

A Service of

ZBW

Leibniz-Informationszentrum Wirtschaft Leibniz Information Centre for Economics

Moller, Stephanie; Misra, Joya; Wemlinger, Elizabeth; Strader, Eiko

#### **Working Paper**

## The implications of cross-national policies for the relative incomes of families with children by family structure and parental education

LIS Working Paper Series, No. 588

**Provided in Cooperation with:** Luxembourg Income Study (LIS)

*Suggested Citation:* Moller, Stephanie; Misra, Joya; Wemlinger, Elizabeth; Strader, Eiko (2013) : The implications of cross-national policies for the relative incomes of families with children by family structure and parental education, LIS Working Paper Series, No. 588, Luxembourg Income Study (LIS), Luxembourg

This Version is available at: https://hdl.handle.net/10419/95423

#### 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.ECONSTOR.EU

## LIS Working Paper Series

No. 588

## The Implications of Cross-National Policies for the Relative Incomes of Families with Children by Family Structure and Parental Education

Stephanie Moller, Joya Misra, Elizabeth Wemlinger and Eiko Strader

April 2013



CROSS-NATIONAL DATA CENTER in Luxembourg

Luxembourg Income Study (LIS), asbl

### The Implications of Cross-National Policies for the Relative Incomes of Families with Children by Family Structure and Parental Education<sup>1</sup>

Stephanie Moller, UNC Charlotte Joya Misra, University of Massachusetts Elizabeth Wemlinger, UNC Charlotte Eiko Strader, University of Massachusetts

#### Abstract

Focusing on an array of European and North American welfare states between 1985 and 2005, we consider how welfare state policies are related to households' relative incomes, taking into account cross-national and temporal differences in income distributions. At the same time, we consider how two of the central factors that may be driving income inequality at the individual or household level – parental educational level and family structure – may be related to a household's relative income. This research fills a gap in the literature because there are surprisingly few studies that examine inequality by both family structure and education, and even fewer that examine relative income cross-nationally and longitudinally. Theoretically, our contributions are to structural vulnerability theory. Structural vulnerability theory aims to consider how the individual, or the household, is structurally located within a context. Our analysis provides a better test of structural vulnerability theory than previous studies because structural vulnerability is operationalized in both the independent (through cross-level interactions) and dependent variables. By creating a dependent variable that standardizes household income relative to both median income and societal-level income inequality, we are able to get at the very center of structural vulnerability.

<sup>&</sup>lt;sup>1</sup> Address correspondence to the first author at Stephanie.Moller@uncc.edu.

### The Implications of Cross-National Policies for the Relative Income of Families with Children by Family Structure and Parental Education

Welfare states are meant to provide a social safety net for their citizens. While many may debate whether welfare state policies encourage "dependence" (Murray 1994) or help create the conditions necessary for economic growth (Garfinkel, Rainwater, and Smeeding 2010; Kenworthy 2004), one goal of welfare state policies has been to limit inequality by redistributing income across households, to ensure that all households have economic opportunities. How successful are welfare states at addressing this goal among families with children? Focusing on an array of European and North American welfare states between 1985 and 2005, we consider how welfare state policies are related to households' relative incomes, taking into account cross-national and temporal differences in income distributions.

We consider how two of the central factors that may be driving income inequality – parental educational level and family structure – may be related to a household's relative income, as well as how education and family structure may be interlinked. Education affects relative income in intuitive ways: higher levels of education usually translate into higher relative income. The effect of family structure varies by country, but families headed by two parents generally have higher relative incomes than those headed by single parents, particularly single mothers. Historically, scholars have examined these sources of stratification independently, though researchers increasingly examine family and education jointly, finding that motherhood differentially affects income and income inequality across countries, and the degree of this difference varies by mothers' education (McLanahan and Percheski 2008; Sigle-Rushton and Waldfogel 2007; Western, Bloome, and Percheski 2008).

Taking a cross-national approach, we unpack household income inequality within categories of family and education between 1985 and 2005 to tell a more complex and comprehensive story of income inequality. Our research is innovative because it examines family structure and education interactively, as opposed to discretely. We also take a novel methodological approach. Our unique measure of relative income, which we refer to as the Gini adjusted relative income, considers household incomes in light of country- and periodspecific income distributions. We argue that this is a more theoretically relevant measure of inequality that integrates the macro and micro by incorporating into the dependent variable household income (i.e., the micro) relative to the overall income distribution (i.e., the macro). Our research is one of the first large cross-national studies of income to consider households nested within countries across multiple time periods, another methodological advance. Most prior cross-national, longitudinal studies have been conducted at the aggregate level and most cross-national, multi-level studies of micro-data have been cross-sectional. We combine these approaches by nesting households within countries longitudinally. We focus on household income because individuals pool resources within households and this pooling of resources reflects individuals' true access to income (DiPrete 2002; Western et al. 2008). We combine four waves of the Luxembourg Income Study (LIS) microdata across 17 countries with countrylevel data from the newly created Work-Family Policy Indicators Database, which provides historical measures of work-family policy, to consider the role that policies play in shaping inequality by education and household type. We emphasize the role of wage coordination, family allowances, parental leave and public child care, as these policies are widely recognized

to alter inequality and household income (Brady 2003a; Calderón and Chong 2009; Van der Lippe et al. 2011; Wang and Caminada 2011).

#### Structural Vulnerability and Intersections of Inequality

Theoretically, we take a structural vulnerability perspective, arguing that households' locations within income distributions are predicted by individual and household characteristics interacting with structural features of society (Author 2008, 2012). Scholars who study inequality outcomes must consider individual or household-level factors that may shape inequality, such as educational level or household type. Within a comparative framework, however, we know that inequality is not simply explained by individual or household-level factors, but may reflect structural features within society, such as, for example, more or less generous welfare state provisioning to single parent families. Our structural vulnerability perspective is meant to consider how contexts interact with individual-level factors, to either heighten or lessen the structural vulnerability that groups face. Broadly, we expect that either families with lower educational attainment or families headed by single mothers will be more vulnerable in particular settings; yet we are also interested in how the two intersect – whether families headed by highly educated single mothers, for example, are more or less vulnerable in particular settings. Our aim is to identify which contexts – and specifically which policies – help create better outcomes for vulnerable groups.

We conceptualize structural vulnerability in terms of how household resources compare to the overall distribution of resources in a society. This intersection between household and context has not been adequately investigated by cross-national welfare state and stratification scholars despite the fact that the essence of structural vulnerability theorizing is found in the intersection of the micro and macro. Prior scholarship has captured this intersection by predicting a micro-level outcome, such as risk of poverty, through interactions between macro and micro level variables (Author 2007, 2008, 2012; Brady et al. 2009). While this approach generates important insights into welfare states and inequality, it does not thoroughly capture structural vulnerability. We follow this approach by including interactions between macro and micro variables in our analyses, but we also go further by incorporating structural vulnerability in the dependent variable.

We operationalize structural vulnerability in a dependent variable that measures the intersection of household income with the overall structure of the income distribution. This intersection is important because relative income predicts happiness, well-being, delinquency behavior, and even health (Bernburg, Thorlindsson, and Sigfusdottir 2009; Dittmann and Goebel 2010; Kondo et al. 2008). Furthermore, researchers have found that when given a choice between a higher income that is lower than peers or a lower income that is higher than peers, approximately half would prefer to have relatively higher income even if it is absolutely lower (Solnick and Hemenway 1998). Thus, not only is relative income theoretically relevant as it more directly operationalizes structural vulnerability, it is practically relevant as it reflects many individuals' preferences.

All households with children are affected by structural conditions (for example, the availability of childcare), but some households are more vulnerable than others; single parenthood and low education are sources of tremendous vulnerability. The source of vulnerability for single mothers is found in the absence of a second adult's income, along with

women's (and mothers') lower average wages (Aisenbrey and Brückner 2008; Budig and England 2001), and mothers' challenges balancing employment and care for children. Women, and mothers in particular, face more obstacles to sustained labor force participation because they have more extensive care-work responsibilities, relative to men (Folbre 2001). This is particularly salient for single mothers. Indeed, some scholars have argued that the ability of mothers to attain sufficient income to sustain households autonomously is an indicator of gender equality (Orloff 1993). Research suggests that family changes, such as separation and divorce, greatly disadvantage women's income, though they have little effect on men's income and living standards (DiPrete and McManus 2000). Inequality may be greater where single mothers are more prevalent (Iceland 2003; McLanahan and Percheski 2008)

Education is a source of vulnerability because it is the primary predictor of workers' market power followed by age (Western et al. 2008). Higher levels of educational attainment lead to higher wages and upward mobility, while lower levels may lead to a higher risk of poverty. Research focused on the United States has shown that there has been a sizable polarization in educational attainment (Autor, Katz, and Kearney 2006; Rodríguez-Pose and Tselios 2009), while labor markets have offered an expanding wage premium for education (Western et al. 2008). As a result, educational inequality has generated income inequality (Rodríguez-Pose and Tselios 2009), and even households headed by two parents with low education are vulnerable, while those with higher educations have seen their incomes expand. Scholars have argued that increasing education can help enhance the incomes of lower wage-earners (Estevez-Abe, Iversen, and Soskice 2001; Huber et al. 2009; Lichter and Crowley 2004).

Yet, increasing education may not enhance household income if mothers, particularly single mothers, face further challenges balancing work and family.

We examine inequality by examining relative income for households by family structure and education. In so doing, we unpack their interactive effects. Aisenbrey (2009) similarly considers this interaction in a study of low income in Germany. By taking a cross-national and historical approach, we are able to examine other sources of inequality. States can minimize household vulnerability by creating and expanding policies to support households and their breadwinners (Bardasi and Gornick 2008; Brady and Denniston 2006; Casper, McLanahan, and Garfinkel 1994; Christopher 2002; Christopher et al. 2002; Esping-Andersen 1990; McLanahan 2004; Smeeding 2005). Some countries provide generous safety nets, which protect families from lower income. These might include family allowance policies, meant to support families with children given the added costs of childrearing, as well as work-family policies, meant to help mothers balance employment and care. Additionally, some countries purposefully coordinate wages while others rely on market forces (Kenworthy 2001). There is substantial evidence that these policies help to reduce inequality and lower families' risks of poverty, but it remains unclear how these policies affect relative income and whether there are differences across families by education-level of the heads of households. This is important given the risk of low income faced by those with low education and by single parents. Thus, we examine the role that social policies play in moderating – or entrenching – labor market inequalities, as they may increase opportunities for mothers or workers with low education, ease the burdens of work-family conflicts, or reinforce the male-breadwinner model, which disadvantages many women.

While we know that welfare state policies and strategies alter overall income inequality and risks of poverty, we do not understand how these policies affect the vertex where the micro and macro interact, i.e., household income relative to the overall level of inequality (Gini adjusted relative income). Our aim is to understand how, controlling for individual-level factors, policies affect households' Gini adjusted relative income. Yet another aim is to explore whether policy effects differ for families with children depending on partnership status and education. Following Aisenbrey (2009), we expect that there are important differences among households; we further expect that policies may create different outcomes for these different groups. We explore these arguments further in the next section.

#### Policies and Relative Income

The welfare state is widely acknowledged to support vulnerable groups in society by redistributing income through tax and transfer systems and by offering employment protections. We focus on families with children, and explore how the welfare state affects outcomes for these families both through wage-setting practices and work-family policies. We begin by assuming that family structure and parental education will help predict Gini adjusted relative income for most households.

**Hypothesis 1:** Households' relative income should vary by family structure and parental education.

One strategy that countries can take to reduce inequality and alter households' relative income is to implement a system of centralized wage setting and coordination. Here, the state, labor, and businesses work together to determine wages (Kenworthy 2001; Kenworthy 2003;

Kenworthy 2006). In countries that engage in centralized, coordinated wage bargaining, wages are set at the industry- or economy-level and there is little intra-industry variation. Wage coordination typically generates lower wage dispersion, lower state-mediated poverty, and a higher income floor (Blau and Kahn 1996; Brady 2003a; Pontusson, Rueda, and Way 2002). Yet, it remains unclear whether this translates into changes in relative income across households. It is possible that households with less well-educated parents should disproportionately benefit from wage coordination because income floors negotiated out of wage coordination should enhance these households' incomes relative to the overall distribution. Indeed, Pontusson et al. (2002) found that wage coordination reduces wage inequality by enhancing the wages of unskilled workers. We do not anticipate, a priori, that the effects of wage coordination should vary by family structure. Therefore, we hypothesize:

**Hypothesis 2:** Wage coordination should enhance the relative incomes of the least educated.

However, when wage coordination is economy-wide, the benefits of coordination should benefit all workers. Thus, it is also reasonable to predict that wage coordination should benefit all households, irrespective of family structure and parental education, in contrast to hypothesis 2.

We also explore the effect of family policy on inequality among families with children. We begin with family allowances, which provide limited income to families with children. The generosity of family allowances varies dramatically across countries, with some countries offering generous support for extended periods for all families with children, and others offering meager, means-tested support over a shorter period of time. Individuals have a lower risk of poverty in countries where family allowances are more generous (Author 2012; Wang and Caminada 2011). Yet, do family allowances alter relative income? We expect that relative income will be enhanced when policies are associated with both higher levels of mean income and less dispersion around the mean (i.e., lower levels of aggregate inequality), and family allowances are associated with both. Furthermore, family allowances may make up a smaller share of total income for families with partnered mothers, because these families have the potential for greater earnings, and because women's wages tend to be lower than men's wages. Therefore, we hypothesize that:

**Hypothesis 3:** Family allowances should have larger positive effects on the relative income of households headed by single mothers compared to partnered mothers. **Hypothesis 4:** Family allowances should have larger positive effects on the relative income of households with lower educated householders, compared to medium or higher educated, because these families may earn less.

**Hypothesis 5:** There will be an intersection between household structure and education, so that the positive effects of family allowances should be greatest for single mother households where mothers have low education.

Next, we turn to work family policies because these policies target the pressures families face in balancing care and employment. As Gustafsson and Kenjoh (2002) aptly note, fertility and employment decisions are influenced by the cost of fertility and career decisions. Publicly subsidized childcare reduces the cost of fertility by providing low- or no-cost care for children while parents work. Researchers have established that public childcare enhances women's labor market participation and wages, and reduces families' risk of poverty, particularly for families headed by single mothers (Author 2011, 2012; Pettit and Hook 2005; Van der Lippe et al. 2011). Yet, not all families rely on public childcare; family care, private center childcare, and individual-care through nannies also meet care needs. We suspect that state-subsidized childcare is most useful for single parent families as well as for households at lower educational levels, where the costs of private childcare may be prohibitive. We focus on public childcare for children 0-2 because mothers of young children experience the most work family conflict (Bianchi and Milkie 2010). Given the importance of public childcare to employment stability and to reducing risks of poverty, we propose the following hypotheses:

**Hypothesis 6**: Single mother households and households with lower educated householders should have higher relative income in light of public childcare.

