number of hours. The second most frequently desired working time bracket among eastern German women is 30 to 34 hours per week (28 percent). This volume of work is also popular in western Germany (20 percent, although actually worked by only 10 percent) and is preferred slightly more frequently than a working time of 20 to 24 hours per week (15 percent, actually worked by 12 percent). Among women, the disparities between actual and desired working time are greatest in the time brackets 20 to 24 hours and 30 to 34 hours. Women in both parts of Germany rarely wish for a very short working time of below 15 hours or long weeks of over 40 hours. However, it is rather more frequent for women in western Germany to actually work short weeks and for women in eastern Germany to work long weeks.

Actual working time and desired working time are significantly more similar among men in the two parts of Germany (see Figure 6) than among women. The preferred working time is a 40-hour week—favored by 42 percent of western German and 53 percent of eastern German men. However, significantly fewer men actually work this volume of hours (west 23 percent, east 29 percent). Many men work over 40 hours per week, but few of them wish to do so. For example, 14 percent of western German men and 15 percent of eastern German men work 45 hours per week, while only 4 percent (west) and 3 percent (east) want to do so. The differences...
Women’s contractually agreed and actual weekly working time has fallen. The modernized breadwinner model has become more prevalent in both parts of Germany. The most marked differences between eastern and western Germany in the years 1991 to 2012 are found when comparing mothers: mothers in eastern Germany work a considerably higher number of hours. In western Germany, the average contractually agreed and actual working time fell only in the group of mothers, while it rose slightly in all other groups included in the analysis—that is, among fathers and among women and men working full and part time. The desired weekly working time among mothers in western Germany rose by 1.4 hours on average between 1991 and 2013—2.5 hours among women in part-time work and 1.7 hours for women in full-time jobs. In western Germany, since 1991 desired weekly working time has fallen only among fathers, and only to a small extent. The case is different in eastern Germany: there, not only fathers but all other groups in the analysis wanted to work less on average in 2013 than in 1991, though this decrease was greatest among fathers. Although conditions have changed and childcare options have been reduced in many cases, the standard GDR model of the woman in full-time employment still appears to influence women in eastern Germany almost a quarter of a century after reunification.

When looking for potential for expanding the present volume of work—for instance in the context of demographic change—the analysis based on SOEP data confirms that such potential exists first and foremost among women. The extent to which this working time potential can be realized, however, depends essentially on how far the demand for labor can be matched with the supply of labor, for instance with regard to region and qualification.

Many women and men work longer hours than they would like to—even when taking into account changes in their earnings that would result from the preferred working time. Long working weeks of over 40 hours are not popular among either men or women. Women wish for a wider spectrum of working volumes than men. In Germany as a whole, the gender differences in terms of actual and contractually agreed working time have increased from 1991 to 2013. This trend is reversed only when it comes to desired weekly working hours.

The findings indicate a considerable need for organizations to take action on restructuring weekly working time. The decline in labor supply due to demographic change could make that need even more urgent. Future working time models should therefore recognize new divisions of labor within the family as soon as possible. One example is the model of family-friendly working...
times for new fathers and mothers, previously examined by DIW Berlin.\footnote{See, for example, K.-U. Müller, M. Neumann, and K. Wrohlich, “Bessere Vereinbarkeit von Familie und Beruf durch eine neue Lohnersatzleistung bei Familienarbeitszeit,” DIW Wochenbericht 46 (2013).}

\underline{Elke Holst} is a Research Director and Senior Economist on the Executive Board of DIW Berlin | eholst@diw.de
\underline{Anna Wieber} is a Student Assistant at DIW Berlin | awieber@diw.de

JEL: J12, J16, J21, J22

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