

A Service of



Leibniz-Informationszentrum Wirtschaft Leibniz Information Centre

Sologon, Denisa Maria; O'Donoghue, Cathal

#### **Working Paper**

Increased Opportunity to Move up the Economic Ladder? Earnings Mobility in EU: 1994-2001

SOEPpapers on Multidisciplinary Panel Data Research, No. 221

#### **Provided in Cooperation with:**

German Institute for Economic Research (DIW Berlin)

Suggested Citation: Sologon, Denisa Maria; O'Donoghue, Cathal (2009): Increased Opportunity to Move up the Economic Ladder? Earnings Mobility in EU: 1994-2001, SOEPpapers on Multidisciplinary Panel Data Research, No. 221, Deutsches Institut für Wirtschaftsforschung (DIW), Berlin

This Version is available at: https://hdl.handle.net/10419/150768

#### Standard-Nutzungsbedingungen:

Die Dokumente auf EconStor dürfen zu eigenen wissenschaftlichen Zwecken und zum Privatgebrauch gespeichert und kopiert werden.

Sie dürfen die Dokumente nicht für öffentliche oder kommerzielle Zwecke vervielfältigen, öffentlich ausstellen, öffentlich zugänglich machen, vertreiben oder anderweitig nutzen.

Sofern die Verfasser die Dokumente unter Open-Content-Lizenzen (insbesondere CC-Lizenzen) zur Verfügung gestellt haben sollten, gelten abweichend von diesen Nutzungsbedingungen die in der dort genannten Lizenz gewährten Nutzungsrechte.

#### Terms of use:

Documents in EconStor may be saved and copied for your personal and scholarly purposes.

You are not to copy documents for public or commercial purposes, to exhibit the documents publicly, to make them publicly available on the internet, or to distribute or otherwise use the documents in public.

If the documents have been made available under an Open Content Licence (especially Creative Commons Licences), you may exercise further usage rights as specified in the indicated licence.





www.diw.de



## **SOEPpapers**

on Multidisciplinary Panel Data Research



Denisa Maria Sologon • Cathal O'Donoghue

Increased Opportunity to Move up the Economic Ladder? Earnings Mobility in EU: 1994-2001

Berlin, September 2009

#### **SOEPpapers on Multidisciplinary Panel Data Research**

at DIW Berlin

This series presents research findings based either directly on data from the German Socio-Economic Panel Study (SOEP) or using SOEP data as part of an internationally comparable data set (e.g. CNEF, ECHP, LIS, LWS, CHER/PACO). SOEP is a truly multidisciplinary household panel study covering a wide range of social and behavioral sciences: economics, sociology, psychology, survey methodology, econometrics and applied statistics, educational science, political science, public health, behavioral genetics, demography, geography, and sport science.

The decision to publish a submission in SOEPpapers is made by a board of editors chosen by the DIW Berlin to represent the wide range of disciplines covered by SOEP. There is no external referee process and papers are either accepted or rejected without revision. Papers appear in this series as works in progress and may also appear elsewhere. They often represent preliminary studies and are circulated to encourage discussion. Citation of such a paper should account for its provisional character. A revised version may be requested from the author directly.

Any opinions expressed in this series are those of the author(s) and not those of DIW Berlin. Research disseminated by DIW Berlin may include views on public policy issues, but the institute itself takes no institutional policy positions.

The SOEPpapers are available at <a href="http://www.diw.de/soeppapers">http://www.diw.de/soeppapers</a>

#### **Editors:**

Georg Meran (Dean DIW Graduate Center) Gert G. Wagner (Social Sciences) Joachim R. Frick (Empirical Economics) Jürgen Schupp (Sociology)

Conchita **D'Ambrosio** (Public Economics)

Christoph Breuer (Sport Science, DIW Research Professor)

Anita I. **Drever** (Geography)

Elke **Holst** (Gender Studies)

Martin **Kroh** (Political Science and Survey Methodology)

Frieder R. Lang (Psychology, DIW Research Professor)

Jörg-Peter **Schräpler** (Survey Methodology)

C. Katharina **Spieß** (Educational Science)

Martin Spieß (Survey Methodology, DIW Research Professor)

ISSN: 1864-6689 (online)

German Socio-Economic Panel Study (SOEP) DIW Berlin Mohrenstrasse 58 10117 Berlin, Germany

Contact: Uta Rahmann | urahmann@diw.de

## INCREASED OPPORTUNITY TO MOVE UP THE ECONOMIC LADDER? EARNINGS MOBILITY IN EU: 1994-2001

Work in Progress

# Denisa Maria Sologon Maastricht University, Maastricht Graduate School of Governance Harvard University, Harvard Kennedy School of Government denisa.sologon@maastrichtuniversity.nl

Cathal O'Donoghue
Teagasc Rural Economy Research Centre; NUI Galway; IZA and ULB
Cathal.ODonoghue@teagasc.ie

**ABSTRACT** 

INCREASED OPPORTUNITY TO MOVE UP THE ECONOMIC LADDER?

**EARNINGS MOBILITY IN EU: 1994-2001** 

Do EU citizens have an increased opportunity to improve their position in the distribution of

earnings over time? This question is answered by exploring short and long-term wage

mobility for males across 14 EU countries between 1994 and 2001 using ECHP. Mobility is

evaluated using rank measures which capture positional movements in the distribution of

earnings. All countries recording an increase in cross-sectional inequality recorded also a

decrease in short-term mobility. Among countries where inequality decreased, short-term

mobility increased in Denmark, Spain, Ireland and UK, and decreased in Belgium, France

and Ireland. Long-term mobility is higher than short-term mobility, but long-term persistency

is still high in all countries. The lowest long-term mobility is found in Luxembourg followed

by four clusters: first, Spain, France and Germany; second, Netherlands, and Portugal; third,

UK, Italy and Austria; forth, Greece, Finland, Belgium and Ireland. The highest long-term

mobility is recorded in Denmark.

JEL Classification: C23, D31, J31, J60

Keywords: panel data, wage distribution, inequality, mobility

Corresponding Author:

Denisa Maria Sologon

Maastricht Graduate School of Governance

Maastricht University

Kapoenstraat 2, KW6211

Maastricht

The Netherlands

Email: denisa.sologon@maastrichtuniversity.nl

#### 1. Introduction

Do EU citizens have an increased opportunity to improve their position in the distribution of earnings over time? This question is relevant in the context of the EU labour market policy changes that took place after 1995 under the incidence of the 1994 OECD Jobs Strategy, which recommended policies to increase wage flexibility, lower non-wage labour costs and allow relative wages to reflect better individual differences in productivity and local labour market conditions. (OECD, 2004) Following these reforms, the labour market performance improved in some countries and deteriorated in others, with heterogeneous consequences for cross-sectional earnings inequality and earnings mobility. Averaged across OECD, however, gross earnings inequality increased after 1994. (OECD, 2006)

Some people argue that rising annual inequality does not necessarily have negative implications. This statement relies on the "offsetting mobility" argument, which states that if there has been a sufficiently large simultaneous increase in mobility, the inequality of income measured over a longer period of time, such as lifetime income or permanent income - can be lower despite the rise in annual inequality, with a positive impact on social welfare. This statement, however, holds only under the assumption that individuals are not averse to income variability, future risk or multi-period inequality. (Creedy and Wilhelm, 2002; Gottschalk and Spolaore, 2002) Therefore, there is not a complete agreement in the literature on the value judgement of income mobility. (Atkinson, Bourguignon, and Morrisson, 1992)

Those that value income mobility positively perceive it in two ways: as a goal in its own right or as an instrument to another end. The goal of having a mobile society is linked to the goal of securing equality of opportunity in the labour market and of having a more flexible and efficient economy. (Friedman, 1962; Atkinson et al., 1992) The instrumental justification for mobility takes place in the context of achieving distributional equity: lifetime equity depends on the extent of movement up and down the earnings distribution over the lifetime. (Atkinson et al., 1992) In this line of thought, Friedman (1962) underlined the role of social mobility in reducing lifetime earnings differentials between individuals, by allowing them to change their position in the income distribution over time. Thus earnings mobility is perceived in the literature as a way out of poverty. In the absence of mobility the same individuals remain stuck at the bottom of the earnings distribution, hence annual earnings differentials are transformed into lifetime differentials.

This paper explores earnings mobility across 14 EU countries over the period 1994-2001 using ECHP to identify the possible consequences of the labour market changes occurred across Europe after 1995. We are interested in mobility as the degree of opportunity to better ones position in the earnings distribution over time. The second aspect of mobility mentioned above – as equalizer of lifetime earnings differentials – is left for future research. The comparative perspective aims to shed light on the link between the evolution of earnings mobility and cross-sectional earnings inequality.

The question regarding the degree of wage mobility is vitally important from a welfare perspective, particularly given the large variation in the evolution of cross-sectional wage inequality across Europe over the period 1994-2001. It is highly relevant to understand what the source of this variation is. Did the increase in cross-sectional wage inequality observed in some countries result from greater transitory fluctuations in earnings and individuals facing a higher degree of earnings mobility? Or is this rise reflecting increasing permanent differences between individuals with mobility remaining constant or even falling? What about countries which recorded a decrease in cross-sectional earnings inequality? Can increased mobility be a factor behind shrinking earnings differentials? In some countries, earnings distribution might not change to a large extent over a period of one or two years, and the core question is what happens in different parts of the distribution. Are the same people stuck at the bottom of the earnings distribution over different time horizons? Did mobility patterns change over time? Are there common trends in earnings inequality and mobility across different countries? What lessons can we learn from the different mobility approaches?

Mobility is assumed to be exogenous and is measured using two approaches based on rank measures which capture positional movements in the distribution of earnings. The first one is based on estimating transition probabilities between earnings quintiles and the second one on the changes in the individual ranks in the earnings distribution between different time periods.

#### 2. LITERATURE REVIEW

The number of comparative studies on earnings mobility is limited because of the lack of sufficiently comparable panel cross-country data. Most of the existing studies focus on comparison between the US and a small number of European countries.

Aaberge, Bjorklund, Jantti, Palme, Pedersen, Smith, and Wannemo (2002) compared income (family income, disposable income and earnings) inequality and mobility in the Scandinavian countries and the United Stated during 1980-1990. They measured mobility as the proportionate reduction of inequality when the accounting period of income is extended and found low mobility levels for all countries. Independent of the accounting period, they found that earnings inequality is higher in the US than in the Scandinavian countries. Mobility is higher for the US only for long accounting periods. They also found evidence of greater dispersion of first differences of relative earnings and income in the United States.

Brukhauser and Poupore (1997) and Brukhauser, Holtz-Eakin, and Rhody (1998) found that, the US, in spite of having a higher earnings or disposable income dispersion than Germany, its mobility is similar with Germany between 1983 and 1988.

Fritzell (1990) studied mobility in Sweden using mobility tables from 1973 and 1980 and compared them with Duncan and Morgan (1981) for the US for the period 1971 and 1978, and found remarkable similarities between the two countries.

OECD (1996, 1997) presented a variety of comparisons of earnings inequality and mobility across OECD countries over the period 1986-1991. The results vary depending on the definition and measure of mobility.

At the EU level, no study attempted to analyse and to understand in a comparative manner earnings mobility and its link with earnings inequality over a more recent period and covering a longer time frame than six years. By exploiting the eight years of panel in ECHP, our paper aims to fill part of that gap and to make a substantive contribution to the literature on crossnational comparisons of mobility at the EU level.

#### 3. METHODOLOGY

There are many approaches to measuring mobility. (Fields and Ok, 1999; Fields, Leary, and Ok, 2003) We focus on two rank measures, which capture positional movements in the distribution of earnings. The first one is derived from the transition matrix approach between income quintiles and other labour market states, and the second one is based on individual ranks, as derived by Dickens (1999).

We estimate two types of mobility measures:

- short-term mobility M(t, t+1) defined as mobility between periods one year apart, meaning between year t and year t+1. This is used to assess the pattern of short-term mobility over time, between M(1994, 1995) and M(2000, 2001).
- longer period mobility M(t, t+7) defined as mobility between periods seven<sup>1</sup> years apart, meaning between year t and year t+7. This will be compared with short-term mobility to assess the extent to which mobility increases with the time span.

Finally, we explore the link between short and long-term mobility and the evolution of yearly inequality: first, the link between the relative change in  $M(t, t+1)^2$  and in  $I(t+1)^3$  over the sample period; second the link between the relative difference between mobility the first land last wave, M(t,t+7), and the relative change in inequality between the first and last wave<sup>4</sup>.

#### 3.1. Transition Matrix Approach to Mobility

Mobility measures derived from transition probabilities between different earnings ranges (e.g. quintiles) or between different labour market states are purely relative. For example, in the case of earnings transition probabilities, in a country with a low level of cross-sectional earnings inequality, a modest increase in earnings could cause a large change in an individual's relative position. The same quintile transition in a second country, with high cross-sectional inequality, would require a larger percentage increase in earnings. Thus, equal transition probabilities indicate similar relative mobility, meaning that the frequency of changes in the earnings rankings is the same in both countries, but earnings volatility is

<sup>&</sup>lt;sup>1</sup> 6 for Luxembourg and Austria and 5 for Finland.

<sup>&</sup>lt;sup>2</sup> M(1994,1995) to M(2000,2001)

<sup>&</sup>lt;sup>3</sup> I(1995) to I(2001)

<sup>&</sup>lt;sup>4</sup> The link between M(1994,2001) and the relative difference between I(1994) and I(2001)

higher in the second country. The extent of relative mobility has important implication for long-period or lifetime inequality.(OECD, 1996)

The information contained in the transition matrices can be summarized by several immobility indices, which allows one to create mobility rankings. Two of them are selected for summarizing the transitions between the earnings quintiles: the immobility ratio and the average jump. (Atkinson et al., 1992)

The immobility ratio measures the percentage of people staying in the same quintile or entering the quintile immediately above/below. Because the immobility ratio focuses on the near-diagonal entries, it is insensitive to the movement outside the diagonal. (Atkinson et al., 1992). One popular alternative which circumvents this problem is the average jump (AJ):

$$Aj = \frac{\sum_{i=1}^{q} \sum_{j=1}^{q} |i - j| \cdot p_{ij}}{q}$$
 (0.1)

where q is the number of quantiles,  $p_{ij}$  is the transition rate located in row i and column j. AJ represents the absolute value of the difference in rank, measured in quintiles, in one distribution compared to the other. One drawback of the AJ is that it is insensitive to purely exchange mobility.

In order to be interpretable, these measures of immobility need to be compared with the mobility achieved under "perfect mobility", meaning where the probability of occupying each rank is independent of the starting point. (Atkinson et al., 1992) For a transition matrix defined in terms of quintiles, perfect mobility means that the probability of moving into a particular rank from one period to the next is 0.2. The immobility ratio under the assumption of perfect mobility for a transition matrix defined in terms of quintiles equals 0.52<sup>5</sup>. The expected AJ under the assumption of perfect mobility for a quintile transition matrix equals 1.6. Therefore, the value of the immobility ratio should be compared with 52% (base line for perfect mobility) and the value of the AJ should be compared with 1.6 (base line for perfect mobility).

\_

<sup>&</sup>lt;sup>5</sup> (2\*0.2+3\*0.2+3\*0.2+3\*0.2+2\*0.2)/5=0.52

#### 3.2. Alternative approach to mobility (Dickens 1997, 2000)

The main limitation of the transition matrix approach to mobility is that it fails to capture the movement within each earnings quintile or income group. An alternative approach to the quintile transition matrices presented above is to compute the ranking of the individuals in the wage distribution for each year and examine the degree of movement in percentile ranking from one year to the next. (Dickens, 1999) For each mobility comparison only individuals that have earnings in both periods are considered.

One way to give an indication of the level of mobility is to plot the percentile rankings for pairs of years. If there is no mobility, meaning that each individual preserves his/her rank in the income distribution from one period to the next, then the plot looks like a 45-degree line that starts at the origin. If there is no association between earnings from different years, then one would expect a random scatter.

Following Dickens (1999), the percentile rankings can be used to construct a measure of mobility based on the degree of change in ranking from one year to the other. The measure of mobility between year t and year s is:

$$M = \frac{2 \cdot \sum_{i=1}^{N} |F(w_{it}) - F(w_{is})|}{N}$$
(0.2)

where  $F(w_{it})$  and  $F(w_{is})$  are the cumulative distribution function for earnings in year t and year s and N is the number of individuals that record positive earnings in both year t and year s. Based on this measure, the degree of mobility equals twice the average absolute change in percentile ranking between year t and year s. When there is no mobility and people hold their position in the income distribution from year t to year s, the difference between  $F(w_{it})$  and  $F(w_{is})$  is equal to 0 for all individuals, and therefore M is equal to 0. The index takes a maximum value of 1 if earnings in the two years are perfectly negatively correlated, meaning that in the second period there is a complete reversal of ranks, and the value 2/3 if earnings in the two periods are independent. The robustness of this measure of mobility was discussed in Dickens (1999).

The study is conducted using the European Community Household Panel (ECHP)<sup>6</sup> over the period 1994-2001 for 14 EU countries. Not all countries are present for all waves. Luxembourg and Austria are observed over a period of 7 waves (1995-2001) and Finland over a period of 6 waves (1996-2001). Following the tradition of previous studies, the analysis focuses only on men.

A special problem with panel data is that of attrition over time, as individuals are lost at successive dates causing the panel to decline in size and raising the problem of representativeness. Several papers analysed the extent and the determinants of panel attrition in ECHP. A. Behr, E. Bellgardt, U. Rendtel (2005) found that the extent and the determinants of panel attrition vary between countries and across waves within one country, but these differences do not bias the analysis of income or the ranking of the national results. L.Ayala, C. Navrro, M.Sastre (2006) assessed the effects of panel attrition on income mobility comparisons for some EU countries from ECHP. The results show that ECHP attrition is characterized by a certain degree of selectivity, but only affecting some variables and some countries. Moreover, the income mobility indicators show certain sensitivity to the weighting system.

In this paper, the weighting system applied to correct for the attrition bias is the one recommended by Eurostat, namely using the "base weights" of the last wave observed for each individual, bounded between 0.25 and 10. The dataset is scaled up to a multiplicative constant<sup>7</sup> of the base weights of the last year observed for each individual.

For this study we use real net<sup>8</sup> hourly wage adjusted for CPI of male workers aged 20 to 57, born between 1940 and 1981. Only observations with hourly wage lower than 50 Euros and higher than 1 Euro were considered in the analysis. The resulting sample for each country is an unbalanced panel. Details on the number of observations, inflows and outflows of the sample by cohort over time for each country are provided in Table 1.

\_

<sup>&</sup>lt;sup>6</sup> The European Community Household Panel provided by Eurostat via the Department of Applied Economics at the Université Libre de Bruxelles.

<sup>&</sup>lt;sup>7</sup> The multiplicative constant equals e.g. p\*(Population above 16/Sample Population). The ratio p varies across countries so that sensible samples are obtained. It ranges between 0.001-0.01.

<sup>&</sup>lt;sup>8</sup> Except for France, where wage is in gross amounts

#### 5. CHANGES IN THE CROSS-SECTION EARNINGS DISTRIBUTION OVER TIME

This section presents the changing shape of the cross-sectional distribution of earnings for men over time. Figure 1 illustrates the frequency density estimates for the first wave<sup>9</sup>, 1998 and 2001 earnings distributions and Table 2 illustrates the evolution of the other moments of the earnings distribution over time. The evolution of mean net hourly wage shows that men in most countries got richer over time, except for Austria. Net hourly earnings became more dispersed in most countries, except for Austria, France and Denmark.

Plotting the percentage change in mean hourly earnings between the beginning of the sample period and 2001 at each point of the distribution for each country (Figure 2), revealed that, in most countries, the relationship between the quantile 10 rank and growth in real earnings is negative and nearly monotonic: the higher the rank, the smaller the increase in earnings. This shows that in most countries, over time, the situation of the low paid people improved to a larger extent than for the better off ones. In Austria, people at the top of the distribution experience a decrease in mean hourly wage over time, which might explain the decrease in the overall mean.

Netherlands, Germany, Greece and Finland diverge in their pattern from the other EU countries experiencing a higher relative increase in earnings the higher the rank. Netherlands is the only country where men at the bottom of the income distribution recorded a deterioration of their work pay. For these countries, the increase in the overall mean might be the result of an increase in the earnings position of the better off individuals, not the low paid ones.

To complete the descriptive picture of the cross-sectional earnings distribution over time, we provide also inequality measures. Inequality indices differ with respect to their sensitivity to income differences in different parts of the distribution. Therefore they illustrate different sides of the earnings distribution. The year-to-year changes in earnings inequality are captured by computing the ratio between the mean earnings in the 9th decile and the 1st

-

<sup>&</sup>lt;sup>9</sup> For Luxembourg and Austria, the first wave was recorded in 1995, whereas for Finland in 1996.

<sup>&</sup>lt;sup>10</sup> 100 Quantiles

decile (Figure 3), the Gini index, the GE indices - the Theil Index (GE(1)) -, and the Atkinson inequality index evaluated at an the aversion parameter equal to 1 (Table 3). 11

The ratio between the mean earnings in the 9th decile and the 1st deciles focuses only on the two ends of the distribution. The Gini index is most sensitive to income differences in the middle of the distribution (more precisely, the mode). The GE with a negative parameter is sensitive to income differences at the bottom of the distribution and the sensitivity increases the more negative the parameter is. The GE with a positive parameter is sensitive to income differences at the top of the distribution and it becomes more sensitive the more positive the parameter is. For the Atkinson inequality indices, the more positive the "inequality aversion parameter" is, the more sensitive the index is to income differences at the bottom of the distribution.

The level and pattern of inequality over time as measured by the ratio between the mean earnings in the 9th decile and the 1st decile differs to a large extent between the EU14 countries. Two clusters can be identified. The first one is comprised of Netherlands, Begium, Italy, Finland, Austria and Denmark and is characterized by a small relative distance between the bottom and top of the distribution. The other cluster identifies countries with a higher level of inequality, with ratios between 2.75 and 4.

In 1994, based on the Gini index, Portugal is the most unequal, followed by Spain, France, Ireland, UK, Greece, Germany, Italy, Belgium, Netherlands and Denmark. In general, the other two indices confirm this ranking. However, using the Theil index, France appears to be more unequal than Spain, whereas using the Atkinson index, Ireland appears to be more unequal than France and as equal as Spain.

In 2001, based on the Gini index, Portugal is still the most unequal, followed by France, Greece, Luxembourg, Spain, UK, Germany, Ireland, Netherlands, Italy, Finland, Belgium, Austria and Denmark. In general, the other two indices confirm this ranking. Based on Theil, however, Greece is more unequal than France, and Spain than Luxembourg. Based on Atkinson, Luxembourg is more unequal than Greece.

<sup>&</sup>lt;sup>11</sup> Besides these indices, several others were computed (GE(-1); GE(0), GE(2), Atkinson evaluated at different values of the aversion parameter) and can be provided upon request from the authors. They support the findings shown by the reported indices.

For most countries, all indices show a consistent story regarding the evolution of inequality over the sample period, except for Germany, France and Portugal, where the evolution of the Gini, Theil and Atkinson index is opposite to the one observed for the D9/D1. Based on Gini, Theil and Atkinson, Netherlands, Greece, Finland, Portugal, Luxembourg, Italy and Germany recorded an increase in yearly inequality, and the rest a decrease.

The relative evolution over the sample period is captured in Figure 4, which illustrates for each country, the change in inequality as measured by Gini, Theil, Atkinson index and the D9/D1. Based on Gini, the highest increase in inequality was recorded by Netherlands (around 15%), followed by Greece, Finland, Portugal, Luxembourg, Italy and Germany. The highest decrease was recorded in Ireland (around 20%), followed by Austria, Denmark, Belgium, Spain, France and UK. Based on the Theil index, Portugal records a higher increase than Finland, Italy a higher increase than Luxembourg and Spain a higher decrease than Belgium. Based on Atkinson index, Portugal records a higher increase than Finland and UK a higher decrease than France.

For Netherlands, Finland and Greece the increase in the distance between the top and bottom of the distribution and in the overall level of inequality can be explained by the improved earnings position of the better off individuals. Hence in these countries, the economic growth benefitted the high income people and leaded to an increase in earnings inequality.

Luxembourg and Italy recorded an increase in inequality based on all indices, but the situation at the bottom improved to a larger extent than for the top. Thus the increase in inequality might be the result of other forces affecting the distribution, such as mobility in the bottom and top deciles.

For France, the relative distance between the top and the bottom 10% appears to increase over time, in spite of a higher relative increase in mean earnings at the bottom of the distribution compared with the top. This discrepancy could be explained by the presence of earnings mobility in the bottom and top 10% of the earnings distribution. The improved conditions for people in the bottom of the distributions could explain the decrease in earnings inequality as displayed by the other three indices.

Germany records opposite trends from France: the situation of the better off individuals improved to a larger extent than for low paid ones, which explains the increase in the overall inequality as captured by the Gini, Theil and Atkinson indices. The evolution of the ratio

between mean earnings at the top and the bottom deciles is opposite to what was expected: the decrease might suggest that there are other forces at work, such as mobility in the top part of the distribution, which determined mean earnings to decrease for this group.

Portugal records similar trends with Germany, except for the negative correlation between the rank in the earnings distribution and the growth in earnings. Thus, the fact that low paid individuals improved their earnings position to a higher extent relative to high paid individuals, lowering the distance between the bottom and the top deciles of the earnings distribution did not have the expected effect of lowering overall earnings inequality as measured by the Gini, Theil and Atkinson indices. Mobility is expected to be the factor counteracting all these movements.

For the rest of the countries, the increase in the overall mean, coupled with the higher relative increase in the earnings position of the low paid individuals compared with high earnings individuals can be an explanation for their decrease in inequality.

Besides the direction of evolution, also the magnitude of the change records differences among inequality indices. In general, the magnitude of the change is the highest for the index that is most sensitive to the income differences at the top of the distribution, followed by bottom and middle sensitive one, sign that most of the major changes happened at the top and the bottom of the distribution. There are a few exceptions. In UK, Spain, Belgium and Denmark the magnitude of the evolution is the highest for the bottom sensitive one, followed by the top and middle ones.

### 6. LINKING EARNINGS INEQUALITY AND MOBILITY: INDIVIDUAL MOVEMENTS WITHIN THE DISTRIBUTION OVER TIME

When analysing the change in the distribution of earnings, one has to pay attention to two basic characteristics. First, how far apart are individuals in terms of their wage and to what extent does the ranking of each individual change from one period to the next. Section 5 offered a broad overview of the first characteristic. This section focuses on the second one and analyses the intra-distributional mobility of earnings over the period 1994 - 2001.

#### 6.1. Mobility among labour market states

To understand mobility patterns over time, it is informative to inspect mobility both within the wage distribution and into and out of the distribution to other employment states. For this purpose, we compute the quintiles of the wage distribution and present short-term and long-term transitions both between quintiles and to other employment states. <sup>12</sup>

Table 4 presents one-year period transition matrices for men between the first and second wave and between 2000 and 2001. For all countries, one-year labour market transition matrices portray a picture of persistence, with little short-term mobility. The diagonal elements of these matrices are much higher than the off-diagonal elements, suggesting a low degree of mobility from one period to the next, both in terms of quintiles of the earnings distribution and in states outside of employment. The concentration around the diagonal decreases the further one moves from the diagonal, indicating that those individuals that do change their labour market position from one period to the next, do not move very far.

In most countries, individuals in the lowest two quintiles are more likely to enter unemployment and inactivity compared with the rest of the distribution. Netherlands is an exception, where the top and the bottom of the distribution have similar high rates of entering unemployment and inactivity. Similarly, those unemployed and inactive that managed to get a job in the next period are more likely to enter the lower quintiles of the distribution. These findings are consistent with previous findings, for example Dickens (2000) for UK over the period 1975-1994.

In the beginning of the sample period, the highest short-term persistence in unemployment was recorded in Ireland, Luxembourg, Italy, Finland, Belgium and Austria where between 62.45% and 50.63% kept their status from one year to the next, followed by Spain and Netherlands with 46% and 42.92%, and Germany, UK, Greece, Portugal, France and Denmark with rates between 39.42% and 34%. The highest persistency in inactivity was recorded in France, Belgium, Ireland and Portugal where more than half kept the same status in 1995. Over time, short-term mobility out of unemployment increased in Luxembourg, Ireland, Italy, Spain, Portugal, Austria and Finland, whereas short-term mobility out of inactivity increased only in Belgium, France and UK.

Looking at the pattern of mobility over a longer time span (Table 5), mobility measured over the whole sample period is higher than one-period mobility: the concentration along the diagonal is much less than when measured over one year. These trends are consistent with

\_

<sup>&</sup>lt;sup>12</sup> Short-term transitions are defined as transitions from one year to the next. Long-term transitions are defined as transitions from the first to the last wave.

previous findings. (Atkinson et al., 1992; OECD, 1996; Dickens, 1999) The highest long-term persistency in unemployment is found in Belgium, UK, Italy, Germany and Spain, where between 23% and 12% maintained their status in 2001. The highest persistency in inactivity is in France, Belgium, Portugal, Spain, Netherlands and Ireland with rates between 29% and 23%.

#### 6.2. The transition matrix approach to mobility among income quintiles

Having introduced the general picture of mobility between different labour market states, the next step is to explore short and long-term mobility between income classes, as well as how short-term earnings mobility patterns changed over time.