**Hypothesis 7**: Higher educated, partnered households with children may be less reliant on public childcare and therefore may not see changes in relative income based on child care.

**Hypothesis 8**: Less educated single mothers will, in particular, benefit from higher relative income in light of public childcare.

Another important work-family policy is parental leave generosity. Parental leave refers to employment leave for care of dependents, including infants and toddlers. It goes beyond the shorter maternity leave, provided to mothers for the weeks before and after the birth of a child. These policies are aimed at helping parents remain attached to the labor force, while also providing them with time to care for families. Generosity may be understood across two dimensions: how long is the leave, and how well paid is the leave. For the most part, longer leaves tend to be less well paid. Research finds the more generous, moderate leave lengths are associated with higher levels of maternal employment and wages (Pettit and Hook 2005; Pettit and Hook 2009).

By allowing working mothers to remain attached to the workforce after the birth of a child, parental leave may have positive effects on a household's relative income. In most countries, highly-educated mothers are less likely to exit the labor force than mothers with low education, in part because they are more career-oriented (Brewster and Rindfuss 2000; Gustafsson and Kenjoh 2002). Yet parental leave may be particularly important to highly educated women, since less educated women may be able to find similar employment after taking time out, even in the absence of leave, while highly educated women rely on the leave to help them maintain their careers. Furthermore, along with single mothers, highly educated mothers also experience high levels of work-family conflict, conflict that may be minimized by work family policies such as leave (Bianchi and Milkie 2010). Therefore, we expect that:

Hypothesis 9: Higher educated households with children should have a higher relative income in light of parental leave, compared to lower and medium educated households.
Hypothesis 10: Single mother households with children should have a higher relative income in light of parental leave.

**Hypothesis 11:** There will be an intersection between household structure and education, so that the positive effects of parental leave should be greatest for single mother households where the mother has a high education.

Yet, we should also note that higher educated mothers are often less likely to take advantage of leave than lower educated moms (Pronzato 2009). This suggests that we may not find support for either hypothesis 9 or 11.

#### Methods

The data used for this study are from the Luxembourg Income Study (LIS) and the Work-Family Policy Indicators Database. The LIS dataset is a cross-national dataset that includes individuallevel data across countries and over time. The countries included in the analysis are primarily from Europe, yet also include Israel, Australia, the United States, and Canada. We include East Germany and West Germany as separate countries, given their separate histories. The time period for this data spans 20 years, with the earliest wave of the LIS data, wave 2, beginning in 1985 to the last wave included in this study, wave 6, which includes data from 2005.<sup>2</sup> The total number of countries included in this analysis is 17, and over the 20 year period translates into a total of 68 separate country and year specific sets of individual data (See Appendix A for a full listing of country years.

Our study limits the sample to families with a woman householder between the ages of 25 and 49 years old who was not serving in the military or self-employed and was living with children under 18 in the household. We select this age range because we are studying policies that affect work-family balance. Therefore, it is necessary to limit the sample to the working age and child-bearing population. In addition, our age restrictions are meant to minimize the effect of inconsistent educational enrollment information across the datasets, as the timing of degree completion and labor force entry varies greatly across these countries, while also focusing on women who are likely to have children in the home.<sup>3</sup> The sample excludes all

<sup>&</sup>lt;sup>2</sup> We do not include wave 1 in the analyses because some of our independent variables are missing in this wave.

<sup>&</sup>lt;sup>3</sup> For LIS, motherhood is measured as present if a woman householder has a co-resident minor under age 18. We do not expect that this will bias our results, since we would expect that

families with a self-employed parent because the measure of income is less accurate when selfemployed individuals are included in the analysis; self-employment income is not reliable or consistently measured across the nations in our sample.<sup>4</sup>

#### Dependent Variable

The dependent variable is household Gini adjusted relative income. This measure is created using household-level income data from the LIS dataset.<sup>5</sup> The Gini adjusted relative income is defined as total household disposable income (in U.S. dollars) divided by survey-specific median income (in U.S. dollars), which is further divided by the Gini index.<sup>6</sup> The household's Gini adjusted relative income captures the vertex of the micro and macro (i.e., household income and income structure), as suggested through structural vulnerability theorizing. Although novel, our measurement builds on existing welfare state research. Many welfare state scholars examine the income distribution, through cross-national measures of income inequality and poverty rates (Author 2003; Bradley et al. 2003; Brady 2003a; Kenworthy 1999). In these studies, the Gini index is a common measure of income inequality (Beckfield 2006; Bradley et al.

children under 18 living in the household would have the most substantial effects vis-à-vis relative income.

 <sup>&</sup>lt;sup>4</sup> For example, there are substantial variations across countries in how negative income is reported.
 <sup>5</sup> Income includes total post-tax and transfer household income and is adjusted for household size by utilizing an equivalence scale.

<sup>&</sup>lt;sup>6</sup> This approach produces a relative measure of household income as opposed to an absolute measure where incomes across countries are compared to a single line (such as median income in the United States). By focusing on country-specific (and period-specific) relative inequality, our measure captures within-country (and period) income inequality. This localized measure is arguably more easily perceptible—compared to cross-country inequality--to residents within countries (Author 2009).

2003; Dallinger 2010; Kenworthy and Pontusson 2005; Lee 2005; Mahler 2008).<sup>7</sup> More recently, scholars have taken a micro-level approach to studying welfare state outcomes by examining individuals' and households' incomes and risks of poverty in light of welfare state policies (Author 2007, 2012; Brady et al. 2009). We combine these approaches by examining household income relative to the overall income distribution. Our dependent variable, Gini adjusted relative income, is reflected in the following formula, where income is converted to US dollars via purchasing power parities:

Gini Adjusted Relative Income =  $(x_{ik}/median_k)/g$ 

where income (x<sub>ik</sub>) for household i in country-year k is divided by median income in countryyear k. This generates the ratio of income relative to the median (Alpizar et al. 2005). This type of ratio comparison is common. For example, Aisenbrey (2009) computes a living standards measure based on the ratio of the household income (taking into account government taxes and transfers) to the low household-income margin. We deviate from this approach by dividing income by median income (as opposed to the low income line). Dividing household income by median household income allows us to compare incomes across countries and over time (Brady 2003b). Our measure is novel because it further divides this ratio by the Gini index (g) allowing us to better capture relative income because we account for exactly how dispersed the local income distribution is.<sup>8</sup>

<sup>&</sup>lt;sup>7</sup> It is common for researchers to examine the Gini index along with other measures of inequality such as the ratio of income at the 90<sup>th</sup> and 10<sup>th</sup> percentiles, 50<sup>th</sup> and 10<sup>th</sup> percentiles, or 90<sup>th</sup> and 50<sup>th</sup> percentiles because ratios have a more direct interpretation than the Gini index. However, we are interested in household income relative to the overall distribution, not relative to two points in the distribution. Therefore, we incorporate the Gini index.

<sup>&</sup>lt;sup>8</sup> We divide by the Gini index instead of the standard deviation because the Gini index is a better measure of overall income inequality.

Table 1 provides an illustration of the dependent variable. The first column shows the value of the dependent variable when the Gini is .4, median income is \$400 and household income is \$500. Here, the dependent variable takes on a value of 3.125. Note that column 4 has the same value for the dependent variable when household income is \$1000 and median income is \$800 with same Gini level. In both of these cases median income is 4/5 the value of household income. Since the Gini is the same, the dependent variable is the same. These two households have similar Gini adjusted relative incomes. Now, moving from column 1 to column 2, if median income remains at \$400 and the Gini remains at .4, but household income moves up from \$500 to \$1000, the value of the dependent variable doubles to 6.25. If you look at a similar scenario in columns 4 and 5 where the only difference is a higher Gini, the dependent variable also doubles in size, moving from 2.5 to 5. Notably, though, the value of the dependent variable is lower in the presence of a higher Gini. This is further clarified by comparing columns 1 and 5 where the only difference is the Gini. When median income is \$400 and household income is \$500, the value of the dependent variable is 3.125 when the Gini is .4, and it is 2.5 when the Gini is .5. This is sensible because when income is more dispersed, an income that is \$100 more than the median is not as substantial relative to the distribution as when income is more concentrated (i.e., when the Gini is smaller). Therefore, the measure of relative income is relative to median income in light of the overall distribution of income. When income is more dispersed, i.e., when the Gini is higher, it takes more income to substantially enhance relative income compared to when income is more concentrated (i.e., when the Gini is smaller). This is sensible because when individuals live in an environment

where the maximum income potential is higher, their aspirations and perceptions of their standards of living are different than when the perceived maximum income is smaller.

#### Table 1 About Here

To further clarify the meaning of the dependent variable across countries, Figure 1 presents the mean value of the dependent variable, i.e, the Gini adjusted relative income (the dark gray column) circa 2000 for each country. Figure 1 also presents data on the two components of the dependent variable -- the ratio of household income to median income (the light gray column) and the Gini coefficient (the G).

#### Figure 1 About Here

The meaning of the dependent variable is clarified when focusing in on the Netherlands, Finland, the United States, the United Kingdom, and Ireland. On average, households with children in the Netherlands and Finland have household incomes approximately 1.1 times median household income. Yet, the average Gini adjusted relative income is lower in Finland than the Netherlands because inequality (i.e., the Gini) is slightly higher. Furthermore, the average ratio of household income to median income in the United States and the United Kingdom is slightly higher at 1.2 times median income. However, relative to these countries' overall income distributions--distributions that are much more dispersed—this income is more modest, and thus the values of the dependent variable take on a smaller value than either Finland or the Netherlands. Additionally, since the United States has higher inequality (i.e., a higher Gini) than the UK, the average Gini Adjusted Relative Income is lower in the United States than in the United Kingdom. If one compares the United States to Ireland, the United States has a higher ratio of household income to the median, but inequality is also substantially higher in the United States, resulting in a lower average Gini adjusted relative income. The income distribution in the United States is so dispersed that an even higher average income ratio would be necessary for this to translate into a higher Gini adjusted relative income compared to Ireland.

#### Independent Variables

Following our hypotheses, the primary household-level independent variables of interest are parental education and partnership status (see Appendix B for brief variable descriptions). Parental education is measured with two categorical variables for education level of 1) the mother and 2) the father. Within each measure, the categories of education are low education, medium education, and high education. These levels are sensitive to the different categories of education across different countries. Low education generally refers to someone that has only received a basic level of education, comparable to not completing secondary school in the United States. The medium education category captures individuals that have received more than basic education, such as a high school degree, or some vocational or college training. High education uses completion of tertiary level education as a threshold, which we believe is an important indicator of income relevant human capital. This mostly includes tertiary university education, though the actual education titles differ by country. High education is conceptually designed to measure the level of education that a fairly small percentage of the population has achieved.

Our measure of father's education also incorporates partnership status, because father's education is coded as high, middle, low, and no father in the household. This is

necessary because incorporating separate measures of fathers' education and partnership status in the models (along with their interactions) produced model instability due to collinearity between father's education and partnership status. The best fitting models incorporated partnership status in the father's education variable. Single fathers are excluded from the analyses due to their small sample size, and families without children are excluded because our focus is upon families with children.<sup>9</sup>

We also control for age of the mother, employment status of the mother, and other employed adults in the household. We focus on mothers' characteristics because many policies directed at families with children, such as parental leave and public childcare, are primarily designed to support mothers as they negotiate the demands of unpaid work and paid work. Age is simply a measure of the mother's age in years. The employment status of the mother is measured with 3 categories: full-time employment (i.e., more than 30 hours per week), parttime employment, and unemployed or not in the labor force (the excluded category). The models also control for a dichotomous measure indicating whether there are other employed adults in the household. All household-level control variables are group mean centered and their group means are included at the second level.

<sup>&</sup>lt;sup>9</sup> Individuals that are identified by the data as legally married or in a civil union were coded as such, though gay couples in countries where there is not legally recognized marriage or civil unions for these couples were not coded as married. This might cause some families to be coded as not partnered when in fact they are living in partnered relationships, yet without the legal union recognized by the country. It would introduce more error to attempt to make judgments on the partnership status of these families. In addition we want to make sure we are comparing families consistently in the countries based on the influence of the poverty policies within these countries. Many countries may have certain restrictions on poverty policies based on the marital status of the mother.

The main country-level independent variables for this study are policies. Family allowance generosity is created by using the LIS dataset to calculate the percentage of the average income that the state provides as public family assistance. To calculate this measure we followed previous researchers (Brady and Burroway 2012) and calculated the average of the child and family allowances provided by each individual country and divided this by the average post-tax and transfer income. This measure was created from the entire LIS dataset, and includes all individuals in the survey regardless of employment status. For this measure the same equivalence scale that was used in the calculation of the income level was used to account for differing household sizes. Public childcare is measured as the percentage of children ages 0 to 2 in publicly funded childcare and early childhood education programs. We measure generosity of parental leave as the weeks of leave multiplied by the leave benefits as a percent female median income. Wage Coordination is measured through Kenworthy's index.<sup>10</sup> It is included in the models as a continuous variable where a value of 1 represents countries with the most decentralized wage bargaining and 5 represents countries with the most centralized wage bargaining.

In addition to these policy measures, unemployment rates and gross domestic product (GDP) were controlled in all models. Unemployment is measured as percent unemployed in each country for each year of data (International Labour Office, 2011). GDP is measured in constant 2000 US dollars and is lagged two years from the LIS data years (World Resource Institute, 2011). Finally, a dummy for each wave is included in the analysis (the final wave is the excluded category).

<sup>&</sup>lt;sup>10</sup>The wage coordination data were downloaded from Jelle Visser's website at http://www.uvaaias.net/207.

#### Analytic Strategy

We analyze households' Gini adjusted relative income through multilevel modeling. The multilevel model is necessary due to the inclusion of both individual- and country-year-level variables. With multilevel models, we can assess the relationship between country-year-level policies and households' relative incomes, while accounting for the fact that individuals are nested within surveys (or country-years). The household level model (level 1) is: *Gini Adjusted Relative Income*<sub>ij</sub> =  $\beta_{0j} + \beta_{1j}momed_j + \beta_{2j}daded_j + \beta_{3j}momed_jdaded_j + \varepsilon_{ij}$  where the Gini adjusted relative income of household i in country-year j is predicted by mothers' education ( $\beta_{1j}$ ), fathers' education ( $\beta_{2j}$ ), and their interaction ( $\beta_{3j}$ ).  $\varepsilon_{ij}$  represents the level 1 error term. This model controls for all household variables, previously mentioned, centered around their group means. Thus, the intercept is interpreted as average income across surveys (Raudenbush and Bryk 2002). The definition of the intercept is critical in multilevel modeling because at the second level, the intercept is a function of second-level variables:

 $\beta_{0j} = \eta_{00} + \eta_{0j} policy + \eta_{1j} period + \alpha_{0j}$ 

In the second level equation,  $\beta_{0j}$  is the random intercept and  $\alpha_{0j}$  is the second-level error term associated with variation across the surveys (or country-years).  $\eta_{0j}$  represents the overall policy effects, and  $\eta_{1j}$  represents the period effects. We attempted to add random effects for both time and country, but the estimated matrix was singular for most models. Therefore, we controlled for time as a fixed effect in the second level equation and added a random effect for country-year, nested within country. For parsimony, we do not present results for the limited number of models that would run when both random effects were added. However, we compared results in those models to the final results presented in this paper, and they are similar. We also attempted to add a third level error term for countries, but this error term proved redundant (see also Hook 2006).

