

Redistribution and Time Poverty: Balancing Responsibilities in Couple Households

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Abstract

This policy brief examines how redistributing household production responsibilities could reduce time poverty among married U.S. couples. Using the Levy Institute Measure of Time and Income Poverty (LIMTIP), we analyze three scenarios based on equality, equity, and opportunity cost principles. Our findings show that redistribution could effectively reduce time poverty in households where time surplus exceeds deficits, with the equity-based approach proving most successful. However, redistribution has limited impact when all household members are already time-poor. The effectiveness varies across household structures, suggesting targeted approaches may work better than universal solutions.

Keyword: Time Poverty, Income Poverty, Redistribution, household production, care work, gender equality, LIMTIP

1 Introduction

Redistribution of household production, which includes unpaid caregiving and domestic chores, has been identified as an important tool to achieve gender equality. The United Nations Sustainable Development Goal 5, Target 5.4, has incorporated the recognition, reduction, and redistribution of unpaid work strategy, popularly known as the 3R strategy. This is a testament to decades of activism and advocacy emphasizing that gender inequality on this front cannot be simply justified as a “private family matter”, but rather be considered a matter of public policy. Redistribution can take place from households to the public and/or private spheres, as well as among household members. While all household members should share household work, evidence shows that it is disproportionately undertaken by girls and women globally (Addati et al., 2018).

Redistribution of household production responsibilities from women to men is important intrinsically for human rights and fairness concerns; it is also instrumental in achieving gender equality in labor market outcomes (Bruyn-Hundt, 1996; Elso, 2017; Esquivel, 2016). Studies have demonstrated that gender gaps in the workforce and the unequal sharing of household responsibilities can severely impede economic growth and development (Berik et al., 2009; Duflo, 2012; Elson, 2009). Yet, public policies and collective actions have been less than adequate, especially in poorer countries due to constrained fiscal capacity, widespread absence of formal wage labor, and weak welfare states. Moreover, in patriarchal contexts, cultural barriers also restrict redistribution of household production among their members, or redistribution between the public and private spheres. While in some developed countries such as Norway and Sweden, public policies have been able to promote gender-equitable sharing of household production, such as paid paternity and maternity leaves, they have attained limited attention and success in other countries.

The U.S. is not an exception. Issues related to lack of public provisioning of care infrastructure and services, widespread existence of childcare deserts, and lack of paid parental leave laws, among others, have drawn attention. In 2021, the value of unpaid household work in the U.S. amounted to \$600 billion, constituting approximately 2.6% of the GDP (Reinhard et al., 2023). Moreover, like most other countries, we observe gender disparity in sharing of household work, with women being in charge of a disproportionately larger share of the burden. According to the 2018 American Time Use Survey, among adults aged 15 and older, women on average spent 5.7 hours per day on unpaid household and care work, compared with 3.6 hours for men. In other words, women spent 37 percent more time on unpaid household and care work than men (Hess et al., 2020).

Unfortunately, the U.S. also falls behind in other dimensions of this problem. Compared to other OECD countries, the U.S. lacks effective childcare policies, spending only 0.4% of GDP on early childhood education and care (ECEC), compared to the OECD average of 0.8% (OECD, 2020). The U.S. also lacks federal laws granting paid parental leave, setting it apart from other OECD nations. Around 51% of the U.S. population resides in childcare deserts, defined as census tracts with more than 50 children under the age of 5 and either no childcare providers or significantly limited options, resulting in a severe shortage of licensed child care slots (Malik et al., 2018).

1.1 What does this mean for time poverty?

The lack of public provisioning of care infrastructure and services, and the disproportionate burden of household production on women, has implications for time poverty, both at the individual and the household/family level.

What should we understand as time poverty?