Short-term earnings transition matrices (Table 6) portray a picture of persistence, with little mobility over a one-year period: the diagonal elements of these matrices are much higher than the off-diagonal elements. All rows display high predictability and origin dependence (the transition probabilities are not equal) meaning that the position in the earnings distribution the next period depends heavily on the initial state. The concentration around the diagonal decreases the further one moves from the diagonal, indicating that those individuals that do change their income position from one period to the next, do not move very far. For all countries, short-term persistency appears to be the highest for the top quintile, followed by the bottom and middle ones.

Of those in the lowest quintile in the first wave, the highest percentage of people that were still in the lowest quintile one year later is recorded in Luxembourg (76.59%), followed by Germany (71.28%), Italy, France, Finland, Netherlands and Ireland, with values between 60% and 70%, and Portugal, Austria, UK, Denmark, Spain, Belgium and Greece, with values between 50% and 60%.

For the middle quintile, in the first wave, the highest mobility is observed in Austria, where 27.53% maintained their state from one year to the next, followed by Denmark (32.22%), Greece, Finland, Spain, Italy, Belgium, Ireland and Germany with a persistency between 40% and 50%, France, UK and Portugal with values between 50% and 55%, and finally Luxembourg, where 68.15% of those in the middle quintile in the first wave maintained their earnings position until the next period.

For the top quintile, Portugal, followed by Germany, UK, Netherlands, Ireland, Spain record the highest persistency in the first wave, with a probability of over 80% of remaining in the

same state one year later. Next follow Luxembourg, Belgium, Italy, France and Finland, with a probability between 80% and 70%, Austria, Denmark and Greece, with a probability between 70% and 60%.

Over time, short-term income mobility for individuals belonging to the first quintile decreased in all countries, with three exceptions: Luxembourg, Spain and Finland. Middle quintiles recorded a decrease in short-term mobility, except for UK, Belgium, and Ireland which did not change in mobility. Short-term mobility increased for the top quintile in Germany, Netherlands, Ireland, Spain and Portugal, and decreased in the rest. A decrease in short-term mobility over time suggests that in 2000-2001, low paid individuals find more difficult to move up the income distribution compared with the first two waves. For the middle quintile, mobility increased only in Belgium, UK and Portugal.

In 2000-2001, for the bottom quintile the highest persistency was recorded in Portugal, Germany, Austria, Belgium, Netherlands and Luxembourg where between 78% and 70% remained in the same income group, followed by Greece, France, Ireland, Denmark with probabilities between 69% and 60%, and UK, Finland, Italy and Spain with rates between 59% and 49%. For the middle quintile, the persistency is high in Luxembourg, Greece, Portugal, France, Austria, UK, Germany, Italy, and Netherlands with rates between 68% and 50%, and the rest with rates between 47% (Spain) and 32% (Denmark). For the top quintile, all countries have a high persistency: between 87% (Luxembourg) and 73% (Finland) remained in the same earnings group.

As expected, for most countries and most income quintiles, long-term mobility (Table 10) appears to be higher compared with short-term mobility, but the persistency is still very high. The concentration along the diagonal is less than when measured over just one year.

For those in the bottom quintile in the first wave, the degree of long-term persistency is the highest in Germany, Austria, Finland, Portugal and France, where between 49% and 41% remained in the same earnings quintile in 2001, followed by Luxembourg, Netherlands, Spain, Belgium, Italy, Denmark, UK, Greece and Ireland, with values between 40% and 23% The mobility of the bottom quintile is higher than mobility of the middle quintile in Denmark, Luxembourg, UK, Ireland and Greece. From those in the middle quintile in the first wave, between 21% (Austria) and 45% (Luxembourg) are still in the middle quintile in the last wave. For those in the top quintile, the persistency is much higher, ranging between 88% and

and 71% for Spain, Luxembourg, Portugal, Netherlands, Ireland, Germany, UK and Italy, and between 69% and 57% for Belgium, France, Finland, Austria, Greece and Denmark.

The decreasing degree of persistence with the time span is consistent with previous research which proved that the transitory component of earnings dies off after a certain number of years. The effects of the transitory shocks which might have affected earnings in one year are expected to diminish with time, determining people that experienced the transitory shocks to regain their pre-shock position in the earnings distribution. Exceptions from this trend are observed for the top quintile in Luxembourg and Greece, where long-term mobility is roughly equal to short-term mobility, suggesting the existence of high permanent differences between individual earnings, and in Spain, where long-term mobility decreased compared to short-term mobility.

The information in the transition matrices can be summarized by the immobility ratio and the average jump. Figure 5, Figure 6 and Table 11 illustrate short and long-term immobility ratios and average jump (AJ) for the earnings quintiles transition matrices, both in absolute values and relative to the case of perfect mobility. For the interpretation, we use the ones relative to the case of perfect mobility.

Short-term immobility ratios for all countries over time (Figure 5) have values between 1.6 and 1.9 times the immobility ratio for the case of perfect mobility, suggesting a very high degree of persistency on or close the diagonal from one year to the next. In the first wave, Greece has the lowest persistency, followed by Austria, Belgium, Denmark, Italy and Finland, and, at a higher level, by Spain, France, Portugal, Ireland, UK, Germany, Netherlands and Luxembourg.

Short-term average jump over time (Figure 6) records values between 0.15 and 0.4 of the value under perfect mobility, suggesting a low to moderate degree of mobility outside the diagonal for all countries. In the first wave, the lowest average jump is recorded in Luxembourg (above 0.2), followed by Germany, Portugal and Netherlands (with values close to 0.3), UK, France, Ireland, Spain, Italy, Finland, Belgium and Denmark (with values between 0.3 and 0.4), and Austria and Greece (with values greater than 0.4).

As illustrated in Figure 5 and Figure 6, some countries recorded a decrease and others an increase in short-term mobility over time. In general, over time, the evolution of the immobility ratio appears to be negatively associated with the evolution of the average jump:

the larger the increase in mobility on and close to the diagonal (decrease in immobility ratio), the larger the increase in mobility away from the diagonal (increase in average jump) and vice versa.

Greece, Austria, Belgium, France, Italy, Portugal, Germany, Luxembourg and Finland recorded a decrease in mobility close to the diagonal (increase in the immobility ratio) and a decrease in mobility away from the diagonal (decrease in the average jump). The magnitude of the evolution is the highest in the first five countries, ranging between 9% and 3% for the immobility ration, and 41% and 18% for the AJ. The relative decrease in mobility as measured by AJ is higher than the relative decrease in mobility as measured by the immobility ratio, suggesting that the off-diagonal short-term mobility increased to a higher extent than the mobility along the diagonal. An exception is Finland, where the reverse holds.

Spain has the largest increase in mobility close or on the diagonal (a decrease of 4% in immobility ratio) and the largest increase in mobility away from the diagonal (16.8%). In the same category are situated also Ireland and UK, but with a lower magnitude of the evolution (around 0.3%-1% for the immobility ratio and 3%-4% for AJ). Except Spain, the increase in the average jump is higher than the decrease in the immobility ratio.

Denmark and Netherlands represent an exception from this rule, recording both a decrease in immobility ratio and a decrease in the average jump, therefore an increase in mobility on the diagonal and a decrease in mobility away from the diagonal. Moreover, the decrease in off-diagonal mobility (11% for Netherlands and 5% for Denmark) is greater than the decrease of mobility on or close to the diagonal (0.4% in Netherlands and 0.8% in Denmark).

Mobility close to the diagonal appears to converge over time in five clusters: first, Luxembourg which records the highest immobility ratio in 2000-2001; second, Germany, France and Greece; third, UK, Belgium, Netherlands, Portugal, Italy and Austria; forth, Ireland and Finland, and lastly, with the lowest immobility ratio, Denmark and Spain. Similarly, mobility away from the diagonal appears to converge over time in four clusters: first, Luxembourg – the lowest average jump in 2000-2001; second, Germany, France, Austria, Netherlands, Belgium and Greece, Portugal; third, Italy, UK and Ireland; and lastly, Finland, Spain and Denmark, with the highest mobility away from the diagonal in 2000-2001. Overall, Luxembourg appears to diverge from the other EU countries.

In line with previous studies, the longer the period over which mobility is measured the higher the mobility, both close and away from the diagonal of the earnings transition matrix. (Table 11) Long-term immobility ratio records values between 1.4 and 1.7, whereas the average jump in the long run is between 0.3 and 0.6, indicating a high degree of persistency close or on the diagonal and a high mobility away from the diagonal. Based on both indices, the lowest long-term mobility is recorded in Luxemboug<sup>13</sup>, followed by France, Spain, Germany, Netherlands and Portugal which record similar values. UK records a slightly higher mobility, similar with Belgium, Italy and Greece. Denmark and Ireland record the highest mobility in the long run, confirmed both by the immobility and the average jump.

Figure 8 illustrates the relative difference between long and short-term mobility, based on the immobility ratio and average jump. For all countries, the longer the accounting period, the decrease in the immobility ratio is lower than the increase in the average jump, which suggests that mobility away from the diagonal increases to a higher extent compared with the mobility close to the diagonal. Thus the longer the time period, the more likely it is that people move away from their initial state.

The ranking of the countries based on the relative difference between long and short-term mobility reveals that the relative change in the average jump with the time horizon is negatively associated with the relative change in the immobility ratio with the time horizon. The first six countries which record the highest drop in the immobility ratio with the time horizon are among the first seven countries with the highest increase in the average jump. It is the case of Denmark, Ireland, UK, Germany, Netherlands and Portugal. Denmark appears to record the highest decrease in persistency close to the main diagonal (approximately 17%), whereas the increase in the mobility away from the diagonal is of almost 55%. Ireland, which has a similar decrease in the immobility ratio, has the highest increase in the average jump, almost 90%. UK, Germany, Portugal and Netherlands record a relatively smaller reduction in the immobility ratio (between 11% and 14%) than Denmark and Ireland and a higher increase in the average jump (over 60%) than Denmark, but lower than Ireland.

These are followed by Italy, Spain, Finland, Belgium, Greece and France, which record a smaller decrease in the immobility ratio (between 6% and 11%) and an increase of more than

<sup>&</sup>lt;sup>13</sup> The value for Luxembourg and Austria illustrated the mobility over a period of 6 years, and for Finland over 5 years.

40% in the average jump. Luxembourg records the lowest increase in mobility close to the main diagonal and among the highest increase in mobility away from the main diagonal, suggesting that the longer the period of time, the more likely it is that people move away from their initial position in the earnings distribution.

In the long run, Luxembourg appears to be the least mobile, and Denmark and Ireland the most mobile, both close to and away from the diagonal. Long-term immobility ratios are similar for the other countries, whereas for AJ more heterogeneity is observed. Overall, we observed less heterogeneity with respect to long-term mobility rates compared with short-terms, suggesting that over lifetime earnings mobility rates are expected to converge to similar levels in most countries. The convergence is expected to be more evident for the immobility ratio than for AJ.

#### 6.3. Alternative approach to mobility (Dickens 1997, 2000)

Similar to the transition matrix approach, we look first at short-term mobility and then at long-term mobility. Figure 10 presents plots of percentile rankings of male earnings in 1994/1995 and 2000/2001, and. Figure 11 percentile plots for 1994/1995 and 1994/2001.

For the pair of years situated at 1 year time horizon a high earnings persistency is observed for all countries: most of the individuals are concentrated in a band around the 45-degree line, at different degrees across countries. The highest concentration is observed at the two extremes of the distribution, meaning that individuals situated at the bottom and top of the earnings distribution have a lower mobility compared to the ones in the middle of the distribution, which is in line with the findings from the transition matrix approach.

In the beginning of the sample period, the countries with the lowest overall short-term mobility (highest concentration along the 45-degree line) appear to be Germany, Netherlands, Luxembourg, France, UK, Ireland, Italy, Spain and Portugal. The most mobile appears to be Greece.

In order to understand better how the pattern of mobility changed over time we look at pairs of earnings rankings situated at the same time horizon (Figure 10). The concentration along the 45-degree line appears to increase over time, suggesting a decreasing degree of mobility from one year to the next, for most countries. Denmark, Ireland, Spain represent an exception, recording an apparent diminishing concentration along the 45-degree line and therefore an increase in mobility.

If one looks at the different parts of the distribution, diverging patterns appear. For those at the bottom of the distribution, mobility appears to increase in Denmark, Ireland, Spain and Finland, whereas for the other countries a higher concentration can be observed over time. These findings are in line with the ones from the transition matrix approach, except for Denmark, Ireland and Luxembourg, where the reversed in observed.

The concentration in the middle of the distribution increased over time, suggesting a decreasing degree of mobility from one year to the next, for most countries. Exceptions are Denmark, Belgium, UK, Ireland and Spain, where people situated in middle part of the distribution appear to become more mobile over time. Except for Denmark, Belgium, Ireland and Spain, these findings are confirmed also by the transition matrix approach.

In the top of the distribution, mobility appears to increase in Germany, Denmark, Netherlands, Belgium and Ireland. Except for Denmark, Belgium, Spain and Portugal, these results are confirmed also by the transition matrix approach.

These differences observed between the two approached can be explained by the main limitation of the transition matrix approach: it fails to capture the movement within each earnings quintile, and thus underestimates the true degree of mobility.

There are a few individuals that record a huge jump in their rank from one year to the next: some that start at the bottom and jump to the top in the next period, and vice versa. This indicates the presence of a limited measurement error in hourly earnings in all countries.

Looking at mobility across different time horizons (Figure 11), we observe that the longer the time span between the pair of earnings rankings, the less concentrated the scatter becomes along the 45-degree line, suggesting an increase in mobility with the time span. This trend is valid for all years and for all countries, and reconfirms previous findings.

The information in the rank scatter plots is summarised by the mobility index in (0.2). Figure 12 and Table 12 illustrate the evolution of the mobility index in (0.2) for different time horizons over the sample period for all countries. The values from all time horizons are below the value expected if earnings were independent in both years.

Figure 13 illustrates the evolution of short-term mobility over time for all countries. Short-term mobility in the beginning of the sample period was the highest in Greece, followed by Austria, Belgium, Denmark and Finland with values over 0.25. Next follows Italy, France, Spain, Ireland, UK and Portugal with values between 0.2 and 0.25. The lowest mobility is

recorded in Luxembourg, Germany and Netherlands, which record values lower than 0.2. This ranking is in general confirmed by the ranking based on the immobility ratio and the average jump.

The evolution of short-term mobility over time differs across countries. Except Spain, Ireland, UK and Denmark, all other countries record a decrease in the degree of mobility from one year to the next, which is in general consistent with the evolution of the immobility ratio and average jump. Denmark and Netherlands are exceptions, recording opposite trends in mobility close and away from the diagonal.

These mobility trends correspond to years 1994 to 2000. Therefore, linking with the evolution of inequality over 1994 and 2000 (Table 3), we conclude that in 2000 men were: better off both in terms of their relative wage and opportunity to escape low pay in the next period in Denmark, UK, Ireland, and Spain; better off in terms of their relative wage, but worst off in terms of their chance to escape low pay in Belgium, France, Austria and Finland; and worst off in terms of both in Netherlands, Luxembourg, Italy, Greece and Portugal.

In 2000-2001 a convergence in mobility rates is observed for four country clusters. Luxembourg, which records the lowest mobility, and Denmark, which record the highest mobility, have a singular evolution. Spain and Finland appear to converge towards a lower mobility than Denmark, followed by Ireland, which also has a singular evolution. The next cluster in terms of mobility is formed by UK, Italy and Belgium. The last two clusters are Austria and Netherlands, and Greece, Portugal, France and Germany. This ranking is in general confirmed by the ranking based on the immobility ratio and the average jump.

Figure 14 summarizes the relative change in short-term mobility for all countries. The highest decrease in mobility is recorded by Greece, with a reduction of almost 40%, followed by Austria, with a reduction of more than 30%, Belgium and France over 20%, Italy and Portugal between 15% and 20%, and Luxembourg, Germany, Finland and Netherlands with a reduction lower than 10%. Spain records the highest increase in short-term mobility with a rate of over 20%, followed by Ireland, UK and Denmark, with a rate below 10%.

The ranking, the magnitude and the direction of the relative change in short-term mobility based on Dickens index are, in general, similar with those based on the average jump. (Figure 7 and Figure 14). A big discrepancy is observed in the direction of evolution for Denmark: based on average jump mobility decreased with almost 10%, whereas based on Dickens index

it increases with almost 2%. Differences in the magnitude of the evolution are observed for Netherlands, Germany, Luxembourg and Finland, where the increase in mobility was higher as measured by the average jump than by the Dickens index.

The difference in the ranking, magnitude and the direction of evolution of short-term mobility might be explained by the limitations of using quintile transition matrices to look at mobility, particularly when looking at changes in mobility over time. If the earnings distribution has widened over time, then the size of the quintiles has also increased, so it might be that the movement across quintiles decreased. However, it might also be the case that mobility within quintiles has increased, which cannot be captured by the transition matrix approach.

Consistent with the transition matrix approach and previous studies, long-term mobility is higher than short-term mobility and the trend is valid across countries. The relative increase in long term mobility relative to short-term mobility is summarized in Figure 15. The highest relative increase in mobility with the time span is recorded in Ireland with a value of almost 80%, followed by UK, Netherlands, Germany, Denmark, Luxembourg and Portugal with values between 50% and 70%. All other countries record values between 20% and 40%. These findings are in line with those for the transition matrix approach. Some differences can be found in the ranking of the countries based on different mobility indices.

This evolution triggered a re-ranking of the countries with respect to their long term mobility. (Figure 16) Luxembourg appears to have the lowest earnings mobility also in the long run, followed by Spain, France and Germany which record similar values, Netherlands, and Portugal, UK, Italy and Austria, Greece, Finland, Belgium and Ireland, and the highest Denmark. This ranking coincides in general with the one from the transition matrix approach.

Judging whether this mobility is high or low depends on the question being asked. Long term mobility is certainly high enough to make the point that people are not stuck at the bottom top of the earnings distribution. However, the mobility is too low to wash out the effect of the yearly inequality. Even when earnings are summed over the sample period, a substantial inequality remains, signalling the presence of a substantial inequality in the "permanent" component of earnings. Figure 17 shows the reduction in long-term inequality - measured by the Theil index for individual hourly earnings summed over the sample period – relative to cross-sectional inequality in the first wave – measured by Theil. These rates, however, overestimate the true values because cross-sectional inequality is based on all positive earnings, whereas longer-term inequality is based on a balanced panel. The rate of reduction

ranges from 50%-35% for Denmark, Austria, Ireland, UK, Belgium, France, Luxembourg and Finland, to 30%-10% for Netherlands, Spain, Germany, Greece, Italy and Portugal, which provides a first clue that the first cluster of countries has a higher chance in reducing lifetime earnings differentials compared with the second one. This conclusion, however, needs to be explored further by estimating appropriate indicators that measure mobility as equalizer/disequalizer of longer term incomes, which represents a topic for future research.

#### 7. LINKING MOBILITY AND INEQUALITY

Next we aim to link the patterns in short and long-term mobility with yearly inequality. This requires a backward looking approach. In interpreting the figures one has to pay attention to the difference in samples in computing inequality and mobility. The inequality measures are based on all individuals with positive earnings. The mobility measures refer to balanced 2-year panels, meaning individuals that recorded positive earnings in both years. We chose using an unbalanced panel for inequality to avoid underestimating the degree of dispersion. When interpreting the results, however, we have to bear in mind that the degree of inequality in period t depends also on the inflows and outflows of the sample in period t, not only on the degree of mobility from one period.

#### 7.1. Short-Term Mobility and Yearly Inequality

Inequality in time t depends on inequality in time t-1, mobility between t and t-1 and individuals entering and exiting the sample between period t-1 and t. Thus inequality in 1995 depends on inequality in 1994 and mobility between 1994 and 1995. Similarly, inequality in 2001 depends on inequality in 2000 and mobility between 2000 and 2001.

To shed some light on the potential link between short-term mobility and yearly inequality we look comparatively at the evolution of short term mobility from 1994/1995 to 2000/2001 and yearly inequality between 1995 and 2001. Figure 18 – left panel - ranks the countries with respect to their inequality in 1995 and mobility between 1994 and 1995. The same is done in the right panel for inequality in 2001 and mobility in 2000-2001

On average, it appears that the higher the inequality in year t, the lower the mobility between year t-1 and t. The ranking, however, has also some exceptions. For example, in 1995, Greece

has among the highest mobility levels and the highest inequality. In 2001, Spain has among the highest mobility and among the highest inequality.

Looking at the relative change in inequality and mobility the picture is not clear-cut. Most countries recording a decrease in mobility, record also an increase in inequality. Exceptions are Austria and France, where both decrease. All countries recording an increase in mobility, record a decrease in inequality between the 2<sup>nd</sup> wave and 2001. The ranking is ambiguous. The countries with the smallest (Netherlands) and the largest (Greece) reduction in mobility have the highest increase in inequality. Similarly, the countries with the lowest (UK) and the largest (Spain) increase in mobility do not have the largest reduction in inequality. Overall, it appears that short-term mobility has a reducing effect on yearly inequality.

#### 7.2. Long-Term Mobility and Yearly Inequality

Similarly, extending the time frame, inequality in time t depends on inequality in time t-s and mobility between t and t-s. Figure 20 ranks the 14 countries in terms of their long term mobility displaying at the same time the cross-sectional inequality in 2001 and the relative change in cross-sectional inequality between the 1<sup>st</sup> wave and 2001 for each country.

On average it appears that a higher long-term mobility is associated with a lowed cross-sectional inequality in 2001, but the ranking in the two measures is not consistent. The highest long-term mobility is present in Denmark, which record also the lowest inequality in 2001, but the highest inequality (Portugal) does not have the lowest mobility.

The link between long-term mobility and the relative change in inequality is ambiguous. Mobility rates are similar, but the relative change in inequality is very heterogeneous, with no visible pattern.

#### 8. CONCLUDING REMARKS

In this paper we have explored wage mobility for males across 14 EU countries between 1994 and 2001 using ECHP.

Starting with the transition matrices among labour market states, we find considerable levels of short-term immobility in all countries, with high shares of individuals staying in the same earnings quintile from one period to the next. Individuals situated in the bottom of the

distribution are more likely to enter unemployment and inactivity compared with the rest of the distribution. Moreover, those that manage to get a job in the next period are more likely to be in the bottom of the earnings distribution.

Mobility over the sample period is higher than one-period mobility, suggesting that the longer the period, the higher the opportunity to escape the initial state. The highest persistency in unemployment is found in Belgium, UK, Italy, Germany and Spain, and in inactivity in France, Belgium, Spain, Netherlands and Ireland.

Looking only at transition matrices among income quintiles, we found a high level of persistency from one period to the next in all countries. Moreover, individuals that change their income position from one period to the next do not move very far. Individuals situated at the top of the distribution are less mobile than people at the bottom, which in turn are less mobile than the middle of the distribution.

Over time, short-term mobility for the bottom quintile decreased in all countries, except Luxembourg, Spain and Finland. In 2000-2001 the highest persistency for low-earnings individuals is in Portugal, Germany, Austria, Belgium, Netherlands and Luxembourg where between 78% and 70% remained in the same income group, followed by Greece, France, Ireland, Denmark with probabilities between 69% and 60%, and UK, Finland, Italy and Spain with rates between 59% and 49%.

Long-term mobility is higher than short-term mobility, but the persistency is still high: in Germany, Austria, Finland, Portugal and France, between 49% and 41% remained in bottom quintile in 2001, followed by Luxembourg, Netherlands, Spain, Belgium, Italy, Denmark, UK, Greece and Ireland, with values between 40% and 23%. Overall, the lowest long-term mobility close and far away from the initial state was recorded in Luxembourg, France, Spain, Germany, Netherlands and Portugal, and the highest in Denmark and Ireland.

Most countries that recorded an increase in inequality between 1994 and 2001, recorded also an increase in short-term persistency over time, supported both by the increase in the share of individuals maintaining theirs state or moving to the closest state from one period to the next and by the decrease in mobility far away from the initial state. Netherlands is an exception, recording a decrease in the share of individuals maintaining their state or moving in the immediate income group and a decrease in mobility very far away from the initial from the initial state.

The decrease in inequality was accompanied by an increase in mobility close to the initial state and a decrease in mobility very far away from the initial state in Spain, Ireland and UK, and by the opposite in Belgium, France and Austria. In Denmark, the decrease in inequality was accompanied by an increase in mobility close the initial state and a decrease in mobility very far from the initial state, which might signal smaller transitory differentials compared with the other countries.

Mobility close to the diagonal appears to converge over time in five clusters: first, Luxembourg which records the highest IR in 2001; second, Germany, France and Greece; third, UK, Belgium, Netherlands, Portugal, Italy and Austria; forth, Ireland and Finland, and lastly, with the lowest immobility ratio, Denmark and Spain. Similarly, mobility away from the diagonal appears to converge over time in four clusters: first, Luxembourg – the lowest average jump in 2001; second, Germany, France, Austria, Netherlands, Belgium and Greece, Portugal; third, Italy, UK and Ireland; and lastly, Finland, Spain and Denmark, with the highest mobility away from the diagonal in 2001. Overall, Luxembourg appears to diverge from the other EU countries.

More heterogeneity is observed in long-term mobility rates. Luxembourg is the least mobile in the long run and Denmark and Ireland the most mobile.

To overcome the main drawbacks of the transition matrix approach, we looked at actual percentile rankings of workers within the wage distribution and computed a measure of mobility following Dickens (2000). This approach reconfirmed most of the findings above. For mobility at the bottom of the distribution, the results diverge for Luxembourg and Finland, where mobility appears to decrease over time, and in Denmark and Ireland, where mobility rises.

Based on the proposed index, all countries recording an increase in cross-sectional inequality recorded also a decrease in mobility. Among countries where inequality decreased, the trends in mobility increased in Denmark, Spain, Ireland and UK, and decreased in Belgium, France and Ireland.

What are the welfare implications of these trends in mobility? In Germany, Netherlands, Luxembourg, Finland, Italy, Greece and Portugal, individuals, both overall and at the bottom of the distribution, find it harder in 2001 to better their position in the earnings distribution compared with 1994 and this might be a factor behind the increase in earnings differentials.

Moreover, the decrease in mobility rates might signal an increase in permanent earning differentials. Similar trends for mobility are observed in Belgium, France and Austria, with the exception that the decrease in mobility does not appear to have affected earnings differentials, which decreased in 2001 compared with the first wave.

In Belgium, Spain, Ireland and UK, individuals have an increased opportunity in 2001 to improve their earnings position compared with 1994, which might have contributed to reduce cross-sectional differentials over time. Only in UK, the individuals in the bottom of the distribution recorded a decrease in mobility, suggesting that they become better off in terms of their relative wage and worst off in terms of their opportunity to improve their earnings position.

Mobility rates appear to converge towards 2001 in four country clusters. Luxembourg, with the lowest mobility in 2001, and Denmark, with the highest mobility, have a singular evolution. Spain and Finland appear to converge towards a lower mobility than Denmark, followed by Ireland, which also has a singular evolution. Next, UK, Italy and Belgium converge towards a lower level than Ireland. The last two clusters are Austria and Netherlands, and Greece, Portugal, France and Germany. This ranking is in general confirmed by the ranking based on the immobility ratio and the average jump.

The lowest opportunity of improving the earnings position in the long run is found in Luxembourg followed by the four clusters which record similar values: first, Spain, France and Germany; second, Netherlands, and Portugal; third, UK, Italy and Austria; forth Greece, Finland, Belgium and Ireland. Finally, men in Denmark have the highest opportunity of improving their income position in the long run. A topic for further research is to explore the implications of the lone term mobility rates for lifetime inequality.

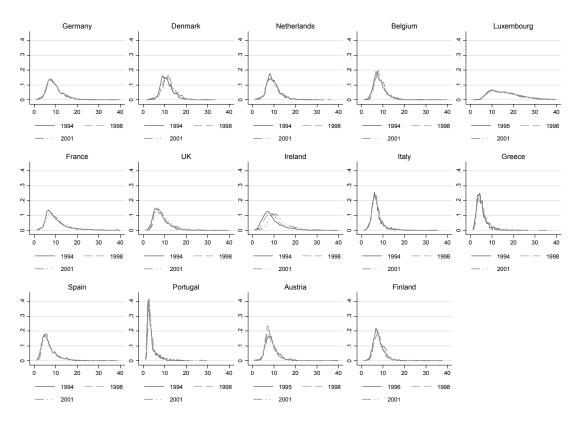


Figure 1. Epanechinov Kernel Density Estimates for Selected Years14 - EU 15

\_

 $<sup>^{14}\,\</sup>mathrm{The}$  horizontal axis represents hourly earnings and the vertical axis the density.

