



Intra-couple gaps in retirees' financial resources: their extent and predictors across Eastern and Western Germany

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ABSTRACT

Intra-couple disparities in economic resources are often downplayed, yet they substantially affect power dynamics, marital satisfaction, and financial well-being during the marriage and have lasting economic consequences in the event of separation. With the growing privatization of old-age security amidst population aging and welfare cuts, understanding economic intra-couple disparities among retired couples and their life-course drivers is increasingly important. Expanding on research that predominantly focused on either singular economic resources or life-course contexts, we use data from the German Socio-Economic Panel Study (2002–2017) to examine intra-couple gaps in both pension wealth and personal net wealth between older spouses in Eastern ($n = 846$) and Western ($n = 2,331$) Germany. We find pronounced regional disparities: pension wealth gaps of 12% in Eastern and 53% in Western Germany, contrasted with net wealth gaps of 21% and 8%, respectively. Regression analyses reveal that differences in spouses' employment histories primarily account for pension wealth disparities within couples but do not explain net wealth inequalities. This suggests that couples may view net wealth, particularly housing wealth, as a shared asset. Our findings underscore the need for continued monitoring of intra-couple economic inequalities, especially as evolving marital norms and increasing individualization may reshape financial dynamics within marriages.

KEYWORDS Intra-couple inequalities; retirement; wealth; pension; gender; comparative research

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1. Introduction

In the dawn of demographic aging, the economic well-being of retirees and the fiscal sustainability of pension provisions are central concerns faced by most European societies. Pension provisions are subject to increasing marketization and privatization—even in countries with generous social welfare systems, such as Germany. As a result, the relevance to privately invest and accumulate pensions and wealth has grown alongside the emphasis placed on the accumulation of public pension entitlements through continuous employment over the life course (Ebbinghaus, 2015; Seeleib-Kaiser, 2016). Such developments affect particularly women's economic well-being in older ages because of their more disrupted career trajectories and thus lower potential to accumulate pension entitlements or private wealth over the life course compared to men (Blau and Kahn, 2017; Cordova *et al.*, 2022; Lersch *et al.*, 2017). In Germany, the country context of the current study, women hold overall about 30 percent lower wealth and pensions than men (Eurostat, 2023; Sierminska *et al.*, 2018).

Economic gender inequalities are often downplayed, especially for the married, as it is assumed that the couple acts as an economic unit that protects each household member equally well. However, a well-established body of research has highlighted that economic resources are not fully pooled and shared within households, resulting in substantial intra-couple economic inequalities (Bennett, 2013; Joseph and Rowlingson, 2012). Economic inequalities between spouses are critical, as they are associated with power imbalances in partners' financial decision-making and decreased marital satisfaction (e.g., LeBaron-Black *et al.*, 2024). Furthermore, these inequalities may trap the less financially advantaged partner in an unsatisfying relationship. In the case of marital dissolution through separation and divorce, intra-couple economic inequalities often result in significant financial disparities post-dissolution because of a potentially biased and unequal division of resources and premarital differences that are not equalized (e.g., Bessière, 2022; Kapelle and Baxter, 2021). Thus, access to sufficient personal economic resources during the marriage is associated with autonomy and full financial security beyond potentially precarious access to a household's or partner's resources. An accurate reflection of the economic well-being of older married women and men can thus best be achieved by considering the couple's context and spouses' relative resources (e.g., Bennett, 2013).

Despite the relevance of a thorough understanding of intra-couple inequalities in older ages for the well-being of current and future retired women and men, research on this topic is scarce and limited in two relevant ways. *First*, studies focus predominantly on current pension income (e.g., Möhring and Weiland, 2022) as a proxy for economic well-being in retirement. We argue that

it is additionally relevant to scrutinize accumulated resources—pension wealth and personal net wealth—to paint a more comprehensive picture of the gap in spouses' financial resources in retirement (see Nutz and Gritti, 2022, for an exception that focuses on intra-couple wealth in first-time married couples with women aged 55 and older). While pension wealth is defined as the sum of individual annual pensions across the years of life between the current age and the predicted life expectancy, personal net wealth refers to all individual assets less debts, including the personal share of any jointly held assets or debts. Considering both measures is particularly critical because focusing solely on pension wealth may underrepresent individuals with lower coverage by (public) pensions and a higher reliance on private wealth (e.g., self-employed individuals) (Kuhn, 2020). Focusing on both personal wealth and pension wealth allows us to apply a more holistic perspective on the total financial resources an individual has available for their current and future needs and the idea that future benefits are an asset that may contribute to individuals' current financial well-being. *Second*, little is known about how individual and contextual factors contribute to intra-couple inequalities in older age. According to the life-course framework, couple inequalities in older age should be understood as a result of temporal processes that are embedded within the historical, institutional, and family contexts (Bernardi *et al.*, 2019). Exploring which aspects within these dimensions are most relevant to explain inequalities is particularly important for discussions on interventions and potential preventions of such inequalities.

We aim to address these shortcomings in our current understanding of the intra-couple gap in economic resources in retirement by addressing three interconnected research questions: (a) *How are personal financial resources, specifically personal pension wealth and personal net wealth, distributed between retired German spouses?* (b) *Which individual and couple characteristics determine intra-couple inequalities?* And finally, (c) *What can we learn about the role of the context from differences in intra-couple economic inequalities and their determinants between Eastern and Western Germany?* We thus explicitly acknowledge the multidimensionality of economic well-being in retirement that has become increasingly relevant in recent decades, while exploring both individual and contextual explanations for inequalities. To answer these research questions, we draw on longitudinal data from the German Socio-Economic Panel Study (SOEP). Those data are internationally unique in collecting all relevant economic measures fully at the individual level irrespective of respondents' marital status, allowing a detailed analysis of intra-couple inequalities. Because personal wealth information is only available in survey years 2002, 2007, 2012, and 2017, our analyses focus on these years, although we generate relevant information using all survey years and retrospective information.

2. Background

2.1. The gendered accumulation and generation of economic resources

Pensions and wealth

While pensions are a reflection of previous accumulation efforts, pension systems differ in the degree to which pension payments reflect previous labor market achievements: pension systems of the (Anglo-Saxon) Beveridge-type are characterized by a multi-pillar infrastructure where public benefits are mostly detached from income and work histories and serve the goal of poverty prevention. Stratification stems mostly from occupational and private pensions. (Continental) Bismarck-type systems, such as the German pension system (see also section 2.3), are social insurance based, emphasizing life course employment and status maintenance through earnings-related public pension benefits (Leisering, 2003; Leitner, 2001). Occupational and private pensions play a supplementary role within the Bismarck model (Ebbinghaus, 2011).

A conceptual extension of pension income is pension wealth, which represents the sum of current and future pension payments until the prospective end of life. The expanded time horizon of pension wealth provides a more complete picture of a person's economic standing during retirement than (current) pension income and is also able to account for gender- and cohort-specific differences in life expectancy. This is relevant considering women's lower pensions but higher life expectancy compared to men. Since private pension plans are part of the standard net wealth measurement in the SOEP, our measure of pension wealth focuses on public and occupational pensions (see, e.g., Bönke *et al.*, 2019; Cordova *et al.*, 2022, for a similar approach). While participation in the German public pension scheme is (quasi-)mandatory¹ and coverage of occupational pensions depends on the employer, private pensions constitute an individual financial venture. However, the first two pension types do not serve the typical purposes of wealth, as they can neither be liquefied nor be pledged as security for future investments (Cordova *et al.* 2022, p. 757).

Similar to pension wealth, retirees' personal wealth levels are a reflection of previous accumulation processes. First and foremost, labor market earnings are a crucial channel for the accumulation of wealth over the life course. While income may also stem from asset revenue, such as rental income, interest, or dividends, it is savings out of labor market earnings that provides an essential starting point and constant for the accumulation of wealth (e.g. Killewald *et al.* 2017;

¹ Civil servants and self-employed are exempt from mandatory participation in the public pension insurance. While the former are insured in a separate public scheme, the latter may voluntarily choose the public pension insurance or focus on occupational and private schemes.