Given that most of our hypotheses demand a cross-level interaction between the education variables and the policy variables, we also include random slopes at level 2 where the slopes  $\beta_{1j}$ ,  $\beta_{2j}$ ,  $\beta_{3j}$  are predicted by policy variables  $\eta_{1j}$ ,  $\eta_{2j}$ ,  $\eta_{3j}$  and random effects  $\alpha_{1j}$ ,  $\alpha_2$ ,  $\alpha_{3j}$ .

 $\beta_{1j} = \eta_{10} + \eta_{1j} policy + \alpha_{1j}$ 

 $\beta_{2j} = \eta_{20} + \eta_{2j} policy + \alpha_{2j}$ 

 $\beta_{3j} = \eta_{30} + \eta_{3j} policy + \alpha_{3j}$ 

Given the limited number of countries in the analysis (n=17), we also conducted a jackknife assessment of the impact of each country on the regression coefficients. For this analysis, we re-ran the models 17 times, excluding in each model a different country and all of its waves of data. We find that our results are generally robust. Any differences are reported in the text.<sup>11</sup>

Finally, the analysis of residuals at the country-level slightly deviated from normal. The jackknife analysis illustrated that when some countries were excluded from the analysis, the second-level errors were normally distributed. However, excluding those countries did not change the results of the fixed effects in the models. Therefore, we include all countries in the final models and we adjust standard errors with the sandwich estimator (with the empirical

<sup>&</sup>lt;sup>11</sup> In separate analysis (not shown), we also incorporated a dummy variable that was coded 1 when parental leave generosity took on a value of zero. This was necessary because many countries lack any form of parental leave. The dummy variable was not significant, did not improve model fit, and did not change the results. Therefore, the results reported here exclude this variable.

option in SAS). The sandwich estimator produces robust standard errors when the residuals deviate from normal. It is important to note that the results are robust to the estimation of standard errors (as either model-based or empirical).

#### Results

Table 2 presents results from multilevel regression analyses predicting households' Gini adjusted relative income. Model 1 presents the interaction between father's education and the policy variables; Model 2 presents interactive effects of policies with mother's education; Model 3 tests interactions between mother's education, father's education, and the policy variables.

#### Table 2 About Here

Model 1 illustrates that compared to households where mothers have medium levels of education, any household with a highly educated mom has a higher Gini adjusted relative income. The same is true when comparing households with highly educated dads to households with medium educated dads. In contrast, households without a father and households with lower educated dads have lower Gini adjusted relative income.<sup>12</sup> Turning to the control variables, older households and households with employed mothers and other adults have higher relative income. The effects of time illustrate that relative income has varied over time, with the highest Gini adjusted relative income, on average, found in wave 2. Clearly, average relative income has declined over time. This is sensible given that income inequality has risen in many countries, and increases in income among the middle class has not

<sup>&</sup>lt;sup>12</sup> In separate analyses (not shown), we divided dad's education and father not in the home into separate variables. The results were robust.

maintained pace with the incomes of the highest income group. Small increases in average income accompanied by larger increases in inequality generate lower relative income (on average).

Turning to the cross level interactions in Model 1 where policies are interacted with dad's education, the F-tests of the interaction effects reveal that dad's education interacts significantly with wage coordination, public childcare, and parental leave generosity. It is important to note, however, that the cross level interaction between dad's education and parental leave generosity is not robust to the jackknife analysis as it becomes nonsignificant when France or Israel is dropped from the analysis. In contrast, the effects of the interactions between dad's education and both wage coordination and public childcare are robustly significant.

The results illustrate that among households where dads have low education, relative incomes are higher in country-periods where wages are centrally coordinated. This corroborates previous research that found that the lowest skilled workers benefit from wage coordination. Therefore, we find support for the hypothesis that wage coordination should benefit the least educated (Hypothesis 2).<sup>13</sup> Although we did not hypothesize an effect of wage coordination by family structure, we also do find that wage coordination boosts income slightly for families with single mothers (particularly highly educated single mothers, as shown in Model

<sup>&</sup>lt;sup>13</sup> In separate analyses, not shown, we ran separate models for cross-level interactions with dad's education (where education does not include the category of no dad in the household). These models controlled for partnership status (coded 1 for no dad in the household). The results are robust. We also ran a model that interacts partnership status with wage coordination, controlling for both mom's and dad's education. Again, the results are robust. This model and subsequent models combine partnership status and dad's education into the dad's education variable because model 3 is unstable when partnership is measured separately and interacted with mom's and dad's education.

3). This empirical finding is sensible, although not addressed in existing theory.

Model 2 presents the cross level interactions between the policy variables and mom's education. The F-tests illustrate that none of the cross-level interactions are significant. The lack of significant cross-level interactions in this model sheds new light on our understanding of household income inequality across countries. First, while the previous model illustrated that households with less well educated dads benefit in the context of wage coordination, the same benefit is not evident among households where mothers have lower education (controlling for father's education). Relative income appears to be, still, driven primarily through fathers' earnings for partnered mothers – with dad's low education mattering more than mom's low education. Second, the nonsignificant interactions between the work-family policies, including public childcare and parental leave, and mother's education are remarkable because these policies are designed primarily to support mothers' work-family balance.

Yet, do policies interact with partnership status and the education of both the mother and father to predict relative household income? Model 3 sheds light by modeling these interactions. The F-tests illustrate that household income varies by mom's and dad's education, and the effects of work-family policies (i.e., public child care and parental leave generosity) vary across these categories. Looking first at the interaction between mom's education and dad's education, compared to households where both the mom and dad have medium education, Gini adjusted relative income is significantly higher when both parents have high education. Interestingly, single mother households where the mother has a high education also have higher predicted Gini adjusted relative income than two parent households where both parents have medium education. These results clearly illustrate that there is an intersection between partnership status and education (in support of hypothesis 1). It is not simply single parenthood that leads to low relative incomes – but single parenthood with moderate or lower levels of education and dual parenthood with low levels of education that leads to such outcomes.

We also find, in contrast to hypotheses 3 through 5, that family allowances do not interact with partnership status and education to predict relative incomes. The effect of family allowances is significant and positive, but it does not vary across education and partnership status. This may in fact be sensible. Given that family allowances are universal in many countries and not needs-based, family allowances may serve to slightly increase the relative incomes of all households with children. If we had included households without children in the model, then we may have seen a significant effect since family allowances likely distribute from childless households to households with children. This requires further investigation.

This model also illustrates that public childcare and parental leave generosity significantly interact with partnership status and parental education. These results are presented graphically in Figures 2 and 3. In each of these figures, the policy variable ranges from its 10<sup>th</sup> percentile to its 90<sup>th</sup> percentile, and the y-axis presents predicted Gini-adjusted relative income.

Figure 2 presents predicted Gini adjusted relative income by extensiveness of the public child care system for children under 3. This figure illustrates that categories of households that fall at the lower end of the relative income spectrum benefit from more extensive public child care. Less educated and moderately educated single mother families benefit in contexts where public child care is more extensive, yet the benefit is greatest for single mothers with low levels of education (both of these are significant). In contrast, single mothers with high education do not have significantly higher income when they reside in countries with more extensive public childcare systems. The graph suggests that among households with highly educated dads (the solid black lines), that public childcare is associated with lower Gini adjusted relative incomes, but it is important to note, however, that these declines are not significantly different from zero. Therefore, the relative incomes of households with highly educated dads are not significantly affected by the breadth of public childcare in a country-period.

The graph also illustrates that the Gini adjusted relative income gap between households with two medium educated parents and households with two lower educated parents is smaller in countries with more extensive public child care. At the tenth percentile of the public child care distribution, there are significant gaps in predicted Gini adjusted relative income between medium education and each of the following categories: mother low, father low; mother low, no father; mother low, father medium; mother medium, father low; mother medium, no father. These gaps are not significant at the ninetieth percentile of the public childcare distribution. Thus, Gini adjusted relative income gaps at the lower end of the relative income distribution are smaller in the context of more extensive public childcare.

#### Figure 2 About Here

This figure helps clarify the results in relation to our hypotheses. In support of hypothesis 6, households headed by single mothers and households with low education experience the greatest benefit from public childcare. The availability of public childcare provides these households, which tend to have fewer resources to purchase private childcare, greater employment stability. This translates into higher income relative to the overall income distribution. In contrast, and in support of hypothesis 7, highly educated partnered households

are not reliant on public childcare and therefore do not show a significant boost in relative income from its availability. Finally, in support of hypothesis 8, extensive public childcare is most beneficial to single mother households where the mother is less well educated. Clearly, public childcare is a tool for reducing inequality and for reducing the economic vulnerability associated low education and single parenting.

The results for parental leave are quite different than the results for childcare. Indeed, while childcare was disproportionately supportive of single mother, particularly less welleducated single mothers, parental leave is supportive of most households. Indeed, most lines in Figure 3 have significant, positive slopes. The coefficients presented in Table 2 help interpret the graph. The slope for parental leave generosity (for households where both parents have medium education) is significantly positive, and most of the cross-level interactions with parental leave are not significantly different, meaning that most groups benefit from parental leave generosity. The positive slopes for "Mom High Education \* Dad Low Education \* Parental Leave Generosity" and for "Mom High Education \* No Dad \* Parental Leave Generosity" illustrate that the positive effect is even stronger for highly educated moms who have no partner or a partner with low education (in partial support of Hypotheses 9 and 11). In Hypothesis 11, we expected that highly educated single mothers would benefit strongly from parental leave generosity, and find marginally significant support for this hypothesis. The effect of parental leave generosity is also significant for households without a father, in support of Hypothesis 10. As we expected, highly educated mothers benefit the most strongly from parental leaves that allow them to maintain employment, while also taking leave to care for new children, but the story is a little more complicated because this is true when dads have low

education or there is no dad in the household. Overall, parental leave generosity is beneficial for all households.

#### Figure 3 About Here

#### The Dependent Variable, Revisited

Returning to the dependent variable, we contend that our measure of Gini adjusted relative income is valuable because it reflects the vertex where household income intersects the local income distribution. We illustrate the necessity of dividing the income ratio by the Gini in Figures 4 which presents the predicted income ratio (i.e., household income divided by median income presented in Figure 2) by partnership status, parental education and public child care. This graph is similar to Figure 2, with the exception that the dependent variable is the income ratio (as opposed to the Gini adjusted relative income). The model on which this graph is built is presented in Appendix C. This graph illustrates that when public childcare is more extensive, there is a smaller gap in the income ratio between higher educated partnered households and lower educated and single mother households. In fact, public childcare has a significantly negative effect on the income of households where both parents have a high education. This result is sensible. Work-family policies, family allowances, and wage coordination are generally found in countries with lower income inequality, and in fact, these policies help to lower income inequality. By definition, inequality is lowered through redistribution between the highest and lowest income households. Therefore, analysis at the household level that compares across household types illustrates lower levels of income inequality between these households at higher levels of the policy variables. Indeed, we find across all income ratio

models run (not shown), that groups of households at the top of the income distribution have lower income ratios (compared to the median) when policies are widespread, compared to when they are weak. Again, this is sensible. Countries with remarkably high inequality are exceptional because they are characterized by minimalist welfare states with limited redistribution and worker protection. As a result, the top of the income distribution has remarkably high income. One could argue that simply controlling for the Gini index in the income ratio models would be sufficient to capture our conceptualization of structural vulnerability, but in fact, the Gini index does not predict average income, instead it predicts the variability in income (indeed, it is the variability in income). Thus, to create a dependent variable that accurately analyzes income experiences of households within countries in light of this variability, this income ratio was divided by the Gini to produce our measure of Gini adjusted relative income. This measure is relative to what is currently possible and perceptible within a country.

#### Conclusions

This manuscript has illustrated how wage coordination and work-family policies affect households' Gini adjusted relative income across countries by parental education and partnership status. By combining national-level data with historical LIS microdata, we have generated a novel analysis that examines policies' effects on households over time. We believe that we have made both methodological and theoretical contributions with our work.

Methodologically, by pooling data together over time periods, we have more robustly measured policy effects because the sample is larger and more importantly, we have minimized period-specific effects by pooling across multiple time periods. Pooling data over time is also beneficial because it allows us to test multiple policies in a single model. Welfare state scholars have established that countries cluster in the types of policies they implement; countries that are generous in one policy area are often also generous in other policy areas. Prior studies have examined a single policy area or have examined multiple policies in separate models (Author 2012; Brady and Burroway 2012). These studies have provided important insights into policy effects, but our study allows us to go a step further by examining one policy's effect while controlling for other policy effects, recognizing that policies do not work in a vacuum, but are conditioned by other policies.

Theoretically, our contributions are to structural vulnerability theory. Structural vulnerability theory aims to consider how the individual, or the household, is structurally located within a context. Thus, households headed by single mothers, for example, may be disadvantaged in many settings, but particularly so in contexts that provide little support for working parents. Our analysis provides a better test of structural vulnerability theory than previous studies because structural vulnerability is operationalized in both the independent (through cross-level interactions) and dependent variables. By creating a dependent variable that standardizes household income relative to both median income and societal-level income inequality, we are able to get at the very center of structural vulnerability. Had we looked at income relative to the median alone, we would have simply found how redistribution works within countries. Those results would be fairly obvious – the most highly educated groups who have the highest incomes typically redistribute to the least educated groups. By standardizing relative income, our analysis takes us a step further. Conceptually, our measure is meant to

reflect the vertex where household income meets the income distribution. Thus it illustrates where households fall within the income structure of the country at a specific point in time.

We test structural vulnerability theory by examining policy effects across households, controlling for other policies and GDP. Well-established policy effects at the household or individual level do not necessarily translate into higher incomes for families with children relative to the overall distribution. We focus on four policies that are known to enhance household income or at least limit the risk of poverty for some households. First, we examine wage coordination. Some countries coordinate wages centrally, while others, such as the United States, do not. Wage coordination is associated with a more equitable distribution of wages, and is widely studied by sociologists and political scientists. Our findings give us new insights by showing that wage coordination is associated with higher relative income of households where the fathers have low education (in corroboration of previous studies), but it does not help boost the relative income of households where the mothers have low education. Yet, single mother households, regardless of the education level of the mom, have higher relative incomes in countries with more centrally coordinated wages. Thus, for partnered families, fathers' education is a source of vulnerability (or at least sensitivity) to the context of wage coordination. Single parenting is also a source of vulnerability regardless of mothers' education. Both of these groups are more vulnerable in the income structure when wages are less centrally coordinated. Thus, wage coordination not only alters the structure of the income distribution (as found in previous research), it also changes the point where households intersect with that structure.