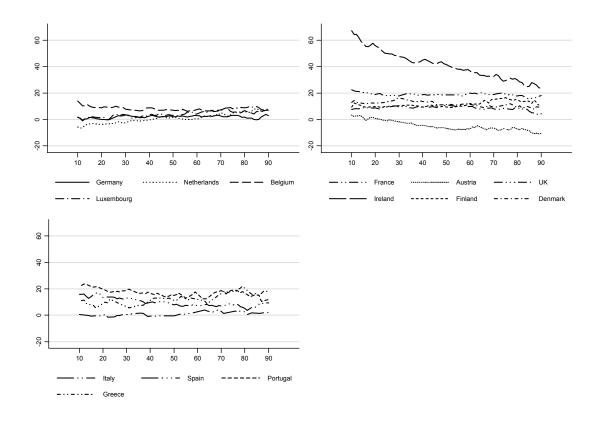


Figure 2. Percentage Change in Mean Hourly Earnings by Percentiles Over The Sample Period

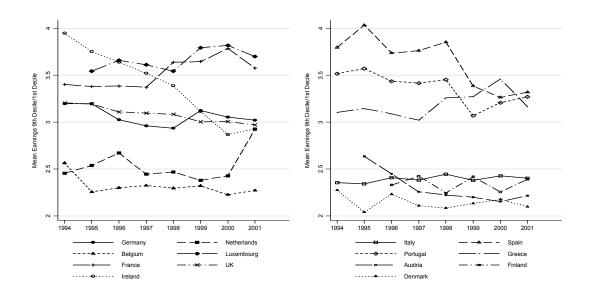


Figure 3. Ratio between Mean Earnings at the 9th Decile and the 1st Decile

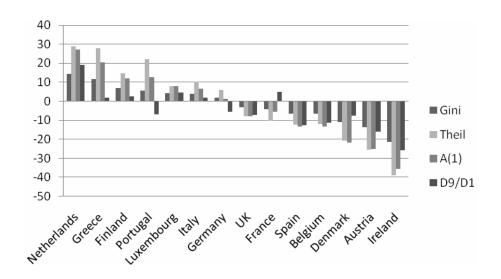


Figure 4. Relative Change in Inequality over Time – Gini, Theil, Atkinson(1), D9/D1<sup>15</sup>

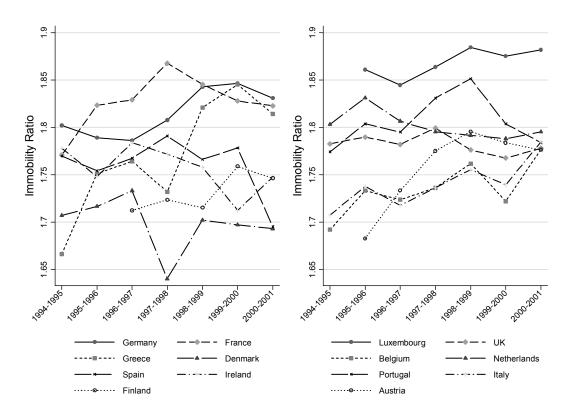


Figure 5. Immobility Ratio for One-Year Transitions between Earnings Quintiles over Time

-

<sup>&</sup>lt;sup>15</sup> Countries are ranked based on Gini index.

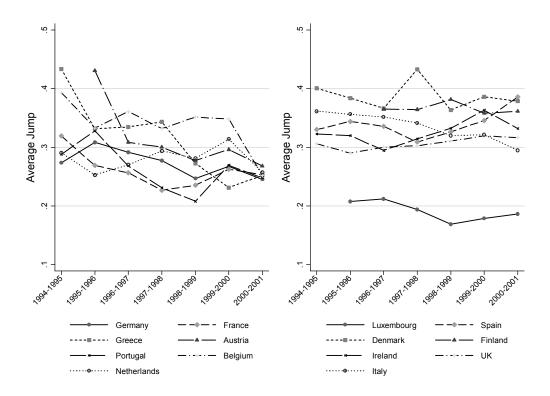


Figure 6. Average Jump for One-Year Transitions between Earnings Quintiles over Time

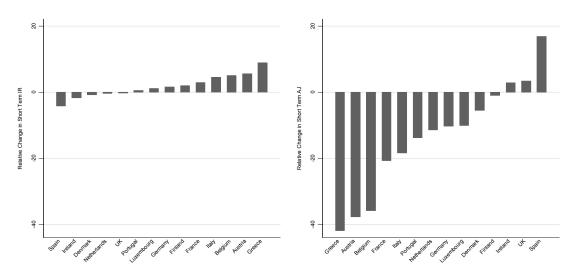


Figure 7. Relative Change over Time in Short-Term Immobility Ratio (IR) and Average Jump (AJ)

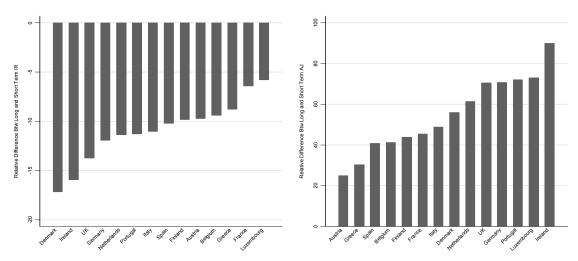


Figure 8. Relative Difference between Long and Short-term Immobility Ratio and Average Jump

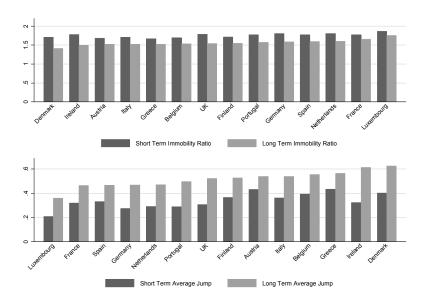


Figure 9. Short and Long Term Immobility Ratio and Average Jump

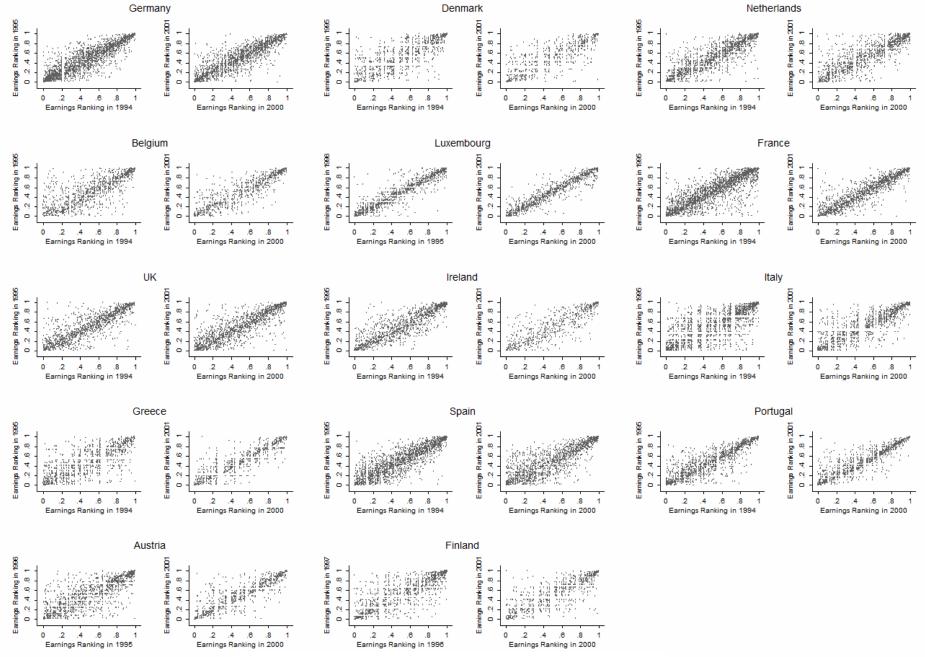


Figure 10. One-Year Earnings Mobility over Time

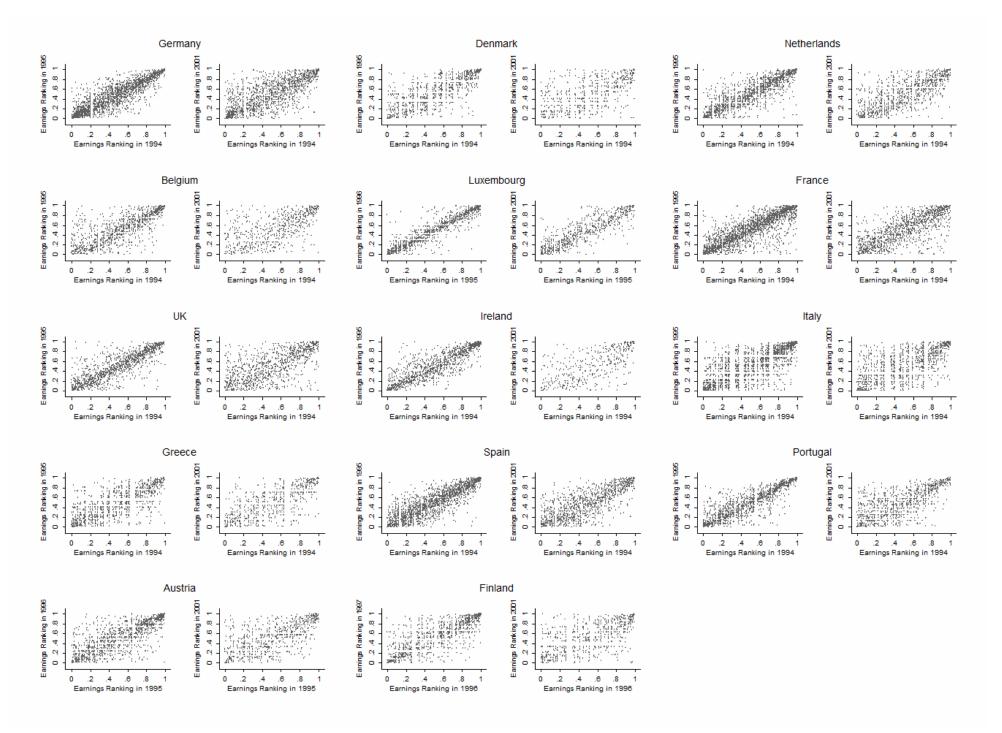


Figure 11. One-Year and Seven-Year Period Earnings Mobility: 1994-1995; 1994-2001

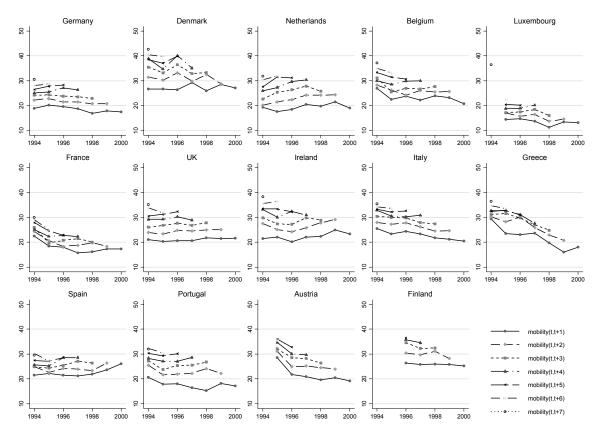


Figure 12. Dickens Mobility Index for Different Time Horizons the Sample Period (Index\*100)

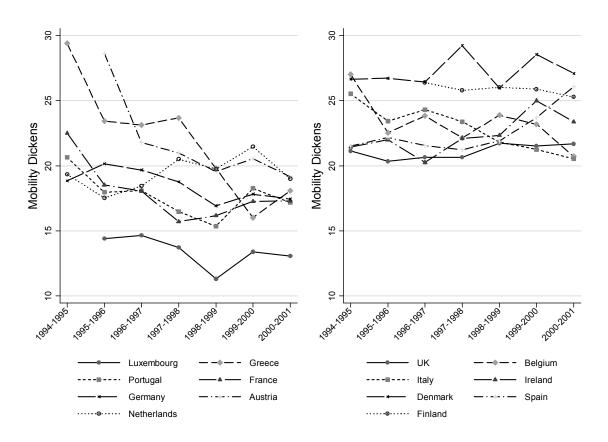


Figure 13. Dickens Short-Term Mobility over Time (Index\*100)

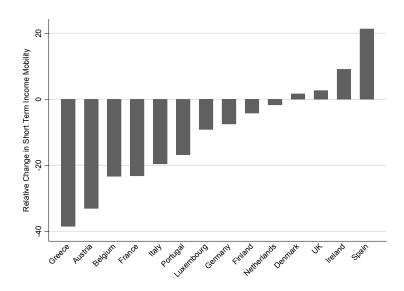


Figure 14. Relative Change in Short-term Mobility Measured by the Dickens Index

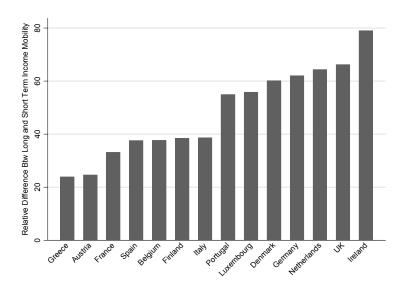


Figure 15. Relative Difference between Long and Short-term Mobility Measured by the Dickens Index

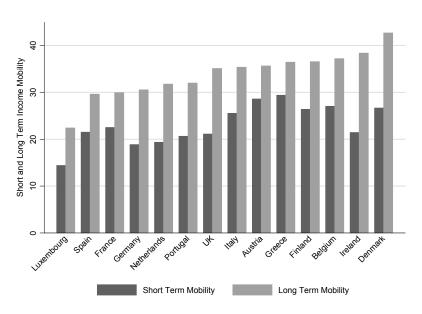


Figure 16. Short (1994/1995) and Long Term (1994/2001) Mobility Measured by the Dickens Index

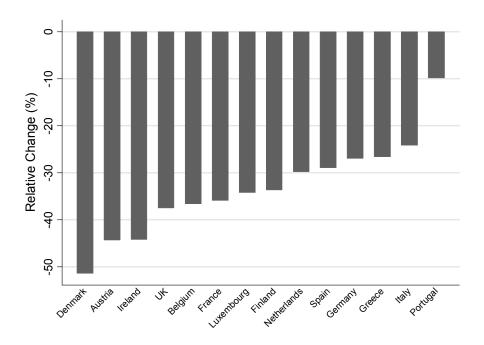


Figure 17. Relative Difference between Long-Term and Cross-sectional Earnings Inequality (1st Wave)

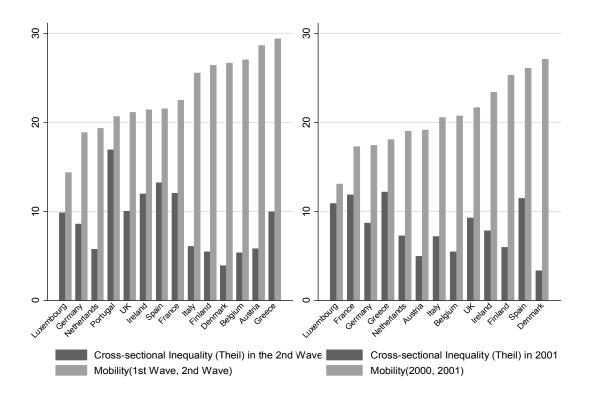
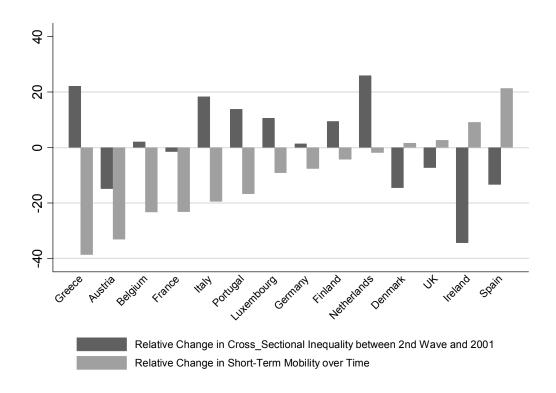


Figure 18. Link between Short-Term Mobility and Cross-Sectional Inequality:
Mobility (1<sup>st</sup> Wave, 2<sup>nd</sup> Wave) -> Inequality (2<sup>nd</sup> Wave)
Mobility (2000, 2001) -> Inequality (2001)



**Figure 19. Relative Change in Cross-Sectional Inequality and Short-Term Mobility Over Time** Note: Inequality – between the 2<sup>nd</sup> and the last wave; Mobility between 1<sup>st</sup>-2<sup>nd</sup> wave and 2000-2001

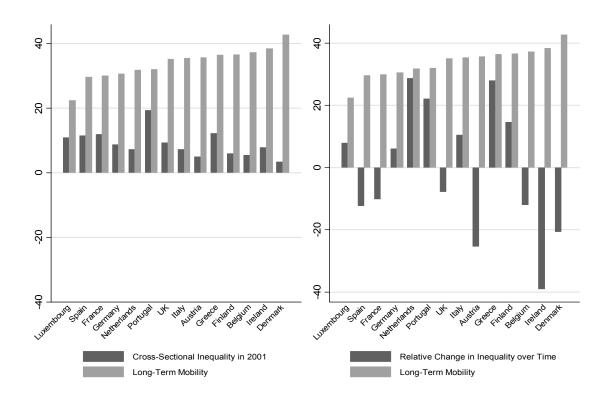


Figure 20. Long-Term Mobility and Cross-Sectional Inequality

Table 1. IIIIOW	s and Outfloy				_			2001
Number of indicidents 101	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive earnings	25018	26059	25806	24889	23290	22955	21909	20703
Absolute number and proportion	of individuals wh	no report po	sitive earni	ngs in curr	ent year c	onditional	on being	in the
	sar	nple in prev	ious year					
	Frequencies	23956	25224	24197	22814	22321	21290	2010
	%	66.99	67.37	66.2	63.01	64.84	64.86	64.3
Absolute number and proportion of	individuals who	report no ea	arnings in c	current year	r condition	nal on beir	ng in the sa	ample i
· ·		the previou						
Unemployed	Frequencies	3448	3461	4119	3932	3055	2787	2760
Inactive	%	9.64	9.24	11.27	10.86	8.87	8.49	8.86
	Frequencies	1885	2182	1892	3280	2951	2924	2830
Attrition	%	5.27	5.83	5.18	9.06	8.57	8.91	9.06
	Frequencies	6470	6576	6345	6180	6100	5826	5524
Missing Wage	%	18.09	17.56	17.36	17.07	17.72	17.75	17.6
Total	Frequencies	35759	37443	36553	36206	34427	32827	3122
Total	%	100	100	100	100	100	100	100
	70	100	100	100	100	100	100	100
T 11 4 7 M	10.4					_	_	
Table 1. Inflows								
	1994	1995	1996	1997	1998	1999	2000	200
Number of individuals with positive earnings	20899	20399	19190	19062	17321	16235	15678	1538
Absolute number and proportion of	of individuals wh	no renort no	sitive earni	ngs in curr	ent vear c	onditional	on heing	in the
Absolute number and proportion of		nple in prev		ings in cum	ciii yeai e	onamonai	on ocing	III tiic
		19854	18527	18110	16442	15334	14865	1464
	Frequencies							
41 1 1 1 1	%	68.74	66.59	69.43	66.23	67.41	69.6	71.6
Absolute number and proportion of	individuals who	_		current year	r conditioi	nal on beir	ig in the s	ample
		the previou						
Unemployed	Frequencies	1535	1744	951	899	732	658	958
Inactive	%	5.31	6.27	3.65	3.62	3.22	3.08	4.68
Attrition	Frequencies	2440	3096	2914	3603	2922	2133	177
7 ttilltion	%	8.45	11.13	11.17	14.51	12.85	9.99	8.68
Missing Wage	Frequencies	5054	4454	4110	3881	3759	3703	307
wissing wage	%	17.5	16.01	15.76	15.63	16.53	17.34	15.0
Total	Frequencies	28883	27821	26085	24825	22747	21359	2044
	%	100	100	100	100	100	100	100
Table 1. Inflows	and Outflow	of Indiv	iduala in	the Sen	anla N	othorlor	ada	
Table 1. Illiows	1994	1995	1996	1997	1998	1999	2000	200
	1994	1993	1990	1997	1990	1999	2000	200
T1 Ci di id							24065	
Tumber of individuals with positive earnings	20221	22100	22892	22753	22863	23233	24065	2413
-								
earnings	of individuals wh	no report po	sitive earni					
earnings	of individuals wh		sitive earni	ngs in curr		onditional	on being	in the
earnings	of individuals where sand a sa	no report po nple in prev 20578	sitive earni vious year 21328	ings in curr	ent year c	onditional	on being 21026	in the 2134
earnings Absolute number and proportion of	of individuals where sare Frequencies	no report po nple in prev 20578 69.07	sitive earnivious year 21328 71.37	21221 68.68	21055 67.52	20545 67.24	on being 21026 68.56	in the 2134 69.5
earnings Absolute number and proportion of	of individuals where sare Frequencies	no report po mple in prev 20578 69.07 report no es	sitive earnivious year 21328 71.37 arnings in c	21221 68.68	21055 67.52	20545 67.24	on being 21026 68.56	in the 2134 69.5
earnings Absolute number and proportion of	of individuals where said in Frequencies % individuals who	no report po mple in prev 20578 69.07 report no ea the previou	sitive earnivious year 21328 71.37 arnings in cas year	21221 68.68 current year	21055 67.52 r condition	20545 67.24 nal on beir	21026 68.56 ag in the sa	2134 69.5 ample
earnings Absolute number and proportion of Unemployed	of individuals where said individuals who said individuals who individuals who	no report po mple in prev 20578 69.07 report no ea the previou 2418	sitive earnivious year 21328 71.37 arnings in costs year 2356	21221 68.68 current yea	21055 67.52 r condition	20545 67.24 nal on beir	21026 68.56 ag in the sa	in the 2134 69.5 ample 168
earnings Absolute number and proportion of	of individuals where sate of section of individuals who sate of section of individuals who indivi	no report po mple in prev 20578 69.07 report no ea the previou 2418 8.12	sitive earnivious year 21328 71.37 arnings in cost year 2356 7.88	21221 68.68 current yea 2536 8.21	21055 67.52 r condition 2120 6.8	20545 67.24 nal on beir 1984 6.49	21026 68.56 ag in the st	2134 69.5 ample
earnings Absolute number and proportion of  Unemployed Inactive	of individuals where sand the	no report po mple in prev 20578 69.07 report no ea the previou 2418 8.12 2941	21328 71.37 arnings in cas year 2356 7.88 1889	21221 68.68 current yea 2536 8.21 2591	21055 67.52 r condition 2120 6.8 3562	20545 67.24 nal on beir 1984 6.49 3984	21026 68.56 ng in the sa 1840 6 4301	2134 69.5 ample
earnings Absolute number and proportion of Unemployed	of individuals where sare frequencies % individuals who frequencies % Frequencies %	20578 69.07 report no ea the previou 2418 8.12 2941 9.87	21328 71.37 arnings in case year 2356 7.88 1889 6.32	21221 68.68 current yea 2536 8.21 2591 8.39	21055 67.52 r condition 2120 6.8 3562 11.42	20545 67.24 nal on beir 1984 6.49 3984 13.04	21026 68.56 ng in the sa 1840 6 4301 14.02	2134 69.5 ample 168 5.5 489 15.9
earnings Absolute number and proportion of Unemployed Inactive Attrition	of individuals where said individuals who indi	20578 69.07 report no ea the previou 2418 8.12 2941 9.87 3857	21328 71.37 arnings in construction of the second of the s	21221 68.68 current yea 2536 8.21 2591 8.39 4550	21055 67.52 r condition 2120 6.8 3562 11.42 4448	20545 67.24 nal on beir 1984 6.49 3984 13.04 4042	21026 68.56 ag in the sa 1840 6 4301 14.02 3502	2134 69.5 ample 168 5.5 489 15.9 274
earnings Absolute number and proportion of  Unemployed Inactive Attrition Missing Wage	of individuals where said individuals who indi	20578 69.07 report no ea the previou 2418 8.12 2941 9.87 3857 12.95	21328 71.37 arnings in c 18 year 2356 7.88 1889 6.32 4310 14.42	21221 68.68 current yea 2536 8.21 2591 8.39 4550 14.73	21055 67.52 r condition 2120 6.8 3562 11.42 4448 14.26	20545 67.24 nal on beir 1984 6.49 3984 13.04 4042 13.23	on being  21026 68.56 ag in the si  1840 6 4301 14.02 3502 11.42	2134 69.5 ample 168 5.5 489 15.9 274 8.99
Absolute number and proportion of  Absolute number and proportion of  Unemployed  Inactive  Attrition	of individuals where said individuals who indi	20578 69.07 report no ea the previou 2418 8.12 2941 9.87 3857	21328 71.37 arnings in construction of the second of the s	21221 68.68 current yea 2536 8.21 2591 8.39 4550	21055 67.52 r condition 2120 6.8 3562 11.42 4448	20545 67.24 nal on beir 1984 6.49 3984 13.04 4042	21026 68.56 ag in the sa 1840 6 4301 14.02 3502	2134 69.5