Over the last decades, the Levy Economic Institute has been at the forefront of recognizing the importance of time for understanding income and poverty dynamics (Zacharias, 2011). As part of this work, they developed a new measure of poverty that incorporates the dimension of time into traditional poverty measures: The Levy Institute Measure of Time and Income Poverty (LIMTIP for short). This measure uses synthetic data in order to incorporate the value of time, or more specifically the amount of resources required to outsource the responsibilities that cannot be covered by the household members, into traditional measures of poverty thresholds. By incorporating this dimension, the LIMTIP not only provides a more comprehensive understanding of poverty but also allows for the identification of the hidden poor, i.e., individuals whose families do not have enough monetary resources to accommodate for the time deficits they face (Antonopoulos et al., 2017; Masterson, 2012; Zacharias et al., 2012, 2014, 2018, 2021).

In principle, individual time poverty refers to the lack of time available for individuals to engage in activities that are essential for taking care of the household, its members, self-care, and paid work. This in itself is a difficult concept to grasp, because every individual has different responsibilities and needs, and thus, different time constraints. To formalize this definition, LIMTIP assumes that all individuals have the same time constraints (168 hours per week) that they need to allocate among household production, personal maintenance, and paid work. Some of these components are identified based on people's decisions (i.e., time spent on paid work), but others are assumed to have some minimum time requirements, such as the case for household production and personal maintenance. If the responsibilities of an individual exceed the 168 hours per week,

To identify time poverty at the household level, LIMTIP imposes the assumption that individuals are unable or unwilling to help those with time deficits. Thus, even if a single individual struggles to meet their responsibilities, the whole family is considered to be living under time poverty. In this framework, as pointed out in (**policybrief_USLIMTIP?**), it is not uncommon to see households with a mixture of time availability (i.e., deficits and surpluses) among its members. In fact, just over 20% of the working-age population are not time-poor but live in a household where at least one person lives under time poverty. Because the LIMTIP assumes household production is the only component that can be shared among household members, this mixture of time availability among household members suggests that not everyone is pulling their weight in terms of household production.

In spite of the growing recognition of the importance of time constraints and the responsibility of household production, the issue of time poverty has received limited attention in the U.S., partially

due to data availability constraints.

What does this mean for Time Poverty in the U.S.? While most of the earlier work on LIMTIP has focused on the analysis of time poverty in developing countries (Masterson, 2012; Masterson et al., 2022; Zacharias et al., 2018), recent work has extended the measure to the U.S. (Zacharias et al., 2024; **policybrief_USLIMTIP?**).¹ Similar to earlier work, one of the findings of (**policybrief_USLIMTIP?**) is that a large share of the population experiences some level of time poverty, which translates into a significant share of households who are *hidden poor*, thus not captured by the official income poverty measure. In this policy brief, we suggest that a significant share of time-poor individuals and households could potentially exit time poverty if household production responsibilities were to be redistributed among its members (similar to Zacharias et al. (2021)).

Following (**policybrief_USLIMTIP?**), this policy brief explores the potential impacts of redistribution further. Using the new estimates for LIMTIP for the U.S., we provide insights into how redistributing household production can reduce the incidence of poverty not only for individuals but also of the households they live in. Specifically, given the marked responsibilities gap between men and women, we focus on analyzing the impact of redistribution among married couples. To do this, we consider three redistribution scenarios based on equality, equity, and opportunity cost principles and assess the impact of redistribution on time poverty of working-age (18-64 years) household members who are part of a heterosexual couple. Further, we present the impacts for different household types, household structures (presence of young children and other members), poverty groups and employment status.

2 How to Measure Time Poverty?: The Levy Institute Measure of Time and Income Poverty

Poverty is a multidimensional concept that goes beyond the simple notion of lack of income. In addition to income, poverty can be understood as a lack of access to resources, including time. The LIMTIP is a metric that, in addition to income poverty, incorporates aspects of time poverty that better capture the control households have over their resources.

As described in (**policybrief_USLIMTIP?**) and (**wp_qmatch?**), the LIMTIP is built using a synthetic dataset that combines information from the American Time Use Survey (ATUS) and the Annual Social and Economic Supplements (ASEC) of the Current Population Survey (CPS). Using this synthetic data, and considering a period of reference, such as hours per week or year, we identify the amount of time individuals would have left (X_{ij}) after engaging in required activities for taking care of their share of responsibilities (α_{ij}) in household production (R_j), personal maintenance (M), and paid work (commuting T_{ij} and time spent at work L_{ij}).[^] The minimum time required for each of the components in 1.