Second, we examine family allowances because they are the most widely studied

component of the welfare state as it relates to household income. One of the reasons that family allowances have received widespread attention is because they are important components of family income that help reduce households' risks of poverty. Yet, we find that family allowances do not significantly predict households' relative incomes. Thus, while family allowances may reduce the risk of poverty, they do not alter the financial realities of households with children relative to the overall income distribution. Households may have higher incomes, but family allowances do not noticeably alter where households with children fall in the overall income distribution. We do not mean to suggest that family allowances are not important. We just aim to qualify previous findings to suggest that while family allowances are beneficial, they do not dramatically alter the status quo. It is important to note that this analysis only focuses on households with children. Had childless households been included in the analysis, we might have found differences between these two groups. This is a topic for future research.

The final two policies, childcare and maternity leave, are work-family policies designed to help parents, mothers in particular, combine work and family. Prior scholarship has found that these policies are associated with higher wages, lower risks of poverty, particularly for single mothers, and lower inequality. We build on the previous literature by examining if these policies also alter the intersection of households' incomes with the income structure. We find that in fact work family policies alter relative incomes, but in very different ways. We find that vulnerability to the availability of public childcare must consider family structure and education in tandem; the least educated single moms are the most vulnerable to this structural condition (or absence thereof). In contrast, the relative incomes of all households with children are conditioned by the generosity of parental leave, yet highly educated single mom households and partnered mom households where the dad has low education are the most sensitive to the presence of this policy environment.

This research has important policy implications. We began this paper by asking whether welfare states were successful at redistributing income across households, in ways that would limit inequality for households with children. In particular, we wished to explore the intersection of education and household structure – and whether policies were successful at addressing the needs of the most vulnerable, for example, households headed by less educated single mothers. We find that the benefits of some policies are widespread. For example, parental leave generosity is beneficial for most families with children. As a result, policy-makers should consider mandatory paid leaves as a strategy toward helping a wide variety of families manage work-family conflict at the point when they expand their families. Some policies, such as wage coordination and public childcare, also have targeted appeal, helping the most vulnerable groups. Thus, policy-makers should consider these policies as strategies to boost the relative incomes of some of the most vulnerable groups in society (including the least educated and single mothers). Clearly, our research further illustrates how policies can help different groups within the overall structure of inequality in a society.

### References

Period-Specific Country Gini		0	.4		0.5				
Period-Specific Country Median Income, In Local Currency		400		00	4	400		800	
Family Income, In Local Currency	500	1000	500	1000	500	1000	500	1000	
Value of Dependent Variable	3.1	6.3	1.6	3.1	2.5	5.0	1.3	2.5	
Column	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	

Table 1. Clarification of the Dependent Variable: Gini Adjusted Relative Income

TABLE 2. Hierarchical Linear Regression Predicting Gini Adjusted Relative Income among Households

IABLE 2. HIERARCHICAI LINEAR REGRESSION Predicting Gini Adjusted Relative	income ar	nong Housen	0105	Andal 2		Andal 3
Intercept	-3.246	(2.926)	-3.310	(2.929)	-3,450	(2.926)
	3.2-10	, =0)	3.510		5.750	
Primary Household Level Variables						
Mom High Education	.695	(.036) ***	.738	(.040) ***	.641	(.033) ***
Mom Low Education	329	(.025) ***	355	(.025) ***	375	(.033) ***
Mom Medium Education (Excluded Category)						
Dad High Education	.925	(.044) ***	.861	(.041) ***	.879	(.047) ***
Dad Low Education	385	(.026) ***	349	(.025) ***	409	(.037) ***
No Dad in Household	450	(.042) ***	380	(.044) ***	476	(.047) ***
Dad Medium Education (Excluded Category)						
Mom High Education *Dad High Education					157	( 054) **
Mom High Education *Dad Figh Education					.157	(.034)
Moni High Education * No Dad in Household					027	(.088)
Mont fight Education - No Dad in Household					.102	(.055)
Mom Low Education * Dad High Education					157	(.084) +
Mom Low Education * Dad Low Education					.051	(.032)
Mom Low Education * No Dad in Household					.020	(.035)
						()
Primary Country-Year Policy Variables						
Wage Coordination	.028	(.040)	.037	(.042)	.027	(.040)
Family Allowances	.179	(.074) *	.181	(.074) *	.186	(.080) *
Public Child Care	.004	(.005)	.004	(.005)	.005	(.004)
Parental Leave Generosity	.012	(.003) **	.015	(.004) ***	.012	(.004) **
Cross-level Interactions						
Dad High Education * Wage Coordination	030	(.028)			056	(.031) +
Dad Low Education * Wage Coordination	.037	(.016) *			.032	(.023)
No Dad in Household * Wage Coordination	.047	(.021) *			.050	(.027) +
Dad High Education * Family Allowances	071	(.062)			.030	(.069)
Dad Low Education * Family Allowances	.006	(.046)			.007	(.057)
No Dad in Household * Family Allowances	016	(.042)			003	(.059)
		( 000) ***				( 000) ***
Dad High Education * Public Child Care	010	(.003) ***			014	(.003) ***
Dad Low Education * Public Child Care	.002	(.002)			.001	(.003)
No Dad in Household * Public Child Care	.009	(.002)			.009	(.002)
Dad High Education * Parental Leave Generosity	006	( 002) **			007	( 002) **
Dad Low Education * Parental Leave Generosity	.000	(.002)			.007	(.002)
No Dad in Household * Parental Leave Generosity	.002	(.002)			.002	(.002)
The Dad in Household - Falenda Leave Generosity	.005	(.001)			1001	(.002)
Mom High Education * Wage Coordination			006	(.025)	038	(.019) +
Mom Low Education * Wage Coordination			.021	(.016)	.024	(.022)
C C				. ,		. ,
Mom High Education * Family Allowances			089	(.055)	029	(.066)
Mom Low Education * Family Allowances			.005	(.039)	.023	(.048)
Mom High Education * Public Childcare			003	(.002)	003	(.002)
Mom Low Education * Public Child Care			.004	(.002) +	.002	(.003)
Mom High Education * Parental Leave Generosity			002	(.003)	004	(.002) *
Mom Low Education * Parental Leave Generosity			.000	(.002)	.000	(.002)
Mom High Education * Dad High Education * Wage Coordination					.074	(.047)
Mom High Education * Dad Low Education * Wage Coordination					.001	(.048)
					.073	(.042) +
Mom High Education * No Dad in Household * Wage Coordination						
Mom High Education * No Dad in Household * Wage Coordination						
Mom High Education * No Dad in Household * Wage Coordination Mom Low Education * Dad High Education * Wage Coordination					.055	(.055)
Mom High Education * No Dad in Household * Wage Coordination Mom Low Education * Dad High Education * Wage Coordination Mom Low Education * Dad Low Education * Wage Coordination					.055 .001	(.055) (.025)
Mom High Education * No Dad in Household * Wage Coordination Mom Low Education * Dad High Education * Wage Coordination Mom Low Education * Dad Low Education * Wage Coordination Mom Low Education * No Dad in Household * Wage Coordination	 	  	 	  	.055 .001 031	(.055) (.025) (.033)
Mom High Education * No Dad in Household * Wage Coordination Mom Low Education * Dad High Education * Wage Coordination Mom Low Education * Dad Low Education * Wage Coordination Mom Low Education * No Dad in Household * Wage Coordination	 	  		  	.055 .001 031	(.055) (.025) (.033)
Mom High Education * No Dad in Household * Wage Coordination Mom Low Education * Dad High Education * Wage Coordination Mom Low Education * Dad Low Education * Wage Coordination Mom Low Education * No Dad in Household * Wage Coordination Mom High Education * Dad High Education * Family Allowances	  	  	  	  	.055 .001 031 170	(.055) (.025) (.033) (.085) *
Mom High Education * No Dad in Household * Wage Coordination Mom Low Education * Dad High Education * Wage Coordination Mom Low Education * Dad Low Education * Wage Coordination Mom Low Education * No Dad in Household * Wage Coordination Mom High Education * Dad High Education * Family Allowances Mom High Education * Dad Low Education * Family Allowances	  	  	  	   	.055 .001 031 170 .149	(.055) (.025) (.033) (.085) * (.106)

TABLE 2 Continued. Hierarchical Linear Regression Predicting Gini Adjusted Relative Income among Households								
	Ν	/odel 1		Ν	/lodel 2	N	lodel 3	
Mom Low Education * Dad High Education * Family Allowances						069	(.094)	
Mom Low Education * Dad Low Education * Family Allowances						023	(.050)	
Mom Low Education * No Dad in Household * Family Allowances						.000	(.059)	
Mom High Education * Dad High Education * Public Childcare						.004	(.004)	
Mom High Education * Dad Low Education * Public Childcare						009	(.004)	*
Mom High Education * No Dad in Household * Public Childcare						002	(.004)	
Mom Low Education * Dad High Education * Public Childcare						.004	(.004)	
Mom Low Education * Dad Low Education * Public Childcare						.005	(.002)	*
Mom Low Education * No Dad in Household * Public Childcare						001	(.003)	
Mom High Education * Dad High Education * Parental Leave Generosity						.001	(.002)	
Mom High Education * Dad Low Education * Parental Leave Generosity						.009	(.003)	***
Mom High Education * No Dad in Household * Parental Leave Generosi						.004	(.003)	+
Mom Low Education * Dad High Education * Parental Leave Generosity						.001	(.005)	
Mom Low Education * Dad Low Education * Parental Leave Generosity						001	(.001)	
Mom Low Education * No Dad in Household * Parental Leave Generosit						.003	(.002)	
Control Variables								
Wave 2	1.068	(.239)	***	1.075	(.239) ***	1.101	(.238)	***
Wave 3	.820	(.189)	***	.821	(.190) ***	.839	(.190)	***
Wave 4	.446	(.164)	**	.450	(.165) **	.465	(.165)	**
Wave 5	.149	(.108)		.151	(.108)	.164	(.109)	
Wave 6 (Excluded Category)								
Mom's Age	.057	(.002)	***	.057	(.002) ***	.057	(.002)	***
Mom Full-Time	1.013	(.061)	***	1.013	(.061) ***	1.013	(.061)	***
Mom Part-Time	.415	(.039)	***	.415	(.039) ***	.416	(.038)	***
Mom Unemployed or Out of the Labor Force (Excluded Category)								
Other Employed Adults in Household	1.105	(.044)	***	1.106	(.044) ***	1.105	(.044)	***
Group Mean Mom's Age	.181	(.069)	*	.183	(.069) *	.187	(.069)	**
Group Mean Mom Full-Time	-1.247	(.545)	*	-1.268	(.549) *	-1.252	(.549)	*
Group Mean Mom Part-Time	524	(.931)		549	(.936)	508	(.939)	
Group Mean Other Employed Adults in Household	.445	(.585)		.442	(.587)	.432	(.590)	
GDP Per Capita	.022	(.009)	*	.023	(.009) *	.023	(.009)	*
Unemployment Rate	003	(.019)		002	(.019)	002	(.018)	
F-Tests for Cross-Level Interactions								
Dad's Education * Wage Coordination	F= 4	.79**				F=4.	06**	
Dad's Education * Family Allowances	F=0	.49				F=0.	6	
Dad's Education * Public Child Care	F=1	7.63***				F=1	2.14***	
Dad's Education * Parental Leave Generosity	F=3	.46*				F=5.	65***	
Mom's Education * Wage Coordination				F=0.	.99	F=1.	22	
Mom's Education * Family Allowances				F=1.	.43	F=0.	56	
Mom's Education * Public Child Care				F=2.	.01	F=3.	07*	
Mom's Education * Parental Leave Generosity				F=0.	.28	F=0.	14	
Dad's Education * Mom's Education * Wage Coordination						F=1.	82+	
Dad's Education * Mom's Education * Family Allowances						F=2.	1+	
Dad's Education * Mom's Education * Public Child Care						F=6.	32***	
Dad's Education * Mom's Education * Parental Leave Generosity						F=5.	28***	
Random Effects								a.a.c
Intercept	.146	(.035)	***	.144	-(.035) ***	.148	(.035)	***
Mom's Education	.036	(.006)	***	.032	(.006) ***	.032	(.006)	***
Dad's Education	.032	(.005)	***	.048	(.006) ***	.028	(.005)	***
Mom's Education * Dad's Education			a. a. c			.012	(.003)	***
Residual	2.494	(.008)	***	2.494	(.008) ***	2.489	(.008)	***

Note: 198,509 households nested within 68 surveys for 17 countries; \*\*\* p<.001 \*\*p<.01 \*p<.05 +p<.10



# Figure 1. Distribution of Gini Adjusted Relative Income, Income Ratios, and the Gini Index for Average Households with Children across Countries, circa 2000.



# Figure 2. Predicted Gini Adjusted Relative Income for Households with Children by Partnership Status, Parental Education, and Public Child Care (from Table 2, Model 3)



## Figure 3. Predicted Gini Adjusted Relative Income for Households by Partnership Status, Parental Education, and Parental Leave



Figure 4. Predicted Ratio of Household Income to Median by Partnership Status, Parental Education, and Public Child Care

Wave 2	Wave 3	Wave 4	Wave 5	Wave 6
Australia 85	Australia 89	Australia 95	Australia 01	Australia 03
		Austria 95	Austria 00	Austria 04
Belgium 85	Belgium 88	Belgium 95		
Canada 87	Canada 91	Canada 94	Canada 00	Canada 04
Finland 87	Finland 91	Finland 95	Finland 00	Finland 04
		France 94	France 00	France 05
		East Germany 94	East Germany 00	East Germany 04
	West Germany 89	West Germany 94		West Germany 04
		Ireland 95	Ireland 00	Ireland 04
	Israel 92	Israel 97	Israel 01	Israel 05
	Italy 91	Italy 95	Italy 00	Italy 04
Luxembourg 85	Luxembourg 91	Luxembourg 94	Luxembourg 00	Luxembourg 04
Netherlands 87	Netherlands 91	Netherlands 94	Netherlands 99	Netherlands 04
		Spain 95	Spain 00	Spain 04
	Sweden 92	Sweden 95	Sweden 00	Sweden 05
United Kingdom 86	United Kingdom 91	United Kingdom 95	United Kingdom 99	United Kingdom 04
United States 86	United States 91	United States 94	United States 00	United States 04

Appendix A: Country Years Included in the Analyses

Appendix B: Description of Independent Variables Included in the Analysis					
Variables	Definition				
Household Level					
Mom's Education	3 categories: low, medium (excluded), and high				
Dad's Education and Partnership Status	4 categories : low, medium (excluded), high, and no father in the household				
Mom's Age	Mother's age in years				
Mom's Employment Status	3 categories: full-time (more than 30 hours per week), part-time, and unemployed or not in the labor force				
Other Employed Adults in Household	1= presence of other employed adult(s) in household. This includes spouse of the mother, adult children, and any other adult				
Country-Year Level					
Family Allowance Generosity	Percentage of the average income that the state provides as public family assistance				
Public Childcare	Percentage of children ages 0 to 2 in publicly funded childcare and early childhood education programs				
Parental Leave	Weeks of leave multiplied by the leave benefits as a percent female median income				
Wage Coordination	Measured through Kenworthy's index, continuous variable: 1 = most decentralized wage bargaining				
	and 5 = most centralized wage bargaining				
Unemployment Rate	Percent unemployed				
GDP	Constant 2000 US dollars, lagged two years from the LIS data years				
Wave	Dummy for each wave				
Group Mean – Mom's Age	Group mean of mom's age				
Group Mean Mom Full-Time	Group mean of mom employed full-time				
Group Mean Mom Part-Time	Group mean of mom employed part-time				
Group Mean Other Employed Adults	Group mean of other employed adults in the household				

Note: Mom's education and dad's education are not centered and do not require group means.