Table 1. Inflows								
	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive earnings	35342	34367	33280	32378	31129	29414	28087	26538
Absolute number and proportion o	f individuals wh	no report po	sitive earn	ings in curi	ent year c	onditional	on being	in the
• •		nple in pre			•			
	Frequencies	33277	32384	31564	30575	28731	27460	25790
	%	63.43	63.65	64.38	63.88	64.28	65.15	64.38
Absolute number and proportion of i	ndividuals who	report no e	arnings in	current yea	r condition	nal on bein	g in the sa	mple in
		the previou	us year					
Unemployed	Frequencies	3810	5127	4378	3601	3040	3090	2540
Inactive	%	7.26	10.08	8.93	7.52	6.8	7.33	6.34
A 44 otat - o	Frequencies	4145	3798	3473	4803	4421	3851	4930
Attrition	%	7.9	7.46	7.08	10.04	9.89	9.14	12.31
Minima Wasa	Frequencies	11228	9573	9614	8882	8504	7748	6798
Missing Wage	%	21.4	18.81	19.61	18.56	19.03	18.38	16.97
Total	Frequencies	52460	50882	49029	47861	44696	42149	40058
	%	100	100	100	100	100	100	100
						<del>-</del>		
Table 1. Inflows a	nd Outflows	of Indiv	iduale in	the Sam	nle – I	uvemboi	ıra	
Table 1. Illiows a	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive	1777	1773	1770	1777	1770	1777	2000	2001
earnings		15829	13695	14489	13403	14075	12667	12992
Absolute number and proportion o				ings in curi	ent year c	onditional	on being	in the
	sar	nple in pre	vious year					
	Frequencies		13417	12498	13190	12257	12402	11457
	%		64.75	69.48	69.33	69.81	68.71	70.39
Absolute number and proportion of i	ndividuals who	report no e	arnings in	current yea	r condition	nal on bein	g in the sa	imple in
		the previou	us year					
Unemployed	Frequencies		1765	1559	1505	1408	1246	954
Inactive	%		8.52	8.67	7.91	8.02	6.9	5.86
Attrition	Frequencies		3423	1663	2109	1913	2346	1940
Attition	%		16.52	9.25	11.09	10.9	13	11.92
Missing Wage	Frequencies		2116	2267	2220	1980	2057	1926
Missing Wage	%		10.21	12.6	11.67	11.28	11.4	11.83
Total	Frequencies		20721	17987	19024	17558	18051	1/077
					17024	1/550	10051	16277
	%	100	100	100	100	100	100	100
	%	100						
Table 1 Inflow			100	100	100	100	100	
Table 1. Inflow	s and Outflo	ows of In	100 dividual	100 s in the S	100 Sample -	100 - France	100	100
	s and Outflo		100	100	100 Sample - 1998	100	2000	2001
Number of individuals with positive	s and Outflo	ows of In	100 dividual	100 s in the S	100 Sample -	100 - France	2000 1376	2001 1421
Number of individuals with positive earnings	s and Outfle 1994 20137	ows of In 1995 19270	100 <b>dividual</b> 1996 19042	100 s in the S 1997 17906	100 Sample - 1998 14467	100 - <b>France</b> 1999 14012	2000 1376 0	2001 1421 2
Number of individuals with positive	s and Outflo	1995 19270 no report po	dividual 1996 19042	100 s in the S 1997 17906	100 Sample - 1998 14467	100 - <b>France</b> 1999 14012	2000 1376 0	2001 1421 2
Number of individuals with positive earnings	1994 20137 f individuals wh	1995 19270 no report pomple in prev	dividual 1996 19042 ositive earn	100 s in the S 1997 17906 ings in curr	100 <b>Sample</b> - 1998 14467 Tent year c	100 - <b>France</b> 1999 14012 onditional	2000 1376 0 on being	2001 1421 2 in the
Number of individuals with positive earnings	1994 20137 f individuals where sar Frequencies	1995 19270 no report pomple in prev 19143	dividual 1996 19042 ositive earn vious year 18197	100 s in the S 1997 17906 ings in curr 17243	100  Sample - 1998  14467  rent year c	100  - France 1999 14012 onditional 12209	2000 1376 0 on being	2001 1421 2 in the
Number of individuals with positive earnings  Absolute number and proportion o	1994 20137 f individuals where sar Frequencies %	1995 19270 no report pomple in prev 19143 62.47	dividual: 1996 19042 sitive earn vious year 18197 64.76	100 s in the S 1997 17906 ings in curr 17243 62	100 Sample - 1998 14467 Tent year c 14014 52.08	100 - France 1999 14012 onditional 12209 54.24	2000 1376 0 on being 12080 55.54	2001 1421 2 in the 12468 60.8
Number of individuals with positive earnings  Absolute number and proportion o	1994 20137 f individuals where sand Frequencies %	1995 19270 no report pomple in prev 19143 62.47 report no e	dividual: 1996 19042 sitive earn vious year 18197 64.76 earnings in earnings i	100 s in the S 1997 17906 ings in curr 17243 62	100 Sample - 1998 14467 Tent year c 14014 52.08	100 - France 1999 14012 onditional 12209 54.24	2000 1376 0 on being 12080 55.54	2001 1421 2 in the 12468 60.8
Number of individuals with positive earnings  Absolute number and proportion of individuals with positive earnings	s and Outflo	1995 19270 no report pomple in prev 19143 62.47 report no e the previous	dividual: 1996 19042 sitive earn vious year 18197 64.76 earnings in ous year	100 s in the S 1997 17906 ings in curron 17243 62 current year	100 Sample - 1998 14467 Tent year condition	100  - France 1999 14012 onditional 12209 54.24 nal on bein	2000 1376 0 on being 12080 55.54 g in the sa	2001 1421 2 in the 12468 60.8 ample in
Number of individuals with positive earnings  Absolute number and proportion of i  Unemployed	s and Outflo	1995 19270 no report pomple in prev 19143 62.47 report no e the previous	dividual: 1996 19042 sitive earn vious year 18197 64.76 earnings in easy year 3042	100 s in the S 1997 17906 ings in curr 17243 62 current yea 3426	100  Sample - 1998  14467  Tent year c  14014 52.08  r condition  3006	100  - France 1999 14012 onditional 12209 54.24 nal on bein 2607	2000 1376 0 on being 1 12080 55.54 g in the sa	2001 1421 2 in the 12468 60.8 ample in
Number of individuals with positive earnings  Absolute number and proportion of individuals with positive earnings	f individuals who san Frequencies % ndividuals who	1995 19270 no report pomple in previous 19143 62.47 report no e the previous 3259 10.64	dividual 1996 19042 ositive earn vious year 18197 64.76 earnings in ous year 3042 10.83	100 s in the S 1997 17906 ings in curr 17243 62 current yea 3426 12.32	100  Sample - 1998  14467  Tent year c  14014 52.08  r condition  3006 11.17	100  France 1999 14012 onditional 12209 54.24 nal on bein 2607 11.58	2000 1376 0 on being 12080 55.54 g in the sa 2072 9.53	2001 1421 2 in the 12468 60.8 ample in 1995 9.73
Number of individuals with positive earnings  Absolute number and proportion of i  Unemployed Inactive	f individuals who san Frequencies % Individuals who Frequencies % Frequencies	1995 19270 no report pomple in previous 19143 62.47 report no e the previous 3259 10.64 3371	100 dividual: 1996 19042 estitive earn vious year 18197 64.76 earnings in earnings	100 s in the S 1997 17906 ings in curr 17243 62 current yea 3426 12.32 2785	100  Sample - 1998  14467  Tent year c  14014 52.08  r condition  3006 11.17 5584	100  - France 1999 14012 onditional 12209 54.24 nal on bein 2607 11.58 3531	2000 1376 0 on being 1 12080 55.54 g in the sa 2072 9.53 3786	2001 1421 2 in the 12468 60.8 ample in 1995 9.73 2658
Number of individuals with positive earnings  Absolute number and proportion of i  Unemployed	f individuals who sar Frequencies %  Frequencies %  Frequencies %  Frequencies %  Frequencies %	1995 19270 no report pomple in prev 19143 62.47 report no e the previous 3259 10.64 3371 11	100 dividual: 1996 19042 Distitive earn vious year 18197 64.76 Parnings in ous year 3042 10.83 2213 7.88	100 s in the S 1997 17906 ings in current year 3426 12.32 2785 10.01	100 1998 14467 Tent year c 14014 52.08 r condition 3006 11.17 5584 20.75	100  - France 1999 14012 onditional 12209 54.24 nal on bein 2607 11.58 3531 15.69	2000 1376 0 on being 12080 55.54 g in the sa 2072 9.53 3786 17.41	2001 1421 2 in the 12468 60.8 umple in 1995 9.73 2658 12.96
Number of individuals with positive earnings  Absolute number and proportion of i  Unemployed Inactive Attrition	f individuals who san Frequencies % Individuals who Frequencies % Frequencies	1995 19270 no report pomple in previous 19143 62.47 report no e the previous 3259 10.64 3371 11 4871	100 dividual: 1996 19042 ositive earn vious year 18197 64.76 earnings in ous year 3042 10.83 2213 7.88 4646	100 s in the S 1997 17906 ings in current 17243 62 current year 3426 12.32 2785 10.01 4358	100  Sample - 1998  14467  Tent year c  14014 52.08  r condition  3006 11.17 5584 20.75 4304	100  France 1999 14012 onditional 12209 54.24 nal on bein 2607 11.58 3531 15.69 4162	2000 1376 0 on being 1 12080 55.54 g in the sa 2072 9.53 3786 17.41 3811	2001 1421 2 in the 12468 60.8 imple in 1995 9.73 2658 12.96 3385
Number of individuals with positive earnings  Absolute number and proportion of i  Unemployed Inactive	f individuals who sar Frequencies %  Frequencies %  Frequencies %  Frequencies %  Frequencies %	1995 19270 no report pomple in prev 19143 62.47 report no e the previous 3259 10.64 3371 11	100 dividual: 1996 19042 Distitive earn vious year 18197 64.76 Parnings in ous year 3042 10.83 2213 7.88	100 s in the S 1997 17906 ings in current year 3426 12.32 2785 10.01	100 1998 14467 Tent year c 14014 52.08 r condition 3006 11.17 5584 20.75	100  - France 1999 14012 onditional 12209 54.24 nal on bein 2607 11.58 3531 15.69	2000 1376 0 on being 12080 55.54 g in the sa 2072 9.53 3786 17.41	2001 1421 2 in the 12468 60.8 umple in 1995 9.73 2658 12.96
Number of individuals with positive earnings  Absolute number and proportion of i  Unemployed Inactive Attrition	f individuals who sar Frequencies %	1995 19270 no report pomple in previous 19143 62.47 report no e the previous 3259 10.64 3371 11 4871	100 dividual: 1996 19042 ositive earn vious year 18197 64.76 earnings in ous year 3042 10.83 2213 7.88 4646	100 s in the S 1997 17906 ings in current 17243 62 current year 3426 12.32 2785 10.01 4358	100  Sample - 1998  14467  Tent year c  14014 52.08  r condition  3006 11.17 5584 20.75 4304	100  France 1999 14012 onditional 12209 54.24 nal on bein 2607 11.58 3531 15.69 4162	2000 1376 0 on being 1 12080 55.54 g in the sa 2072 9.53 3786 17.41 3811	2001 1421 2 in the 12468 60.8 umple in 1995 9.73 2658 12.96 3385

Table 1. Inflo	ows and Out			<u>ais in</u> the	: Sample			
	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive earnings	24949	25329	25495	26010	26145	25750	25674	25264
Absolute number and proportion o	f individuals wh	no report po	sitive earn	ings in cur	rent vear c	onditional	on being i	n the
		nple in pre						
	Frequencies	24511	24848	25303	25278	25006	24881	24467
	%	64.59	66.31	67.06	67.04	67.36	68.33	68.58
Absolute number and proportion of i	individuals who	report no e	arnings in	current yea	r condition	nal on bein	g in the sa	mple in
• •		the previou						•
Unemployed	Frequencies	4712	5053	4663	4140	3941	3607	3595
Inactive	%	12.42	13.48	12.36	10.98	10.62	9.91	10.08
Attrition	Frequencies	1836	966	1169	2073	1919	2153	2105
Attrition	%	4.84	2.58	3.1	5.5	5.17	5.91	5.9
Missing Wage	Frequencies	6888	6605	6597	6213	6257	5774	5510
Wissing wage	%	18.15	17.63	17.48	16.48	16.85	15.86	15.44
Total	Frequencies	37947	37472	37732	37704	37123	36415	35677
	%	100	100	100	100	100	100	100
Table 1. Inflow	s and Outflo	ws of In	dividual	s in the S	Sample -	- Ireland	l	
	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive earnings	13937	13221	12590	12515	12435	12091	10745	972
Absolute number and proportion o	f individuals wh	no report no	sitive earn	ings in cur	rent vear c	onditional	on heing i	n the
August Hamber and proportion of		mple in pre		ings in cur	icht year e	onamonar	on ocing i	ii tiic
	Frequencies	12750	12217	12212	12020	11668	10236	9507
	%	49.99	50.04	52.41	53.13	54.1	51.63	54.65
Absolute number and proportion of i								
Atosofate number and proportion of t	marviduais wilo	the previou		current yea	i condition	nai on ocni	ig ili tile sa	mpic m
Unemployed	Frequencies	4930	4723	4254	3374	2905	2185	2307
Inactive	%	19.33	19.35	18.26	14.91	13.47	11.02	13.26
	Frequencies	2167	2115	1600	1936	2516	3288	2362
Attrition	%	8.5	8.66	6.87	8.56	11.66	16.59	13.58
	Frequencies	5656	5359	5235	5292	4480	4116	3220
Missing Wage	%	22.18	21.95	22.47	23.39	20.77	20.76	18.51
Total	Frequencies	25503	24414	23301	22622	21569	19825	17396
10	%	100	100	100	100	100	100	100
	,,,	100		100	100	100	100	100
Table 1. Inflo	we and Outf	lowe of I	ndividua	ola in tha	Sampla	Italy		
Table 1. Illilo	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive	32633	32236	32111	29661	28865	26993	26912	25170
earnings  Absolute number and proportion o	C:= 4: :4 -1= 1					1561	1	41
A bsolute number and proportion of	if individuals wi	10 report po	ositive earn	ings in cur	rent year c	onditional	on being i	n the
resorate number and proportion e		1 .	-					
Proportion of the proportion of	saı	mple in pre		20717	27100	25515	25240	24120
Troopius number and proportion of	Frequencies	30946	31028	28717	27188	25717	25348	
• •	sar Frequencies %	30946 51.58	31028 51.19	47.18	47.34	46.87	48.73	48.86
• •	sar Frequencies %	30946 51.58	31028 51.19 earnings in	47.18	47.34	46.87	48.73	48.86
	sar Frequencies %	30946 51.58 report no e	31028 51.19 earnings in	47.18	47.34	46.87	48.73	48.86
Absolute number and proportion of i	sar Frequencies % Individuals who	30946 51.58 report no e the previous	31028 51.19 earnings in us year	47.18 current yea	47.34 or condition	46.87 nal on bein	48.73 g in the sa	48.86 mple in
Absolute number and proportion of i  Unemployed  Inactive	Frequencies % individuals who	30946 51.58 report no e the previous 7900	31028 51.19 earnings in us year 7799	47.18 current year	47.34 or condition 6627	46.87 nal on bein 6890	48.73 ag in the sa 5662	48.86 mple in
Absolute number and proportion of i	Frequencies % individuals who Frequencies %	30946 51.58 report no e the previor 7900 13.17	31028 51.19 earnings in us year 7799 12.87	47.18 current year 7670 12.6	47.34 or condition 6627 11.54	46.87 nal on bein 6890 12.56	48.73 g in the sa 5662 10.88	48.86 mple in 5027 10.18
Absolute number and proportion of i  Unemployed Inactive Attrition	Frequencies % individuals who Frequencies % Frequencies	30946 51.58 report no e the previor 7900 13.17 3175	31028 51.19 earnings in us year 7799 12.87 2947	47.18 current year 7670 12.6 5922	47.34 or condition 6627 11.54 6030	46.87 nal on bein 6890 12.56 5941	48.73 ag in the sa 5662 10.88 5399	48.86 mple in 5027 10.18 5920 11.98
Absolute number and proportion of i  Unemployed Inactive	Frequencies % individuals who Frequencies % Frequencies %	30946 51.58 report no e the previor 7900 13.17 3175 5.29	31028 51.19 arnings in us year 7799 12.87 2947 4.86	47.18 current year 7670 12.6 5922 9.73	47.34 or condition 6627 11.54 6030 10.5	46.87 nal on bein 6890 12.56 5941 10.83	48.73 g in the sa  5662 10.88 5399 10.38	48.86 mple in 5027 10.18 5920 11.98
Absolute number and proportion of i  Unemployed Inactive Attrition	Frequencies % individuals who Frequencies % Frequencies % Frequencies	30946 51.58 report no e the previous 7900 13.17 3175 5.29 17978	31028 51.19 arnings in us year 7799 12.87 2947 4.86 18836	47.18 current year 7670 12.6 5922 9.73 18559	47.34 r condition 6627 11.54 6030 10.5 17585	46.87 nal on bein 6890 12.56 5941 10.83 16325	48.73 g in the sa 5662 10.88 5399 10.38 15610	5027 10.18 5920 11.98 14315

Table 1. Inflo	vs and Outfl	ows of In	dividual	s in the	Sample	– Greed	ee	
	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive earnings	27974	27654	26150	24865	22675	22001	21335	21929
Absolute number and proportion of	of individuals w	ho report po	sitive earn	ings in cur	rent year	conditiona	l on being	in the
		mple in pre			-			
	Frequencies	26868	25946	24385	21815	20357	20443	21342
	%	45.83	45.69	44.98	42.09	43.52	46.06	49.72
Absolute number and proportion of	individuals who	report no e	arnings in	current yea	ar condition	nal on bei	ng in the s	ample in
		the previou	ıs year					
Unemployed	Frequencies	7537	6813	6419	4523	4489	4427	3858
Inactive	%	12.86	12	11.84	8.73	9.6	9.97	8.99
Attrition	Frequencies	4417	4392	4347	7892	6222	4159	2363
Attition	%	7.53	7.73	8.02	15.23	13.3	9.37	5.5
Missing Wage	Frequencies	19802	19640	19068	17599	15707	15352	15365
Missing wage	%	33.78	34.58	35.17	33.96	33.58	34.59	35.79
Total	Frequencies	58624	56791	54219	51829	46775	44381	42928
	%	100	100	100	100	100	100	100
					-		·	
Table 1. Inflo	ws and Outfl	lows of Ir	ndividua	ls in the	Sample	– Spain	1	
	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive earnings	22559	21863	21296	20975	20371	20580	19898	20185
	. C : d:: d11	L		i			1 1	i 41. a
Absolute number and proportion of				ings in cur	rent year	conditiona	i on being	in the
		mple in pre		20220	10.456	10670	10165	10252
	Frequencies	21460	20521	20329	19456	19679	19167	19352
	%	47.6	48.29	48.49	48.63	52.13	52.12	56.06
Absolute number and proportion of	individuals who			current yea	ar conditio	onal on bei	ng in the s	ample in
I In a man la const	Enganaias	the previou		7252	5070	5002	4510	4761
Unemployed	Frequencies	8419	8230	7353	5970	5083	4512	4761
Inactive	%	18.67	19.37	17.54	14.92	13.46	12.27	13.79
Attrition	Frequencies	4467	3000	4120	4327	3188	3922	3052
	%	9.91	7.06	9.83	10.81	8.44	10.66	8.84
Missing Wage	Frequencies	10741	10742	10121	10259	9802	9176	7357
m t	%	23.82	25.28	24.14	25.64	25.96	24.95	21.31
Total	Frequencies	45087	42493	41923	40012	37752	36777	34522
	%	100	100	100	100	100	100	100
Table 1. Inflow								
	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive earnings	14653	15450	15379	15087	14837	14569	14604	14550
Absolute number and proportion of	of individuals w	ho report po	sitive earn	ings in cur	rent year	conditiona	l on being	in the
		mple in pre		-	-		J	
	Frequencies	13892	14538	14321	13977	13921	13952	13942
	%	57.84	57.5	57.32	56.98	59.12	60.83	62.16
Absolute number and proportion of								
r - r 322 32		the previou		. ,			<u> </u>	
Unemployed	Frequencies	2187	2264	2396	2019	2067	1843	1702
Inactive	%	9.11	8.95	9.59	8.23	8.78	8.04	7.59
	Frequencies	1701	1908	1918	2346	1956	1617	1575
Attrition	%	7.08	7.55	7.68	9.56	8.31	7.05	7.02
	Frequencies	6236	6573	6350	9.30 6189	5602	7.03 5525	5211
Missing Wage	Frequencies %		26					23.23
Total		25.97 24016	26 25283	25.42 24985	25.23 24531	23.79 23546	24.09 22937	23.23
Total	Frequencies							
	%	100	100	100	100	100	100	100

i abic i. iiiii	ows and Outflo	ws of In	dividual	s in the S	Sample –	- Austria	ì	
	1994	1995	1996	1997	1998	1999	2000	2001
Number of individuals with positive earnings		17944	17789	17199	16209	15162	13816	13056
Absolute number and proportio	n of individuals wh	no report po	ositive earn	ings in cur	rent year c	onditional	on being i	in the
	sar	nple in pre	vious year					
	Frequencies		16472	16384	15634	14551	13403	1260
	%		67.96	68.2	67.49	67.2	66.51	68.21
Absolute number and proportion	of individuals who	report no e	earnings in	current yea	ar condition	nal on beir	g in the sa	mple i
		the previo	us year					
Unemployed	Frequencies		1209	1231	906	790	803	843
Inactive	%		4.99	5.12	3.91	3.65	3.98	4.56
A 44	Frequencies		2195	2080	2435	2470	2409	179
Attrition	%		9.06	8.66	10.51	11.41	11.95	9.71
Mississ Word	Frequencies		4361	4330	4189	3842	3538	323
Missing Wage	%		17.99	18.02	18.08	17.74	17.56	17.5
Total	Frequencies		24237	24025	23164	21653	20153	1847
		_				400	400	100
Table 1 Juffe	%	of I	100	100	100	100	100	100
Table 1. Inflo	ows and Outflo	ws of In						
Table 1. Inflo		ws of In	dividuals	s in the S	Sample –	Finland	 l	2001
Number of individuals with	ows and Outflo		<b>dividual</b> 1996 15811	15845	Sample – 1998 15895	Finland 1999 15546	2000 13329	2001
Number of individuals with positive earnings	ows and Outflo		dividuals 1996 15811	15845	Sample – 1998 15895	Finland 1999 15546	2000 13329	2001 1305°
Number of individuals with positive earnings	ows and Outflo	no report po	dividuals 1996 15811	15845	Sample – 1998 15895	Finland 1999 15546	2000 13329	2001 1305 in the
Number of individuals with positive earnings	n of individuals wh	no report po	dividuals 1996 15811	1997 15845 ings in cur	5ample – 1998 15895 rent year c	Finland 1999 15546 onditional	2000 13329 on being i	2001
Number of individuals with positive earnings	n of individuals where sare Frequencies %	no report po	dividuals 1996 15811 ositive earn vious year	1997 15845 ings in cur	1998 15895 rent year c 15345 57.2	1999 15546 onditional 14753 59.29	2000 13329 on being i 12756 53.83	2001 1305 in the 1258 64.16
Number of individuals with positive earnings Absolute number and proportion	n of individuals where sand Frequencies % of individuals who	no report pomple in pre	dividuals 1996 15811 ositive earn vious year	15845 ings in cur 15246 55.95 current year	15895 rrent year c 15345 57.2 ar condition	1999 15546 onditional 14753 59.29 nal on beir	2000 13329 on being i 12756 53.83 og in the sa	2001 1305 in the 1258 64.10 ample i
Number of individuals with positive earnings  Absolute number and proportion of the control of t	n of individuals where sand Frequencies % of individuals who	no report po	dividuals 1996 15811 ositive earn vious year	15845 1997 15845 ings in cur 15246 55.95 current year	15895 Trent year c 15345 57.2 ar condition	1999 15546 onditional 14753 59.29 nal on beir	2000 13329 on being i 12756 53.83 g in the sa	2001 1305 in the 1258 64.10 imple i
Number of individuals with positive earnings  Absolute number and proportion of the control of t	n of individuals where the same of individuals who of individuals who requencies %	no report po	dividuals 1996 15811 ositive earn vious year	15845 ings in cur 15246 55.95 current year	15895 Trent year c 15345 57.2 ar condition 2327 8.67	1999 15546 onditional 14753 59.29 nal on beir 1657 6.66	2000 13329 on being i 12756 53.83 g in the sa 1326 5.6	2001 1305 in the 1258 64.10 imple i
Number of individuals with positive earnings  Absolute number and proportion of the control of t	r of individuals who sar Frequencies % of individuals who Frequencies % Frequencies	no report po	dividuals 1996 15811 ositive earn vious year	15845 1997 15845 ings in cur 15246 55.95 current year 3446 12.65 1933	15895 Trent year c 15345 57.2 ar condition 2327 8.67 3219	1999 15546 onditional 14753 59.29 nal on beir 1657 6.66 2658	2000 13329 on being i 12756 53.83 g in the sa 1326 5.6 5219	2001 1305 in the 1258 64.1 umple i 1267 6.46 1708
Number of individuals with positive earnings  Absolute number and proportion of the second se	roof individuals who sar Frequencies % of individuals who Frequencies % Frequencies %	no report po	dividuals 1996 15811 ositive earn vious year	15845 ings in cur 15246 55.95 current year 3446 12.65 1933 7.09	15895 rent year c 15345 57.2 ar condition 2327 8.67 3219 12	15546 onditional 14753 59.29 nal on beir 1657 6.66 2658 10.68	2000 13329 on being in 12756 53.83 ag in the sa 1326 5.6 5219 22.02	2001 1305 in the 1258 64.1 imple i 1260 6.46 1708 8.71
Number of individuals with positive earnings  Absolute number and proportion of the control of t	requencies % Frequencies % Frequencies % Frequencies % Frequencies % Frequencies	no report po	dividuals 1996 15811 ositive earn vious year	15845 1997 15845 ings in cur 15246 55.95 current year 3446 12.65 1933 7.09 6623	15895 Trent year c 15345 57.2 ar condition 2327 8.67 3219 12 5937	15546 onditional 14753 59.29 nal on beir 1657 6.66 2658 10.68 5814	2000 13329 on being in 12756 53.83 In the sa 1326 5.6 5219 22.02 4398	2000 1305 in the 1258 64.10 imple i 1260 6.46 1708 8.71 4050
Number of individuals with positive earnings  Absolute number and proportion of the second se	roof individuals who sar Frequencies % of individuals who Frequencies % Frequencies %	no report po	dividuals 1996 15811 ositive earn vious year	15845 ings in cur 15246 55.95 current year 3446 12.65 1933 7.09	15895 rent year c 15345 57.2 ar condition 2327 8.67 3219 12	15546 onditional 14753 59.29 nal on beir 1657 6.66 2658 10.68	2000 13329 on being in 12756 53.83 ag in the sa 1326 5.6 5219 22.02	200 1305 in the 1258 64.1 imple i 126' 6.46 1703 8.71

**Table 2. Sample Statistics of Hourly Earnings** 

				s of Hou					
	Year	1994	1995	1996	1997	1998	1999	2000	2001
	Mean	9.43	9.49	9.61	9.52	9.57	9.48	9.60	9.72
Germany	Median	8.65	8.68	8.78	8.84	8.70	8.65	8.75	8.82
	Standard Deviation	4.00	4.17	4.09	4.01	4.39	4.32	4.39	4.37
	Mean	10.89	11.40	11.58	11.61	11.86	11.85	12.02	12.08
Denmark	Median	10.36	10.76	10.96	11.14	11.46	11.36	11.77	11.50
	Standard Deviation	3.23	3.31	3.52	3.54	3.13	3.31	3.43	3.20
	Mean	9.69	9.56	9.59	9.70	10.02	9.88	10.04	9.91
Netherlands	Median	9.11	9.07	9.01	9.10	9.27	9.18	9.32	9.23
	Standard Deviation	3.39	3.37	3.55	3.56	3.64	3.40	3.48	3.95
	Mean	8.48	8.82	8.71	8.75	8.81	8.83	8.92	9.10
Belgium	Median	7.86	8.17	7.99	8.09	8.08	8.34	8.25	8.30
	Standard Deviation	3.17	3.08	3.02	3.09	2.97	2.94	3.00	3.21
	Mean		16.18	15.81	16.73	17.39	17.15	17.22	17.10
Luxembourg	Median		14.90	14.52	15.31	15.72	15.60	15.65	15.29
	Standard Deviation		7.50	7.19	7.77	8.21	8.38	8.37	8.22
	Mean	10.23	9.92	9.87	10.05	10.33	10.60	10.55	10.87
France <sup>16</sup>	Median	8.56	8.57	8.53	8.53	8.84	9.04	9.06	9.48
	Standard Deviation	5.82	5.33	5.17	5.65	5.62	5.78	5.51	5.72
	Mean	8.16	8.11	8.22	8.34	8.68	9.01	9.21	9.68
UK	Median	7.30	7.29	7.51	7.52	7.67	8.00	8.22	8.68
	Standard Deviation	3.99	3.95	3.80	3.79	4.01	4.13	4.24	4.49
	Mean	9.30	9.54	9.76	10.02	10.43	10.84	11.69	12.44
<b>Ireland</b>	Median	8.06	8.44	8.84	8.86	9.33	9.73	10.25	11.36
	Standard Deviation	5.14	4.99	4.85	4.98	5.17	5.02	5.24	5.15
	Mean	7.16	6.91	6.96	7.05	7.29	7.37	7.28	7.32
Italy	Median	6.65	6.32	6.43	6.48	6.69	6.76	6.59	6.67
	Standard Deviation	2.77	2.59	2.67	2.68	3.01	3.00	2.99	3.04
	Mean	4.95	5.03	5.23	5.59	5.63	5.85	5.70	5.77
Greece	Median	4.49	4.41	4.53	4.90	4.91	4.99	4.89	4.99
	Standard Deviation	2.33	2.42	2.43	2.91	2.87	3.14	3.07	3.21
	Mean	6.83	6.95	7.09	6.89	7.18	7.37	7.45	7.42
Spain	Median	5.86	5.82	5.92	5.72	6.04	6.15	6.29	6.33
	Standard Deviation	3.81	3.86	4.00	3.92	4.06	4.15	4.07	3.87
	Mean	3.70	3.74	3.84	3.92	3.99	4.08	4.31	4.46
Portugal	Median	2.92	2.82	2.98	3.03	3.05	3.08	3.29	3.34
	Standard Deviation	2.34	2.45	2.54	2.65	2.81	2.82	3.16	3.33
	Mean		9.08	8.33	8.37	8.49	8.55	8.55	8.54
Austria	Median		8.51	7.64	7.63	7.84	7.82	7.86	7.93
	Standard Deviation		3.52	3.00	3.07	2.95	2.89	2.84	2.82
	Mean			7.89	8.01	8.41	8.45	8.66	8.86
Finland	Median			7.48	7.57	7.85	7.90	8.18	7.97
	Standard Deviation			2.70	2.77	2.92	2.91	2.93	3.29

-

<sup>&</sup>lt;sup>16</sup> Gross Amounts

		Tab	le 3. Earn	nings Ineq	uality (In	dex*100)			
		1994	1995	1996	1997	1998	1999	2000	2001
	Gini	22.15	22.34	22.04	21.89	22.58	22.81	22.75	22.54
Germany	Theil	8.22	8.61	8.23	8.06	8.85	8.96	8.92	8.72
	A(1)	8.08	8.38	8.04	7.84	8.12	8.53	8.41	8.17
	Gini	15.76	15.26	15.52	15.21	14.24	14.68	14.94	14.05
Denmark	Theil	4.22	3.92	4.23	4.15	3.37	3.73	3.83	3.35
	A(1)	4.26	3.78	4.10	3.96	3.37	3.76	3.78	3.33
	Gini	18.07	18.37	19.19	18.80	18.93	17.92	18.18	20.67
Netherlands	Theil	5.63	5.76	6.32	6.07	5.96	5.40	5.56	7.25
	A(1)	5.56	5.77	6.33	5.90	5.65	5.18	5.44	7.08
•	Gini	19.10	17.71	17.64	18.13	17.53	17.33	17.13	17.85
Belgium	Theil	6.23	5.37	5.35	5.58	5.15	5.11	5.04	5.48
	A(1)	5.92	4.95	5.04	5.24	4.85	4.92	4.69	5.14
	Gini		25.23	24.74	25.41	25.62	26.58	26.50	26.32
Luxembourg	Theil		10.09	9.85	10.24	10.37	11.19	11.15	10.89
	A(1)		9.88	10.00	10.16	10.02	10.95	11.09	10.66
	Gini	27.62	26.47	26.26	27.23	27.28	27.41	26.83	26.49
France	Theil	13.21	12.04	11.63	12.88	12.58	12.65	11.94	11.87
	A(1)	11.64	10.88	10.58	11.41	11.54	11.59	11.17	10.98
	Gini	24.26	24.22	23.35	23.36	23.54	23.25	23.35	23.51
UK	Theil	10.08	10.01	9.20	9.05	9.24	9.08	9.16	9.29
	A(1)	9.25	9.19	8.57	8.46	8.55	8.32	8.46	8.51
_	Gini	27.59	26.87	25.76	25.47	25.00	23.39	22.77	21.70
Ireland	Theil	12.87	11.97	11.00	10.83	10.60	9.31	8.78	7.85
	A(1)	11.84	11.21	10.50	10.14	9.85	8.66	8.15	7.64
	Gini	19.16	18.47	19.02	18.93	19.85	19.72	19.78	19.90
Italy	Theil	6.51	6.08	6.42	6.29	7.13	7.01	7.08	7.19
	A(1)	5.99	5.58	5.91	5.78	6.41	6.30	6.33	6.39
•	Gini	23.62	24.37	23.80	25.55	25.66	26.98	26.51	26.37
Greece	Theil	9.51	9.97	9.44	11.23	11.09	12.20	11.93	12.17
	A(1)	8.77	9.13	8.70	9.97	9.99	10.97	10.68	10.55
	Gini	27.87	28.27	28.19	28.71	28.37	26.99	26.36	26.07
Spain	Theil	13.08	13.22	13.36	13.67	13.47	12.69	12.09	11.47
•	A(1)	11.84	12.13	11.94	12.33	12.17	11.07	10.60	10.28
•	Gini	30.05	31.14	30.66	30.85	31.13	30.11	31.32	31.72
Portugal	Theil	15.79	16.93	16.76	17.27	18.01	17.21	18.86	19.27
	A(1)	13.23	14.16	13.80	14.05	14.37	13.55	14.60	14.92
	Gini		19.49	18.34	18.34	17.39	17.07	16.72	16.85
Austria	Theil		6.67	5.84	5.90	5.27	5.10	4.93	4.97
	A(1)		6.44	5.62	5.52	4.87	4.80	4.67	4.82
	Gini			17.32	17.80	17.30	17.81	17.10	18.50
Finland	Theil			5.22	5.46	5.23	5.38	5.08	5.98
	A(1)			4.94	5.29	4.83	5.19	4.76	5.53
	. ,								