Spilerman, 2000). Next to savings out of surplus income, financial transfers, including *inter vivos* transfers, inheritances, or other windfall profits, contribute to building wealth. And, finally, wealth can appreciate over time depending on financial market developments and the individual wealth portfolio. Wealth is a stock measure reflecting resources, such as savings in a bank account or private pension funds, that can be used to cover current and future consumption even in the absence of earnings or public pension income. Some wealth components, such as the family home, can also be beneficial without being consumed (Keister, 2000).

Gendered accumulation processes

Although wealth and pensions are two different concepts, gender-specific differences in both measures are driven by women experiencing more disrupted careers in comparison to the male standard of continuous full-time employment across the life course. Normatively regarded as “primary carers,” women are more likely to interrupt their employment, permanently exit the labor market, or engage in (in-)voluntary part-time and marginal employment due to conflict between the spheres of work and family (Ginn and Arber, 2018). Disadvantages from nonstandard employment episodes may cumulate across women’s life courses, decreasing prospects of full-time employment, career advancement, and wages (Aisenbrey *et al.*, 2009; Kelle *et al.*, 2017), as visible in an overrepresentation of men in higher-level and better-paying positions (Arulampalam *et al.*, 2007). In addition to a more disruptive career and associated disadvantages for the overall career progression, women are disadvantaged through the monetary undervaluing of jobs within female-dominated industries, internalized gender roles, and employer discrimination (Blau and Kahn, 2017).

Overall, these differences result in a gendered accumulation of pension entitlements and subsequent inequalities in retirement, particularly in pension systems that emphasize earnings-related benefits, such as in Germany. Not only do women generally exhibit lower retirement incomes than men, but child rearing is especially associated with a substantial motherhood penalty in retirement (e.g., Möhring, 2018). The gendered division of paid and unpaid labor across couples’ life courses further expresses itself in higher individual pensions of unmarried compared to married women (e.g., Sefton *et al.*, 2011), whereas divorced and widowed women may benefit from derived pension entitlements (Kreyenfeld *et al.*, 2022). Lower earnings and nonstandard employment become disadvantages in public pensions and lower coverage and benefits in occupational and private pension schemes (Ginn and Arber, 2018; Yabiku, 2000).

Although gender wealth gaps are particularly driven by the gender pay gap, wealth inequalities are additionally amplified based on the concept that men’s

earnings translate into wealth more efficiently due to the “wealth escalator” (Chang, 2010). Specifically, men’s continuous employment with higher earnings and prestige results in access to additional wealth-building tools, such as bonus payments, company car allowances, health care coverage, profit-sharing programs, pension plans, or tax advantages. Additionally, gender differences in investment behavior and access to different investments have been cited as another potential driver of the gender wealth gap (Sierminska *et al.*, 2018). Some studies have shown that women invest more conservatively with lower returns on investment compared to men (Austen *et al.*, 2014). While some claim that this is due to women’s higher risk aversion or lower financial literacy (e.g., Bajtelsmit and Bernasek, 1996; Lusardi and Mitchell, 2008), others have illustrated that women also face structural constraints, such as in accessing credit or mortgages (Ladd, 1998).

Finally, gender wealth gaps may emerge through gendered intergenerational transfers, where family wealth planning often endorses men’s normative entitlement to relevant assets, such as property or businesses (Bessière, 2022). Although discrimination between heirs based on gender is legally prohibited, *inter vivos* transfers in particular are not subject to legal restrictions. For Germany, research highlights that men compared to women have a higher likelihood of *inter vivos* transfers, receive higher transfers, and are more likely to be gifted housing property (Leopold and Schneider, 2011). However, results for other countries, such as Sweden or the United States, contradict the German findings (Loxton, 2019; Nordblom and Ohlsson, 2011).

2.2. Economic intra-couple inequalities

These economic gender differences within the population are inherently linked to dynamic processes and inequalities within heterosexual couples. First and foremost, spouses’ unequal division of paid and unpaid labor, including caregiving tasks, paves the way for gendered employment histories (Krüger and Levy, 2001). Here, new household economics and bargaining approaches explain the intra-couple division of labor against the background of spouses’ relative distribution of human capital in terms of expected market earnings, whereas cultural approaches emphasize gender role norms enforcing women’s role as main providers of unpaid and care work (e.g., Becker, 1985; Blood and Wolfe, 1960; Kühhirt, 2012; Mandel *et al.*, 2020). Couples are additionally embedded in an institutional context (dis-)favoring certain arrangements (e.g., through tax incentives, long parental leave options—particularly for mothers—or a lack of professional and affordable childcare options; see Boeckmann *et al.*, 2015). Further, mating preferences foster intra-couple inequalities beyond general gender

differences, such as the selection of economically more successful men into marriage, the dominance of hypergamous marriages throughout the 20th century, and the tendency for men to be the older spouse with longer labor market tenure (Schwartz, 2013; Xie *et al.*, 2003).

Several studies explore average within-couple gaps in income and wealth (Dieckhoff *et al.*, 2020; Frémeaux and Leturcq, 2020; Grabka *et al.*, 2015; Lee and Pocock, 2007; Rehm *et al.*, 2022). For Germany, Grabka *et al.* (2015) found that women owned 37 percent of couples' wealth in 2007, with male majority ownership in 52 percent of couples and only 19 percent of couples sharing wealth equally. For income, Dieckhoff *et al.* (2020) illustrate that German women contribute 30–45 percent of couples' income—with higher contributions of women in Eastern than Western Germany. However, with few exceptions, less attention has been paid to the distribution of wealth or pensions within couples in later life and specifically retirement. For instance, Nutz and Gritti (2022) find that gendered employment trajectories of couples transcend into a within-couple wealth gap in later life (i.e., 55 years of age and older) in Western Germany and Britain. Similarly, Möhring and Weiland (2022) highlight how couples' gendered careers cumulate into pension differences in Germany, whereas Weiland (2022) links maternal bargaining power to their long-term accumulation of pension entitlements in Western but not Eastern Germany. Nutz (2022) further shows that women's full-time employment is the main predictor of their share of individual wealth at age 50 and older, whereas access to jointly held assets is linked to both stability in employment and marriage across the life course.

2.3. *The (East and West) German context*

The German pension system. In the Bismarck-type German pay-as-you-go pension system, the primary source of retirement income is a public pension that accentuates previous employment and earnings-related contributions made throughout individuals' working years assuming a typical career span of 45 years of full-time employment (e.g., Leitner, 2001). Periods of caregiving, unemployment, and education may contribute to pension entitlements, albeit to a lesser extent, and cannot fully offset the economic pension penalties associated with nonstandard employment histories (Frericks *et al.*, 2008; Möhring, 2018). Participation in public pension insurance is mandatory for employees and voluntary for the self-employed, whereas civil servants are insured in a similar but separate scheme.

Occupational and private pension schemes constitute complementary sources of retirement income with rising importance (Ebbinghaus, 2015; Ebbinghaus and Gronwald, 2011). However, coverage of occupational pensions is limited and often reserved for individuals with permanent contracts. Private

pension schemes are characterized by a below-average coverage of lower income strata but constitute a central component of self-employed old-age provision.

Following German reunification in 1990, pension entitlements gathered in the comprehensive social security system of the German Democratic Republic (GDR) were retrospectively adjusted and incurred by the (West) German pension system. Although pension values for individuals who lived in the GDR are still at a lower level compared to individuals who lived in the FRG during Germany's division, pension values have been converging in the past decades alongside the cost of living.