Annendiy C	Hierarchical Linear	Regression Predicting	g Ratio of Household Inco	me to Median
Appendix C.	nierarcincai Linear	negression Freulung	g hallo of household mu	Jille to weulan

Appendix C. Hierarchical Linear Regression Predicting Ratio of Household Income to Median				
latere et	Estimate	Std Error		
Intercept	208	(.636)		
Primary Household Level Variables				
Mom High Education	.198	(.011) ***		
Mom Low Education	118	(.011) ***		
Mom Medium Education (Excluded Category)				
Dad High Education	.275	(.017) ***		
Dad Low Education	127	(.012) ***		
No Dad in Household	149	(.014) ***		
Dad Medium Education (Excluded Category)				
Mom High Education *Dad High Education	.045	(.016) **		
Mom High Education *Dad Low Education	013	(.027)		
Mom High Education * No Dad in Household	.053	(.016) **		
Mom Low Education * Dad High Education	056	(.027) *		
Mom Low Education * Dad Low Education	.015	(.009)		
Mom Low Education * No Dad in Household	.009	(.010)		
Primary Country-Year Policy Variables	a	( 000) ***		
wage Coordination	038	(.009) ***		
Family Allowances	.003	(.019)		
Public Child Care	002	(.001)		
Parental Leave Generosity	001	(.001)		
Cross level Interactions				
LI USS-IEVEI INTERACTIONS	026	( 000) **		
Dad Low Education * Wage Coordination	026	(.009) **		
Dad Low Education * wage Coordination	.019	(.007) ***		
No Dad in Household * wage Coordination	.025	(.007) ***		
Dad High Education * Family Allowances	010	( 022)		
Dad Law Education * Family Allowances	019	(.023)		
Dad Low Education - Failing Allowances	.025	(.017)		
No Dad III Household * Family Allowances	.017	(.018)		
Dad High Education * Public Child Care	004	( 001) ***		
Dad Low Education * Public Child Care	004	(.001)		
No Dad in Household * Public Child Care	001	(.001) ***		
No Dad in Household * Fuone Clinic Care	.005	(.001)		
Dad High Education * Parental Leave Generosity	001	(001) +		
Dad Low Education * Parental Leave Generosity	.001	(.001) *		
No Dad in Household * Parental Leave Generosity	.001	(.001) *		
1.0 2.44 in Flowsenski – Futerius Leuve GenelUSity	.001	(		
Mom High Education * Wage Coordination	024	(.006) ***		
Mom Low Education * Wage Coordination	.024	(.007)		
internation in the coordination	.011	()		
Mom High Education * Family Allowances	026	(.018)		
Mom Low Education * Family Allowances	.024	(.014) +		
······································		· · ·/		
Mom High Education * Public Childcare	.000	(.001)		
Mom Low Education * Public Child Care	.000	(.001)		
		· · · -/		
Mom High Education * Parental Leave Generosity	002	(.001) **		
Mom Low Education * Parental Leave Generosity	.001	(.001)		
Mom High Education * Dad High Education * Wage Coordination	.021	(.013)		
Mom High Education * Dad Low Education * Wage Coordination	.003	(.014)		
Mom High Education * No Dad in Household * Wage Coordination	.019	(.012) +		
Mom Low Education * Dad High Education * Wage Coordination	.019	(.016)		
Mom Low Education * Dad Low Education * Wage Coordination	004	(.007)		
Mom Low Education * No Dad in Household * Wage Coordination	008	(.009)		
Mom High Education * Dad High Education * Family Allowances	050	(.024) *		
Mom High Education * Dad Low Education * Family Allowances	.046	(.033)		
Mom High Education * No Dad in Household * Family Allowances	049	(.030)		
Continued on Next page			Δ	

Aisenbrey, Silke. 2009.

"Economic Penalties and Rewards of Family Formation, Gender and Education in the Low-Income Sector in Germany." *The British journal of sociology* 60:95-121.

- Aisenbrey, Silke and Hannah Brückner. 2008. "Occupational Aspirations and the Gender Gap in Wages." *European Sociological Review* 24:633-649.
- Alpizar, Francisco, Fredrick Carlsson, and Olaf Johansson-Stenman. 2005. "How Much Do We Care About Absolute Versus Relative Income and Consumption?" *Journal of Economic Behavior & Organization* 56:405-421.
- Autor, David H., Lawrence F. Katz, and Melissa S. Kearney. 2006. "The Polarization of the Us Labor Market." *American Economic Review* 96:189-194.
- Bardasi, Elena and Janet C. Gornick. 2008. "Working for Less? Women's Part-Time Wage Penalties across Countries." *Feminist Economics* 14:37-72.
- Beckfield, Jason. 2006. "European Integration and Income Inequality." *American Sociological Review* 71:964-985.
- Bernburg, Jón Gunnar, Thorolfur Thorlindsson, and Inga Dora Sigfusdottir. 2009. "Relative Deprivation and Adolescent Outcomes in Iceland: A Multilevel Test." *Social Forces* 87:1223-1250.
- Bianchi, S.M. and M.A. Milkie. 2010. "Work and Family Research in the First Decade of the 21st Century." *Journal of Marriage and Family* 72:705-725.
- Blau, Francine D. and Lawrence M. Kahn. 1996. "International Differences in Male Wage Inequality: Institutions Versus Market Forces." National Bureau of Economic Research.
- Bradley, David, Evelyne Huber, Stephanie Moller, Francois Nielsen, and John D. Stephens. 2003.
   "Distribution and Redistribution in Postindustrial Democracies." World Politics 55:193-228.
- Brady, David. 2003a. "The Politics of Poverty: Left Political Institutions, the Welfare State, and Poverty." *Social Forces* 82:557-588.
- -. 2003b. "Rethinking the Sociological Measurement of Poverty." *Social Forces* 81:715-752.
- Brady, David and Rebekah Burroway. 2012. "Targeting, Universalism, and Single-Mother Poverty: A Multilevel Analysis across 18 Affluent Democracies." *Demography*:1-28.
- Brady, David and Ryan Denniston. 2006. "Economic Globalization, Industrialization and Deindustrialization in Affluent Democracies." *Social Forces* 85:297-329.
- Brady, David, Andrew S. Fullerton, and Jennifer M. Cross. 2009. "Putting Poverty in Political Context: A Multi-Level Analysis of Adult Poverty across 18 Affluent Democracies." *Social Forces* 88:271-299.
- Brewster, K.L. and R.R. Rindfuss. 2000. "Fertility and Women's Employment in Industrialized Nations." *Annual review of sociology*:271-296.
- Budig, Michelle J. and Paula England. 2001. "The Wage Penalty for Motherhood." *American Sociological Review* 66:204-225.
- Calderón, César and Alberto Chong. 2009. "Labor Market Institutions and Income Inequality: An Empirical Exploration." *Public Choice* 138:65-81.
- Casper, Lynne M., Sara S. McLanahan, and Irwin Garfinkel. 1994. "The Gender-Poverty Gap -What We Can Learn from Other Countries." *American Sociological Review* 59:594-605.
- Christopher, Karen. 2002. "Welfare State Regimes and Mothers' Poverty." *Social Politics* 9:60-86.

- Christopher, Karen, Paula England, Tim M. Smeeding, and K. R. Phillips. 2002. "The Gender Gap in Poverty in Modern Nations: Single Motherhood, the Market, and the State." *Sociological Perspectives* 45:219-242.
- Dallinger, U. 2010. "Public Support for Redistribution: What Explains Cross-National Differences?" *Journal of European social policy* 20:333-349.
- DiPrete, Thomas A. and Patricia A. McManus. 2000. "Family Chance, Employment Transitions, and the Welfare State: Household Income Dynamics in the United States and Germany." *American Sociological Review* 65:343-370.
- DiPrete, Thomas A. . 2002. "Life Course Risks, Mobility Regimes, and Mobility Consequences: A Comparison of Sweden, Germany, and the United States." *American Journal of Sociology* 108:267-309.
- Dittmann, Joerg and Jan Goebel. 2010. "Your House, Your Car, Your Education: The Socioeconomic Situation of the Neighborhood and Its Impact on Life Satisfaction in Germany." *Social Indicators Research* 96:497-513.
- Esping-Andersen, Gøsta 1990. in *The three worlds of welfare capitalism*. Princeton, NJ: Princeton University Press.
- Estevez-Abe, Margarita, Torben Iversen, and David Soskice. 2001. "Social Protection and the Formation of Skills: A Reinterpretation of the Welfare State." *Varieties of capitalism: The institutional foundations of comparative advantage*:145-83.
- Folbre, Nancy. 2001. The Invisible Heart : Economics and Family Values. New York: New Press.
- Garfinkel, Irwin, Lee Rainwater, and Timothy M. Smeeding. 2010. *Wealth and Welfare States : Is America a Laggard or Leader?* Oxford ; New York: Oxford University Press.
- Gustafsson, SS and E. Kenjoh. 2002. "The Role of Education on Postponement of Maternity in Britain, Germany, the Netherlands and Sweden."
- Hook, J. L. 2006. "Care in Context: Men's Unpaid Work in 20 Countries, 1965-2003." *American Sociological Review* 71:639-660.
- Huber, Evelyne, John D. Stephens, David Bradley, Stephanie Moller, and François Nielsen. 2009. "The Politics of Women's Economic Independence." *Social Politics* 16:1-39.
- Iceland, John. 2003. "Why Poverty Remains High: The Role of Income Growth, Economic Inequality, and Changes in Family Structure, 1949-1999." *Demography* 40:499-519.
- Kenworthy, Lane. 1999. "Do Social-Welfare Policies Reduce Poverty? A Cross-National Assessment." *Social Forces* 77:1119-1139.
- -. 2001. "Wage-Setting Measures: A Survey and Assessment." World Politics 54:57-98.
- -. 2003. "Quantitative Indicators of Corporatism." International Journal of Sociology 33:10-44.
- —. 2004. "Egalitarian Capitalism: Jobs, Incomes, and Growth in Affluent Countries." New York, NY: Russell Sage.
- 2006. "Institutional Coherence and Macroeconomic Performance." Socio-Economic Review 4:69-91.
- Kenworthy, Lane and Jonas Pontusson. 2005. "Rising Inequality and the Politics of Redistribution in Affluent Countries." *Perspectives on Politics* 3:449.
- Kondo, Naoki, Ichiro Kawachi, S. V. Subramanian, Yasuhisa Takeda, and Zentaro Yamagata.
   2008. "Do Social Comparisons Explain the Association between Income Inequality and Health?: Relative Deprivation and Perceived Health among Male and Female Japanese Individuals." *Social Science & Comp; Medicine* 67:982-987.

- Lee, C. S. 2005. "Income Inequality, Democracy, and Public Sector Size." *American Sociological Review* 70:158-181.
- Lichter, Daniel T. and Martha L. Crowley. 2004. "Welfare Reform and Child Poverty: Effects of Maternal Employment, Marriage, and Cohabitation." *Social Science Research* 33:385-408.
- Luxembourg Income Study (LIS) Database, <u>http://www.lisdatacenter.org</u> (multiple countries; accessed 2010-2013). Luxembourg: LIS.
- Mahler, V.A. 2008. "Electoral Turnout and Income Redistribution by the State: A Cross-National Analysis of the Developed Democracies." *European journal of political research* 47:161-183.
- McLanahan, Sara S. 2004. "Diverging Destinies: How Children Are Faring under the Second Demographic Transition." *Demography* 41:607-627.
- McLanahan, Sara S. and Christine Percheski. 2008. "Family Structure and the Reproduction of Inequalities." *Annu. Rev. Sociol* 34:257-276.
- Murray, Charles. 1994. Losing Ground: American Social Policy, 1950-1980: Basic books.
- Orloff, Ann S. 1993. "Gender and the Social Rights of Citizenship the Comparative-Analysis of Gender Relations and Welfare States." *American Sociological Review* 58:303-328.
- Pettit, Becky and Jennifer L. Hook. 2005. "The Structure of Women's Employment in Comparative Perspective." *Social Forces* 84:779-801.
- -. 2009. Gendered Tradeoffs: Family, Social Policy, and Economic Inequality in Twenty-One Countries: Russell Sage.
- Pontusson, J., D. Rueda, and C.R. Way. 2002. "Comparative Political Economy of Wage Distribution: The Role of Partisanship and Labour Market Institutions." *British Journal of Political Science* 32:281-308.
- Pronzato, Chiara Daniela. 2009. "Return to Work after Childbirth: Does Parental Leave Matter in Europe." *Review of Economic of the Household* 7:341-360.
- Raudenbush, S. and A. S. Bryk. 2002. in *Hierarchical linear models B2 Hierarchical linear models*, vol. 2nd. Thousand Oaks, CA: Sage Publications.
- Rodríguez-Pose, A. and V. Tselios. 2009. "Education and Income Inequality in the Regions of the European Union\*." *Journal of Regional Science* 49:411-437.
- Sigle-Rushton, W. and J. Waldfogel. 2007. "The Incomes of Families with Children: A Cross-National Comparison." *Journal of European social policy* 17:299-318.
- Smeeding, Timothy M. 2005. "Public Policy, Economic Inequality, and Poverty: The United States in Comparative Perspective\*." *Social Science Quarterly* 86:955-983.
- Solnick, S.J. and D. Hemenway. 1998. "Is More Always Better?: A Survey on Positional Concerns." *Journal of Economic Behavior & Organization* 37:373-383.
- Van der Lippe, T., J. de Ruijter, E. de Ruijter, and W. Raub. 2011. "Persistent Inequalities in Time Use between Men and Women: A Detailed Look at the Influence of Economic Circumstances, Policies, and Culture." *European Sociological Review* 27:164-179.
- Wang, Chen and Koen Caminada. 2011. "Disentangling Income Inequality and the Redistributive Effect of Social Transfers and Taxes in 36 Lis Countries." *Department of Economics Research Memorandum* 2011:1-53.
- Western, Bruce, Deirdre Bloome, and Christine Percheski. 2008. "Inequality among American Families with Children, 1975 to 2005." *American Sociological Review* 73:903-920.