**Table 4. Short-Term Transition Rates Among Labour Market States** State in 1995 1<sup>st</sup> Q 2<sup>nd</sup> Q 3<sup>rd</sup> Q 4<sup>th</sup> Q 5<sup>th</sup> Q Unempl. Missing\* 17.05 1<sup>st</sup> Quintile 56.21 4.73 0.86 0 6.81 1.58 12.76 2<sup>nd</sup> Quintile 47.58 17.52 0.76 13.66 6.19 0.84 6.31 7.13 3<sup>rd</sup> Quintile 17 42.71 2.2 10.44 3.6 20.28 3.14 0.56 4<sup>th</sup> Ouintile 0.43 4.48 18.92 51.67 17.33 1.55 1.44 4.17 5<sup>th</sup> Quintile 0 0.46 2.36 11.86 77.28 0.93 0.97 6.14 Unemployed 19.35 10.13 4.95 1.2 0.08 39.72 1.95 22.62 4.56 20.25 Inactive 3.5 2.12 0.53 2.01 27.47 39.55 Germany Missing Wage\* 6.29 3.93 2.78 5.55 4.32 1.58 1.89 73.67  $3^{rd}\,Q$  $5^{th} Q$ Missing\* 2<sup>nd</sup> Q 4<sup>th</sup> Q State in 2001 1<sup>st</sup> Q Inactive Unempl. 1st Quintile 2.99 9.31 54.96 12.34 0.52 0.16 1.98 17.73 2<sup>nd</sup> Quintile 14.92 48.06 17.06 3.65 0.34 3.97 0.64 11.36 State in 2000 3<sup>rd</sup> Quintile 3.3 20 47.65 18.01 1 1.55 0.89 7.91 4<sup>th</sup> Ouintile 0.53 2.31 13.86 12.4 0.48 0.53 11.23 58.68 5<sup>th</sup> Quintile 0.53 2.31 2.63 13.49 71.68 0.5 0.57 8.27 Unemployed 14.83 2.71 5.93 1.1 0.08 46.44 2.37 26.53 8.46 0 8.09 45.77 31.99 Inactive 2.57 1.65 1.47 1.35 Missing 2.51 2.03 0.72 1.09 2.11 0.89 89.3 3<sup>rd</sup> Q 1<sup>st</sup> Q 2<sup>nd</sup> Q 4<sup>th</sup> Q 5<sup>th</sup> Q Missing\* State in 1995 Unempl. Inactive 1<sup>st</sup> Quintile 41.28 19.41 9.96 1.7 1.98 4.61 0 21.06 2<sup>nd</sup> Quintile 21.45 40.87 14.52 7.36 1.07 3.69 0.79 10.26 3<sup>rd</sup> Quintile 6.28 30 28.78 17.72 6.16 2.02 0 8.66 4<sup>th</sup> Quintile 0.78 6.91 22.95 43.62 14.92 1.07 0 9.74 5<sup>th</sup> Quintile 2.25 1.06 1.69 25.86 61.83 0.48 0 6.83 34.02 0.25 24.75 Unemployed 12.86 15.85 6.16 3.25 2.87 4.55 0 0 0 26.14 0 69.32 Inactive 0 Denmark Missing Wage\* 8.82 1.39 0.29 0.94 4.4 1.86 1.19 81.1 State in 2001 1st Q 2<sup>nd</sup> Q 3rd Q 4<sup>th</sup> O 5<sup>th</sup> Q Unempl. Inactive Missing\* 1<sup>st</sup> Quintile 48.61 16.15 12.74 1.74 2.09 3.63 14.35 0.7 2<sup>nd</sup> Quintile 24.64 35.88 18.56 3 4.81 4.93 0 8.18 State in 2000 3<sup>rd</sup> Quintile 5.88 21 45.01 14.56 3.05 0.14 0 10.83 4<sup>th</sup> Quintile 4.39 8.29 21.01 39.61 17.96 2.43 0 6.31 5<sup>th</sup> Quintile 0.57 0.67 5.59 13.02 66.9 1.95 0.38 10.92 3.71 41.77 40 Unemployed 7.9 2.9 3.71 0 0 Inactive 41.46 0 0 0 0 7.32 51.22 0 Missing 0.9 90.03 3.11 1.81 2.24 1.09 0.76 0.05 2<sup>nd</sup> Q 3<sup>rd</sup> Q 4<sup>th</sup> Q 5<sup>th</sup> Q State in 1995 1<sup>st</sup> Q Unempl. Inactive Missing\* 1st Ouintile 47.57 22.85 4.74 1.65 2.25 19.57 0.07 1.3 2<sup>nd</sup> Quintile 11.35 44.68 24.03 5.72 1.45 0.66 0.71 11.41 3<sup>rd</sup> Quintile 14 45.96 22.65 3.07 0.4 1.03 9.62 2.96 4<sup>th</sup> Quintile 0.51 2.67 13.11 52.7 18.97 2.21 0.78 9.04 5<sup>th</sup> Quintile 0.91 0.51 73.84 1.85 0.46 6.48 2.35 13.61 Unemployed 15.02 5.69 6.81 2.47 3 42.92 8.05 16.04 Netherlands Inactive 1.49 2.79 3.45 1.12 22.44 47.49 13.13 8.1 13.79 6.97 0.8 60.34 Missing Wage\* 4.49 5.99 4.77 2.85 3rd Q 4<sup>th</sup> Q 2<sup>nd</sup> O State in 2001 1<sup>st</sup> O 5<sup>th</sup> O Missing\* Unempl. Inactive 1<sup>st</sup> Quintile 2.7 0.29 0.31 23.66 53.88 15.15 3.56 0.45 2<sup>nd</sup> Quintile 7.82 49.78 18.96 6.14 1.31 0.57 0.17 15.25 State in 2000 3<sup>rd</sup> Quintile 7 4.74 52.65 16.22 4.42 0.89 0.32 13.42 4<sup>th</sup> Quintile 0.85 1.15 15.05 52.18 12.51 1.06 0.61 16.59 5<sup>th</sup> Quintile 0 0.71 15.11 65.95 0.27 0 16.78 1.19 Unemployed 7.2 1.83 0.54 2.47 46.13 18.6 23.23 0 Inactive 4.96 1.6 0.8 0 1.77 4.96 59.75 26.15 Missing 3.78 1.92 0.82 1.34 1.06 0.38 0.45 90.24

**Table 4. (Continued)** State in 1995 1<sup>st</sup> Q 2<sup>nd</sup> O 3<sup>rd</sup> Q 4<sup>th</sup> O 5<sup>th</sup> Q Unempl. Inactive Missing\* 1st Quintile 44.95 16.63 10.1 6.77 4.15 4.39 0.25 12.76 2<sup>nd</sup> Quintile 24.75 37.63 16.29 6.7 1.36 0.83 0 12.45 3<sup>rd</sup> Quintile 43.1 5.29 25 11.4 4 0.53 0.53 10.18 4th Quintile 3.35 5.11 21.81 45.16 15.11 0.89 0 8.57 5<sup>th</sup> Quintile 1.51 2.78 68.27 0.64 16.61 1.84 0.24 8.13 Unemployed 13.03 11.53 0 0.76 1.24 54.21 1.22 18 Inactive 0 0.81 0 0 0 13.67 64.89 20.63 Belgium Missing Wage\* 6.09 2.75 1.97 0.66 0.66 2.67 0.72 84.49 State in 2001 1st Q 2nd Q 3rd Q 4th Q 5th Q Unempl. Inactive Missing\* 1<sup>st</sup> Quintile 62.45 15.38 7.37 0.34 0.3 0.44 0 13.72 2<sup>nd</sup> Quintile 10.49 45.04 19.82 5.54 1.73 1.71 0 15.68 State in 2000 3<sup>rd</sup> Quintile 5.34 17 36.25 22.99 2.37 0.97 0 15.19 4th Quintile 0 0.89 5.95 20.93 50.18 13.53 0.55 7.95 5<sup>th</sup> Quintile 0 1.3 1.6 16.38 70.82 0.45 0 9.45 Unemployed 16.9 0 2.74 0 0 58.62 0.99 20.75 3.42 0 0 Inactive 0 0 0 62.86 33.72 1.37 1.62 0.7 0.46 0.78 93.3 Missing 1.13 0.64 State in 1996 2nd Q 3rd Q 4th Q 5th Q Inactive Missing\* 1st Q Unempl. 1st Quintile 57.09 14.93 1.06 0.65 0.813.09 0.34 22.03 2<sup>nd</sup> Quintile 12.92 54.54 0.19 1.18 0 16.92 14.01 0.22 3<sup>rd</sup> Quintile 2.36 12.16 57.08 8.76 3.39 0.580.36 15.31 4th Quintile 0.2 0.56 17.68 51.76 10.24 0.16 0 19.39 5<sup>th</sup> Quintile 0.25 0 65.8 0 3.45 14.19 0 16.31 2.98 Unemployed 5.3 1.32 0.55 1.54 0 59.62 28.68 Luxembourg Inactive 15 0 0 0 0 8 24 53 2.83 67.94 Missing Wage\* 8.08 1.62 1.83 4.54 11.37 1.8 State in 2001 2nd Q 3rd Q 1st Q 4th Q 5th Q Unempl. Inactive Missing\* 1st Quintile 58.16 22.08 1.44 0.51 0 1.17 0 16.64 2<sup>nd</sup> Quintile 9.98 58.63 16.61 1.52 0.56 0.16 0 12.54 State in 2000 3<sup>rd</sup> Quintile 2.53 5.53 60.67 18.54 0.75 0 0 11.98 4th Quintile 0 0.28 1.26 9.48 63.97 17.43 0 7.59 5<sup>th</sup> Quintile 0.28 74.12 0 0 0 0.2 10.4 15.01 Unemployed 13.93 5.57 3.54 0 0 55.5 3.61 17.85 Inactive 0 0 0 0 0 9.76 66.67 23.58 Missing 0.72 0.7 0.35 0.1 0.75 0.29 0.22 96.87 1st Q State in 1995 2nd Q 3rd Q 4th Q 5th Q Unempl. Inactive Missing\* 1st Ouintile 50.21 19.57 5.51 0.92 0.55 5.26 1.36 16.62 2<sup>nd</sup> Quintile 45.38 0.76 2.79 13.98 12.37 20.14 3.2 1.39 3<sup>rd</sup> Quintile 0.55 4.28 15 45.24 21.12 2.67 0.28 10.58 4th Quintile 2.29 4.5 14.03 48.05 19.62 0.97 0.4 10.15 5<sup>th</sup> Quintile 2.81 2.36 3.8 14.76 64.82 0.150.37 10.93 14.52 4.34 3.68 Unemployed 3.73 4.44 35.24 3.94 30.11 Inactive 0 0.93 3.59 0 0.93 2.66 76.1 15.8 France Missing Wage\* 5.16 2.62 1.82 2.96 1.95 7.24 2.55 75.71 State in 2001 1st Q 2nd Q 3rd Q 4th O 5th Q Unempl. Inactive Missing\* 48.37 19.36 1st Quintile 16.06 5.75 1.99 0.54 6.84 1.09 2nd Quintile 16.79 46.58 16.86 3.13 0.29 2.88 0.44 13.04 State in 2000 15 49.2 0.91 3rd Quintile 2.14 16.06 1.34 0.55 14.83 56.16 14.94 0.95 4th Quintile 0.58 3.24 12.43 0.2511.45 5th Quintile 0.44 0.18 1.53 11.03 71.68 14.78 0.18 0.18 Unemployed 16.43 8.43 2.81 1.06 0.69 49.78 1.75 19.05 0 1.04 Inactive 8.81 0 0 3.88 73.58 12.69

Missing

3.07

2.12

2.28

2.17

2.01

2.1

0.5

85.75

			1	able 4 (Co	ntinued)				
	State in 1995	1 <sup>st</sup> Q	2 <sup>nd</sup> Q	3 <sup>rd</sup> Q	4 <sup>th</sup> Q	5 <sup>th</sup> Q	Unempl.	Inactive	Missing*
	1 <sup>st</sup> Quintile	48.25	23.64	5.51	3.41	1.44	4.41	3.93	9.42
	2 <sup>nd</sup> Quintile	21.03	43.61	16.66	4.31	1.84	1.1	1.84	9.63
State in 1994	3 <sup>rd</sup> Quintile	4.23	14	50.15	20.66	2.78	0.66	0.72	6.32
n 1	4 <sup>th</sup> Quintile	0.12	3.94	17.74	53.52	14.36	1.64	2.24	6.43
te i	5 <sup>th</sup> Quintile	0.84	0.66	2.73	12.4	73.07	1.42	1.81	7.06
Sta	Unemployed	12.96	6.33	5.11	3.95	0.56	39.32	13.4	18.37
	Inactive	5.29	3.75	1.37	2.37	6.87	5.58	55.45	19.32
UK	Missing Wage*	5.37	3.51	2.11	1.64	2.15	3.77	2.9	78.56
n	State in 2001	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
	1 <sup>st</sup> Quintile	50.79	25.43	6.02	1.86	1.84	3.59	1.36	9.11
_	2 <sup>nd</sup> Quintile	20.73	41.53	20.23	5.79	1.87	1.58	0.39	7.88
00	3 <sup>rd</sup> Quintile	3.9	17	47.44	17.94	2.76	1.22	1.67	7.73
State in 2000	4 <sup>th</sup> Quintile	0.82	3.36	16.02	54.24	14.98	0.66	2.7	7.23
te i	5 <sup>th</sup> Quintile	0.57	1.85	2.71	14.07	69.86	1.81	2.73	6.4
Sta	Unemployed	11.02	1.46	2.56	1.46	2.48	63.82	1.87	15.33
	Inactive	4.52	6.53	1.36	7.54	10.84	3.45	30.08	35.68
	Missing	2.39	1.31	1.46	0.32	1.03	2.14	2.66	88.68
	State in 1995	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
	1 <sup>st</sup> Quintile	47.49	18.19	6.11	4.2	1.06	5.4	0.53	47.49
	2 <sup>nd</sup> Quintile	13.79	38.43	15.13	5.37	1.74	9.83	0.76	13.79
State in 1994	3 <sup>rd</sup> Quintile	1.8	18	39.9	21.28	0.83	4.92	0	1.8
n 1	4 <sup>th</sup> Quintile	0.76	3.45	20.54	41.62	18.63	1.58	0.18	0.76
te i	5 <sup>th</sup> Quintile	0	0.39	4.13	12.7	69.61	0.68	0	0
Sta	Unemployed	5.78	1.77	2.76	1.87	0.45	62.45	0.91	5.78
_	Inactive	3.45	0	0.19	0	0	13.98	65.33	3.45
anc	Missing Wage*	4.14	4.32	2.71	2.22	1.09	3.1	3.01	4.14
Ireland	State in 2001	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
	1 St Omintile								
	1 <sup>st</sup> Quintile	51.96	17.6	7.85	3	0	5.91	0.6	13.07
_	2 <sup>nd</sup> Quintile	14.37	35.77	13.25	5.43	1.59	7.12	1.87	20.6
000	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile	14.37 3.63	35.77 19	13.25 39.62	5.43 14.06	1.59 3.35	7.12 2	1.87 0.37	20.6 17.64
in 2000	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile	14.37 3.63 1.11	35.77 19 4.58	13.25 39.62 17.82	5.43 14.06 45.51	1.59 3.35 18.8	7.12 2 1.3	1.87 0.37 0.51	20.6 17.64 10.37
ıte in 2000	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile	14.37 3.63 1.11 0	35.77 19 4.58 2.95	13.25 39.62 17.82 3.04	5.43 14.06 45.51 16.48	1.59 3.35 18.8 63.81	7.12 2 1.3 0.37	1.87 0.37 0.51 0.56	20.6 17.64 10.37 12.78
State in 2000	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed	14.37 3.63 1.11 0 7.46	35.77 19 4.58 2.95 4.48	13.25 39.62 17.82 3.04 2.9	5.43 14.06 45.51 16.48 1.93	1.59 3.35 18.8 63.81 1.49	7.12 2 1.3 0.37 58.74	1.87 0.37 0.51 0.56 7.99	20.6 17.64 10.37 12.78 15.01
State in 2000	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive	14.37 3.63 1.11 0 7.46 2.73	35.77 19 4.58 2.95 4.48 0	13.25 39.62 17.82 3.04 2.9 3.28	5.43 14.06 45.51 16.48 1.93	1.59 3.35 18.8 63.81 1.49 0	7.12 2 1.3 0.37 58.74 3.64	1.87 0.37 0.51 0.56 7.99 72.61	20.6 17.64 10.37 12.78 15.01 17.74
State in 2000	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing	14.37 3.63 1.11 0 7.46 2.73 1.14	35.77 19 4.58 2.95 4.48 0 0.7	13.25 39.62 17.82 3.04 2.9 3.28 0.81	5.43 14.06 45.51 16.48 1.93 0 0.23	1.59 3.35 18.8 63.81 1.49 0	7.12 2 1.3 0.37 58.74 3.64 1.31	1.87 0.37 0.51 0.56 7.99 72.61 0.29	20.6 17.64 10.37 12.78 15.01 17.74 95.28
State in 2000	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing State in 1995	14.37 3.63 1.11 0 7.46 2.73 1.14	35.77 19 4.58 2.95 4.48 0 0.7	13.25 39.62 17.82 3.04 2.9 3.28 0.81 3rd Q	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q	1.59 3.35 18.8 63.81 1.49 0 0.24	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl.	1.87 0.37 0.51 0.56 7.99 72.61 0.29	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b>
State in 2000	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14 1st Q 54.67	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45	13.25 39.62 17.82 3.04 2.9 3.28 0.81 <b>3rd Q</b>	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q	1.59 3.35 18.8 63.81 1.49 0 0.24 5th Q	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl.	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b>
	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14 1st Q 54.67 15.55	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71	13.25 39.62 17.82 3.04 2.9 3.28 0.81 <b>3rd Q</b> 6.39 22.87	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59	1.87 0.37 0.51 0.56 7.99 72.61 0.29 <b>Inactive</b> 0.76 0.72	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b> 10.45 8.9
	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14 1st Q 54.67 15.55 4.93	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15	13.25 39.62 17.82 3.04 2.9 3.28 0.81 <b>3rd Q</b> 6.39 22.87 41.44	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86	1.59 3.35 18.8 63.81 1.49 0 0.24 5th Q 0.54 2.73 4.37	7.12 2 1.3 0.37 58.74 3.64 1.31 <b>Unempl.</b> 9.37 3.59 1.64	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b> 10.45 8.9 10.87
	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14  1st Q 54.67 15.55 4.93 2.88	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8	13.25 39.62 17.82 3.04 2.9 3.28 0.81 3rd Q 6.39 22.87 41.44 14.28	5.43 14.06 45.51 16.48 1.93 0 0.23 <b>4th Q</b> 3.36 8.93 20.86 45.98	1.59 3.35 18.8 63.81 1.49 0 0.24 5th Q 0.54 2.73 4.37 18.94	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b> 10.45 8.9 10.87 8.77
	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14 1st Q 54.67 15.55 4.93 2.88 1.7	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49	13.25 39.62 17.82 3.04 2.9 3.28 0.81 <b>3rd Q</b> 6.39 22.87 41.44 14.28 2.77	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73 4.37 18.94 64.61	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b> 10.45 8.9 10.87 8.77 11.42
State in 1994 State in 2000	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed	14.37 3.63 1.11 0 7.46 2.73 1.14 1st Q 54.67 15.55 4.93 2.88 1.7 10.46	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22	13.25 39.62 17.82 3.04 2.9 3.28 0.81 3rd Q 6.39 22.87 41.44 14.28 2.77 1.25	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q 0.54 2.73 4.37 18.94 64.61 1.78	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b> 10.45 8.9 10.87 8.77 11.42 17.97
State in 1994	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive	14.37 3.63 1.11 0 7.46 2.73 1.14 1st Q 54.67 15.55 4.93 2.88 1.7 10.46 3.23	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73	13.25 39.62 17.82 3.04 2.9 3.28 0.81 3rd Q 6.39 22.87 41.44 14.28 2.77 1.25 0.05	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73 4.37 18.94 64.61 1.78 0.41	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b> 10.45 8.9 10.87 8.77 11.42 17.97 48.27
State in 1994	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing Wage*	14.37 3.63 1.11 0 7.46 2.73 1.14 1st Q 54.67 15.55 4.93 2.88 1.7 10.46 3.23 4.06	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73 1.64	13.25 39.62 17.82 3.04 2.9 3.28 0.81 3rd Q 6.39 22.87 41.44 14.28 2.77 1.25 0.05 0.9	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17 0.63	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73 4.37 18.94 64.61 1.78 0.41 1.44	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34 6.63	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79 1.96	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b> 10.45 8.9 10.87 8.77 11.42 17.97 48.27 82.74
	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing Wage* State in 2001	14.37 3.63 1.11 0 7.46 2.73 1.14  1st Q 54.67 15.55 4.93 2.88 1.7 10.46 3.23 4.06 1st Q	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73 1.64 <b>2nd Q</b>	13.25 39.62 17.82 3.04 2.9 3.28 0.81 <b>3rd Q</b> 6.39 22.87 41.44 14.28 2.77 1.25 0.05 0.9 <b>3rd Q</b>	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17 0.63 4th Q	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73 4.37 18.94 64.61 1.78 0.41 1.44 5th Q	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34 6.63 Unempl.	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79 1.96 Inactive	20.6 17.64 10.37 12.78 15.01 17.74 95.28 Missing* 10.45 8.9 10.87 8.77 11.42 17.97 48.27 82.74 Missing*
State in 1994	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing Wage* State in 2001 1 <sup>st</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14  1st Q 54.67 15.55 4.93 2.88 1.7 10.46 3.23 4.06 1st Q 54.73	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73 1.64 <b>2nd Q</b> 14.87	13.25 39.62 17.82 3.04 2.9 3.28 0.81  3rd Q 6.39 22.87 41.44 14.28 2.77 1.25 0.05 0.9 3rd Q 4.61	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17 0.63 4th Q 2.97	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q 0.54 2.73 4.37 18.94 64.61 1.78 0.41 1.44 5th Q 1.84	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34 6.63 Unempl. 2.78	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79 1.96 Inactive	20.6 17.64 10.37 12.78 15.01 17.74 95.28 Missing* 10.45 8.9 10.87 8.77 11.42 17.97 48.27 82.74 Missing*
Italy State in 1994	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing Wage* State in 2001 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14  1st Q 54.67 15.55 4.93 2.88 1.7 10.46 3.23 4.06 1st Q 54.73 12.14	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73 1.64 <b>2nd Q</b> 14.87 44.66	13.25 39.62 17.82 3.04 2.9 3.28 0.81  3rd Q 6.39 22.87 41.44 14.28 2.77 1.25 0.05 0.9 3rd Q 4.61 19.66	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17 0.63 4th Q 2.97 3.93	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q 0.54 2.73 4.37 18.94 64.61 1.78 0.41 1.44 5th Q 1.84 1.49	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34 6.63 Unempl. 2.78 1.49	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79 1.96 Inactive	20.6 17.64 10.37 12.78 15.01 17.74 95.28 <b>Missing*</b> 10.45 8.9 10.87 8.77 11.42 17.97 48.27 82.74 <b>Missing*</b>
Italy State in 1994	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 4 <sup>th</sup> Quintile Unemployed Inactive Missing Wage* State in 2001 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14  1st Q  54.67 15.55 4.93 2.88 1.7 10.46 3.23 4.06 1st Q  54.73 12.14 2.09	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73 1.64 <b>2nd Q</b> 14.87 44.66 18	13.25 39.62 17.82 3.04 2.9 3.28 0.81 <b>3rd Q</b> 6.39 22.87 41.44 14.28 2.77 1.25 0.05 0.9 <b>3rd Q</b> 4.61 19.66 44.44	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17 0.63 4th Q 2.97 3.93 16.3	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73 4.37 18.94 64.61 1.78 0.41 1.44 5th Q  1.84 1.49 3.33	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34 6.63 Unempl. 2.78 1.49 1.22	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79 1.96 Inactive 1.78 0.26 1.04	20.6 17.64 10.37 12.78 15.01 17.74 95.28 Missing* 10.45 8.9 10.87 8.77 11.42 17.97 48.27 82.74 Missing* 16.42 16.36 13.73
Italy State in 1994	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing Wage* State in 2001 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 4 <sup>th</sup> Quintile 4 <sup>th</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14  1st Q  54.67 15.55 4.93 2.88 1.7 10.46 3.23 4.06 1st Q  54.73 12.14 2.09 1.09	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73 1.64 <b>2nd Q</b> 14.87 44.66 18 3.74	13.25 39.62 17.82 3.04 2.9 3.28 0.81  3rd Q 6.39 22.87 41.44 14.28 2.77 1.25 0.05 0.9 3rd Q 4.61 19.66 44.44 16.69	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17 0.63 4th Q 2.97 3.93 16.3 48.53	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73 4.37 18.94 64.61 1.78 0.41 1.44 5th Q  1.84 1.49 3.33 13.3	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34 6.63 Unempl. 2.78 1.49 1.22 1.33	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79 1.96 Inactive 1.78 0.26 1.04 0.31	20.6 17.64 10.37 12.78 15.01 17.74 95.28 Missing* 10.45 8.9 10.87 8.77 11.42 17.97 48.27 82.74 Missing* 16.42 16.36 13.73 15
Italy State in 1994	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing Wage* State in 2001 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 5 <sup>th</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14  1st Q  54.67 15.55 4.93 2.88 1.7 10.46 3.23 4.06 1st Q  54.73 12.14 2.09 1.09 0.36	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73 1.64 <b>2nd Q</b> 14.87 44.66 18 3.74 1.89	13.25 39.62 17.82 3.04 2.9 3.28 0.81  3rd Q 6.39 22.87 41.44 14.28 2.77 1.25 0.05 0.9 3rd Q 4.61 19.66 44.44 16.69 1.95	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17 0.63 4th Q 2.97 3.93 16.3 48.53 12.32	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73 4.37 18.94 64.61 1.78 0.41 1.44 5th Q  1.84 1.49 3.33 13.3 64.9	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34 6.63 Unempl. 2.78 1.49 1.22 1.33	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79 1.96 Inactive 1.78 0.26 1.04 0.31 0.39	20.6 17.64 10.37 12.78 15.01 17.74 95.28  Missing* 10.45 8.9 10.87 8.77 11.42 17.97 48.27 82.74 Missing* 16.42 16.36 13.73 15 18.2
State in 1994	2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 1995 1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing Wage* State in 2001 1st Quintile 2nd Quintile 2nd Quintile 3rd Quintile 4th Quintile 1st Quintile 2nd Quintile 3rd Quintile 3rd Quintile 4th Quintile 4th Quintile 4th Quintile 4th Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14   1st Q  54.67 15.55 4.93 2.88 1.7 10.46 3.23 4.06 1st Q  54.73 12.14 2.09 1.09 0.36 10.09	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73 1.64 <b>2nd Q</b> 14.87 44.66 18 3.74 1.89 3.41	13.25 39.62 17.82 3.04 2.9 3.28 0.81  3rd Q 6.39 22.87 41.44 14.28 2.77 1.25 0.05 0.9 3rd Q 4.61 19.66 44.44 16.69 1.95 2.3	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17 0.63 4th Q 2.97 3.93 16.3 48.53 12.32 1.61	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73 4.37 18.94 64.61 1.78 0.41 1.44 5th Q  1.84 1.49 3.33 13.3 64.9 0.39	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34 6.63 Unempl. 2.78 1.49 1.22 1.33 0 57.96	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79 1.96 Inactive 1.78 0.26 1.04 0.31 0.39 3.48	20.6 17.64 10.37 12.78 15.01 17.74 95.28 Missing* 10.45 8.9 10.87 8.77 11.42 17.97 48.27 82.74 Missing* 16.42 16.36 13.73 15 18.2 20.77
Italy State in 1994	2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing  State in 1995 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing Wage* State in 2001 1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 5 <sup>th</sup> Quintile	14.37 3.63 1.11 0 7.46 2.73 1.14  1st Q  54.67 15.55 4.93 2.88 1.7 10.46 3.23 4.06 1st Q  54.73 12.14 2.09 1.09 0.36	35.77 19 4.58 2.95 4.48 0 0.7 <b>2nd Q</b> 14.45 36.71 15 8 1.49 3.22 3.73 1.64 <b>2nd Q</b> 14.87 44.66 18 3.74 1.89	13.25 39.62 17.82 3.04 2.9 3.28 0.81  3rd Q 6.39 22.87 41.44 14.28 2.77 1.25 0.05 0.9 3rd Q 4.61 19.66 44.44 16.69 1.95	5.43 14.06 45.51 16.48 1.93 0 0.23 4th Q 3.36 8.93 20.86 45.98 16.17 2.09 2.17 0.63 4th Q 2.97 3.93 16.3 48.53 12.32	1.59 3.35 18.8 63.81 1.49 0 0.24  5th Q  0.54 2.73 4.37 18.94 64.61 1.78 0.41 1.44 5th Q  1.84 1.49 3.33 13.3 64.9	7.12 2 1.3 0.37 58.74 3.64 1.31 Unempl. 9.37 3.59 1.64 1.16 1.49 58.87 8.34 6.63 Unempl. 2.78 1.49 1.22 1.33	1.87 0.37 0.51 0.56 7.99 72.61 0.29 Inactive 0.76 0.72 0.38 0 0.35 4.36 33.79 1.96 Inactive 1.78 0.26 1.04 0.31 0.39	20.6 17.64 10.37 12.78 15.01 17.74 95.28 Missing* 10.45 8.9 10.87 8.77 11.42 17.97 48.27 82.74 Missing* 16.42 16.36 13.73 15 18.2