Family law. In German law, the default ownership regime for married spouses is the community of accrued gains (Zugewinnngemeinschaft)—which most couples fall under (e.g., Nutz *et al.*, 2022). Under this regime, each spouse maintains ownership over their assets and liabilities that are obtained before or during the marriage. Hence, assets and liabilities are not automatically joint unless they are incurred jointly (e.g., buying a house or other household items together). Within certain restrictions, each spouse can therefore freely decide on their assets and liabilities without requiring permission of their spouse. However, in the case of divorce, any gains accrued during the marriage, with the exception of personal inheritances and gifts but including pension entitlements, must be equalized; the wealthier partner must make an equalization payment to the less wealthy one amounting to half the difference in accrued gains.

Gendered family values, norms, and practices in Eastern and Western Germany. During Germany's division, the two parts—the FRG and the socialist GDR—constituted politically and culturally diverging contexts whose lasting effects can still be observed. West Germany perpetuated gendered career patterns with a (male) main earner. Here, low public childcare capabilities focused on the provision of part-time care for 3–6-year-olds, which—combined with generous parental leave policies—encouraged at-home care. To a similar effect, sufficient middle-class incomes and a joint taxation scheme abated both necessity and incentives for a second full earner. In East Germany, women pursued full-time employment similar to men against the background of gradually expanding, extensive reconciliation opportunities such as full-time public childcare. Furthermore, East German couples experienced earlier and higher fertility than West German couples and a less traditional ordering of marriage and parenthood. In line with this, maternal employment was the norm and gender role attitudes were and continue to be persistently more egalitarian in Eastern Germany, but fertility levels have converged (Ebner *et al.*, 2020; Klüsener and Goldstein, 2016).

Women in both Eastern and Western Germany benefited from an educational expansion starting in the 1960s and 1970s. While women's representation

in highly skilled technical occupations increased in the former, in the latter, women's employment grew, albeit predominantly in part-time positions (Fitzenberger *et al.*, 2004; Trappe *et al.*, 2015). However, the slow economic transition and changing labor market conditions following German reunification in 1990 have been accompanied by increased employment instability and discontinuity in Eastern Germany, especially amongst men and for those in their early to mid-careers (Möhring and Weiland, 2022; Trappe, 2006).

Stark differences in gender inequalities in financial resources reflect the legacy of the East–West divide. Among the working-age population, the unadjusted gender pay gap amounts to 19% in Western and 6% in Eastern Germany (Destatis, 2023). Similarly, the gender-specific gap in private wealth is approximately 38% in the West compared to 30% in the East (Cordova *et al.*, 2022). Current retirees' gender-specific differences in public pensions amount to 36.7% in West versus 13.8% in East Germany in 2021 (Deutsche Rentenversicherung Bund, 2022). Women in Eastern Germany face a smaller motherhood penalty in retirement and hold higher shares of pension income and pension wealth in the couple than in Western Germany (Mika and Czaplicki, 2017; Möhring and Weiland, 2022). In a similar vein, the distribution of wealth in later life is distinctly more gendered in Western than Eastern Germany, reflecting the dominance of male breadwinner versus dual-earner patterns and the limitations and reduced capacity to accumulate wealth in the (post-)socialist East (Nutz, 2022; Nutz and Lersch, 2021).

3. Data and methods

3.1. Data

To explore intra-couple inequalities in pension wealth and personal net wealth during retirement, we use high-quality panel data from the SOEP (see Goebel *et al.* (2019) for detailed descriptions of the SOEP data). The SOEP data are particularly well suited for our purposes as they are internationally unique in providing a wide range of economic measures, including pension income and wealth, fully at the individual level over several panel years. The SOEP data are thus ideal for our analysis of inequalities between spouses. Note that although pension income information is available annually, personal wealth data are only available for the years 2002, 2007, 2012, and 2017. Thus, our analyses focus on these years while also using other survey years and retrospective data to generate explanatory variables. Furthermore, the SOEP data include detailed information on a wide range of potential predictors of intra-couple inequalities. And, finally, the data contain

a sufficiently large subsample of retired, married couples in Eastern and Western Germany for our analyses.

In our analyses, we use wealth data that were edited and imputed by the SOEP survey team. Additionally, we imputed missing data with chained equations for all other analytical variables using Stata's *mi* procedure (Version 17). To enhance the quality of our imputations, a range of relevant auxiliary variables, such as households' living area and federal states of residency, were included. A detailed list of the entire set of variables used in the imputation process, including all auxiliary variables, can be found in Table A10 in the online appendix, available at https://doi.org/10.1162/euso_a_00013. The table additionally provides the share of missing values addressed through imputation. Note that we impute personal economic resources for each spouse and generate intra-couple gaps after the imputation process. Estimation results from five imputed data sets are combined using Rubin's rules (Rubin, 1987). Checking for robustness, we rerun our analyses without imputed data—effectively using listwise deletion to address missing data (see Tables B10–13 in the appendix). These analyses are largely in line with our main findings but result in larger standard errors and a reduction in our sample by about 50% due to the high number of variables considered in our analyses.

3.2. Analytical sample

For our analysis of the intra-couple gaps in economic resources, we apply a multi-actor perspective using wives as the reference spouse and linking husbands' information. We select couples where both spouses provided valid interviews and are in a first-time or higher-order opposite-sex marriage. Furthermore, we focus on private households and thus exclude couples living in retirement or care homes. We also exclude couples living in multigenerational households to reduce the influence of other household members. Considering our focus on spouses' resources during retirement, we restrict our sample to couples where both spouses are retired. Since this may include spouses in early retirement, we exclude respondents younger than 50. However, the majority of respondents are typical old-age retirees. We use couples' most recent wave with available data on wealth and pensions for both spouses, providing us with a pooled cross-sectional data set of the years 2002, 2007, 2012, and 2017 for the multivariate analyses. We draw on separate samples for Eastern and Western Germany. To this end, we assess whether both spouses resided in Eastern or in Western Germany in 1989 and exclude couples where wife and husband did not live in the same part of Germany before reunification (<2% of retired couples). In total, our sample consists of 846 married women in Eastern and 2,331 in Western Germany, referring to the same number of married households.

3.3. Measurements

Outcome measures. Our main outcome measures are *intra-couple gaps in personal pension wealth and personal net wealth*. To generate those gaps, we first focus on individual-level measures of pension wealth and net wealth.

Following OECD guidelines and previous research (Bönke *et al.*, 2019; Cordova *et al.*, 2022; OECD, 2013), we operationalize pension wealth as the sum of individual annual pensions across the subsequent years of life t between the current age a and a maximum age of $T = 100$. Each annual pension is weighted by the birth-cohort- and gender-specific survival probability s for the prospective age a, t (based on cohort life tables published by the Federal Statistical Office of Germany, 2020). Approximating the present value of future pension payments, we account for a yearly discount rate i of 2%. We do not model inflation, based on the assumption that pension levels are adjusted accordingly and due to the challenge of acquiring robust estimates of future inflation rates (Kuhn, 2020, p. 5).² Pension wealth, PW , is measured as follows:

$$PW = \sum_{t=0}^{T-a} s_{a,t} * \frac{\text{annual pension}}{(1+i)^t}$$

Our measurement of pensions draws on the following sources: statutory public pensions (e.g., German pension insurance and civil servant pensions), occupational pensions for private and public sector employees, and other, more specific pensions, such as accident insurance pensions, foreign pensions, and payments for war victims. To identify these pension income streams, SOEP survey respondents are first asked to report whether they receive any personal pension income. In a second step, respondents are asked to report who pays for their pension, identifying the amount for each potential source of pension income. For this second step, respondents can report pension income from nine sources (e.g., German pension insurance, civil service pension scheme, supplementary insurance for public sector employees, accident insurance) and additionally report any pension income from sources not listed (see Table B14 in the online appendix for the exact questions). As claims for widower pensions cease upon remarriage, they are not a valid individual income source in our

² Since the operationalization of pension wealth is based on assumptions concerning discount rate and life expectancy (which may vary by other characteristics, such as education; e.g., Luy *et al.* 2015), we performed robustness analyses utilizing pension income (see Tables B1–3 in appendix). The results for pension income and pension wealth point in a similar direction; inequalities in pension wealth are slightly less pronounced because the measure accounts for the higher life expectancy of women and their potentially longer period of pension receipt.

sample of married couples. Furthermore, our analyses do not include minimum social assistance payments, since these are only measured at the household level. Before generating pension wealth, we top-code annual pension income at the 0.1% level to minimize the impact of outliers.