Mon Low Education * Dad High Education * Family Allowances         .006         (.029)           Mon Low Education * Dad Low Education * Family Allowances         .003         (.014)           Mom Low Education * No Dad in Household * Family Allowances         .002         (.017)           Mom High Education * Dad High Education * Public Childcare         .002         (.001)           Mom High Education * Dad Low Education * Public Childcare         .001         (.001)           Mom Low Education * Dad Low Education * Public Childcare         .002         (.001)           Mom Low Education * Dad Low Education * Public Childcare         .000         (.001)           Mom Low Education * Dad High Education * Parental Leave Generosity         .000         (.001)           Mom High Education * Dad Low Education * Parental Leave Generosity         .001         (.001)           Mom High Education * Dad High Education * Parental Leave Generosity         .001         (.001)           Mom Low Education * Dad High Education * Parental Leave Generosity         .001         (.001)           Mom Low Education * Dad Low Education * Parental Leave Generosity         .001         (.001)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.001)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.001)	Appendix C Continued. Hierarchical Linear Regression Predicting Ratio of Hou	isenoid incor	ne to iviedian	
Nom Low Education * To Lade High Education * Framily Allowances        006         (102)           Mom Low Education * * Data Low Education * Framily Allowances        001         (.001)           Mom High Education * No Dad in Household * Family Allowances        001         (.001)           Mom High Education * Dad Low Education * Public ChikIcare        001         (.001)           Mom High Education * No Dad in Household * Public ChikIcare        001         (.001)           Mom Low Education * No Dad in Household * Public ChikIcare         .001         (.001)           Mom Low Education * Dad High Education * Parental Leave Generosity         .000         (.001)           Mom Low Education * Dad In Household * Public ChikIcare         .000         (.001)           Mom High Education * Dad In Household * Parental Leave Generosity         .001         (.001)           Mom High Education * Dad In Household * Parental Leave Generosity         .001         (.001)           Mom Low Education * Dad In Household * Parental Leave Generosity         .001         (.001)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.003)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.003)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.003)	M., T., Fl., '., * D. HT. I. Fl., '., * F., '. All.	Estimate	Std Error	
Moni Low Education * No Jaol In Household * Pamily Albovances        003         (.017)           Moni Low Education * No Jaol In Household * Public Childcare         .001         (.001)           Mom High Education * Dad Low Education * Public Childcare         .001         (.001)           Mom High Education * Dad In Household * Public Childcare         .001         (.001)           Mom High Education * Dad In Household * Public Childcare         .001         (.001)           Mom Low Education * Dad In Household * Public Childcare         .000         (.001)           Mom Low Education * Dad In Household * Public Childcare         .000         (.001)           Mom Low Education * Dad In Household * Public Childcare         .001         (.001)           Mom Low Education * Dad Low Education * Parental Leave Generosity         .001         (.001)           Mom High Education * Dad Low Education * Parental Leave Generosity         .001         (.001)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.000)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.001)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.001)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.001)           Wave 2	Mom Low Education * Dad High Education * Family Allowances	006	(.029)	
Nonline Education * No Data in Protection * Pathic Childcare $002$ $(.001)$ Mom High Education * Dad High Education * Public Childcare $002$ $(.001)$ *Mom High Education * No Dad in Household * Public Childcare $001$ $(.001)$ Mom Low Education * Dab High Education * Public Childcare $002$ $(.001)$ Mom Low Education * No Dad in Household * Public Childcare $002$ $(.001)$ Mom Low Education * No Dad in Household * Public Childcare $002$ $(.001)$ Mom Low Education * Dad High Education * Parental Leave Generosity $000$ $(.001)$ Mom High Education * Dad High Education * Parental Leave Generosity $001$ $(.001)$ Mom High Education * Dad In Household * Parental Leave Generosity $001$ $(.001)$ Mom Low Education * Dad in Household * Parental Leave Generosity $001$ $(.001)$ Mom Low Education * Dad in Household * Parental Leave Generosity $001$ $(.001)$ Mom Low Education * No Dad in Household * Parental Leave Generosity $001$ $(.001)$ Mom Low Education * No Dad in Household * Parental Leave Generosity $001$ $(.001)$ Mom Low Education * No Dad in Household * Parental Leave Generosity $001$ $(.001)$ Mom Low Education * No Dad in Household * Parental Leave Generosity $001$ $(.001)$ Mom Low Education * No Dad in Household * Parental Leave Generosity $001$ $(.001)$ Mom Low Education * No Dad in Household * Parental Leave Generosity $001$ $(.001)$ Mom Fall-Time $012$ $(.010)$ **** $(.010)$ **** <td>Mom Low Education * No Ded in Household * Femily Allowances</td> <td>013</td> <td>(.014)</td>	Mom Low Education * No Ded in Household * Femily Allowances	013	(.014)	
Mom High Education * Dad High Education * Public Childcare.001.001Mom High Education * Dad Low Education * Public Childcare.001.001Mom High Education * Dad High Education * Public Childcare.001.001Mom Low Education * Dad I and Low Education * Public Childcare.001.001Mom Low Education * Dad I and Low Education * Pathic Childcare.000.001Mom Low Education * Dad High Education * Patental Leave Generosity.000.001Mom High Education * Dad High Education * Parental Leave Generosity.001.001Mom High Education * Dad High Education * Parental Leave Generosity.001.001Mom Low Education * Dad High Education * Parental Leave Generosity.001.001Mom Low Education * Dad High Education * Parental Leave Generosity.001.001Mom Low Education * Dad High Education * Parental Leave Generosity.001.001Mom Low Education * Dad I household * Parental Leave Generosity.001.001Mom Low Education * No Dad in Household * Parental Leave Generosity.001.001Wave 2.019.043.003Wave 3.005.0027.003Wave 4.007.003.001Wave 5.008.001.001Wave 6.008.001.001Mom Full-Time.324.010.011Mom Full-Time.344.010.011Mom Full-Time.225.005.002Group Mean - Mom Full-Time.226.103.001Group Mean - Mom Sage </td <td>Moni Low Education · No Dat in Household · Fanniy Allowances</td> <td>002</td> <td>(.017)</td>	Moni Low Education · No Dat in Household · Fanniy Allowances	002	(.017)	
Mom High Education * Dad Low Education * Public Childcare $-002$ $(001)$ Mom High Education * No Dad in Household * Public Childcare $001$ $(001)$ Mom Low Education * Dad Low Education * Public Childcare $002$ $(001)$ Mom Low Education * Dad In Household * Public Childcare $000$ $(001)$ Mom High Education * Dad in Household * Public Childcare $000$ $(001)$ Mom High Education * Dad in Household * Parental Leave Generosity $001$ $(001)$ Mom High Education * Dad High Education * Parental Leave Generosity $001$ $(001)$ Mom Low Education * Dad High Education * Parental Leave Generosity $001$ $(001)$ Mom Low Education * Dad High Education * Parental Leave Generosity $001$ $(001)$ Mom Low Education * Dad In Household * Parental Leave Generosity $001$ $(001)$ Mom Low Education * No Dad in Household * Parental Leave Generosity $001$ $(001)$ Wave 2 $-0.09$ $(.043)$ Wave 3 $000$ $(027)$ Wave 3 $.000$ $(027)$ $$	Mom High Education * Dad High Education * Public Childcare	.001	(.001)	
Mom High Education * No Dad in Household * Public Childcare.001(.001)Mom Low Education * Dad Low Education * Public Childcare.002(.001)Mom Low Education * No Dad in Household * Public Childcare.000(.001)Mom High Education * No Dad in Household * Public Childcare.000(.001)Mom High Education * Dad Low Education * Parental Leave Generosity.000(.001)Mom High Education * Dad High Education * Parental Leave Generosity.001(.001)Mom High Education * Dad in Household * Parental Leave Generosity.001(.001)Mom Low Education * Dad in Household * Parental Leave Generosity.001(.001)Mom Low Education * Dad in Household * Parental Leave Generosity.001(.001)Mom Low Education * No Dad in Household * Parental Leave Generosity.001(.001)Mom Low Education * No Dad in Household * Parental Leave Generosity.001(.001)Wave 2.019(.043)Wave 3.000(.001)Wave 4.017(.030)Wave 5.005(.027)Wave 6 is Excluded CategoryMom Sage.018(.001) ***Mom Part-Time.128(.001) ***Other Employed Aduts in Household.344(.016) ***Group Mean - Mom Sage.034(.016) ***Group Mean - Mom Part-Time.229(.165) *Group Mean - Mom Part-Time.229(.166) *Group Mean - Mom Sage.000(.002)Unemployment Rate.007(.004)Dad's	Mom High Education * Dad Low Education * Public Childcare	002	(.001) *	
Mom Low Education * Dad High Education * Public Childcare.001(.001)Mom Low Education * Dad Low Education * Public Childcare.000(.001)Mom High Education * Dad High Education * Parental Leave Generosity.000(.001)Mom High Education * Dad Low Education * Parental Leave Generosity.001(.001)Mom High Education * No Dad in Household * Parental Leave Generosity.001(.001)Mom High Education * No Dad in Household * Parental Leave Generosity.001(.001)Mom Low Education * Parental Leave Generosity.001(.001)Wave 2.015.001(.001)Wave 3.010(.034)Wave 4.017(.030)Wave 5.005(.027)Wave 6 is Excluded CategoryMom Fall-Time.314(.016) ***Other Employed Adults in Household.344(.016) ***Group Mean - Mom Yage.001.001Group Mean - Mom Yage.004.000Group Mean - Mom Yage.005.002Unemployment Rate.007.004Dad's Education * Yauhi Allowances <t< td=""><td>Mom High Education * No Dad in Household * Public Childcare</td><td>001</td><td>(.001)</td></t<>	Mom High Education * No Dad in Household * Public Childcare	001	(.001)	
Mom Low Education * Dad High Education * Public Childcare0.010.0010.001Mom Low Education * No Dad in Household * Public Childcare0.000(.001)Mom High Education * Dad Low Education * Parental Leave Generosity0.03(.001)Mom High Education * Dad Low Education * Parental Leave Generosity0.03(.001)Mom High Education * No Dad in Household * Parental Leave Generosity0.01(.001)Mom Low Education * Dad Low Education * Parental Leave Generosity0.01(.001)Mom Low Education * Dad in Household * Parental Leave Generosity0.01(.001)Mom Low Education * Dad in Household * Parental Leave Generosity0.01(.001)Mom Low Education * No Dad in Household * Parental Leave Generosity0.01(.001)Mom Low Education * No Dad in Household * Parental Leave Generosity0.01(.001)Mow Education * No Dad in Household * Parental Leave Generosity0.01(.001)Mow Education * No Dad in Household * Parental Leave Generosity0.01(.001)Mow Education * No Dad in Household * Parental Leave Generosity0.01(.001)Wave 2-0.019(.043)(.001)(.001)Wave 30.10(.034)(.034)(.034)Wave 40.017(.030)(.001)***Mom Full-Time.005(.027)(.027)Wave 6 is Excluded CategoryMom Full-Time.128(.010) ***Mom Part-Time.226(.105) *Group Mean - Mom Part-Time.226(.105) *<			<i>/</i>	
Mom Low Education * Dad Low Education * Public Childcare       .002       (.001) **         Mom Low Education * No Dad in Household * Public Childcare       .000       (.001)         Mom High Education * Dad High Education * Parental Leave Generosity       .000       (.001)         Mom High Education * No Dad in Household * Parental Leave Generosity       .001       (.001)         Mom High Education * No Dad in Household * Parental Leave Generosity       .001       (.001)         Mom Low Education * Dad In Household * Parental Leave Generosity       .001       (.001)         Mom Low Education * Dad in Household * Parental Leave Generosity       .001       (.001)         Mom Low Education * No Dad in Household * Parental Leave Generosity       .001       (.001)         Mom Low Education * No Dad in Household * Parental Leave Generosity       .001       (.001)         Mom Low Education * No Dad in Household * Parental Leave Generosity       .001       (.001)         Wave 3       .010       (.031)       .001       (.001)         Wave 4       .017       (.030)       .034       .034       .034         Wave 5       .005       (.027)            Mom Fartine       .128       (.001) ***           Mom Part-Time      279 <td>Mom Low Education * Dad High Education * Public Childcare</td> <td>.001</td> <td>(.001)</td>	Mom Low Education * Dad High Education * Public Childcare	.001	(.001)	
Mom Low Education * No Dad in Household * Public Childcare.000(.001)Mom High Education * Dad Low Education * Parental Leave Generosity.001.001****Mom High Education * No Dad in Household * Parental Leave Generosity.001.001****Mom Low Education * Dav Education * Parental Leave Generosity.001.001.001Mom Low Education * Dave High Education * Parental Leave Generosity.001.000.000Mom Low Education * No Dad in Household * Parental Leave Generosity.001.001.001Mom Low Education * No Dad in Household * Parental Leave Generosity.001.001.001Wave 2.019.003.003.001.001Wave 3.010.003.001.003.001Wave 4.017.030.034.001.034Wave 5.005.027Mom Full-Time.314.016Mom Full-Time.314.016Mom Full-Time.226Group Mean - Mom Part-TimeGroup Mean - Mom Part-TimeGroup Mean - Mom SageGroup Mean - Mom SateDad's Education * Family AllowancesF=12.06Dad's Education * Fam	Mom Low Education * Dad Low Education * Public Childcare	.002	(.001) **	
Mom High Education * Dad High Education * Parental Leave Generosity       .000       (.001)         Mom High Education * Dad Low Education * Parental Leave Generosity       .001       (.001)         Mom High Education * Dad in Household * Parental Leave Generosity       .001       (.001)         Mom Low Education * Dad Low Education * Parental Leave Generosity       .001       (.001)         Mom Low Education * Dad in Household * Parental Leave Generosity       .001       (.001)         Mom Low Education * No Dad in Household * Parental Leave Generosity       .001       (.001)         Control Variables       .000       (.034)         Wave 2       .010       (.034)         Wave 3       .010       (.034)         Wave 4       .017       (.030)         Wave 5       .005       (.027)         Wave 6       .018       (.001) ***         Mom Farine       .314       (.016) ***         Mom Parine       .218       (.010) ***         Mom Parine       .226       (.101) *         Group Mean - Mom Full-Time       .250       (.105) *         Group Mean - Mom Part-Time       .279       (.176)         Group Mean - Mom Yage       .004       .007         Group Mean - Mom Yage       .000       .002	Mom Low Education * No Dad in Household * Public Childcare	.000	(.001)	
Mom High Education * Dad Low Education * Parental Leave Generosity       .003       (.001) ****         Mom High Education * No Dad in Household * Parental Leave Generosity       .001       (.001)         Mom Low Education * Dad Low Education * Parental Leave Generosity       .001       (.001)         Mom Low Education * Dad Low Education * Parental Leave Generosity       .001       (.001)         Mom Low Education * No Dad in Household * Parental Leave Generosity       .001       (.001)         Control Variables       -       .019       (.043)         Wave 2       .010       (.030)       Wave 3       .010       (.034)         Wave 4       .017       (.030)       Wave 5       .005       (.027)         Wave 5       .008       .001       (.001) ***          Mom Full-Time       .314       (.016) ***          Mom Part-Time       .228       (.010) ***          Group Mean - Mom Full-Time             Group Mean - Mom Full-Time              Group Mean - Mom Full-Time              Group Mean - Mom S Age	Mom High Education * Dad High Education * Parental Leave Generosity	.000	(.001)	