**Table 4 (Continued)** State in 1995 1st Q 2nd Q 3rd Q 4th Q 5th Q Unempl. Inactive Missing\* 1st Quintile 39.99 20.39 9.28 2.09 1.84 7.28 0.91 18.23 2nd Quintile 16.5 28.77 25.81 4.87 4.05 6.05 0.13 13.82 5.99 3rd Quintile 4.81 17 35.22 19.86 1.56 0.39 14.95 14.24 4th Quintile 2.94 6.44 20.1 36.09 18.06 2.13 0 7.73 5th Quintile 0.7 3.13 18.06 56.56 0.46 0.25 13.11 Unemployed 15.29 6.95 5.53 1.4 1.74 36.37 9.35 23.38 6.74 2.58 0.52 0 0.63 19.07 44.73 25.73 Inactive Greece Missing Wage\* 3.68 3.03 1.79 0.92 1.5 7.48 4.83 76.77 State in 2001 2nd Q 3rd Q 4th Q 5th Q Inactive Missing\* 1st Q Unempl. 1st Quintile 19.5 4.41 0.37 6.24 1.19 9.51 57.69 1.08 2nd Quintile 10.75 52.41 20.83 6.52 0.82 2.18 0 6.49 State in 2000 7.76 4.26 14 55.8 13.9 2.45 1.59 0 3rd Quintile 0 2.19 17.84 19.34 1.32 0.23 6.38 4th Quintile 52.7 5th Quintile 0 0.5 2.58 10.8 76.59 1.57 0.95 7 Unemployed 16.89 8.83 7.46 5.7 0 39.23 9.5 12.39 1.05 26.61 Inactive 8.28 4.42 0.75 0 5.37 53.51 0.98 0.36 0.79 1.03 0.6 0.38 1.05 94.8 Missing State in 1995 2nd Q 3rd Q 4th Q 5th Q Unempl. Missing\* 1st Q Inactive 1st Quintile 38.99 21.45 9.27 1.57 0.1810.95 2.06 15.55 31.82 22.21 7.95 0.71 16.74 2nd Quintile 14.17 5.62 0.78 State in 1994 3rd Quintile 4.64 13 33.48 20.93 2.92 8.16 0.52 16.66 4th Quintile 0.37 2.65 11.34 49.61 21.04 2.03 1.64 11.32 5th Quintile 0.4 0.24 1.22 14.67 69.13 1.94 0.33 12.06 Unemployed 13.21 8.97 7.79 2.17 0.52 46 3.27 18.06 Inactive 6.08 3.77 2.03 0.21 19.96 40.77 26.59 0.6 Spain Missing Wage\* 3.92 3.63 1.91 0.55 0.95 7.02 4.85 77.18 State in 2001 2nd Q 3rd Q 4th Q Missing\* 1st Q 5th Q Unempl. Inactive 1st Quintile 38.28 23.31 8.71 6.47 0.38 11.92 0.78 10.16 2nd Quintile 21.29 34.57 18.5 10.27 0.28 6.04 0.68 8.38 State in 2000 3rd Quintile 7.61 17 38.97 14.88 3.67 3.94 0.32 13.4 4.99 4th Quintile 3.5 18.15 40.77 16.36 2.5 1.19 12.53 5th Quintile 0 1.29 1.11 15.31 69.04 0.68 0.38 12.2 Unemployed 14.22 10.02 7.66 0.77 39.71 7.62 16.28 3.72 Inactive 2.14 0.35 0.25 0.15 0.35 10.74 68.39 17.64 89.34 0.99 Missing 2.15 1.57 1.51 1.56 1.48 1.4 State in 1995 1st Q 2nd Q 3rd Q 4th Q 5th Q Unempl. Inactive Missing\* 1st Quintile 23.41 8.84 2.5 0.17 4.76 0.2 8.97 51.15 43.8 9.99 2nd Quintile 16.63 22.63 4.26 0 2.62 0.07 State in 1994 3rd Quintile 5.1 12 45.81 19.03 1.86 4.21 3.72 8.14 2 6.32 12.94 53.79 9.81 3.23 0.75 11.17 4th Quintile 0.03 0.21 1.72 71.88 3.85 0 13.51 5th Quintile 8.8 9.93 19.59 Unemployed 18.83 7.45 1.79 0 36 6.41 Inactive 4.84 2.67 0.2 4.15 1.28 5.53 50.35 31 Missing Wage\* 4.42 2.31 2.22 2.95 2.4 81.41 2.08 2.2 State in 2001 1st Q 2nd Q 3rd Q 4th Q 5th Q Unempl. Inactive Missing\* 4.28 2.31 10.58 1.71 2.9 1.32 8.53 1st Quintile 68.37 2nd Quintile 13.53 50.22 21.93 3.24 0.09 3.78 0.16 7.05 State in 2000 3rd Quintile 4.82 10 52.41 15.01 6.42 2.72 0.18 8.66 0.07 17.34 1.91 4th Quintile 6.08 58.25 6.850.85 8.65 0.51 10.12 5th Quintile 0 0.48 2.43 10.25 76.13 0.07 Unemployed 10.98 7.94 15.07 1.05 2.1 34.7 4.44 23.71 Inactive 4.05 0 0 0 0.85 0.28 73.47 21.35

Missing

0.53

1.42

0.96

1.31

1.46

0.83

92.78

0.71

Q	3 <sup>ru</sup> Q	4 <sup>th</sup> Q	5''' Q	Unempl.	Inactive	Missin
23	5.05	2.3	1.36	4.32	0.58	16.55
ļ	21.82	7.72	2.74	2.8	0	11.72

	State in 1996	1 <sup>st</sup> Q	2 <sup>nd</sup> Q	3 <sup>rd</sup> Q	4 <sup>th</sup> Q	5 <sup>th</sup> Q	Unempl.	Inactive	Missing*
	1st Quintile	46.6	23.23	5.05	2.3	1.36	4.32	0.58	16.55
	2 <sup>nd</sup> Quintile	19.19	34	21.82	7.72	2.74	2.8	0	11.72
State in 1995	3 <sup>rd</sup> Quintile	11.42	26.14	24.54	21.95	5.1	1.41	0.5	8.94
11	4 <sup>th</sup> Quintile	4.28	6.36	20.92	38.19	21.57	0.79	0	7.89
E ii	5 <sup>th</sup> Quintile	0.7	3.71	3.54	19.07	61.82	1	0	10.15
Sta	Unemployed	12.34	4.73	4.04	3.46	1.15	50.63	0	23.64
	Inactive	21.43	2.81	0.51	0	2.3	4.85	39.03	29.08
tris	Missing Wage*	3.9	4.58	0.64	3.47	1.13	1.92	1.73	82.63
Austria	State in 2001	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
4	1st Quintile	65.71	12.8	4.44	1.88	0.61	4.65	0	9.92
	2 <sup>nd</sup> Quintile	14.02	53.01	15.6	5.84	2.41	1.84	0	7.28
State in 2000	3 <sup>rd</sup> Quintile	7.62	15.88	47.14	13.38	3.11	5.58	0	7.3
1 2(	4 <sup>th</sup> Quintile	2.11	2.53	10.4	54.44	15.35	2.53	0	12.64
E	5 <sup>th</sup> Quintile	0	1.1	1.75	14.59	70.7	0.65	0	11.2
Štai	Unemployed	18.93	6.85	3.22	2.28	0	36.91	3.22	28.59
<b>9</b> 1	Inactive	0	0	0	0	0	0	68.49	31.51
	Missing	1.08	0.96	0.6	0.77	0.74	0.18	0.4	95.27
	State in 1997	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
	1 <sup>st</sup> Quintile	45.53	18.19	5.34	3.54	1.23	10.58	0.38	15.22
	2 <sup>nd</sup> Quintile	10.75	43.73	21.25	4.91	3.06	4.42	0	11.89
966	3 <sup>rd</sup> Quintile	5.46	21.87	39.6	16.7	6.4	1.55	0	8.43
11	4 <sup>th</sup> Quintile	1.74	5.81	21.43	47.16	15.97	1.26	0	6.63
ie ii	5 <sup>th</sup> Quintile	0.92	1.85	6.33	16.45	63.88	1.24	0	9.33
State in 1996	Unemployed	13.27	2.09	3.72	0.54	0.65	58.87	0.75	20.11
	Inactive	0.91	1.37	1.83	0	3.2	4.11	22.83	65.75
anc	Missing Wage*	( 22	1.05	0.50	1 22	2.22	5.91	0.56	81.08
Finland	wissing wage	6.32	1.95	0.72	1.23	2.23	3.91	0.50	01.00
<u> </u>	State in 2001	6.32 1st Q	1.95 <b>2nd Q</b>	0.72 <b>3rd Q</b>	1.23 4th Q	2.23 5th Q	Unempl.	Inactive	Missing*
	State in 2001  1 <sup>st</sup> Quintile								
	State in 2001	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
000	State in 2001  1 <sup>st</sup> Quintile  2 <sup>nd</sup> Quintile  3 <sup>rd</sup> Quintile	1st Q 48.39	2nd Q 23.07	3rd Q 9.63	4th Q 2.03	5th Q 1.51	Unempl.	Inactive 0	<b>Missing*</b> 11.55
ո 2000	State in 2001  1 <sup>st</sup> Quintile  2 <sup>nd</sup> Quintile  3 <sup>rd</sup> Quintile  4 <sup>th</sup> Quintile	1st Q 48.39 20.2	2nd Q 23.07 35.27	3rd Q 9.63 22.38	<b>4th Q</b> 2.03 5.47	5th Q 1.51 3.36	3.8 1.96	0 1.51	Missing* 11.55 9.86
te in 2000	State in 2001  1 <sup>st</sup> Quintile  2 <sup>nd</sup> Quintile  3 <sup>rd</sup> Quintile	1st Q 48.39 20.2 2.19	2nd Q 23.07 35.27 18.67	9.63 22.38 40.4	2.03 5.47 22.37	5th Q 1.51 3.36 1.89	3.8 1.96 2.23	0 1.51 0	Missing* 11.55 9.86 12.26
State in 2000	State in 2001  1 <sup>st</sup> Quintile  2 <sup>nd</sup> Quintile  3 <sup>rd</sup> Quintile  4 <sup>th</sup> Quintile	1st Q 48.39 20.2 2.19 3.08	2nd Q 23.07 35.27 18.67 3.73	9.63 22.38 40.4 14.11	2.03 5.47 22.37 47.02	5th Q 1.51 3.36 1.89 17.84	3.8 1.96 2.23 2.81	0 1.51 0 0.12	Missing* 11.55 9.86 12.26 11.3
State in 2000	State in 2001  1 <sup>st</sup> Quintile  2 <sup>nd</sup> Quintile  3 <sup>rd</sup> Quintile  4 <sup>th</sup> Quintile  5 <sup>th</sup> Quintile	1st Q 48.39 20.2 2.19 3.08 0.9	2nd Q 23.07 35.27 18.67 3.73 0.94	9.63 22.38 40.4 14.11 4.89	2.03 5.47 22.37 47.02 16.95	5th Q 1.51 3.36 1.89 17.84 66.02	3.8 1.96 2.23 2.81 0.34	0 1.51 0 0.12	Missing* 11.55 9.86 12.26 11.3 9.96

**Table 4 (Continued)** 

50

<sup>\*</sup> Missing Wage refers to individuals with missing wage in the first wave and Missing refers to individuals with missing wage, self-employed, retired, not in formal employment and those that dropped from the survey in the previous year

**Table 5. Long-Term Transition Rates Among Labour Market States** 

		Table :	5. Long-T	erm Trans	sition Rate	es Among	Labour M	larket Stat	es	
		State in 2001	1 <sup>st</sup> Q	2 <sup>nd</sup> Q	3 <sup>rd</sup> Q	4 <sup>th</sup> Q	5 <sup>th</sup> Q	Unempl.	Inactive	Missing*
		1st Quintile	24.7	13.38	8.87	2.4	0.88	10.62	1.84	37.32
		2 <sup>nd</sup> Quintile	10.35	21.27	13.02	12.84	2.98	4.69	0.14	34.7
ny	94	3 <sup>rd</sup> Quintile	5.97	11.48	17.89	17.2	4.6	4.95	1.17	36.74
Germany	State in 1994	4 <sup>th</sup> Quintile	1.32	5.8	11.66	25.46	16.74	2.19	1.38	35.45
řer	e ii.	5 <sup>th</sup> Quintile	0.52	0.91	2.6	10.65	44.21	0.48	0.4	40.22
_	tat	Unemployed	16.84	6.38	5.36	6.53	3.34	14.37	1.84	45.35
	S	Inactive	7.95	1.91	7.85	0.21	2.55	3.82	8.7	67.02
		Missing Wage*	8.66	5.78	7.98	6.26	3.29	3.13	2.42	62.48
		State in 2001	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
		1st Quintile	16.67	9.31	14.33	5.83	2.48	4.89	2.24	44.25
		2nd Quintile	24.11	17.35	12.64	2.17	7.36	0.14	0	36.23
ž	4	3rd Quintile	6.56	11.35	18.59	7.29	8.58	1.08	0.36	46.19
Denmark	State in1994	4th Quintile	2.85	12.07	12.07	16.37	12.66	1.45	0	42.53
en]	e ii.	5th Quintile	2.29	2.22	3.6	14.22	30.78	1.52	0	45.36
	tat	Unemployed	5.94	10.58	2.99	4.38	8.47	7.21	0.67	59.74
	S	Inactive	21.59	0	0	0	0	0	0	78.41
		Missing	6.21	4.56	8.31	5.05	3.82	3.19	0.16	68.7
		State in 2001	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
		1 <sup>st</sup> Quintile	18.3	12.93	8.78	6.36	1.63	0.88	1.11	50.01
		2 <sup>nd</sup> Quintile	6.14	19.42	15.38	8.01	1.74	1.08	1.5	46.73
ads	4	3 <sup>rd</sup> Quintile	1.19	9.3	19.44	16.57	9.04	0.56	0.45	43.45
Netherlnads	State in 1994	4 <sup>th</sup> Quintile	0.24	2.48	9.98	23.29	12.55	0.81	1.19	49.46
the	Ë.	5 <sup>th</sup> Quintile	0.33	0.46	2.86	10.32	43.37	0.08	0.53	42.05
Š	ate	Unemployed	9.87	9.39	2.15	3.59	2.15	9.6	7.3	55.95
	$\mathbf{Z}$	Inactive	3.54	0	1.4	0.84	5.49	9.31	26.82	52.61
		Missing Wage*	9.07	7	8.73	9.56	4.76	0.55	1.08	59.24
		1111001115 11 450	7.07							
		State in 2001	1st O	2nd O						
		State in 2001	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
		1st Quintile	19.91	13.81	3rd Q 10.73	<b>4th Q</b> 7.76	5th Q 3.8	<b>Unempl.</b> 2.53	Inactive 0.72	Missing* 40.74
g	94	1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile	19.91 15.53	13.81 16.71	3rd Q 10.73 11.06	4th Q 7.76 8.06	<b>5th Q</b> 3.8 4.29	2.53 2.76	0.72 0.9	Missing* 40.74 40.7
gium	1994	1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile	19.91 15.53 7.53	13.81 16.71 17.91	3rd Q 10.73 11.06 15.34	7.76 8.06 12.69	3.8 4.29 5.46	2.53 2.76 0.7	0.72 0.9 0.62	Missing* 40.74 40.7 39.76
Selgium	in 1994	1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile	19.91 15.53 7.53 2.14	13.81 16.71 17.91 2.8	3rd Q 10.73 11.06 15.34 13.85	7.76 8.06 12.69 23.12	3.8 4.29 5.46 13.15	2.53 2.76 0.7 0.68	0.72 0.9 0.62	Missing* 40.74 40.7 39.76 44.26
Belgium	tate in 1994	1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile	19.91 15.53 7.53 2.14 0.8	13.81 16.71 17.91 2.8 2.16	3rd Q 10.73 11.06 15.34 13.85 1.79	7.76 8.06 12.69 23.12 12.41	3.8 4.29 5.46 13.15 39.45	2.53 2.76 0.7 0.68 0.97	0.72 0.9 0.62 0	Missing* 40.74 40.7 39.76 44.26 41.74
Belgium	State in 1994	1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed	19.91 15.53 7.53 2.14 0.8 4.13	13.81 16.71 17.91 2.8 2.16 7.04	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34	7.76 8.06 12.69 23.12 12.41 1.53	3.8 4.29 5.46 13.15 39.45 0.48	Unempl.  2.53  2.76  0.7  0.68  0.97  22.39	0.72 0.9 0.62 0 0.68 0.99	Missing* 40.74 40.7 39.76 44.26 41.74 55.12
Belgium	State in 1994	1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive	19.91 15.53 7.53 2.14 0.8 4.13 0.81	13.81 16.71 17.91 2.8 2.16 7.04	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9	7.76 8.06 12.69 23.12 12.41 1.53 0	5th Q 3.8 4.29 5.46 13.15 39.45 0.48 0	Unempl.  2.53  2.76  0.7  0.68  0.97  22.39  0	0.72 0.9 0.62 0 0.68 0.99 28.78	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51
Belgium	State in 1994	1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34	7.76 8.06 12.69 23.12 12.41 1.53 0 5.72	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94	Unempl.  2.53  2.76  0.7  0.68  0.97  22.39  0  1.93	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56
Belgium	State in 1994	1 <sup>st</sup> Quintile 2 <sup>nd</sup> Quintile 3 <sup>rd</sup> Quintile 4 <sup>th</sup> Quintile 5 <sup>th</sup> Quintile Unemployed Inactive Missing State in 2001	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18 <b>2nd Q</b>	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94  5th Q	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53	Missing*  40.74  40.7  39.76  44.26  41.74  55.12  67.51  71.56  Missing*
	State in 1994	1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001 1st Quintile	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18 <b>2nd Q</b>	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94  5th Q  0.87	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl. 0.5	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56 Missing* 53.88
		1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q 17.82 4.64	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18 <b>2nd Q</b> 19.54 23.77	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94  5th Q  0.87  0	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl. 0.5 0	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56 Missing* 53.88 49.68
		1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q 17.82 4.64 1.06	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18 <b>2nd Q</b> 19.54 23.77 4.12	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99 25.04	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94  5th Q  0.87  0  6.24	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive 0.81 0	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56 Missing* 53.88 49.68 44.65
		1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001 1st Quintile 2nd Quintile 3rd Quintile 4th Quintile	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q 17.82 4.64 1.06 0	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18 <b>2nd Q</b> 19.54 23.77 4.12 0.92	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99 25.04 6.29	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94  5th Q  0.87  0  6.24  18.6	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive 0.81 0	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56 Missing* 53.88 49.68 44.65 45.54
		1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile 5th Quintile	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q 17.82 4.64 1.06 0	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18 <b>2nd Q</b> 19.54 23.77 4.12 0.92 0.25	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99 25.04 6.29 1.36	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94  5th Q  0.87  0  6.24  18.6  42.91	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0 0	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive 0.81 0 0	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56 Missing* 53.88 49.68 44.65 45.54 45.63
Luxembourg	State in 1995 State in 1994	1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile 5th Quintile Unemployed	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q 17.82 4.64 1.06 0 0 2.98	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18 <b>2nd Q</b> 19.54 23.77 4.12 0.92 0.25 3.47	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99 25.04 6.29 1.36 11.42	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94  5th Q  0.87  0  6.24  18.6  42.91  2.26	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl. 0.5 0 0 0 4.58	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive 0.81 0 0 0 1.99	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56 Missing* 53.88 49.68 44.65 45.54 45.63 66.3
		1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Inactive	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q 17.82 4.64 1.06 0 0 2.98 0	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18 <b>2nd Q</b> 19.54 23.77 4.12 0.92 0.25 3.47 20	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99 25.04 6.29 1.36 11.42 0	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0	5th Q  3.8  4.29 5.46 13.15 39.45 0.48 0 1.94  5th Q  0.87 0 6.24 18.6 42.91 2.26 0	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0 4.58 0	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive 0.81 0 0 0 1.99 9	Missing*  40.74  40.7  39.76  44.26  41.74  55.12  67.51  71.56  Missing*  53.88  49.68  44.65  45.54  45.63  66.3  71
		1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing Wage*	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q 17.82 4.64 1.06 0 0 2.98 0 5.9	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18  2nd Q  19.54 23.77 4.12 0.92 0.25 3.47 20 4.26	3rd Q  10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q  5.58 16.99 25.04 6.29 1.36 11.42 0 1.71	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0 0.53	5th Q  3.8  4.29 5.46 13.15 39.45 0.48 0 1.94  5th Q  0.87 0 6.24 18.6 42.91 2.26 0 3.51	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0 4.58 0 2.14	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive  0.81 0 0 0 1.99 9 2.49	Missing*  40.74  40.7  39.76  44.26  41.74  55.12  67.51  71.56  Missing*  53.88  49.68  44.65  45.63  66.3  71  79.47
		1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing Wage*  State in 2001	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79 1st Q 17.82 4.64 1.06 0 0 2.98 0 5.9	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18  2nd Q 19.54 23.77 4.12 0.92 0.25 3.47 20 4.26 2nd Q	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99 25.04 6.29 1.36 11.42 0 1.71 3rd Q	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0 0.53 4th Q	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94  5th Q  0.87  0  6.24  18.6  42.91  2.26  0  3.51  5th Q	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0 4.58 0 2.14 Unempl.	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive  0.81 0 0 1.99 9 2.49 Inactive	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56 Missing* 53.88 49.68 44.65 45.54 45.63 66.3 71 79.47 Missing*
		1st Quintile 2nd Quintile 3rd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001 1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing Wage*  State in 2001 1st Quintile	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79  1st Q 17.82 4.64 1.06 0 0 2.98 0 5.9  1st Q 19.2	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18  2nd Q 19.54 23.77 4.12 0.92 0.25 3.47 20 4.26  2nd Q 18.63	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99 25.04 6.29 1.36 11.42 0 1.71 3rd Q 6.8	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0 0.53 4th Q 1.61	5th Q  3.8  4.29  5.46  13.15  39.45  0.48  0  1.94  5th Q  0.87  0  6.24  18.6  42.91  2.26  0  3.51  5th Q  0.57	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0 4.58 0 2.14 Unempl. 4.07	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive  0.81 0 0 0 1.99 9 2.49 Inactive	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56 Missing* 53.88 49.68 44.65 45.63 66.3 71 79.47 Missing* 47.41
Luxembourg	State in 1995	1st Quintile 2nd Quintile 3rd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001 1st Quintile 3rd Quintile 4th Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing Wage*  State in 2001 1st Quintile 2nd Quintile	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79  1st Q  17.82 4.64 1.06 0 0 2.98 0 5.9  1st Q  19.2 8.33	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18  2nd Q  19.54 23.77 4.12 0.92 0.25 3.47 20 4.26  2nd Q  18.63 14.69	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99 25.04 6.29 1.36 11.42 0 1.71 3rd Q 6.8 16.79	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0 0.53 4th Q 1.61 5.79	5th Q  3.8  4.29 5.46 13.15 39.45 0.48 0 1.94  5th Q  0.87 0 6.24 18.6 42.91 2.26 0 3.51  5th Q  0.57 1.32	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl. 0.5 0 0 4.58 0 2.14 Unempl. 4.07 4.55	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive  0.81 0 0 1.99 9 2.49 Inactive  1.71 1.05	Missing* 40.74 40.7 39.76 44.26 41.74 55.12 67.51 71.56 Missing* 53.88 49.68 44.65 45.54 45.63 66.3 71 79.47 Missing* 47.41 47.48
Luxembourg	State in 1995	1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing Wage*  State in 2001  1st Quintile Unemployed Inactive Missing Wage*	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79  1st Q  17.82 4.64 1.06 0 0 2.98 0 5.9  1st Q  19.2 8.33 1.59	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18  2nd Q  19.54 23.77 4.12 0.92 0.25 3.47 20 4.26 2nd Q  18.63 14.69 6.45	3rd Q 10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q 5.58 16.99 25.04 6.29 1.36 11.42 0 1.71 3rd Q 6.8 16.79 18.62	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0 0.53 4th Q 1.61 5.79 20.01	5th Q  3.8  4.29 5.46 13.15 39.45 0.48 0 1.94  5th Q  0.87 0 6.24 18.6 42.91 2.26 0 3.51  5th Q  0.57 1.32 4.89	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl. 0.5 0 0 4.58 0 2.14 Unempl. 4.07 4.55 1.79	0.72 0.9 0.62 0 0.68 0.99 28.78 1.53 Inactive  0.81 0 0 1.99 9 2.49 Inactive  1.71 1.05 0.68	Missing*  40.74  40.7  39.76  44.26  41.74  55.12  67.51  71.56  Missing*  53.88  49.68  44.65  45.54  45.63  66.3  71  79.47  Missing*  47.41  47.48  45.97
Luxembourg	State in 1995	1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing Wage*  State in 2001  1st Quintile Unemployed Inactive Missing Wage*	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79  1st Q 17.82 4.64 1.06 0 2.98 0 5.9  1st Q 19.2 8.33 1.59 2.36	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18  2nd Q  19.54 23.77 4.12 0.92 0.25 3.47 20 4.26  2nd Q  18.63 14.69 6.45 3.21	3rd Q  10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q  5.58 16.99 25.04 6.29 1.36 11.42 0 1.71 3rd Q 6.8 16.79 18.62 7.68	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0 0.53 4th Q 1.61 5.79 20.01 20.62	5th Q  3.8  4.29 5.46 13.15 39.45 0.48 0 1.94  5th Q  0.87 0 6.24 18.6 42.91 2.26 0 3.51  5th Q  0.57 1.32 4.89 18.73	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0 4.58 0 2.14 Unempl.  4.07 4.55 1.79 1.12	Inactive   0.72   0.9   0.62   0   0.68   0.99   28.78   1.53   Inactive   0.81   0   0   0   1.99   9   2.49   Inactive   1.71   1.05   0.68   0.72	Missing*  40.74  40.7  39.76  44.26  41.74  55.12  67.51  71.56  Missing*  53.88  49.68  44.65  45.54  45.63  66.3  71  79.47  Missing*  47.41  47.48  45.97  45.56
	State in 1995	1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing Wage*  State in 2001  1st Quintile Unemployed Inactive Missing Wage*  State in 2001  1st Quintile 2nd Quintile 2nd Quintile 3rd Quintile 3rd Quintile 3rd Quintile 3rd Quintile 4th Quintile 5th Quintile	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79  1st Q  17.82 4.64 1.06 0 2.98 0 5.9  1st Q  19.2 8.33 1.59 2.36 0.99	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18  2nd Q  19.54 23.77 4.12 0.92 0.25 3.47 20 4.26  2nd Q  18.63 14.69 6.45 3.21 1.32	3rd Q  10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q  5.58 16.99 25.04 6.29 1.36 11.42 0 1.71 3rd Q 6.8 16.79 18.62 7.68 4.22	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0 0.53 4th Q 1.61 5.79 20.01 20.62 10.29	5th Q  3.8  4.29 5.46 13.15 39.45 0.48 0 1.94  5th Q  0.87 0 6.24 18.6 42.91 2.26 0 3.51  5th Q  0.57 1.32 4.89 18.73 38.46	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0 4.58 0 2.14 Unempl.  4.07 4.55 1.79 1.12 0.75	Inactive   0.72   0.9   0.62   0   0.68   0.99   28.78   1.53   Inactive   0.81   0   0   0   1.99   9   2.49   Inactive   1.71   1.05   0.68   0.72   0.42   0.42	Missing*  40.74  40.7  39.76  44.26  41.74  55.12  67.51  71.56  Missing*  53.88  49.68  44.65  45.54  45.63  66.3  71  79.47  Missing*  47.41  47.48  45.97  45.56  43.55
Luxembourg		1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile Unemployed Inactive Missing Wage*  State in 2001  1st Quintile Unemployed Inactive Missing Wage*  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 3rd Quintile 3rd Quintile 3rd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79  1st Q 17.82 4.64 1.06 0 2.98 0 5.9  1st Q 19.2 8.33 1.59 2.36 0.99 10.84	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18  2nd Q 19.54 23.77 4.12 0.92 0.25 3.47 20 4.26  2nd Q 18.63 14.69 6.45 3.21 1.32 6.27	3rd Q  10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q  5.58 16.99 25.04 6.29 1.36 11.42 0 1.71 3rd Q 6.8 16.79 18.62 7.68 4.22 3.55	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0 0.53 4th Q 1.61 5.79 20.01 20.62 10.29 3.66	5th Q  3.8  4.29 5.46 13.15 39.45 0.48 0 1.94  5th Q  0.87 0 6.24 18.6 42.91 2.26 0 3.51  5th Q  0.57 1.32 4.89 18.73 38.46 2.67	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0 4.58 0 2.14 Unempl.  4.07 4.55 1.79 1.12 0.75 8.96	Inactive   0.72   0.9   0.62   0   0.68   0.99   28.78   1.53   Inactive   0.81   0   0   0   0   1.99   9   2.49   Inactive   1.71   1.05   0.68   0.72   0.42   3.12   0.69   0.72   0.42   3.12   0.69   0.72   0.42   3.12   0.69   0.72   0.42   3.12   0.69   0.72   0.42   3.12   0.69   0.72   0.42   3.12   0.69   0.72   0.42   3.12   0.69   0.72   0.42   3.12   0.69   0.72   0.42   3.12   0.69   0.72   0.42	Missing*  40.74  40.7  39.76  44.26  41.74  55.12  67.51  71.56  Missing*  53.88  49.68  44.65  45.54  45.63  66.3  71  79.47  Missing*  47.41  47.48  45.97  45.56  43.55  60.93
Luxembourg	State in 1995	1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing  State in 2001  1st Quintile 2nd Quintile 3rd Quintile 4th Quintile 5th Quintile Unemployed Inactive Missing Wage*  State in 2001  1st Quintile Unemployed Inactive Missing Wage*  State in 2001  1st Quintile 2nd Quintile 2nd Quintile 3rd Quintile 3rd Quintile 3rd Quintile 3rd Quintile 4th Quintile 5th Quintile	19.91 15.53 7.53 2.14 0.8 4.13 0.81 6.79  1st Q  17.82 4.64 1.06 0 2.98 0 5.9  1st Q  19.2 8.33 1.59 2.36 0.99	13.81 16.71 17.91 2.8 2.16 7.04 0 4.18  2nd Q  19.54 23.77 4.12 0.92 0.25 3.47 20 4.26  2nd Q  18.63 14.69 6.45 3.21 1.32	3rd Q  10.73 11.06 15.34 13.85 1.79 8.34 2.9 6.34 3rd Q  5.58 16.99 25.04 6.29 1.36 11.42 0 1.71 3rd Q 6.8 16.79 18.62 7.68 4.22	4th Q 7.76 8.06 12.69 23.12 12.41 1.53 0 5.72 4th Q 1 4.93 18.88 28.65 9.85 7 0 0.53 4th Q 1.61 5.79 20.01 20.62 10.29	5th Q  3.8  4.29 5.46 13.15 39.45 0.48 0 1.94  5th Q  0.87 0 6.24 18.6 42.91 2.26 0 3.51  5th Q  0.57 1.32 4.89 18.73 38.46	Unempl.  2.53 2.76 0.7 0.68 0.97 22.39 0 1.93 Unempl.  0.5 0 0 4.58 0 2.14 Unempl.  4.07 4.55 1.79 1.12 0.75	Inactive   0.72   0.9   0.62   0   0.68   0.99   28.78   1.53   Inactive   0.81   0   0   0   1.99   9   2.49   Inactive   1.71   1.05   0.68   0.72   0.42   0.42	Missing*  40.74  40.7  39.76  44.26  41.74  55.12  67.51  71.56  Missing*  53.88  49.68  44.65  45.54  45.63  66.3  71  79.47  Missing*  47.41  47.48  45.97  45.56  43.55