Personal net wealth is defined as the sum of all personally owned assets minus personally owned loans and debts. Assets encompass personal values in real estate, financial assets (such as savings, stocks, bonds), life insurance, private pensions, business holdings, and valuables, such as gold and jewelry. Liabilities cover mortgage debt and consumer credits. An assessment of personal net wealth is feasible with the SOEP data because wealth data are collected separately for each household member aged 17 and older in a three-step process. First, a filter question identifies respondents with specific wealth components. Next, the market value of these components is recorded. Finally, for potentially jointly held assets (such as real estate), respondents specify whether they are sole or joint owners and, if joint, indicate their ownership share (see Table B14 in the online appendix for exact questions). We adjust personal net wealth for inflation and apply top- and bottom-coding at the 0.1% level.

Based on our individual-level pension wealth and net wealth measures, we create measures to reflect inequalities between spouses: the *within-couple personal pension wealth gap* and the *within-couple personal net wealth gap*. We create these household-level measures by subtracting the male partner's personal resources from the female partner's personal resources. Negative values thus indicate a majority share of the male spouse and vice versa. We apply inverse hyperbolic sine transformations to both gap measures (Friedline *et al.*, 2015). This transformation compresses extreme values and can be interpreted as percentage differences analogous to a log-transformed outcome variable but with the advantage of retaining negative values. While some studies combined these two wealth measures into augmented wealth, we argue that it is beneficial to consider intra-couple inequalities separately in two measures, because the within-couple distributions of both may vary substantially. Furthermore, the interpretation of augmented wealth may be challenging, due to not only the expanded time horizon but also the difference in wealth and pension wealth with regard to market liquidation and disposability and legal classification (Bönke *et al.*, 2019, p. 835; Wolff, 2015).

The self-reported nature of our measures needs to be highlighted as a potential limitation of our study. Self-reported measures might be biased by the desire for social conformity, which has been shown to lead survey respondents to overreport socially favorable behaviors and underreport less favorable ones (Krumpal, 2013). For instance, when wives outearn their husbands, respondents were found to reduce this social norm violation by inflating the earnings of the

husband and deflating the earnings of the wife (Roth and Slotwinski, 2019). Although it is unclear whether social desirability influences the reporting of personally owned pension and wealth within couples, we may hypothesize that intra-couple inequalities within wealth are underreported due to strong social norms around jointness within marriage and savings. Pension wealth, which is by definition accumulated independently of the other spouse, may be less influenced by such norms. Our results for net wealth may thus be seen as more conservative estimates.

Explanatory variables. To explore the predictors of intra-couple net wealth and pension wealth gaps, we follow the research (e.g., Grabka *et al.*, 2015; Möhring and Weiland, 2022; Nutz and Gritti, 2022) and highlighted aspects of the gendered accumulation of pension and wealth. Broadly, we include two groups of explanatory variables that refer to individual-level and couple-level characteristics: (a) sociodemographic and parental background and (b) employment histories.

The first set of predictors refers to sociodemographic and parental background factors. We include a measure to reflect women's birth cohort (born before 1930 [ref.], 1930–1939, 1940–1949, and 1950–1966) for two reasons. First, potential links between mortality and financial resources (e.g., Demakakos *et al.*, 2016) may contribute to selective survival and distribution of resources among older birth cohorts of coupled pensioners.³ Second, the changing sociopolitical context affected access to the labor market and education of women in both Eastern and Western Germany (Trappe *et al.*, 2015). Furthermore, we include a continuous measure reflecting the age gap between spouses, operationalized as wife's age minus husband's age, because the measure of pension wealth is based on the prospective remaining years of life. As divorce and widowhood may affect the accumulation of wealth and pension entitlements, we include two dummy variables to account for whether the wife or husband was previously married (no [ref.], yes). Further demographic controls consist of a continuous measure of the duration of the current marriage in years, continuous measures of women's age at first marriage and first birth, and a categorical indicator of her number of children (none [ref.], one, two, three or more). We include indicators of family life courses in line with the relevance of children, particularly for women's labor market tenure and their associated economic potential and capability. We also consider whether the couple lives in an urban as opposed to a rural ([ref.]) environment. As noted, intergenerational transmission of resources matters for wealth. To reflect this, we include measures capturing the parental background. Specifically, we generate measures for each spouse's parents' highest Standard

³ Cohort-specific differences in the distribution of pension wealth and wealth are documented in Tables A11–12 in the appendix.

International Occupational Prestige Scale score (Ganzeboom and Treiman, 1996). We use this measurement as an approximation of social origin and the potential for past wealth transfers. Last, we control for both partners' migration background because migration histories importantly affect the accumulation of economic resources, such as due to disrupted careers and limited intergenerational transfers (Muckenhuber *et al.*, 2022). To reflect spouses' migration background, we use two dummy measures (no migration background [ref.], direct or indirect migration background) for Western German couples (e.g., Rehm *et al.*, 2022) but exclude those measures for Eastern Germany, as the sample size is insufficient in light of GDR's migration restrictions and political climate.

The second set of explanatory variables refers to spouses' employment histories and human capital. As noted in the background section, the accumulation of pension entitlements and wealth is closely linked to those factors, which are also highly gendered. Spouses' employment histories are reflected through the following nine measures: the respective sums of women's life course in full-time employment, part-time employment, and unemployment as continuous measures in years,⁴ the respective intra-couple-difference in full-time employment and unemployment experience (her minus his),⁵ her sum of years in education, and the intra-couple gap in educational years (her minus his).

Control variables. Considering the large set of potential determinants of intra-couple gaps, we include only a small set of baseline control variables. For the analyses of the intra-couple wealth gap, we include a dummy measure to flag imputed wealth data within the couples (no [ref.], yes) and a dummy to adjust for the financial crisis 2008 [2002/2007 [ref.], 2012/2017]. For all analyses, we additionally include a set of dummy variables to adjust for the extension subsamples of the SOEP.

3.4. Analytical strategy

Our analysis consists of two steps. In a first step, we explore spouses' average economic resources in retirement and the extent of within-couple inequalities in pension wealth and net wealth through a descriptive analysis. Because the strategy of utilizing respondents' most recent wealth data is associated with an overrepresentation of panel mortality cases and older cohorts in earlier waves, the descriptive analysis focuses on the most recent wave of 2017. Following the

⁴ For unemployment, we further include a squared term, since pension entitlements associated with the initial (2-year) period of unemployment benefits are higher than for the reduced benefit levels of subsequent unemployment.

⁵ We refrain from including the within-couple difference in part-time employment, due to the low prevalence of part-time employment among husbands.

approach of Grabka *et al.* (2015), we apply women's survey weights to the descriptive analysis.

In a second step, we scrutinize potential determinants of intra-couple gaps in pension wealth and net wealth through ordinary least squares regression analyses. We run separate regression models for Eastern and Western Germany using Hubert and White robust standard errors. In the regression analyses, we first include sociodemographic characteristics and parental background variables. In the second regression model, we also incorporate employment history variables (Grabka *et al.*, 2015) (see Table A1 for sample means). Tables in the article focus on the most central results, and full regression models are available in the online appendix.