Mom High Education * No Dad in Household * Parental Leave Generosity         .001         (.001)           Mom Low Education * Dad Low Education * Parental Leave Generosity         .001         (.001)           Mom Low Education * Dad Low Education * Parental Leave Generosity         .001         (.001)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.001)           Control Variables         .019         (.043)           Wave 2         .019         (.043)           Wave 3         .010         (.034)           Wave 4         .017         (.030)           Wave 5         .005         (.027)           Wave 6 is Excluded Category         -         -           Mom Sage         .018         (.001) ***           Mom Full-Time         .128         (.010) ***           Mom Full-Time         .228         (.010) ***           Group Mean - Mom Full-Time         .226         (.101) *           Group Mean - Mom Part-Time         .229         (.105) *           GDP Per Capita         .000         (.002)           Uhemployment Rate         .007         (.004)           PA'Est for Cross-Level Interactions         F=1.91***           Dad's Education * Panily Allowances         F=	Mom High Education * Dad Low Education * Parental Leave Generosity	.003	(.001) ***	
Mom Low Education * Dad High Education * Parental Leave Generosity.001(.001)Mom Low Education * No Dad in Household * Parental Leave Generosity.001(.001)Control Variables.001(.003)Wave 2.019(.043)Wave 3.010(.034)Wave 4.017(.030)Wave 5.005(.027)Wave 6 is Excluded CategoryMom Full-Time.314(.010) ***Mom Full-Time.314(.010) ***Group Mean - Mom Full-Time.228(.010) ***Group Mean - Mom Part-Time.228(.010) ***Group Mean - Mom Part-Time.229(.176)Group Mean - Mom Part-Time.229(.106) *Group Mean - Mom Part-Time.000(.002)Uhempkyment Rate.007(.004) <b>Frest for Cross-Level Interactions</b> Dad's Education * Yange CoordinationF=11.91***Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Parental Leave GenerosityF=1.54Dad's Education * Parental Leave GenerosityF=1.54Dad's Education * Parental Leave GenerosityF=1.54Dad's Education * Mom's Education * Mage CoordinationF=2.35*Dad's Education * Mom's Education * Parental Leave GenerosityF=1.54Dad's	Mom High Education * No Dad in Household * Parental Leave Generosity	.001	(.001)	
Mont Low Education * Data Fight Ducation * Parental Leave Generosity        001         (.000)           Mom Low Education * No Dad in Household * Parental Leave Generosity        001         (.000)           Control Variables        019         (.043)           Wave 2        019         (.043)           Wave 3         .010         (.034)           Wave 4         .017         (.030)           Wave 5        005         (.027)           Wave 6         .001         (.034)           Wave 5         .005         (.027)           Wave 6         .017         (.030)           Wave 5         .005         (.027)           Wave 6         .018         (.001) ***           Mom Full-Time         .314         (.016) ***           Mone Part-Time         .228         (.010) ***           Other Employed Adults in Household         .344         (.016) **           Group Mean Mom Full-Time         .2261         (.101) *           Group Mean Mom Full-Time         .2250         (.105) *           GDP Per Capita         .000         (.002)         Unemployment Rate           Dad's Education * Wage Coordination         F=11.91***         Dad's Education * Mage Coordination	Mom Low Education * Dad High Education * Departs House Community	001	( 001)	
Nom Low Education * Data Low Education * Partential Leave Generosity        001         (.001)           Mom Low Education * No Dad in Household * Parental Leave Generosity         .001         (.001)           Control Variables         .001         (.003)           Wave 2        019         (.043)           Wave 3         .001         (.034)           Wave 4         .017         (.030)           Wave 5         .005         (.027)           Wave 6 is Excluded Category	Mom Low Education * Dad High Education * Parental Leave Generosity	.001	(.001)	
Monit Low Education * No Data in Household * Parential Leave Generosity       .001       (.001)         Control Variables      019       (.043)         Wave 2       .010       (.034)         Wave 3       .010       (.030)         Wave 4       .017       (.030)         Wave 5      005       (.027)         Wave 6 is Excluded Category           Mom Full-Time       .314       (.016) ***         Moom Part-Time       .128       (.010) ***         Ortup Mean Mom Full-Time       .226       (.101) *         Group Mean Mom Full-Time       .261       (.101) *         Group Mean Mom Part-Time       .250       (.105) *         Group Mean Morn's Age       .034       (.061) ***         Group Mean Morn's Age       .000       (.002)         Unempkyment Rate       .007       (.004)         Fests for Cross-Level Interactions         Dad's Education * Wage Coordination       F=11.91***         Dad's Education * Parental Leave Generosity       F=15.49****         Mom's Education * Parental Leave Generosity       F=1.54         Dad's Education * Parental Leave Generosity       F=1.54         Dad's Education * Nom's Education * Wage Coordinatio	More Low Education * Dad Low Education * Parental Leave Generosity	001	(.000)	
Control Variables         Wave 2      019       (.043)         Wave 3       .010       (.034)         Wave 4       .017       (.030)         Wave 5      005       (.027)         Wave 6 is Excluded Category           Mom's Age       .018       (.001) ***         Mom Full-Time      128       (.010) ***         Mom Part-Time      128       (.010) ***         Group Mean Mom Full-Time      261       (.101) *         Group Mean Mom Full-Time      261       (.105) *         Group Mean Mom Sage      034       (.016) ***         Group Mean Mom's Age      034       (.016) *         Group Mean Mom's Age      034       (.016) *         Group Mean Mom's Age      034       (.0016) *         Group Mean Mom's Age      007       (.004)         Umemboynent Rate      007       (.004)         Education * Nage Coordination       F=11.91***         Dad's Education * Parental Leave Generosity       F=15.49****         Mom's Education * Parental Leave Generosity       F=1.54         Dad's Education * Parental Leave Generosity       F=1.54         Dad's Education * Parental Leave	Mom Low Education * No Dad in Household * Parental Leave Generosity	.001	(.001)	
Wave 2      019       (.043)         Wave 3       .010       (.034)         Wave 4       .017       (.030)         Wave 5      005       (.027)         Wave 6 is Excluded Category       -       -         Mom's Age       .018       (.001) ***         Mom Part-Time       .314       (.016) ***         Mom Part-Time       .324       (.010) ***         Group Mean Mom Full-Time       .261       (.101) *         Group Mean Mom Part-Time       .261       (.101) *         Group Mean Mom's Age       .034       (.016) *         Group Mean Mom's Age       .034       (.016) *         Group Mean Mom's Age       .000       (.002)         Unemployment Rate       .007       (.004)         Dad's Education * Wage Coordination       F=11.91***         Dad's Education * Parental Leave Generosity       F=15.49***         Mom's Education * Parental Leave Generosity       F=15.49***         Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Nom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Wage Coordination       F=1.	Control Variables			
Wave 3       .010       (.034)         Wave 4       .017       (.030)         Wave 5       .005       (.027)         Wave 6 is Excluded Category           Mom's Age       .018       (.001) ****         Mom Full-Time       .314       (.016) ****         Mom Part-Time       .128       (.010) ***         Other Employed Adults in Household       .344       (.014) ***         Group Mean Mom Full-Time      261       (.101) *         Group Mean Mom Sage       .034       (.016) ***         Group Mean Mom's Age       .034       (.016) *         Group Mean Mom's Age       .000       (.002)         Unemployment Rate       .007       (.004) <b>F-Tests for Cross-Level Interactions</b> .007       (.004)         Dad's Education * Wage Coordination       F=11.91***       Dad's Education * Ramily Allowances         Dad's Education * Parental Leave Generosity       F=15.49***       .007       .004         Mom's Education * Parental Leave Generosity       F=1.53       .005       .007       .004       .007       .007       .004       .007       .004       .007       .004       .007       .004       .007       .004 <t< td=""><td>Wave 2</td><td>019</td><td>(.043)</td></t<>	Wave 2	019	(.043)	
Wave 4       .017       (.030)         Wave 5       .005       (.027)         Wave 6 is Excluded Category       -       -         Mom's Age       .018       (.001) ****         Mom Full-Time       .314       (.016) ****         Mom Part-Time       .128       (.010) ****         Other Employed Adults in Household       .344       (.014) ****         Group Mean Mom Full-Time       .261       (.101) *         Group Mean Mom's Age       .034       (.016) *         Group Mean Mom's Age       .034       (.015) *         Group Mean Other Employed Adults in Household       .250       (.105) *         GDP Per Capita       .000       (.002)       Unemployment Rate         Dad's Education * Wage Coordination       F= 11.91***       Dad's Education * Public Child Care         Pad's Education * Parental Leave Generosity       F=12.36^A       Dad's Education * Wage Coordination         F= 2.36^A       Dad's Education * Parental Leave Generosity       F=1.54.9***         Mom's Education * Parental Leave Generosity       F=1.54.9***       F=1.54         Dad's Education * Nom's Education * Mage Coordination       F=1.54       Dad's Education * Mom's Education * Mage Coordination         F=1.52       Mom's Education * Mom's Education *	Wave 3	.010	(.034)	
Wave 5      005       (.027)         Wave 6 is Excluded Category           Mom's Age       .018       (.001) ****         Mom Full-Time       .128       (.010) ****         Other Employed Adults in Household       .344       (.014) ****         Group Mean Mom Full-Time      261       (.101) *         Group Mean Mom Part-Time      261       (.101) *         Group Mean Mom's Age       .034       (.016) *         Group Mean Other Employed Adults in Household       .250       (.105) *         GDP Per Capita       .000       (.002)         Unemployment Rate       .007       (.004)         F-tests for Cross-Level Interactions         Dad's Education * Wage Coordination       F= 11.91***         Dad's Education * Public Child Care       F=20.40***         Dad's Education * Parental Leave Generosity       F=1.54.49***         Mom's Education * Parental Leave Generosity       F=1.54.49***         Mom's Education * Parental Leave Generosity       F=1.54         Dad's Education * Parental Leave Generosity       F=1.58         Dad's Education * Mom's Education * Mage Coordination       F=1.58         Dad's Education * Mom's Education * Parental Leave Generosity       F=1.58 <t< td=""><td>Wave 4</td><td>.017</td><td>(.030)</td></t<>	Wave 4	.017	(.030)	
Wave 6 is Excluded Category           Mom's Age       .018       (.001) ***         Mom Pull-Time       .314       (.016) ***         Mom Part-Time       .128       (.010) ***         Group Mean Mom Full-Time      261       (.101) *         Group Mean Mom Part-Time      279       (.176)         Group Mean Mom's Age       .034       (.016) *         Group Mean Other Employed Adults in Household       .250       (.105) *         GDP Per Capita       .000       (.002)         Unemployment Rate       .007       (.004)         Parts for Cross-Level Interactions       F=11.91***         Dad's Education * Wage Coordination       F=11.91***         Dad's Education * Parental Leave Generosity       F=15.4         Dad's Education * Ramily Allowances       F=2.36^         Mom's Education * Parental Leave Generosity       F=1.54         Dad's Education * Parental Leave Generosity       F=1.54         Dad's Education * Nom's Education * Wage Coordination       F=1.54         Dad's Education * Nom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Parental Leave Generosity       F=1.54         Dad's Education * Mom's Education * Parental Leave Generosity       F=1.54	Wave 5	005	(.027)	
Mom's Age       .018       (.001) ***         Mom Full-Time       .314       (.016) ***         Mom Part-Time       .128       (.010) ***         Other Employed Adults in Household       .344       (.014) ***         Group Mean Mom Full-Time       .261       (.101) *         Group Mean Mom Part-Time       .279       (.176)         Group Mean Other Employed Adults in Household       .250       (.105) *         GDP Per Capita       .000       (.002)         Unemployment Rate       .007       (.004)         Partst for Cross-Level Interactions       F=11.91***         Dad's Education * Wage Coordination       F=11.91***         Dad's Education * Parental Leave Generosity       F=15.49***         Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Public Child Care       F=2.5^         Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Mom's Education * Wage Coordination       F=1.58         Dad's Education * Mom's Education * Wage Coordination       F=1.58         Dad's Education * Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Mom's Education * Parental Leave Gener	Wave 6 is Excluded Category			
Mom Full-Time.314(.016) ***Mom Part-Time.128(.010) ***Other Employed Adults in Household.344(.014) ***Group Mean Mom Full-Time.261(.101) *Group Mean Mom Part-Time.279(.176)Group Mean Other Employed Adults in Household.250(.105) *GDP Per Capita.000(.002)Unemployment Rate.007(.004)F-tests for Cross-Level InteractionsDad's Education * Wage CoordinationF=1.91***Dad's Education * Family AllowancesF=2.36^Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Wage CoordinationF=2.06Mom's Education * Parental Leave GenerosityF=1.58Mom's Education * Parental Leave GenerosityF=1.58Dad's Education * Nom's Education * Wage CoordinationF=1.58Dad's Education * Nom's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67*** <td>Mom's Age</td> <td>.018</td> <td>(.001) ***</td>	Mom's Age	.018	(.001) ***	
Mom Part-Time.128(.010) ***Other Employed Adults in Household.344(.014) ***Group Mean Mom Full-Time261(.101) *Group Mean Mom Part-Time279(.176)Group Mean Mom's Age.034(.016) *Group Mean Other Employed Adults in Household.250(.105) *GDP Per Capita.000(.002)Unemployment Rate.007Unemployment Rate.007(.004).F-Tests for Cross-Level InteractionsF=11.91***Dad's Education * Wage CoordinationF=11.91***Dad's Education * Panily AllowancesF=2.36^Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Parental Leave GenerosityF=1.54Mom's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Wage CoordinationF=2.35^Mom's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Parental Leave GenerosityF=3.53***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Random Effects.003(.001) ***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Dad's Education * Dad's Education * Parental Leave GenerosityF=4.67***Mom's Education * Mom's Education * Parental Leave GenerosityF=4.	Mom Full-Time	.314	(.016) ***	
Other Employed Adults in Household.344(.014) ****Group Mean Mom Full-Time261(.101) *Group Mean Mom's Age.034(.016) *Group Mean Other Employed Adults in Household.250(.105) *GDP Per Capita.000(.002)Unemployment Rate.007(.004)F-tests for Cross-Level InteractionsDad's Education * Wage CoordinationF=11.91***Dad's Education * Parental Leave GenerosityF=2.36^Dad's Education * Parental Leave GenerosityF=2.06Mom's Education * Public Child CareF=2.5Mom's Education * Parental Leave GenerosityF=1.58Dad's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Family AllowancesF=2.35*Dad's Education * Mom's Education * Family AllowancesF=2.35*Dad's Education * Mom's Education * Public Child CareF=1.54Dad's Education * Mom's Education * Family AllowancesF=2.35*Dad's Education * Mom's Education * Family AllowancesF=2.53*Dad's Education * Mom's Education * Family AllowancesF=2.53**Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Random Effects.003(.001) ***Mom's Education * Mom's Education * Parental Leave GenerosityF=4.67***Mom's Education * Mom's Education * Parental Leave GenerosityF=4.67***Mom's Education * Mom's Education * Parental Leave GenerosityF=4.67***Mom's Education * Mom's Education * Parental Leave GenerosityF=4.67***<	Mom Part-Time	.128	(.010) ***	