**Table 5 (Continued)** 2<sup>nd</sup> Q 5<sup>th</sup> Q 1<sup>st</sup> O State in 2001 3<sup>rd</sup> Q 4<sup>th</sup> Q Missing\* Unempl. Inactive 1st Quintile 20.32 19.25 2.99 27.39 15.53 6.11 5.31 3.11 2<sup>nd</sup> Quintile 13.82 22.88 15.82 10.43 3.37 0.48 1.4 31.8 State in 1994 3<sup>rd</sup> Quintile 6.95 11.35 24.86 17.05 10.17 1.35 0 28.27 4th Quintile 2.38 4.81 11.71 29.82 22.79 0.84 3.14 24.51 5<sup>th</sup> Quintile 1.63 0.42 2.15 12.96 45.2 1.87 2.29 33.49 41.9 Unemployed 11.92 7.52 7.67 6.3 3.18 16.2 5.32 3.54 43.42 Inactive 6.74 5.62 4.33 4.04 24.9 7.41 64.45 Missing Wage\* 5.64 5.65 7.37 5.61 4.2 3.26 3.81 State in 2001 1st Q 2nd Q 3rd Q 4th Q 5th Q Unempl. Inactive Missing\* 8.72 5.97 52.79 1st Quintile 10.49 11.65 8.33 2.05 0 2<sup>nd</sup> Quintile 9 6.2 10.05 7.22 1.63 2.1 2.9 60.89 State in 1994 3<sup>rd</sup> Quintile 1.94 9.74 13.55 9.06 8.12 0 0.54 57.05 Ireland 4th Quintile 0.32 0.76 0.76 8.42 11.8 18.09 1.15 58.71 5<sup>th</sup> Quintile 0.83 1.18 7 29.17 0.72 0 0.65 60.46 Unemployed 5.7 6.28 7 1.91 0.35 13.89 5.72 59.14 1.12 Inactive 6.52 0 0 0 9.04 23.86 59.46 2.57 2.71 1.89 4.85 0.85 3.89 82.48 Missing 0.76 3rd Q 4th Q 5th Q State in 2001 1st Q 2nd Q Unempl. Inactive Missing\* 1st Quintile 17.46 16.67 9.27 5.29 2.29 3.9 0.61 44.5 2<sup>nd</sup> Quintile 4.97 14.49 16.73 10.58 2.23 0.49 46.85 3.66 3<sup>rd</sup> Quintile 7.93 16.19 14.2 1.29 48.19 3 7.53 1.67 4<sup>th</sup> Quintile 1.01 5.38 8.97 21.99 16.94 0.37 1.27 44.07 5<sup>th</sup> Quintile 0.17 1.79 3.23 9.01 34.99 0.29 0.58 49.93 Unemployed 13.24 7.71 4.45 3.44 2.09 16.22 2.84 50 1.98 Inactive 3.87 3.04 1.71 1.34 6.69 11.3 70.08 Missing Wage\* 4.15 2.61 3.03 3.17 2.16 3.93 1.67 79.29 State in 2001 1st Q 2nd Q 3rd Q 4th Q 5th Q Unempl. Inactive Missing\* 1st Quintile 15.45 13.37 11.53 5.46 3.26 2.21 0.7 48.02 2<sup>nd</sup> Quintile 7.72 10.31 15.43 10.12 2.98 1.41 0.26 51.79 3<sup>rd</sup> Quintile 1.42 4.84 17.51 18.75 4.45 0.23 0.66 52.13 Greece 4th Quintile 11.96 3.16 2.9 19.13 12.53 0.68 0 49.63 5<sup>th</sup> Quintile 0 2.7 3 46.71 12.27 34.75 0 0.57 Unemployed 8.11 12.07 6.86 3.69 1.57 8.09 3.16 56.44 Inactive 6.62 6.3 3.01 4.44 0.59 1.59 16.18 61.26 4.17 80.57 Missing 3.3 3.56 1.11 2.28 2.75 2.27 2nd Q State in 2001 1st Q 3rd Q 4th Q 5th Q Unempl. Inactive Missing\* 1st Quintile 18.47 14.53 9.31 5.33 1.33 3.98 2.01 45.05 2<sup>nd</sup> Quintile 15.59 54.34 5.49 12.21 6.62 2.18 2.53 1.04 State in 1994 3<sup>rd</sup> Quintile 17.34 6.01 6.16 15.75 5.62 2.83 1.61 44.67 Spain 4th Quintile 1.39 5.89 23.28 19.72 2.33 3.33 42.56 1.51 5<sup>th</sup> Quintile 0 1.25 1.29 3.56 44.87 0.51 2.49 46.03 48.39 Unemployed 10.5 8.75 8.53 7.49 0.91 12.46 2.96 Inactive 3.85 4.55 4.91 2 0.786.91 24.74 52.26 Missing Wage\* 4.87 4.48 3.64 4.86 4.3 2.62 2.52 72.7 4th Q State in 2001 1st Q 2nd Q 3rd Q 5th Q Unempl. Inactive Missing\* 1st Quintile 25.3 18.35 9.01 7.83 0.67 3.1 0.64 35.09 2<sup>nd</sup> Quintile 11.42 9.58 1.74 16.67 18.81 1.36 1.47 38.96 Portugal State in 1994 3<sup>rd</sup> Ouintile 6.27 13.65 16.61 15.99 6.34 2.79 2.38 35.95 4<sup>th</sup> Quintile 3.94 8.49 22.34 14.43 1.05 0.48 45.84 3.43 5<sup>th</sup> Quintile 0.070.07 3.85 7.18 40.43 1.31 0.14 46.96 14.07 8.34 9.66 47.03 Unemployed 9.66 3.1 3.45 4.69 49.95 Inactive 11.06 1.68 3.06 1.78 1.09 2.96 28.43

4.49

4.34

7.07

Missing

3.2

2.67

75.48

1.27

1.49

**Table 5 (Continued)** 

		State in 2001	1 <sup>st</sup> Q	2 <sup>nd</sup> Q	$\frac{able 5}{3^{rd} Q}$	4 <sup>th</sup> Q	5 <sup>th</sup> Q	Unempl.	Inactive	Missing*
		1 <sup>st</sup> Quintile	23.54	16.86	7.6	3.13	1.94	2.25	0.39	44.3
		2 <sup>nd</sup> Quintile	10.63	14.49	17.77	11.53	2.8	3.11	0	39.68
ī.	1995	3 <sup>rd</sup> Quintile	8.85	12.93	11.45	14.4	5.82	4.3	0.41	41.84
Austria		4 <sup>th</sup> Quintile	0.62	5.86	7.46	24.87	13.32	1.24	0.59	46.04
Αľ	ie ii	5 <sup>th</sup> Quintile	1.51	3.15	3.85	8.84	35.19	1.14	0	46.32
	State in	Unemployed	10.27	1.15	3.58	1.73	2.08	19.03	0	62.17
	<b>9</b> 1	Inactive	14.29	0	2.81	6.63	2.3	0.51	9.18	64.29
		Missing Wage*	4.91	3.65	3.63	1.3	3.4	0.17	0.14	82.81
		State in 2001	1st Q	2nd Q	3rd Q	4th Q	5th Q	Unempl.	Inactive	Missing*
		1 <sup>st</sup> Quintile	20.59	11.87	7.01	6.76	2.68	2.12	0.6	48.37
		2 <sup>nd</sup> Quintile	7.29	19.15	19.27	10.53	1.95	0.56	0.28	40.98
pr	96	3 <sup>rd</sup> Quintile	5.07	10.82	21.71	14.7	8.04	2	0	37.66
Finland	State in1996	4 <sup>th</sup> Quintile	0.69	4.32	10.95	20.96	17.83	1.64	0	43.59
逹	te i	5 <sup>th</sup> Quintile	1.72	0.95	3.88	10.79	35.23	0.67	0.29	46.47
	Sta	Unemployed	14.51	9.58	5.16	3.49	1.45	12.88	0.83	52.1
	-1	Inactive	0	0	4.57	2.74	0	6.39	0	86.3
		Missing	5.66	4.51	4.35	5.08	4.25	3.17	1.81	71.16

<sup>\*</sup> Missing Wage refers to individuals with missing wage in the first wave and Missing refers to individuals with missing wage, self-employed, retired, not in formal employment and those that dropped from the survey in the previous year.

**Table 6. Short-Term Transition Rates Among Income Quintiles** 

-	Tabl	le 6. Short-Term	1 Transition Rat State in	es Among Incom	ie Quintiles	
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	71.28	21.63	6	1.09	0
	2nd Quintile	15.93	55.46	20.42	7.22	0.98
				49.2		
	3rd Quintile	4.15	19.68		23.36	3.62
ny	4th Quintile	0.47	4.82	20.38	55.66	18.67
ma	5th Quintile	0	0.5	2.56	12.9	84.03
Germany	G	4 . 0	State in		44.0.1.41	#4 O 1 49
•	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	77.43	17.39	4.21	0.74	0.23
	2nd Quintile	17.75	57.19	20.3	4.34	0.41
	3rd Quintile	3.68	21.97	53.15	20.09	1.12
	4th Quintile	0.6	2.63	15.79	66.86	14.13
	5th Quintile	0.58	2.55	2.91	14.89	79.08
			State in			
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	55.54	26.12	13.4	2.28	2.67
	2nd Quintile	25.15	47.93	17.03	8.63	1.26
	3rd Quintile	7.03	34.02	32.22	19.84	6.89
¥	4th Quintile	0.88	7.75	25.73	48.91	16.73
nar	5th Quintile	2.42	1.15	1.82	27.9	66.71
Denmark			State in	2001		
Õ	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	60.81	20.21	15.94	2.17	0.87
	2nd Quintile	28.36	41.29	21.36	3.45	5.54
	3rd Quintile	6.61	23.05	50.56	16.36	3.42
	4th Quintile	4.81	9.09	23.02	43.4	19.68
	5th Quintile	0.66	0.77	6.44	15.01	77.12
			State in	1995		
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	61.88	29.72	6.16	2.14	0.09
	2nd Quintile	13.02	51.22	27.54	6.55	1.66
	3rd Quintile	3.33	16.08	51.68	25.46	3.45
ds	4th Quintile	0.58	3.04	14.91	59.91	21.56
lan	5th Quintile	1	0.55	2.58	14.92	80.94
her			State in			
Netherlands	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
~	1st Quintile	71.13	20.01	4.7	3.56	0.6
	2nd Quintile	9.31	59.25	22.57	7.3	1.56
	3rd Quintile	5.55	8.59	61.68	19	5.18
	4th Quintile	1.04	1.41	18.41	63.84	15.3
	5th Quintile	0	0.85	1.43	18.22	79.5
	3th Quintile	0	State in		10.22	17.5
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	54.42	20.13	12.22	8.2	5.03
	2nd Quintile	28.54	43.39	18.78	7.72	1.57
	3rd Quintile	5.96	28.14	48.55	12.84	4.51
	4th Quintile	3.7	5.64	48.55 24.09	49.88	4.51 16.68
E						
E	5th Quintile	0.71	1.68	3.09	18.49	76.02
Belgium	04-4-1-2000	1-40 1 49	State in		445.0 1 49	54.0
	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1 . 0	70.75		8.59	0.39	0.35
	1st Quintile	72.75	17.92			
	2nd Quintile	12.7	54.52	23.99	6.7	2.09
	2nd Quintile 3rd Quintile	12.7 6.37	54.52 20.15	23.99 43.23	6.7 27.42	2.09 2.82
	2nd Quintile	12.7	54.52	23.99	6.7	2.09

 Table 7.(Continued)

				Continued)		
				in 1996		
	State in 1995	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	76.59	20.03	1.42	0.88	1.09
	2nd Quintile	15.78	66.6	17.11	0.23	0.27
50	3rd Quintile	2.82	14.51	68.15	10.46	4.05
arg	4th Quintile	0.25	0.7	21.98	64.35	12.73
Luxembourg	5th Quintile	0.3	0	4.12	16.95	78.62
Ken			State i	in 2001		
3	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	70.77	26.87	1.75	0.61	0
	2nd Quintile	11.44	67.15	19.03	1.74	0.64
	3rd Quintile	2.87	6.29	68.93	21.06	0.85
	4th Quintile	0.3	1.36	10.26	69.22	18.86
	5th Quintile	0	0.23	0.33	12.24	87.2
			State i	in 1995		
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	65.42	25.5	7.18	1.2	0.71
	2nd Quintile	15.11	55.45	24.6	3.91	0.93
	3rd Quintile	4.84	17.24	51.07	23.84	3.02
	4th Quintile	2.59	5.09	15.85	54.3	22.18
30	5th Quintile	3.17	2.67	4.29	16.67	73.2
France	`		State i	in 2001		
<u> </u>	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	66.52	22.09	7.91	2.74	0.75
	2nd Quintile	20.07	55.68	20.16	3.74	0.35
	3rd Quintile	2.57	17.98	59.08	19.28	1.09
	4th Quintile	0.67	3.7	14.23	64.29	17.1
	5th Quintile	0.51	0.21	1.8	13	84.47
				in 1995		
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	58.66	28.75	6.7	4.14	1.75
	2nd Quintile	24.05	49.87	19.05	4.93	2.1
	3rd Quintile	4.58	15.68	54.34	22.38	3.01
	4th Quintile	0.13	4.4	19.78	59.68	16.01
<b>.</b>	5th Quintile	0.94	0.74	3.04	13.82	81.46
CK	· · · · · · · · · · · · · · · · · · ·			in 2001		0.1.10
	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	59.09	29.59	7	2.17	2.15
	2nd Quintile	23	46.06	22.44	6.43	2.08
	3rd Quintile	4.37	19.4	53.07	20.07	3.08
	4th Quintile	0.92	3.76	17.91	60.66	16.75
	5th Quintile	0.64	2.08	3.04	15.79	78.44
	200 200000	0.0.		in 1995	10.77	70
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	61.64	23.6	7.93	5.45	1.37
	2nd Quintile	18.52	51.61	20.32	7.21	2.34
	3rd Quintile	2.2	21.77	48.92	26.09	1.01
	4th Quintile	0.89	4.06	24.16	48.96	21.92
pu	5th Quintile	0	0.45	4.75	14.63	80.17
Ireland		ŭ		in 2001		
ī	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	64.62	21.88	9.76	3.73	0
	2nd Quintile	20.41	50.8	18.82	7.71	2.26
	3rd Quintile	4.54	24.16	49.53	17.58	4.19
	4th Quintile	1.27	5.22	20.3	51.82	21.4
	iai Vaiitiit	1.4/	J.44	20.5	21.02	<b>∠</b> 1.⊤
	5th Quintile	0	3.42	3.53	19.1	73.96

Table 8 (Continued)

	State in 1994	1st Quintile	State in 2nd Quintile	n 1995 3rd Quintile	4th Quintile	5th Quintile
					4.24	
	1st Quintile 2nd Quintile	68.84 17.92	18.2 42.29	8.05 26.35	10.29	0.67 3.15
	3rd Quintile	5.66	42.29 17.79	47.58	23.95	5.02
		3.19	8.88		51.05	
>	4th Quintile	1.96	6.66 1.71	15.85 3.2	18.64	21.03 74.49
Italy	5th Quintile	1.90			18.04	/4.49
-	C4-4- :- 2000	1-4 0:41-	State in		44h O:41a	54h O
	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	69.26	18.82	5.83	3.76	2.33
	2nd Quintile	14.83	54.54	24.01	4.8	1.82
	3rd Quintile	2.49	21.25	52.9	19.4	3.96
	4th Quintile	1.31	4.49	20.02	58.22	15.96
	5th Quintile	0.44	2.32	2.39	15.13	79.72
	G:	4 . 6	State in		43.64.39	
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	54.34	27.71	12.62	2.85	2.5
	2nd Quintile	20.63	35.96	32.26	6.08	5.06
	3rd Quintile	5.79	20.71	42.39	23.9	7.21
a)	4th Quintile	3.52	7.7	24.04	43.16	21.59
Sec	5th Quintile	0.81	3.63	8.96	20.96	65.64
Greece			State ii			
_	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	69.46	23.48	5.31	1.3	0.45
	2nd Quintile	11.78	57.39 22.8		7.14	0.89
	3rd Quintile	4.7	15.7	61.55	15.34	2.7
	4th Quintile	0	2.38	19.38	57.24	21
	5th Quintile	0	0.56	2.85	11.94	84.65
			State in	n 1995		
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	54.57	30.02	12.97	2.2	0.25
	2nd Quintile	18.99	42.66	29.77	7.53	1.04
	3rd Quintile	6.21	17.02	44.84	28.03	3.91
	4th Quintile	0.43	3.11	13.34	58.36	24.75
Ę.	5th Quintile	0.47	0.29	1.43	17.12	80.7
Spain			State in	n 2001		
<b>J</b> 1	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	49.63	30.21	11.28	8.39	0.49
	2nd Quintile	25.07	40.72	21.78	12.09	0.33
	3rd Quintile	9.25	20.89	47.33	18.07	4.46
	4th Quintile	4.18	5.96	21.67	48.66	19.53
	5th Quintile	0	1.48	1.28	17.65	79.59
	viii Quiiiviiv		State in		17.00	,,,,,,
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	59.43	27.21	10.27	2.9	0.2
	2nd Quintile	19.05	50.16	25.92	4.88	0.2
	3rd Quintile	6.08	14.46	54.58	22.67	2.22
		2.36	7.44	54.58 15.25	63.39	11.56
gal	4th Quintile 5th Quintile					
Ę.	3th Quintile	0.04	0.25	2.08	10.65	86.98
Portugal	04-4-1-2000	1-4-0-1-49	State in		445 0 1 475	54h O 143
	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	78.36	12.12	4.91	2.64	1.96
	2nd Quintile	15.2	56.42	24.64	3.64	0.11
	3rd Quintile	5.45	11.07	59.26	16.97	7.25
	4th Quintile	0.08	6.86	19.58	65.75	7.73
	5th Quintile	0	0.54	2.73	11.48	85.25

Table 9 (Continued)

-			State ir	ı 1995		_						
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile						
	1st Quintile	59.34	29.58	6.42	2.93	1.73						
	2nd Quintile	22.45	39.77	25.53	9.03	3.21						
	3rd Quintile	12.81	29.32	27.53	24.62	5.72						
_	4th Quintile	4.69	6.97	22.91	41.81	23.62						
tris	5th Quintile	0.78	4.17	3.99	21.47	69.59						
Austria	State in 2001											
4	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile						
	1st Quintile	76.91	14.99	5.19	2.2	0.72						
	2nd Quintile	15.42	58.33	17.17	6.42	2.66						
	3rd Quintile	8.74	18.23	54.11	15.35	3.57						
	4th Quintile	2.48	2.98	12.26	64.18	18.1						
	5th Quintile	0	1.25	1.99	16.55	80.21						
	State in 1997											
	State in 1996	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile						
	1st Quintile	61.68	24.64	7.23	4.79	1.67						
	2nd Quintile	12.84	52.25	25.39	5.87	3.65						
	3rd Quintile	6.06	24.29	43.99	18.55	7.1						
-*	4th Quintile	1.88	6.31	23.27	51.2	17.34						
Finland*	5th Quintile	1.03	2.06	7.08	18.4	71.42						
Ē	State in 2001											
Ξ.	State in 2000	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile						
	1st Quintile	57.17	27.26	11.38	2.4	1.79						
	2nd Quintile	23.31	40.69	25.82	6.31	3.88						
	3rd Quintile	2.56	21.84	47.24	26.16	2.21						
	4th Quintile	3.59	4.35	16.45	54.82	20.8						
	5th Quintile	1.01	1.05	5.45	18.9	73.6						

Table 10. Long-Term	<b>Transition</b>	Rates Among	Income Quintiles

	Tab	le 10. Long-Ter		ites Among Incor	ne Quintiles						
			State i								
_	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile					
Germany	1st Quintile	49.18	26.64	17.65	4.77	1.75					
r.	2nd Quintile	17.11	35.18	21.54	21.24	4.92					
ဗိ	3rd Quintile	10.45	20.09	31.31	30.1	8.06					
	4th Quintile	2.17	9.51	19.12	41.76	27.45					
	5th Quintile	0.89	1.54	4.41	18.09	75.07					
			State i								
<b>~</b>	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile					
Denmark	1st Quintile	34.28	19.16	29.47	11.98	5.11					
<u> </u>	2nd Quintile	37.9	27.27	19.87	3.4	11.56					
De	3rd Quintile	12.53	21.67	35.49	13.91	16.39					
	4th Quintile	5.09	21.54	21.54	29.22	22.6					
	5th Quintile	4.32	4.18	6.77	26.77	57.95					
			State i								
qs	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile					
Netherlands	1st Quintile	38.12	26.95	18.29	13.26	3.39					
her	2nd Quintile	12.11	38.31	30.35	15.8	3.43					
Net]	3rd Quintile	2.14	16.75	35	29.83	16.27					
_	4th Quintile	0.5	5.11	20.57	47.97	25.85					
	5th Quintile	0.57	0.79	4.99	18.01	75.64					
	State in 2001  State in 2001  State in 1004  And Opintile  And Opintile  And Opintile  State in 1004										
_	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile					
Belgium	1st Quintile	35.55	24.66	19.16	13.85	6.79					
elgi	2nd Quintile	27.91	30.03	19.87	14.48	7.71					
Ā	3rd Quintile	12.77	30.39	26.03	21.53	9.27					
	4th Quintile	3.89	5.09	25.16	41.98	23.88					
	5th Quintile	1.41	3.82	3.17	21.92	69.68					
	C4 - 4 - 1 - 1005	1.4.0 1.4%	State i		44.0.1.49.	50.0 1.01.					
Luxembourg*	State in 1995	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile					
noc	1st Quintile	39.78	43.6	12.45	2.23	1.95					
e m	2nd Quintile	9.22	47.23	33.76	9.79	0					
χ'n	3rd Quintile	1.92	7.45	45.24	34.12	11.28					
_	4th Quintile	0 0	1.69 0.47	11.55 2.5	52.6 18.11	34.16 78.92					
	5th Quintile	U	State i		10.11	70.92					
	State in 1004	1st Ovintils			4th Ovintile	5th Ovintile					
	State in 1994	1st Quintile	2nd Quintile 39.8	3rd Quintile	3.44	5th Quintile					
France	1st Quintile	41.02		14.52		1.22					
ra	2nd Quintile	17.76	31.3	35.78	12.34	2.81					
_	3rd Quintile	3.08	12.51	36.12	38.81	9.48					
	4th Quintile	4.49	6.1	14.61	39.2	35.6					
	5th Quintile	1.8	2.38	7.64	18.61	69.57					
	g	1 . 0	State in		44.0 : : :	54.0 :					
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile					
<b>✓</b>	1st Quintile	31.65	29.99	24.19	9.52	4.65					
UK	2nd Quintile	20.84	34.5	23.85	15.73	5.08					
	3rd Quintile	9.87	16.13	35.33	24.23	14.45					
	4th Quintile	3.33	6.72	16.38	41.7	31.87					
	5th Quintile	2.61	0.68	3.44	20.79	72.49					

**Table 10 (Continued)** 

			Table 10 (Con			
	64-4-1-1004	1.40 1.41	State in		44.0 1.41.	541.0 1.411.
_	State in 1994	1st Quintile 23.22	2nd Quintile 25.8	3rd Quintile	4th Quintile 18.45	5th Quintile
Ireland	1st Quintile 2nd Quintile	26.38	23.8 18.19	19.31 29.47	21.17	4.79
re	3rd Quintile	4.58	22.97	31.95	21.17	19.15
_	4th Quintile	1.9	1.9	21.14	29.63	45.44
	5th Quintile	1.66	2.13	3.05	18.02	75.14
	Jui Quintile	1.00		in 2001	16.02	/3.14
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	34.25	32.69	18.18	10.38	4.5
Italy	2nd Quintile	9.86	28.73	33.17	20.98	7.26
=	3rd Quintile	6.14	16.23	33.14	29.08	15.41
	4th Quintile	1.85	9.92	16.51	40.51	31.21
	5th Quintile	0.34	3.64	6.57	18.32	71.12
	2 til Quintile	0.5 1		in 2001	10.32	,1.12
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
ခ	1st Quintile	31.48	27.25	23.5	11.12	6.65
Greece	2nd Quintile	16.57	22.14	33.15	21.74	6.4
<del>ن</del>	3rd Quintile	3.02	10.31	37.28	39.92	9.47
	4th Quintile	6.35	5.85	24.07	38.51	25.23
	5th Quintile	0	5.12	5.7	23.27	65.91
			State i	in 2001		
Spain	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
	1st Quintile	37.71	29.67	19.02	10.89	2.71
	2nd Quintile	13.03	37.04	29.02	15.73	5.17
	3rd Quintile	11.81	12.1	34.08	30.96	11.05
	4th Quintile	2.91	2.69	11.37	44.95	38.08
	5th Quintile	0	2.45	2.53	6.99	88.03
				in 2001		
_	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
gg	1st Quintile	41.37	30.01	14.73	12.8	1.1
Portugal	2nd Quintile	19.74	28.82	32.53	16.56	2.36
ವ	3rd Quintile	10.66	23.19	28.22	27.17	10.77
	4th Quintile	6.52	7.48	16.13 7.46	42.45	27.42
	5th Quintile	0.13	0.13 0.13		13.92	78.35
				in 2001		
	State in 1994	1st Quintile	2nd Quintile	3rd Quintile	4th Quintile	5th Quintile
i.	1st Quintile	44.36	31.77	14.32	5.9	3.66
str				31.05	20.15	4.89
ıust	2nd Quintile	18.58	25.33		20.15	
Aust	3rd Quintile	16.56	24.2	21.41	26.93	10.89
Aust	3rd Quintile 4th Quintile	16.56 1.19	24.2 11.24	21.41 14.32	26.93 47.7	10.89 25.55
Aust	3rd Quintile	16.56	24.2 11.24 6	21.41 14.32 7.32	26.93	10.89
Aust	3rd Quintile 4th Quintile 5th Quintile	16.56 1.19 2.87	24.2 11.24 6 State i	21.41 14.32 7.32 in 2001	26.93 47.7 16.83	10.89 25.55 66.99
	3rd Quintile 4th Quintile 5th Quintile State in 1996	16.56 1.19	24.2 11.24 6 State i 2nd Quintile	21.41 14.32 7.32 in 2001 3rd Quintile	26.93 47.7 16.83 4th Quintile	10.89 25.55 66.99 5th Quintile
	3rd Quintile 4th Quintile 5th Quintile  State in 1996 1st Quintile	16.56 1.19 2.87 <b>1st Quintile</b> 42.09	24.2 11.24 6 State i 2nd Quintile 24.27	21.41 14.32 7.32 in 2001 3rd Quintile 14.33	26.93 47.7 16.83 4th Quintile	10.89 25.55 66.99 <b>5th Quintile</b> 5.49
inland* Austria	3rd Quintile 4th Quintile 5th Quintile  State in 1996 1st Quintile 2nd Quintile	16.56 1.19 2.87 <b>1st Quintile</b> 42.09 12.53	24.2 11.24 6 State i 2nd Quintile 24.27 32.91	21.41 14.32 7.32 in 2001 3rd Quintile 14.33 33.12	26.93 47.7 16.83 4th Quintile 13.82 18.1	10.89 25.55 66.99 <b>5th Quintile</b> 5.49 3.34
Finland* Aust	3rd Quintile 4th Quintile 5th Quintile  State in 1996 1st Quintile	16.56 1.19 2.87 <b>1st Quintile</b> 42.09	24.2 11.24 6 State i 2nd Quintile 24.27	21.41 14.32 7.32 in 2001 3rd Quintile 14.33	26.93 47.7 16.83 4th Quintile	10.89 25.55 66.99 <b>5th Quintile</b> 5.49