4. Results

4.1. Descriptions of intra-couple resource gaps

Figure 1 displays spouses' average pension wealth and net wealth and the respective raw differences within retired couples for the survey year 2017 (see also Table A2).⁶ Differences both within and between Eastern and Western German couples are distinct. Women in Western German couples hold an average pension wealth of 194,625€, which is 223,885€ or about 53 percent less than their husbands. In contrast, the average gap in pension wealth between Eastern German spouses amounts to only 33,693€ (about 12 percent). This is driven by Eastern German wives' substantially higher, and husbands' respectively lower, pension wealth compared to their Western German counterparts. In relative terms, intra-couple gaps in net wealth are considerably smaller. With an average wealth level of 161,350€, Western German women hold 14,837€, or about 8 percent less personal net wealth than their male spouses. In Eastern Germany, retired women in our sample hold an average net wealth of 41,828€, which translates into 11,248€ less than their male spouses. However, as the overall level of accumulated wealth in couples is substantially higher in Western than Eastern Germany, the relative gap between spouses' net wealth lies at 21 percent in Eastern Germany.

Figure 2 shifts the focus to the different resource patterns within couples (see also Table A3). In 16 percent of Western German couples, women exhibit higher pension wealth than their spouses, whereas men hold the majority of pension wealth within 84 percent of couples. Among the former, the average absolute

⁶ The average distribution of economic resources across spouses across all sample waves (2002–2017) paints a similar picture, as depicted in Tables B4 and B5 in the online appendix.

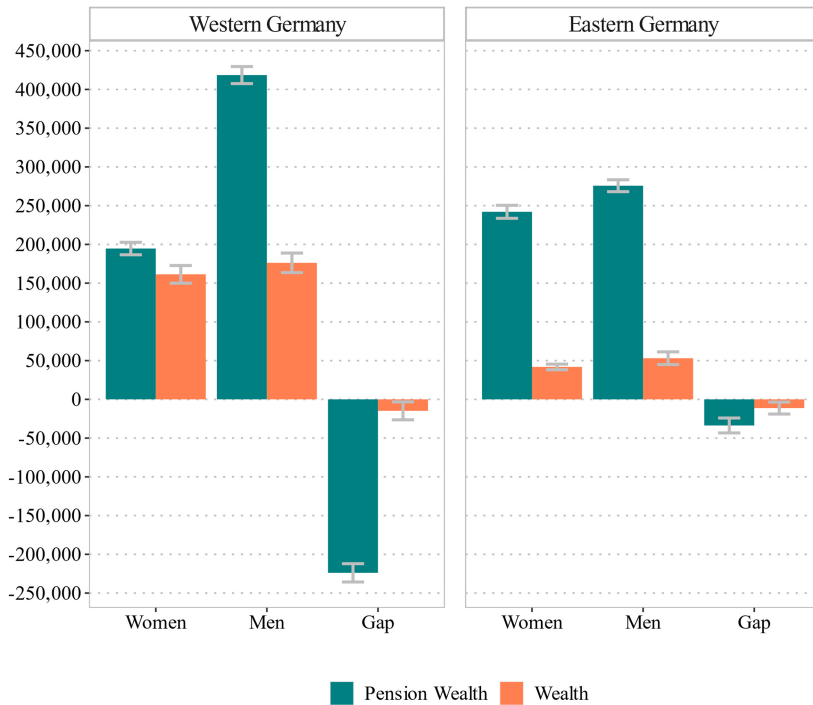


Figure 1. Spouses' mean personal pension wealth and personal net wealth in Euros in Western/Eastern Germany (2017).

Notes: Grey bars indicate 95% confidence intervals. Own estimations based on data from the Socio-Economic Panel Survey v37. Weighted and imputed data. No controls included.

gap in pension wealth amounts to 115,568€, whereas the gap is about 2.5 times larger at 290,318€ in the latter group that favors men. In about 39 percent of Eastern German couples, women exhibit higher pension wealth than their spouse, as opposed to 61 percent of couples where men do. With absolute gaps of 80,829€ and 105,883€, respectively, gaps in pension wealth are considerably smaller in Eastern than Western German couples. In both parts of Germany, couples with a gap in favor of the women exhibit considerably higher couple pension wealth (i.e., aggregation of both spouses' pension wealth) than in those where men hold the majority share.

In contrast to pension wealth, an equilibrium between spouses' personal net wealth is a common pattern, at 30 percent in Western and 42 percent in Eastern German couples. However, couples with an equal wealth distribution draw on considerably smaller couple wealth (i.e., aggregation of both spouses' wealth) than those where either spouse commands a majority share. In 40 percent of Western German couples, men have on average 124,861€ more wealth than

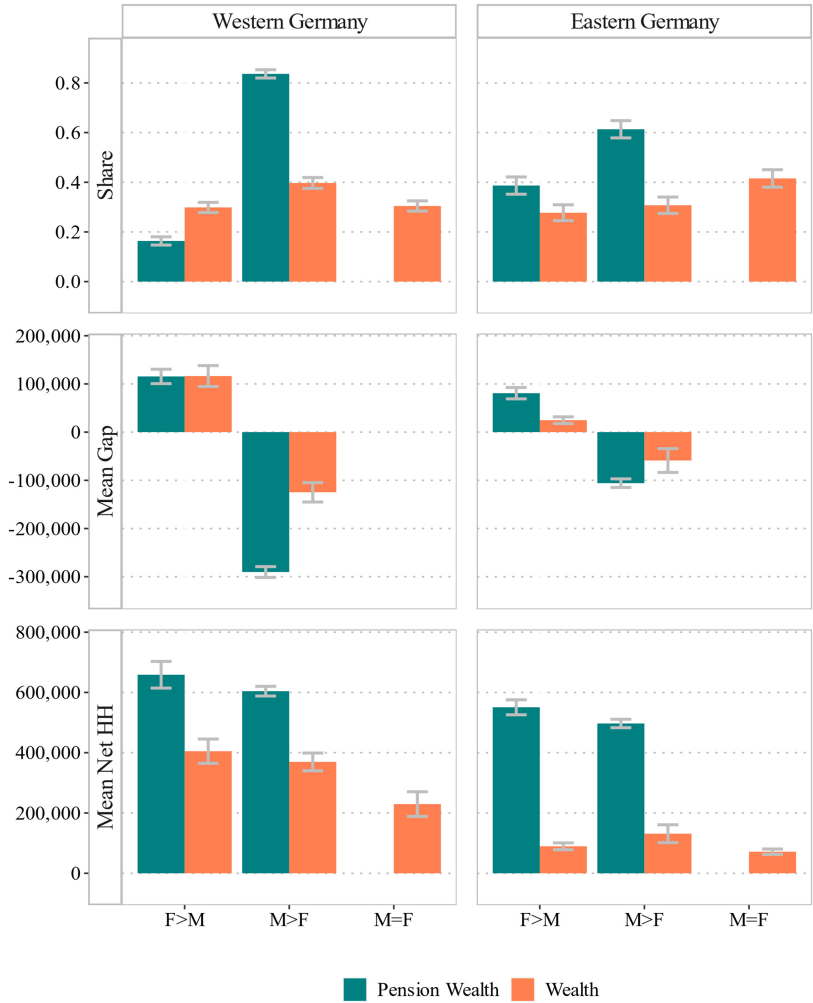


Figure 2. Constellations of intra-couple gaps in personal pension wealth and personal net wealth in Euros (2017).

Notes: F = female spouse, M = male spouse, HH = Household. Grey bars indicate 95% confidence intervals. Own estimations based on data from the Socio-Economic Panel Survey v37. Weighted and imputed data. No controls included.

their spouse compared to 28 percent of couples where women hold on average 116,365€ more wealth. In 28 percent compared to 31 percent of Eastern German couples, women or men, respectively, hold more net wealth than their spouse. Here, the wealth gap favoring male spouses is more than twice as high compared to that in favor of the female spouse, although the absolute differences are considerably smaller than in Western German couples.

Table 1. Linear regression models for the intra-couple gap in personal pension wealth (IHS-transformed) by Western and Eastern Germany.