Group Mean Mom Full-Time261(.101) *Group Mean Mom Part-Time279(.176)Group Mean Mom's Age.034(.016) *Group Mean Other Employed Adults in Household.250(.105) *GDP Per Capita.000(.002)Unemployment Rate.007(.004)F-Tests for Cross-Level InteractionsDad's Education * Wage CoordinationF=11.91***Dad's Education * Family AllowancesF=2.36^Dad's Education * Public Child CareF=20.40***Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Public Child CareF=2.5^Mom's Education * Public Child CareF=1.10Mom's Education * Public Child CareF=1.58Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Pamily AllowancesF=2.35*Dad's Education * Mom's Education * Pamily AllowancesF=2.35*Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Candom EffectsIntercept.003.001Mom's Education * Dad's Education.003.000Mom's Education * Dad's Education.003.000Mom's Education * Dad's Education.003.000Mom's Education * Dad's Education.003.000Mom's Education * Dad's Education.003.000<	Other Employed Adults in Household	.344	(.014) ***	
Group Mean Mom Part-Time279(.176)Group Mean Mom's Age.034(.016) *Group Mean Other Employed Adults in Household.250(.105) *GDP Per Capita.000(.002)Unemployment Rate.007(.004)F-Tests for Cross-Level InteractionsDad's Education * Wage CoordinationF=11.91***Dad's Education * Family AllowancesF=2.36^Dad's Education * Public Child CareF=20.40***Dad's Education * Wage CoordinationF=2.06Mom's Education * Wage CoordinationF=2.06Mom's Education * Public Child CareF=1.10Mom's Education * Public Child CareF=1.10Mom's Education * Public Child CareF=1.54Dad's Education * Public Child CareF=1.58Dad's Education * Parental Leave GenerosityF=1.58Dad's Education * Public Child CareF=2.35*Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Random EffectsIntercept.003.001Mom's Education * Dad's Education.003.000Mom's Education * Dad's Education.003.000Mom's Education * Dad's Education.003.000Mom's Education * Dad's Education.001.000Mom's Education * Dad's Education.003<	Group Mean Mom Full-Time	261	(.101) *	
Group Mean Mom's Age.034(.016) *Group Mean Other Employed Adults in Household.250(.105) *GDP Per Capita.000(.002)Unemployment Rate.007(.004)F-Tests for Cross-Level InteractionsDad's Education * Wage CoordinationF=11.91***Dad's Education * Family AllowancesF=2.36^Dad's Education * Public Child CareF=20.40***Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Paulic Child CareF=2.06Mom's Education * Parental Leave GenerosityF=1.58Dad's Education * Parental Leave GenerosityF=1.58Dad's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Pamily AllowancesF=2.35*Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Carlow Effects.003(.001) ***Intercept.003(.001) ***Mom's Education * Dad's Education.003(.000) ****Mom's Education	Group Mean Mom Part-Time	279	(.176)	
Group Mean Other Employed Adults in Household.250 $(.105) *$ GDP Per Capita.000 $(.002)$ Unemployment Rate.007 $(.004)$ F-Tests for Cross-Level InteractionsDad's Education * Wage CoordinationF=11.91***Dad's Education * Family AllowancesF=2.36^Dad's Education * Public Child CareF=2.040***Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Wage CoordinationF=2.06Mom's Education * Parental Leave GenerosityF=1.54Mom's Education * Parental Leave GenerosityF=1.58Dad's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Wage CoordinationF=1.58Dad's Education * Mom's Education * Family AllowancesF=2.35*Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Particle Education * Mom's Education * Parental Leave GenerosityF=4.67***Pad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Pad's Education * Mom's Education * Parental Leave GenerosityF=4.67*** <td cols<="" td=""><td>Group Mean Mom's Age</td><td>.034</td><td>(.016) *</td></td>	<td>Group Mean Mom's Age</td> <td>.034</td> <td>(.016) *</td>	Group Mean Mom's Age	.034	(.016) *
GDP Per Capita.000(.002)Unemployment Rate.007(.004)F-Tests for Cross-Level InteractionsDad's Education * Wage CoordinationF=11.91***Dad's Education * Family AllowancesF=2.36^Dad's Education * Public Child CareF=20.40***Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Wage CoordinationF=2.06Mom's Education * Family AllowancesF=2.5^Mom's Education * Public Child CareF=1.10Mom's Education * Parental Leave GenerosityF=1.58Dad's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Parental Leave GenerosityF=1.53***Dad's Education * Mom's Education * Parental Leave GenerosityF=2.35*Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Random Effects.003(.001) ***Intercept.003(.001) ***Dad's Education * Dad's Education.001.000Mom's Education * Dad's Education.001(.000) ***Mom's Education * Dad's Education.001(.000) ***	Group Mean Other Employed Adults in Household	.250	(.105) *	
Unemployment Rate.007(.004)F-Tests for Cross-Level InteractionsDad's Education * Wage CoordinationF=11.91***Dad's Education * Family AllowancesF=2.36^Dad's Education * Public Child CareF=20.40***Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Wage CoordinationF=2.06Mom's Education * Family AllowancesF=2.5^Mom's Education * Public Child CareF=1.10Mom's Education * Parental Leave GenerosityF=1.58Dad's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Parental Leave GenerosityF=1.53***Dad's Education * Mom's Education * Public Child CareF=5.53***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Random Effects.003(.001) ***Intercept.003(.001) ***Mom's Education * Dad's Education.001.003Mom's Education * Dad's Education.001.001Mom's Education * Dad's Education.001.00	GDP Per Capita	.000	(.002)	
F-Tests for Cross-Level Interactions         Dad's Education * Wage Coordination       F= 11.91***         Dad's Education * Family Allowances       F=2.36^         Dad's Education * Public Child Care       F=20.40***         Dad's Education * Parental Leave Generosity       F=15.49***         Mom's Education * Wage Coordination       F= 2.06         Mom's Education * Family Allowances       F=2.5^         Mom's Education * Public Child Care       F=1.10         Mom's Education * Public Child Care       F=1.58         Dad's Education * Nom's Education * Wage Coordination       F= 1.54         Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Mom's Education * Wage Coordination       F= 1.54         Dad's Education * Mom's Education * Family Allowances       F=2.35*         Dad's Education * Mom's Education * Public Child Care       F=5.53***         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects       .003 (.001) ***         Intercept       .003 (.001) ***         Dad's Education * Dad's Education       .003 (.000) ****         Dad's Education * Dad's Education       .001 (.000) ****	Unemployment Rate	.007	(.004)	
Press of close-tever interactions         Dad's Education * Wage Coordination       F=11.91***         Dad's Education * Family Allowances       F=2.36^         Dad's Education * Public Child Care       F=20.40***         Dad's Education * Parental Leave Generosity       F=15.49***         Mom's Education * Vage Coordination       F=2.06         Mom's Education * Family Allowances       F=2.06         Mom's Education * Family Allowances       F=1.10         Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Parental Leave Generosity       F=1.58         Dad's Education * Mom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Family Allowances       F=2.35*         Dad's Education * Mom's Education * Public Child Care       F=5.53***         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects         Intercept       .003       (.001) ***         Dad's Education * Dad's Education       .003       (.001) ***         Dad's Education * Dad's Education       .001       (.000) ****	E Tasts for Cross Loval Interactions			
Dad's EducationWage CoordinationF=1.31Dad's Education * Family AllowancesF=2.36^Dad's Education * Public Child CareF=20.40***Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Family AllowancesF=2.06Mom's Education * Family AllowancesF=2.5^Mom's Education * Parental Leave GenerosityF=1.10Mom's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Wage CoordinationF= 1.54Dad's Education * Mom's Education * Family AllowancesF=2.35*Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Random EffectsIntercept.003.003(.001) ***Dad's Education * Dad's Education.003.001.000.001.000.001.001.001.001.001.001.001.001	Dad's Education * Wage Coordination	E- 11	01***	
Dad's Education * Public Child CareF=20.00Dad's Education * Parental Leave GenerosityF=15.49***Mom's Education * Wage CoordinationF=2.06Mom's Education * Family AllowancesF=2.5^Mom's Education * Public Child CareF=1.10Mom's Education * Parental Leave GenerosityF=1.58Dad's Education * Mom's Education * Wage CoordinationF=1.58Dad's Education * Mom's Education * Wage CoordinationF=1.54Dad's Education * Mom's Education * Family AllowancesF=2.35*Dad's Education * Mom's Education * Public Child CareF=5.53***Dad's Education * Mom's Education * Parental Leave GenerosityF=4.67***Random EffectsIntercept.003.003(.001) ***Dad's Education * Dad's Education.003.001.000.001.000.001	Dad's Education * Eamily Allowances	F= 11.	51	
Dad's Education * Parental Leave Generosity       F=15.49***         Mom's Education * Wage Coordination       F=2.06         Mom's Education * Family Allowances       F=2.5^         Mom's Education * Parental Leave Generosity       F=1.10         Mom's Education * Parental Leave Generosity       F=1.10         Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Mom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Family Allowances       F=2.35*         Dad's Education * Mom's Education * Public Child Care       F=5.53***         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects         Intercept       .003       (.001) ***         Dad's Education * Dad's Education       .003       (.000) ***         Mom's Education * Dad's Education       .001       (.000) ***	Dad's Education * Public Child Care	F=20 /	, IU***	
Data Structure Function Participation       F=2.50         Mom's Education * Wage Coordination       F=2.06         Mom's Education * Family Allowances       F=2.5^         Mom's Education * Public Child Care       F=1.10         Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Mom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Family Allowances       F=2.35*         Dad's Education * Mom's Education * Public Child Care       F=5.53****         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects         Intercept       .003       (.001) ***         Dad's Education * Dad's Education       .003       (.001) ***         Dad's Education       .003       (.000) ***         Mom's Education * Dad's Education       .001       .000	Dad's Education * Parental Leave Generosity	F=15 /	IQ***	
Mom's Education * Wage Coordination       F=2.00         Mom's Education * Family Allowances       F=2.5^         Mom's Education * Public Child Care       F=1.10         Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Mom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Family Allowances       F=2.35*         Dad's Education * Mom's Education * Public Child Care       F=5.53***         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects         Intercept       .003       (.001) ***         Dad's Education * Dad's Education       .003       (.001) ***         Dad's Education * Dad's Education       .001       (.000) ****	Mom's Education * Wage Coordination	F= 2 0	5	
Mom's Education * Public Child Care       F=1.10         Mom's Education * Parental Leave Generosity       F=1.58         Dad's Education * Nom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Family Allowances       F=2.35*         Dad's Education * Mom's Education * Public Child Care       F=5.53***         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects         Intercept       .003       (.001) ***         Dad's Education * Dad's Education       .004       (.001) ***         Dad's Education * Dad's Education       .003       (.000) ***	Mom's Education * Family Allowances	F=2.0		
Mom's Education * Parental Leave Generosity       F=1.50         Dad's Education * Mom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Family Allowances       F=2.35*         Dad's Education * Mom's Education * Public Child Care       F=5.53***         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects         Intercept       .003       (.001) ***         Dad's Education * Dad's Education       .003       (.001) ***         Pad's Education * Dad's Education       .003       (.000) ***	Mom's Education * Public Child Care	E-1 10	)	
Nom's Education * Mom's Education * Wage Coordination       F=1.50         Dad's Education * Mom's Education * Wage Coordination       F=1.54         Dad's Education * Mom's Education * Family Allowances       F=2.35*         Dad's Education * Mom's Education * Public Child Care       F=5.53***         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects         Intercept       .003       (.001) ***         Dad's Education       .004       (.001) ***         Dad's Education * Dad's Education       .003       (.000) ***	Mom's Education * Parental Leave Generosity	F=1.10	2	
Dad's Education * Mom's Education * Family Allowances       F=2.35*         Dad's Education * Mom's Education * Pamily Allowances       F=2.35*         Dad's Education * Mom's Education * Public Child Care       F=5.53***         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects         Intercept       .003       (.001) ***         Dad's Education * Dad's Education       .003       (.001) ***         Dad's Education * Dad's Education       .001       (.000) ***	Dad's Education * Mom's Education * Wage Coordination	F= 1 5	1	
Dad's Education * Mon's Education * Public Child Care       F=5.53***         Dad's Education * Mom's Education * Parental Leave Generosity       F=4.67***         Random Effects       .003 (.001) **         Intercept       .004 (.001) ***         Dad's Education * Dad's Education       .003 (.000) ***         Pad's Education * Dad's Education       .001 (.000) ***	Dad's Education * Mom's Education * Family Allowances	F=2.3	*	
Dad's Education * Mon's Education * Parental Leave Generosity     F=4.67***       Random Effects     .003     (.001) **       Intercept     .004     (.001) ***       Dad's Education     .003     (.001) ***       Dad's Education     .003     (.000) ***       Dad's Education * Dad's Education     .001     (.000) ***	Dad's Education * Mom's Education * Public Child Care	F=5.53	, !***	
Random Effects         .003         (.001) **           Intercept         .004         (.001) ***           Mom's Education         .004         (.001) ***           Dad's Education         .003         (.000) ***           Mom's Education * Dad's Education         .001         (.000) ***	Dad's Education * Mom's Education * Parental Leave Generosity	F=4.67	, 7***	
Random Effects         .003         (.001) **           Intercept         .004         (.001) ***           Mom's Education         .003         (.000) ***           Dad's Education * Dad's Education         .003         (.000) ***           Mom's Education * Dad's Education         .001         (.000) ***				
Intercept         .003         (.001) **           Mom's Education         .004         (.001) ***           Dad's Education         .003         (.000) ***           Mom's Education * Dad's Education         .001         (.000) ***	Random Effects	000	( 001) **	
Norms Education         .004         (.001) ***           Dad's Education         .003         (.000) ***           Mom's Education * Dad's Education         .001         (.000) ***           Pacidual         .001         (.001) ***	mercept	.003	(.001) **	
Data S Education         .003         (.000) ***           Mom's Education * Dad's Education         .001         (.000) ***           Pacidual         2.589         (.001) ***	IVIOITI S EQUERTION	.004	(.001) ***	
INIGHT'S EQUICATION         .001         (.000) ***           Pacidual         2.000         (.000) ***	Dau S Education	.003	(.000) ***	
, 200 , 10111 ####	NIONIS EQUCATION - DAGIS EQUCATION Recidual	.001 2 E00	(.000) ***	

Note: 198,509 households nested within 68 surveys for 17 countries; \*\*\*p<.001 \*\*p<.01 \*p<.05 +p<.10