Table 11 Immobility Ratio (IR) and Average Jump (AJ) for 1-year and 7-year Transition Rates of Earnings Quintiles (%)

Cermany	Earnings Quintiles (%)											
Cermany	Country		Period	IR		AJ	AJ/ AJ(perfect mobility)					
Page			1994-1995	0.937		0.438						
Netherland   1-year   1994-1905   0.825   1.587   0.747   0.467	Germany	1-year	2000-2001		1.831		0.245					
Denmark	·	8-vear										
Denmark   1-year   2000-2001   0.880   1.693   0.606   0.379												
Netherlands	Denmark	1-year	2000-2001			0.606						
Netherlands         1-year beyon         1994-2001 1993         0.934 1.795         0.412 0.257           Belgium         1-year 1994-2001 1995         0.880 1.692 10.629 10.393           Belgium         1-year 2000-2001 0.924 1.777 19.403 10.252           8-year 1994-2001 0.797 1.533 0.888 0.555           Luxembourg*         1-year 2000-2001 0.979 1.882 0.298 0.186           8-year 1995-2001 0.911 1.753 0.574 0.359           France 2000-2001 0.991 1.771 0.511 0.319           8-year 1994-1995 0.921 1.771 0.511 0.319           8-year 1994-2001 0.861 1.657 0.742 0.464           8-year 1994-1995 0.927 1.783 0.405 0.253           8-year 1994-1995 0.927 1.783 0.490 0.306           8-year 1994-2001 0.800 1.538 0.836 0.522           8-year 1994-2001 0.909 1.748 0.506 0.317           8-year 1994-2001 0.909 1.748 0.531 0.332           Italy         1-year 2000-2001 0.999 1.748 0.531 0.332           1-year 1994-1995 0.925 1.778 0.506 0.516 0.323           1-year 1994-2001 0.790 1.519 0.806 0.538           1-year 1994-2001 0.909 1.748 0.531 0.332           1-year 1994-2001 0.909 0.777 0.528 0.900 0.613           8-year 1994-2001 0.909 0.777 0.528 0.900 0.613           8-year 1994-2001 0.790 0.528 0.790 0.790 0.528           8-year 1994-2001 0.790 0.529 0.904 0.665           8-year 1994-2001 0.790 0.520 0.904 0.555           8-year 1		8-year	1994-2001	0.735	1.414	1.000	0.625					
Netherlands		1	1994-1995	0.938	1.803	0.465	0.291					
Belgium         1-year         1994-1995         0.880         1.692         0.629         0.393           Belgium         1-year         2000-2001         0.924         1.777         0.403         0.252           Luxembourg*         1-year         1995-1996         0.968         1.861         0.332         0.207           Luxembourg*         1-year         1995-1996         0.968         1.861         0.332         0.207           France         1-year         1995-2001         0.911         1.753         0.574         0.359           France         1-year         1994-1995         0.921         1.771         0.511         0.319           Lyear         1994-1995         0.921         1.771         0.511         0.319           Lyear         1994-1995         0.927         1.783         0.490         0.306           UK         1-year         1994-2001         0.800         1.538         0.836         0.522           Ireland         1-year         1994-2001         0.800         1.538         0.836         0.522           Ireland         1-year         1994-2001         0.777         1.495         0.980         0.613           1-year	Netherlands	1-year	2000-2001	0.934	1.795	0.412	0.257					
Post		8-year	1994-2001	0.831	1.598	0.751	0.469					
Beignam   2000-2001   0.924   1.777   0.403   0.252		1	1994-1995	0.880	1.692	0.629	0.393					
Luxembourg*         8-year         1994-2001         0.797         1.533         0.888         0.555           Luxembourg*         1-year         1995-1996         0.968         1.861         0.332         0.207           8-year         1995-2001         0.979         1.882         0.298         0.186           France         8-year         1995-2001         0.991         1.773         0.574         0.359           France         1-year         1994-1995         0.921         1.771         0.511         0.319           Byear         1994-2001         0.861         1.657         0.742         0.464           UK         1-year         1994-1995         0.927         1.783         0.490         0.306           Byear         1994-2001         0.800         1.538         0.836         0.522           Byear         1994-2001         0.800         1.538         0.836         0.522           Italy         1-year         1994-1995         0.925         1.778         0.516         0.323           Italy         1-year         1994-2001         0.777         1.495         0.980         0.613           Byear         1994-2001         0.790 <t< td=""><td>Belgium</td><td>1-year</td><td>2000-2001</td><td>0.924</td><td>1.777</td><td>0.403</td><td>0.252</td></t<>	Belgium	1-year	2000-2001	0.924	1.777	0.403	0.252					
Luxembourg*	G	8-year	1994-2001	0.797	1.533	0.888	0.555					
Luxembourg*         1-year         2000-2001         0.979         1.882         0.298         0.186           8-year         1995-2001         0.911         1.753         0.574         0.359           France         1-year         1994-1995         0.921         1.771         0.511         0.319           8-year         1994-2001         0.861         1.657         0.742         0.464           1-year         1994-1995         0.927         1.783         0.490         0.306           0.00         1.year         1994-1995         0.925         1.778         0.506         0.317           8-year         1994-1995         0.925         1.778         0.506         0.317           8-year         1994-1995         0.925         1.778         0.516         0.323           1reland         1-year         2000-2001         0.909         1.748         0.516         0.323           1reland         1-year         1994-2001         0.777         1.495         0.980         0.613           1taly         1-year         1994-1995         0.888         1.708         0.579         0.362           1taly         1-year         1994-1995         0.867<				0.968								
France         8-year         1995-2001         0.911         1.753         0.574         0.359           France         1-year         1994-1995         0.921         1.771         0.511         0.319           Beyear         1994-1995         0.921         1.771         0.511         0.319           Beyear         1994-2001         0.948         1.823         0.405         0.253           UK         1-year         1994-2001         0.861         1.657         0.742         0.464           UK         1-year         1994-1995         0.927         1.783         0.490         0.306           8-year         1994-2001         0.800         1.538         0.836         0.522           1-year         1994-1995         0.925         1.778         0.516         0.323           8-year         1994-2001         0.777         1.495         0.980         0.613           1-year         1994-1995         0.888         1.708         0.579         0.362           1-year         1994-2001         0.790         1.519         0.860         0.538           6-year         1994-2001         0.790         1.519         0.860         0.538	Luxembourg*	1-year										
France         1-year         1994-1995         0.921         1.771         0.511         0.319           Brance         1-year         2000-2001         0.948         1.823         0.405         0.253           8-year         1994-2001         0.861         1.657         0.742         0.464           UK         1-year         1994-1995         0.927         1.783         0.490         0.306           8-year         1994-2001         0.900         1.538         0.836         0.522           Ireland         1-year         1994-1995         0.925         1.778         0.516         0.323           8-year         1994-1995         0.925         1.778         0.516         0.323           1-year         2000-2001         0.909         1.748         0.531         0.332           8-year         1994-1995         0.888         1.708         0.579         0.362           Italy         1-year         1994-1995         0.888         1.708         0.579         0.362           8-year         1994-2001         0.790         1.519         0.860         0.538           Beyear         1994-1995         0.867         1.667         0.694         0.43	3	8-year										
France         1-year         2000-2001         0.948         1.823         0.405         0.253           8-year         1994-2001         0.861         1.657         0.742         0.464           UK         1-year         1994-1995         0.927         1.783         0.490         0.306           B-year         1994-1995         0.925         1.778         0.506         0.317           8-year         1994-2001         0.800         1.538         0.836         0.522           1-year         2000-2001         0.905         1.778         0.516         0.323           8-year         1994-1995         0.990         1.748         0.531         0.332           8-year         1994-2001         0.777         1.495         0.980         0.613           1-year         1994-1995         0.888         1.708         0.579         0.362           1-year         1994-1995         0.888         1.708         0.579         0.362           1-year         1994-2001         0.790         1.519         0.860         0.538           Greece         1-year         1994-1995         0.867         1.667         0.694         0.434           8-year <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>												
UK         1-year         1994-2001         0.861         1.657         0.742         0.464           UK         1-year         1994-1995         0.927         1.783         0.490         0.306           8-year         1994-1995         0.925         1.778         0.506         0.317           8-year         1994-2001         0.800         1.538         0.836         0.522           Ireland         1-year         1994-1995         0.925         1.778         0.516         0.323           8-year         1994-2001         0.909         1.748         0.531         0.332           8-year         1994-2001         0.777         1.495         0.980         0.613           1-year         1994-1995         0.888         1.708         0.579         0.362           Italy         1-year         1994-1995         0.888         1.708         0.579         0.362           8-year         1994-1995         0.888         1.708         0.579         0.362           Italy         1-year         1994-1995         0.867         1.667         0.694         0.434           Greece         1-year         1994-1995         0.920         1.770         <	France	1-year										
UK         1-year         1994-1995         0.927         1.783         0.490         0.306           8-year         1994-2001         0.925         1.778         0.506         0.317           8-year         1994-2001         0.800         1.538         0.836         0.522           Ireland         1-year         1994-1995         0.925         1.778         0.516         0.323           8-year         1994-1995         0.925         1.778         0.516         0.323           8-year         1994-2001         0.777         1.495         0.980         0.613           1-year         1994-1995         0.888         1.708         0.579         0.362           1-year         1994-2001         0.790         1.519         0.860         0.538           8-year         1994-2001         0.790         1.519         0.860         0.538           Greece         1-year         1994-1995         0.867         1.667         0.694         0.434           Greece         1-year         1994-2001         0.790         1.520         0.904         0.565           8-year         1994-2001         0.790         1.520         0.904         0.565     <		8-vear	1994-2001									
UK         1-year 8-year         2000-2001 1994-2001         0.925 0.800         1.778 1.538         0.506 0.836         0.317 0.522           Ireland         1-year 8-year         1994-1995 1994-2001         0.925 0.925         1.778 1.778         0.516 0.516         0.323 0.332           8-year         1994-1995 1994-2001         0.909 0.777         1.495 1.495         0.980 0.613         0.613           1-year         1994-1995 2000-2001         0.928 0.888         1.708 1.708         0.579 0.860         0.362 0.295           8-year         1994-2001         0.790 0.790         1.519 0.860         0.538 0.694 0.434         0.434 0.403 0.252           8-year         1994-2001 0.943         1.814 0.403 0.252         0.904 0.565         0.565 0.617 0.528 0.330           8-year         1994-2001 0.942         0.790 0.882 0.920         1.770 0.528 0.617 0.386 0.617 0.386 0.617 0.386 0.617 0.386 0.617 0.386 0.617 0.386 0.617 0.386 0.629 0.744 0.465 0.288 0.744 0.465 0.288 0.744 0.465 0.288 0.744 0.465 0.288 0.744 0.792 0.495           Austria         1-year 1995-1996 0.875 0.924 0.875 0.891												
R-year   1994-2001   0.800   1.538   0.836   0.522	UK	1-year										
Ireland   1-year   1994-1995   0.925   1.778   0.516   0.323     8-year   1994-2001   0.909   1.748   0.531   0.332     8-year   1994-2001   0.777   1.495   0.980   0.613     1-year   1994-1995   0.888   1.708   0.579   0.362     2000-2001   0.928   1.785   0.472   0.295     8-year   1994-2001   0.790   1.519   0.860   0.538     Greece   1-year   1994-1995   0.867   1.667   0.694   0.434     Greece   1-year   1994-2001   0.790   1.520   0.904   0.565     8-year   1994-2001   0.790   1.520   0.904   0.565     Spain   1-year   1994-1995   0.920   1.770   0.528   0.330     Spain   1-year   1994-2001   0.882   1.695   0.617   0.386     8-year   1994-2001   0.826   1.589   0.744   0.465     Portugal   1-year   1994-1995   0.923   1.774   0.460   0.288     R-year   1994-2001   0.819   1.574   0.792   0.495     Austria   1-year   1995-2001   0.924   1.776   0.429   0.268     7-year   1995-2001   0.924   1.776   0.429   0.268     7-year   1995-2001   0.790   1.519   0.861   0.538     L-year   1996-1997   0.891   1.713   0.584   0.365     L-year   1996-1997   0.891   1.713   0.584   0.365     1-year   1-year   1-year   1-year   1-year   1-year   1-year		8-year										
Treland   1-year   2000-2001   0.909   1.748   0.531   0.332     8-year   1994-2001   0.777   1.495   0.980   0.613     1-year   1994-1995   0.888   1.708   0.579   0.362     2000-2001   0.928   1.785   0.472   0.295     8-year   1994-2001   0.790   1.519   0.860   0.538     1-year   1994-1995   0.867   1.667   0.694   0.434     2000-2001   0.943   1.814   0.403   0.252     8-year   1994-2001   0.790   1.520   0.904   0.565     Spain   1-year   1994-1995   0.920   1.770   0.528   0.330     Spain   1-year   1994-2001   0.882   1.695   0.617   0.386     8-year   1994-2001   0.826   1.589   0.744   0.465     Portugal   1-year   1994-1995   0.923   1.774   0.460   0.288     Portugal   1-year   1994-2001   0.819   1.574   0.792   0.495     Austria   1-year   1995-1996   0.875   1.683   0.689   0.431     1-year   1995-2001   0.924   1.776   0.429   0.268     7-year   1995-2001   0.790   1.519   0.861   0.538     1-year   1-year   1995-2001   0.790   1.519   0.861   0.538     1-year   1-year			1994-1995	0.925	1.778	0.516	0.323					
R-year   1994-2001   0.777   1.495   0.980   0.613     Reference   1-year   1994-1995   0.888   1.785   0.472   0.295     Reference   1-year   1994-2001   0.790   1.519   0.860   0.538     Reference   1-year   1994-2001   0.943   1.814   0.403   0.252     Reference   1-year   1994-2001   0.790   1.520   0.904   0.565     Reference   1-year   1994-1995   0.920   1.770   0.528   0.330     Reference   1-year   1994-1995   0.920   1.770   0.528   0.330     Reference   1-year   1994-2001   0.882   1.695   0.617   0.386     Reference   1-year   1994-2001   0.826   1.589   0.744   0.465     Reference   1-year   1994-1995   0.923   1.774   0.460   0.288     Reference   1-year   1994-2001   0.819   1.574   0.792   0.495     Reference   1-year   1995-1996   0.875   1.683   0.689   0.431     Reference   1-year   1995-2001   0.924   1.776   0.429   0.268     Reference   1-year   1995-2001   0.924   1.776   0.429   0.268     Reference   1-year   1995-2001   0.790   1.519   0.861   0.538     Reference   1-year   1996-1997   0.891   1.713   0.584   0.365     Reference   1-year   1-year	Ireland	1-year	2000-2001	0.909	1.748	0.531	0.332					
Taly		8-year	1994-2001	0.777	1.495	0.980	0.613					
Telly			1994-1995	0.888	1.708	0.579	0.362					
8-year         1994-2001         0.790         1.519         0.860         0.538           Greece         1-year         1994-1995         0.867         1.667         0.694         0.434           8-year         1994-1995         0.943         1.814         0.403         0.252           8-year         1994-2001         0.790         1.520         0.904         0.565           Spain         1-year         1994-1995         0.920         1.770         0.528         0.330           8-year         1994-2001         0.882         1.695         0.617         0.386           8-year         1994-2001         0.826         1.589         0.744         0.465           Portugal         1-year         1994-1995         0.923         1.774         0.460         0.288           Portugal         1-year         1994-2001         0.928         1.784         0.397         0.248           Austria         1-year         1995-1996         0.875         1.683         0.689         0.431           Austria         1-year         1995-1996         0.875         1.683         0.689         0.431	Italy	1-year	2000-2001			0.472						
Greece         1-year 8-year         2000-2001 0.943         1.814 0.403 0.252           8-year         1994-2001 0.790 1.520 0.904 0.565           Spain         1-year 2000-2001 0.920 0.920 1.770 0.528 0.330 0.330 0.0617 0.386 0.0617 0.386 0.0617 0.386 0.0617 0.386 0.0617 0.386 0.0617 0.386 0.065 0.0617 0.386 0.065 0.0617 0.066 0.065 0.0617 0.066 0.065 0.065 0.0617 0.066 0.065 0.0	·	8-year	1994-2001	0.790	1.519	0.860	0.538					
Greece         1         2000-2001         0.943         1.814         0.403         0.252           8-year         1994-2001         0.790         1.520         0.904         0.565           Spain         1-year         1994-1995         0.920         1.770         0.528         0.330           8-year         1994-2001         0.882         1.695         0.617         0.386           8-year         1994-2001         0.826         1.589         0.744         0.465           Portugal         1-year         1994-1995         0.923         1.774         0.460         0.288           8-year         1994-2001         0.928         1.784         0.397         0.248           8-year         1994-2001         0.819         1.574         0.792         0.495           Austria         1-year         1995-1996         0.875         1.683         0.689         0.431           1-year         1995-2001         0.790         1.519         0.861         0.538           1-year         1996-1997         0.891         1.713         0.584         0.365			1994-1995	0.867	1.667	0.694	0.434					
Spain         1-year         1994-1995 2000-2001         0.920 0.920         1.770 0.528 0.330           8-year         1994-2001 0.882 1.695 0.617 0.386           8-year         1994-2001 0.826 1.589 0.744 0.465           Portugal         1-year 2000-2001 0.923 1.774 0.460 0.288 0.288 0.397 0.248 0.248 0.397 0.248	Greece	1-year	2000-2001	0.943	1.814	0.403	0.252					
Spain         1-year 8-year         2000-2001 1994-2001         0.882 0.826         1.695 1.589         0.617 0.744         0.386 0.465           Portugal         1-year 2000-2001         0.923 0.928         1.774 1.784         0.460 0.397         0.248 0.397           8-year         1994-2001         0.819 0.819         1.574 1.574         0.792 0.495         0.495 0.495           Austria         1-year 7-year         1995-1996 1995-2001         0.875 0.924         1.683 1.776 1.519         0.861 0.538         0.538 0.538           1-year 1-year         1996-1997 0.891         0.891 1.713         1.713 0.584         0.365		8-year	1994-2001	0.790	1.520	0.904	0.565					
Spain         2000-2001         0.882         1.695         0.617         0.386           8-year         1994-2001         0.826         1.589         0.744         0.465           Portugal         1-year         1994-1995         0.923         1.774         0.460         0.288           8-year         2000-2001         0.928         1.784         0.397         0.248           8-year         1994-2001         0.819         1.574         0.792         0.495           Austria         1-year         1995-1996         0.875         1.683         0.689         0.431           7-year         1995-2001         0.924         1.776         0.429         0.268           7-year         1995-2001         0.790         1.519         0.861         0.538           1-year         1996-1997         0.891         1.713         0.584         0.365		1	1994-1995	0.920	1.770	0.528	0.330					
Portugal         1-year 2000-2001         0.923 0.923 0.928 0.928 0.397 0.248           8-year         1994-2001 0.819 0.819 0.875 0.495           Austria         1-year 1995-1996 0.875 0.924 0.429 0.268 0.431 0.924 0.924 0.429 0.268 0.431 0.924 0.924 0.431 0.429 0.268 0.431 0.429 0.268 0.431 0.4	Spain	1-year	2000-2001	0.882	1.695	0.617	0.386					
Portugal         1-year 8-year         2000-2001 1994-2001         0.928 0.819         1.784 1.574         0.397 0.792         0.248 0.495           Austria         1-year 7-year         1995-1996 1995-2001         0.875 0.924         1.683 1.776         0.689 0.429         0.431 0.268 0.538           1-year         1995-2001 1996-1997         0.790 0.891         1.519 1.713         0.861 0.584         0.365 0.365		8-year	1994-2001	0.826	1.589	0.744	0.465					
Austria 1-year 1995-1996 0.875 1.683 0.689 0.431 2000-2001 0.924 1.776 0.429 0.268 7-year 1995-2001 0.790 1.519 0.861 0.538		1 2000	1994-1995	0.923	1.774	0.460	0.288					
Austria     1-year     1995-1996 2000-2001 2000-2001 2000-2001 2000-2001 2000-2001 2000-2001 2000-2001 2000-2001 2000-2000-2000-200	Portugal	1-year	2000-2001	0.928	1.784	0.397	0.248					
Austria     1-year     2000-2001     0.924     1.776     0.429     0.268       7-year     1995-2001     0.790     1.519     0.861     0.538       1-year     1996-1997     0.891     1.713     0.584     0.365		8-year	1994-2001	0.819	1.574	0.792	0.495					
Austria 2000-2001 0.924 1.776 0.429 0.268  7-year 1995-2001 0.790 1.519 0.861 0.538  1-year 1996-1997 0.891 1.713 0.584 0.365		1 1/000	1995-1996	0.875	1.683	0.689	0.431					
1996-1997 0.891 1.713 0.584 0.365	Austria	1-year	2000-2001		1.776	0.429	0.268					
I-vear		7-year	1995-2001	0.790	1.519	0.861	0.538					
1-1041		1_vear			1.713	0.584	0.365					
Finland 2000-2001 0.908 1.746 0.578 0.361	Finland	1-year	2000-2001	0.908	1.746	0.578	0.361					
6-year 1996-2001 0.803 1.544 0.840 0.525		6-year	1996-2001	0.803	1.544	0.840	0.525					

Table 12. Mobility Index for different time horizons over time: Year 1994-2001 (Index\*100)

Time Herizen	Mobility Index for different time norizons over time: Year 1994-2001 (Index 100)													
Time Horizon -	G	Dk	NI	Be	Lu	Fr	UK	Ir	It	Gr	Sp	Pt	Au	Fi
1994-1995	18.85	26.65	19.33	27.01		22.50	21.12	21.43	25.52	29.52	21.51	20.64		
1994-1996	22.25	31.44	20.16	28.22		24.34	23.87	27.59	27.92	30.24	24.89	25.57		
1994-1997	24.19	35.45	22.64	31.08		25.88	26.04	29.88	30.40	31.51	24.96	27.28		
1994-1998	25.12	38.86	25.88	29.97		25.09	29.19	33.11	32.91	33.18	25.67	28.32		
1994-1999	26.48	38.50	27.55	33.30		27.92	30.48	33.46	33.26	32.39	27.45	30.32		
1994-2000	28.11	40.51	30.47	35.07		29.12	33.83	35.55	34.27	35.86	30.33	32.26		
1994-2001	30.54	42.69	31.77	37.20		29.95	35.10	38.36	35.39	37.81	29.60	31.97		
1995-1996	20.15	26.72	17.54	22.53	14.39	18.51	20.35	21.99	23.42	22.52	22.16	17.96	28.61	
1995-1997	22.82	30.28	21.48	26.17	17.04	20.60	23.30	25.11	27.30	28.16	22.67	21.68	31.17	
1995-1998	24.30	33.18	25.34	25.56	17.20	19.66	26.74	27.43	30.02	31.79	24.31	23.82	32.13	
1995-1999	25.55	34.69	27.30	28.53	18.82	22.30	29.23	30.06	30.57	32.90	25.28	27.10	34.68	
1995-2000	27.80	37.04	31.45	31.41	20.46	24.55	31.26	33.41	32.20	32.37	27.17	29.30	36.01	
1995-2001	28.69	39.72	31.92	33.20	22.42	25.00	31.79	36.47	33.69	33.12	27.23	30.44	35.65	
1996-1997	19.67	26.43	18.43	23.82	14.65	18.06	20.65	20.25	24.31	23.81	21.54	18.09	21.80	26.39
1996-1998	21.50	33.17	22.37	24.26	15.75	18.38	24.74	24.19	27.80	30.97	24.21	21.96	24.91	30.39
1996-1999	23.77	36.41	26.33	26.93	17.43	20.73	27.68	27.18	29.81	30.26	25.46	25.43	28.53	34.59
1996-2000	27.08	40.07	29.61	29.79	18.91	22.76	30.25	32.42	30.21	31.27	28.58	27.05	30.03	35.78
1996-2001	28.30	39.86	31.16	30.68	20.11	22.83	32.29	32.22	32.63	30.93	28.57	30.13	32.77	36.54
1997-1998	18.76	29.22	20.50	22.13	13.70	15.70	20.63	22.10	23.38	24.15	21.23	16.47	20.97	25.79
1997-1999	21.45	29.81	24.22	26.07	16.46	18.82	24.50	25.83	26.17	25.85	23.94	22.26	25.19	29.70
1997-2000	23.56	32.87	27.86	26.64	18.47	21.48	26.84	29.89	27.90	26.66	27.15	25.47	28.20	32.23
1997-2001	26.36	35.09	30.39	29.98	20.17	22.30	28.88	30.98	30.85	27.87	28.60	28.62	29.74	34.53
1998-1999	16.91	25.97	19.75	23.88	11.30	16.16	21.73	22.33	21.82	20.49	21.91	15.35	19.56	26.02
1998-2000	20.72	32.51	24.17	25.45	13.75	19.82	24.97	27.86	24.49	23.98	23.38	24.12	24.56	31.11
1998-2001	22.86	33.33	25.81	27.63	16.04	20.05	27.85	28.90	27.39	25.34	26.40	26.77	26.33	32.48
1999-2000	17.82	28.55	21.46	23.17	13.38	17.26	21.51	24.99	21.25	16.56	23.69	18.26	20.54	25.89
1999-2001	20.69	28.77	24.38	25.62	14.51	18.36	25.07	29.14	24.71	21.11	26.45	22.27	23.99	28.21
2000-2001	17.44	27.08	19.00	20.71	13.07	17.28	21.67	23.37	20.53	18.68	26.08	17.17	19.16	25.27

- Aaberge, Rolf, Bjorklund, Anders, Jantti, Markus, Palme, Marten, Pedersen, Peder J., Smith, Nina, and Wannemo, Tom. 2002. Income inequlaity and income mobility in the Scandinavian countries compared to the United States. *Review of Income and Wealth*, 48(4).
- Atkinson, Anthony, B., Bourguignon, Francois, and Morrisson, C. (Eds.). (1992). *Empirical studies of earnings mobility*: Suisse: Harwood Academic Publishers.
- Brukhauser, Richard V., Holtz-Eakin, Douglas, and Rhody, Stephen E. 1998. Mobility and inequality in the 1980s: a cross-national comparison of the Unite States and Germany. In Jenkins, Kapteyn and Van Praag (Eds.), *The distribution of welfare and household production* (pp. 111-175). Cambridge: Cambridge University Press.
- Brukhauser, Richard V., and Poupore, John G. 1997. A cross-national comparison of permanent inequality in the United States and Germany. *Review of Economics and Statistics*, 79, 10-17.
- Creedy, J., and Wilhelm, M. 2002. Income Mobility, Inequality and Social Welfare. *Australian Economic Papers*, 41(2), 140-150.
- Dickens, Richard. 1999. Caught in a trap? Wage mobility in Great Britain: 1975-1994. *Economica*(67), 477-497.
- Duncan, Greg J., and Morgan, James N. 1981. Persistence an change in economic status and the role of changing family composition. In Hill, Hill andMorgan (Eds.), *Five thousand American families: patterns of economic progress* (Vol. 9, pp. 1-44). Ann Arbor: Institute for Social Resarch, University of Michigan.
- Fields, Gary S., Leary, Jesse, and Ok, Efe. 2003. Stochastic dominance in mobility analysis. *Economic Letters*, 75(3), 333-339.
- Fields, Gary S., and Ok, Efe. 1999. The measurement of income mobility: an introduction to the literature. In Silber (Ed.), *Handbook of Income Inequality Measurement*. Boston: Kluwer Academic Publishing.
- Friedman, M. 1962. Capitalism and Freedom. Chicago: University of Chicago Press.
- Fritzell, Johan. 1990. The dynamics of income distributions: economic mobility in Sweden in comparizon with the United States. *Social Science Research*, 17-46.
- Gottschalk, Peter, and Spolaore, Enrico. 2002. On the evaluation of economic mobility. *Review of Economic Studies*, *68*, 191-208.
- OECD. 1996. Earnings inequality, low paid employment and earnings mobility. In *Employment Outlook* (pp. 59-99). Paris: OECD.
- OECD. 1997. Earnings mobility: taking a longer view. In *Employment Outlook*. Paris: OECD
- OECD. 2004. Employment Outlook. Paris: OECD.
- OECD. 2006. Labour Market Performance since 1994 and Future Challenges. In *Employment Outlook*.