	Western Germany		Eastern Germany	
	(m1a)	(m2a)	(m1b)	(m2b)
Cohort (Ref. <1930)				
1930–1939	−0.53 (0.65)	−0.71 (0.65)	0.47 (1.49)	−0.53 (1.46)
1940–1949	−0.17 (0.77)	−1.04 (0.77)	1.12 (1.62)	0.06 (1.65)
1950–1966	0.65 (1.03)	−0.76 (1.02)	4.08 ⁺ (2.21)	2.11 (2.13)
Number of children (Ref. 0)				
1	−4.88* (2.09)	−1.41 (2.12)	4.52 (3.73)	4.68 (3.83)
2	−5.03* (2.02)	−0.80 (2.06)	4.01 (3.49)	4.76 (3.56)
3 or more	−5.29** (1.85)	−0.71 (1.87)	4.76 (3.48)	5.01 (3.53)
Full-time work experience (in years)		0.18*** (0.04)		0.08 (0.08)
Difference in full-time work experience		0.05 (0.04)		0.13* (0.06)
Part-time work experience (in years)		0.07*** (0.02)		0.02 (0.06)
Unemployment experience (in years)		0.23 (0.19)		−0.06 (0.30)
Difference in unemployment experience		−0.43*** (0.11)		−0.73*** (0.18)
Education (years)		0.22 ⁺ (0.12)		0.37 (0.30)
Difference in education		0.38*** (0.09)		0.60*** (0.17)
Observations	2331	2331	846	846

Notes: Robust standard errors applied. All models are adjusted for age differences between spouses, years married, whether either spouse was previously married, the wives' age at first marriage and at first birth, living in an urban area, each spouse's migration background, wife's parents' highest occupational prestige, the difference in spouses' parents' highest occupational prestige, the SOEP sample (ref.: origin sample), a flag for imputed pension data, and a year dummy to account for the financial crisis of 2008/2009 and a dummy to account for imputed wealth data. Full models in Table A4. Own estimations based on data from the Socio-Economic Panel Survey v37. ⁺ $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.

4.2. Predictors of within-couple inequalities

Table 1 shows covariates of the IHS-transformed within-couple gap in pension wealth in Eastern and Western Germany. As we subtracted men's from women's individual pension wealth, positive coefficients indicate women's higher relative share within the couple and thus—in most couple arrangements—a narrower intra-couple gap.

Starting with an examination of cohort effects, we find that the within-couple gap in pension wealth does not significantly differ across cohorts in Western

Germany, whereas in Eastern Germany, the cohort born 1950–1966 exhibits a significantly smaller gap than the reference cohort born before 1930 (m1a and m1b). This difference turns insignificant after controlling for employment histories, which is the central predictor of differences in pension wealth. In Western Germany, each year women spent in full-time or—to a lesser extent—part-time employment (m2a) is linked to an increase in their share of pension wealth. In Eastern but not Western Germany, the gap decreases for each year that women are closer to their spouse's full-time experience. In both parts of Germany, each year difference in spouses' previous unemployment is associated with a growing gap (m2a, m2b). Against the background of differential employment histories of mothers compared to non-mothers, children are linked to a higher intra-couple gap in pension wealth in Western but not Eastern Germany (m1a, m1b, m2a, m2b). We further find that educational attainment (only Western Germany) and spousal differences therein (m2a, m2b) contribute to explaining the gap in both regions. Since higher age equals fewer remaining years of future pension payments, spouses' age difference is negatively related to the gap in pension wealth.

Table 2 shows predictors for the intra-couple wealth gap in Eastern and Western Germany, which may be interpreted in a fashion similar to the within-couple pension gap. In contrast to pension wealth, we find that both demographic and employment characteristics play a lesser role in explaining the wealth gap within retired couples. In both regions, cohort differences are not significant (m1a, m1b). In Western Germany, each additional year of unemployment that women have experienced in contrast to their spouse is associated with a larger intra-couple gap in net wealth (m2a). However, neither full-time and part-time work experience nor spouses' differences therein are linked to the intra-couple wealth gap. Furthermore, in this region, spousal differences in educational attainment are linked to women's relative share of net wealth. Spouses' employment histories and educational differences are not significantly related to couples' distribution of wealth in the East.

4.3. Supplementary analyses: personal financial wealth versus housing wealth

Our measure of net wealth combines two components: financial wealth and primary housing wealth. Research points out (Joseph and Rowlingson, 2012) that spouses tend to own housing wealth jointly, while intra-couple inequalities are stronger in financial wealth. Against this background, our sensitivity analyses disaggregate prevalence and predictors of within-couple gaps in personal net wealth into financial and housing wealth (see, e.g., Kapelle and Lersch, 2020, for a similar approach). In both Eastern and Western Germany, the

Table 2. Linear regression models for the intra-couple gap in personal net wealth (IHS-transformed) by Western and Eastern Germany.

	Western Germany		Eastern Germany	
	(m1a)	(m2a)	(m1b)	(m2b)
Cohort (Ref. <1930)				
1930–1939	–0.27 (0.87)	–0.26 (0.86)	–0.46 (1.13)	–0.56 (1.15)
1940–1949	0.17 (1.11)	0.10 (1.09)	1.21 (1.20)	1.22 (1.31)
1950–1966	–0.35 (1.34)	–0.60 (1.33)	2.16 (1.65)	1.87 (1.74)
Number of children (Ref. 0)				
1	–1.40 (1.95)	–1.01 (1.98)	2.09 (2.63)	2.10 (2.70)
2	–1.80 (1.90)	–1.24 (1.91)	1.42 (2.48)	1.48 (2.53)
3 or more	–1.69 (1.85)	–1.09 (1.85)	0.86 (2.35)	0.82 (2.41)
Full-time work experience (in years)		0.03 (0.04)		–0.06 (0.05)
Difference in full-time work experience		0.00 (0.03)		0.06 (0.04)
Part-time work experience (in years)		0.03 (0.02)		–0.00 (0.04)
Unemployment experience (in years)		–0.19 (0.19)		–0.26 (0.25)
Difference in unemployment experience		–0.21* (0.09)		–0.01 (0.15)
Education (years)		–0.07 (0.12)		0.03 (0.16)
Difference in education		0.22* (0.11)		0.12 (0.13)
Observations	2331	2331	846	846

Notes: Robust standard errors applied. All models are adjusted for age differences between spouses, years married, whether either spouse was previously married, the wives' age at first marriage and at first birth, living in an urban area, each spouse's migration background, wife's parents' highest occupational prestige, the difference in spouses' parents' highest occupational prestige, the SOEP sample (ref.: origin sample), a flag for imputed wealth data, and a year dummy to account for the financial crisis of 2008/2009 and a dummy to account for imputed wealth data. Full models in Table A5. Own estimations based on data from the Socio-Economic Panel Survey v37. ⁺ $p < 0.10$, * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.

within-couple gap in housing wealth is less pronounced than differences in financial wealth, even though housing wealth accounts for a greater share of total wealth. Women hold 7,831€ less in financial wealth than men in Eastern compared to 10,664€ less in Western Germany (see Figure 3 and Table A6). For housing wealth, the respective gaps amount to 3,417€ in Eastern and 4,173€ in Western Germany. However, as spouses' overall wealth levels in both components are substantially lower in Eastern Germany, the relative difference between spouses is larger for Eastern than Western couples.

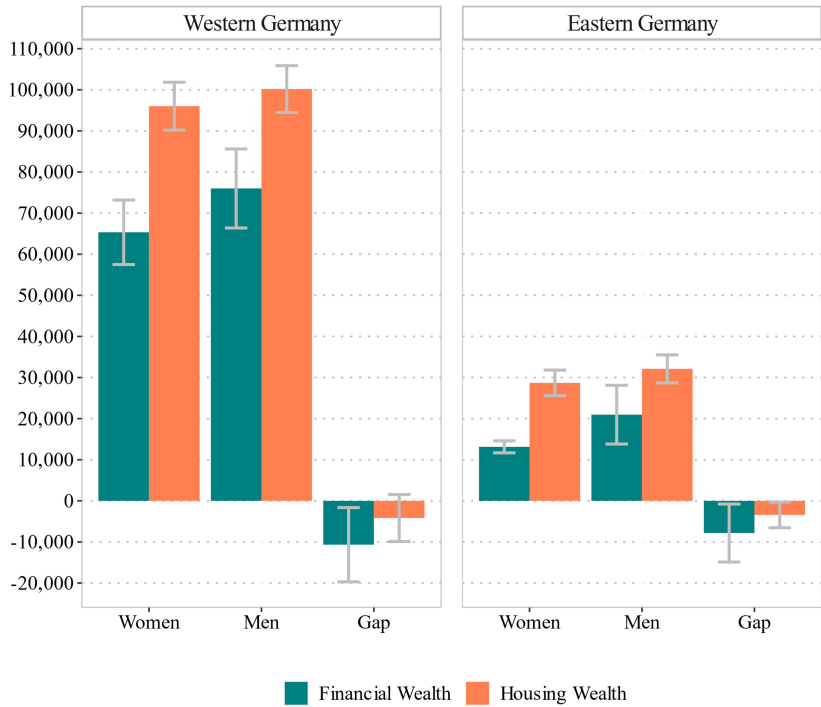


Figure 3. Spouses' mean personal financial net wealth and housing wealth in Euros in Western/Eastern Germany (2017).

Notes: Grey bars indicate 95% confidence intervals. Own estimations based on data from the Socio-Economic Panel Survey v37. Weighted and imputed data. No controls included.

At 44 percent, most Eastern German spouses hold equal shares of financial wealth as opposed to 32 percent of Western German couples (see Figure 4 and Table A7). Among the latter, male majority ownership constitutes the predominant pattern at 39 percent. In comparison, male majority ownership is the least common pattern in Eastern Germany at 27 percent. In contrast, shared ownership of housing wealth is by far the predominant pattern in both Eastern (88 percent) and Western Germany (85 percent). On average, couples holding equal shares in housing or financial wealth exhibit a lower household total, since couples with no housing wealth fall into this category. For financial wealth, excluding couples with zero financial wealth (17.5 percent of couples in Eastern and 17.4 percent in Western Germany) decreases the share of equal ownership to about 30 percent in Eastern and 18 percent in Western Germany (Table B7). Excluding couples without housing wealth (54.2 percent of couples in Eastern and 31.8 percent in Western Germany) results in little change, as respective shares of equal ownership are 77 and 80 percent in East and West.

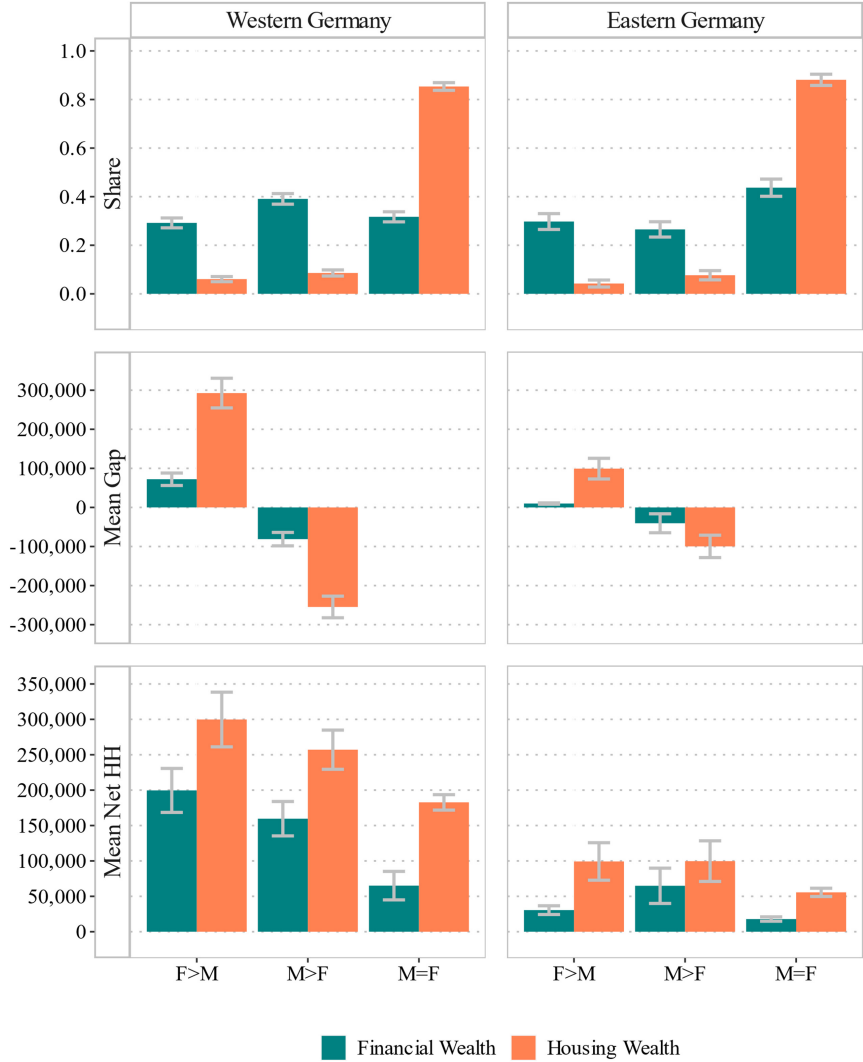


Figure 4. Constellations of intra-couple gaps in personal financial net wealth and housing wealth in Euros (2017).

Notes: F = female spouse, M = male spouse, HH = Household. Grey bars indicate 95% confidence intervals. Own estimations based on data from the Socio-Economic Panel Survey v37. Weighted and imputed data. No controls included.

Supplementary regression analyses show that spouses' employment histories are not significant predictors of the within-couple gap in financial wealth, with the exception of spousal differences in unemployment experiences in Western Germany (see Table B8). In a similar vein, employment history is not significantly linked to the distribution of housing wealth within Eastern and Western German couples (see Table B9).

5. Discussion and conclusion

In this study, we explored the extent and potential explanations of within-couple gaps in pension wealth and net wealth of retired spouses in Eastern and Western Germany. Our study was theoretically driven by notions around the gendered accumulation of economic advantage and disadvantage over the life course—in the population in general and more specifically between spouses—based on gendered structures. For our analyses, we used data from the SOEP, which is one of the few household panel studies that measures (pension) income and wealth at the personal level and thus allows an analysis of economic intra-couple gaps.

To summarize, our descriptive analyses show that pension wealth constitutes a substantially more sizable component of retirees' financial resources than personal net wealth in Germany. In most couples, the within-couple gap in pension wealth favors men and is substantially more pronounced in Western than Eastern Germany, with 53 percent compared to 13 percent in 2017, respectively. In contrast, spousal differences in personal net wealth are less pronounced in absolute terms due to lower spousal net wealth compared to spousal pension wealth but larger in relative terms—at least in Eastern Germany, with an intra-couple gap of 21 percent. Intra-couple wealth gaps are substantially smaller for Western German couples, with women holding on average 8 percent less personal net wealth than their male partners. On average, Western German husbands hold the most pension and net wealth, followed by Eastern German husbands and wives; Western German wives exhibit the least financial resources.

Applying multivariate regression analyses to a sample of 2,331 Western and 846 Eastern German couples, we scrutinized potential predictors of IHS-transformed within-couple gaps in pension wealth and personal net wealth. We find that differences in spousal employment across the life course transcend into a within-couple gap in pension wealth in retirement, explaining most of the remaining demographic predictors, such as stratification along women's fertility (Western Germany) or cohort differences (Eastern Germany). Employment characteristics contribute little to explaining spousal differences in personal net wealth. Thus, our study indicates substantially different mechanisms that are underlying intra-couple gaps in pension wealth and personal net wealth.

Results on retirees within-couple gaps in pension wealth are in line with previous research (e.g., Mika, 2022; Möhring and Weiland, 2022; Rasner, 2014). As public pensions and most occupational pensions in Germany award benefits in relation to previous earnings-based contributions, spousal differences in labor market engagement and educational attainment are central predictors of the within-couple gap. Therefore, couples' pension wealth is distinctively more gendered in Western than in Eastern Germany. In (post-)socialist Eastern Germany,

normative pressure and institutional support for equal labor market engagement and educational attainment of women, in combination with a low wage stratification during the GDR, facilitated low gender-specific pension differences both within and outside the couples' context (Möhring and Weiland, 2022; Rasner, 2014). This advancing alignment in labor market integration and qualification expresses itself in a decreasing within-couple gap in pension wealth across cohorts. We observe this especially for the birth cohort 1950–1966, for which the economic transformation of East Germany after German reunification in 1990 would have affected the accumulation of pension rights of couples in their mid-careers in the long term. Although both men and women faced increased employment instability, the male-dominated manufacturing sector experienced permanent downsizing (Mika, 2022; Rosenfeld *et al.*, 2004).

In Western Germany, low public childcare provision and institutional incentives for at-home care and joint taxation penalized secondary earners. Additionally, comparatively lower normative acceptance of maternal employment fed into a gendered accumulation of pension wealth (Trappe *et al.*, 2015). The motherhood penalty linked to the within-couple pension wealth gap that we observe in Western but not Eastern Germany is also an expression of that. Although labor market integration of Western German women has increased across cohorts, this can mainly be attributed to part-time employment with limited benefits for pension wealth accumulation (Simonson *et al.*, 2011). Consequently, cohort differences in the within-couple gap in pension wealth are marginal in Western Germany even though employment stability and pension entitlements of Western Germans have decreased across cohorts, as Mika (2022) points out for public pensions. However, at the same time, we must acknowledge that our (pooled) cross-sectional research design only allows for limited insights on cohort differences, as with increasing age, survival and resource distribution of spouses may become more selective.

Our results show not only that the intra-couple gap in net wealth in retirement is smaller than for pension wealth but also that their underlying mechanisms differ. While spouses' gendered employment trajectories are relevant predictors of intra-couple pension wealth gaps, they are—for the most part—no substantial vector for personal net wealth differences in retirement, and only differences in unemployment spells can partly account for personal net wealth differences. This finding contradicts studies by Cordova *et al.* (2022) and Grabka *et al.* (2015), who emphasize employment histories as central predictors of both general gender differences in personal net wealth and within-couple personal net wealth differences for working-age couples. However, we argue that our results need to be considered keeping the historical contexts and cohorts under study in mind: marriage is the predominant living arrangement among

today's retirees, and most marriages in our study were formed and respondents socialized during a time when traditional norms of jointness within marriage were particularly strong in both Western and Eastern Germany (Dennis, 1998; Sobotka and Toulemon, 2008). Consequently, our results on the intra-couple gap in personal net wealth need to be discussed in light of Joseph and Rowlingson (2012), who argue that boundaries of asset ownership become increasingly blurred with time in marriage as norms of financial jointness prevail. As a result, pooling personal net wealth is likely seen as the normative default, outweighing emerging trends around individualization within marriage—at least within our study sample of predominantly first-time married respondents with an average marital duration of 46 years.

Joint ownership is particularly assumed and practiced for assets normatively acquired together, such as the family home, serving as compensation for women's focus on unpaid care work (Nutz, 2022). However, for assets such as the family home, we also need to consider structural constraints, such as restricted access to individual mortgage loans, that prevented spouses from acquiring such assets solely before or during the marriage. Such ideas about the prominence of jointness and structural constraints are also supported by our supplementary analyses that show that most retired couples in Eastern and Western Germany own equal shares of housing wealth, while intra-couple wealth gaps are more pronounced in financial wealth.

In contrast, pension entitlements are—by definition—rarely perceived as a joint resource. This can partially explain why we find lower intra-couple gaps in personal net wealth but higher gaps in pension wealth. We argue that considering that normative perceptions and structural constraints around wealth ownership within couples have been evolving toward a more individualized ideal, it is crucial to continue monitoring intra-couple inequalities in general, but particularly in older age, for the upcoming cohorts. More independent financial management of upcoming cohorts may lead to wider intra-couple inequalities. However, at the same time, women's higher labor market participation in more recent cohorts may dampen intra-couple inequalities for those cohorts. This can already be seen in lower pension inequalities in Eastern Germany found in our study.

Overall, our study highlights substantial absolute intra-couple gaps, particularly within pension wealth for Western German couples. As highlighted by the lower pension gaps in Eastern Germany, contextual factors that also drive individual behavior, such as in employment patterns, matter extensively in the prevention of intra-couple inequalities. Although absolute intra-couple gaps in personal net wealth were lower, strong social norms around the joint possession of wealth, such as compensation for specialization within marriage, need to be considered. We may thus hypothesize that intra-couple wealth gaps found in our

study are mainly the result of normative perceptions about financial jointness and less based on legal considerations about ownership. However, it needs to be emphasized that legal ownership may be more relevant in case of a marital breakdown, which increasingly occurs during older age (Brown and Lin, 2012). But even if the marriage does not break down, decision-making power and control are strongly connected to underlying gendered norms and the level of financial contributions to joint assets. Thus, even if couples report equal ownership, it is men who are often perceived as the “rightful” owner when it comes to questions of power and decision-making during marriage or in divorce (Joseph and Rowlingson, 2012; Klesment and Van Bavel, 2022). Concerning future cohorts of pensioners, the trend toward an individualization of wealth could result in more pronounced intra-couple gaps in wealth on the one hand (e.g., Frémeaux and Leturcq, 2020). On the other hand, the increased labor market participation of women in pre-retirement cohorts (e.g., Trappe *et al.*, 2015), may be associated with lower intra-couple gaps in both pension wealth and net wealth. In line with this, policies enabling more egalitarian employment trajectories, such as adequate and affordable public childcare provision (see, e.g., Ferragina, 2019), may ultimately contribute to reducing the disparities in spouses’ individual pension entitlements and personal net wealth. (Mandatory) pension splitting constitutes an alternative approach to de-gendering pension wealth by pooling and redistributing spouses’ pension entitlements equally. Last, measures targeting gender-specific differences in investment behavior and access to investments may mitigate the gap in spouses’ net wealth both before and in retirement (e.g., Sierminska *et al.*, 2018). Overall, our study highlights the strong relevance of norms and the context in driving individual factors that influence pension wealth and personal net wealth inequalities between spouses in later life. Due to high data demands (i.e., collection of personal wealth at the fully individual level), research within other contexts is missing but would be highly beneficial to further explore how our findings compare to different contexts.

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AI use disclosure

No generative AI tools were used in the preparation, analysis, or writing of this article. All analyses were conducted by the authors using Stata and R.

Data availability

The research relies on secondary data from the German Socio-Economic Panel Study (SOEP), version 37. The SOEP data are classified as sensitive personal data and are subject to strict access protocols. Researchers may access the data only through a formal data distribution agreement with DIW Berlin, the institute responsible for the SOEP. Our use of the data fully complied with these access requirements.

Declaration of interest statement

No potential conflict of interest was reported by the author(s).

Ethical approval

As this study involves only anonymized secondary data and no direct interaction with human participants, ethical approval was not required.

Data availability statement

All analyses rely on data from SOEP v37. The full data are available at <https://doi.org/10.5684/soep.v37>. The replication code of the analyses is available at <https://osf.io/auzm4/>.

Supplements

Supplemental data for this article can be accessed online at https://doi.org/10.1162/euso_a_00013.

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