¹This is in addition to the work done for the Levy Institute Measure of Economic Well-Being (LIMEW).

$$X_{ij} = 168 - M - \alpha_{ij}R_j - D_{ij}(L_{ij} + T_{ij}) \quad (1)$$

Based on Equation 1, an individual is classified as time poor if they have a negative time balance.

At the household level, however, we assume that individuals with time surpluses are unable take up extra responsibilities from those with time deficits. In this framework, a household is considered to be time-poor as long as there is at least one person with a time deficit living in the household.² Thus, as stated in Equation 2, the household time deficit is calculated as the sum of all individual time deficits in the household, ignoring any time surpluses that may exist.

$$X_j = \sum_{i=1}^{I_j} \min(X_{ij}, 0) \quad (2)$$

Once household time deficits X_j are identified, the official income poverty thresholds is adjusted to account for the monetized value of the time deficits. For the U.S. case, we use a three-year average hourly wage for the industry private households obtained from Merged Outgoing Rotation Groups (MORG) to value the household time deficit. This value represents the amount of income that may be required to outsource some of the time responsibilities and eliminate time poverty. The adjusted poverty line is then calculated as:

$$Z_j^{adj} = Z_j + 52 * P * |X_j| \quad (3)$$

where P is the price we use to give a monetary value to the time deficits the household j faces, Z_j is the official poverty line (SPM Poverty line), and Z_j^{adj} is the adjusted poverty line. Intuitively, households that are not time-poor will not change status compared to the official poverty estimates. However, households that are time-poor could have their poverty status change if, after considering the adjusted poverty line, they fall below it. This group of households is considered to be the hidden poor.

While there is something to learn from analyzing the impact of the redistribution scenarios across the whole population, we will concentrate only on time poor households, as the goal is to evaluate the potential of redistribution to lift individuals and households out of time poverty. Furthermore, we will focus only on married couples, where both partners are working-age, non-disabled individuals, to explore the impact of redistribution on the gender gap.

3 Where we are: Time Poverty in the United States

Between 2015 and 2019 in the U.S., under LIMTIP definition, an average of 35.0% of all households had at least one member who was time poor. If we restrict this to households with a married couple,

²To identify time poverty status, we only consider the time deficits of household members age 18 or older.

this share increases to 36.1%, providing a glimpse of the higher prevalence of time poverty among married couples. This last group constitutes the focus of our analysis.

Within these time poor households, 52% of the married couples may be classified as time poor, with only 7.8% of other members in the household experiencing time poverty. From this share of time poor married couples, only 44% married men is experiencing time poverty compared to 61% among married women.

Who are the couples in this time poor households?

Table 1 provides an overview of the characteristics of the households where these couples live. The first type of classification we consider is one that classifies households in regards to their potential to exit time poverty via redistribution. We consider three types of households:

- Households where everyone is time poor, thus redistribution cannot eliminate time poverty for the household.
- Households where there is at least one non-time poor individual, but it is insufficient to eliminate time poverty for the household.
- and, Households where the total time surplus is greater than the total time deficit, thus redistribution can eliminate time poverty for all members in the household.

Overall, 5.2% of couples live in a household where all members are time poor, but 76% could potentially leave time poverty if household production responsibilities were perfectly redistributed. Over half of the couples have a young child living with them (56%) and 25% have other members in the household. In terms of employment status, the vast majority of working-age individuals are employed, with 97% of husbands and 91% of wives are working. This is not surprising, as discussed in (policybrief_USLIMTIP?), for most individuals, time poverty is driven by the need to work.

what about other characteristics?

As shown in Table 1, household structure is a critical factor for understanding if redistribution has the potential to reducing time poverty. Households with young children have the lowest chance to exit time poverty (65.5%), compared to other groups. In contrast, the presence of other age-able members in household drastically increases those chances (97.3%). This is not surprising. The presence of young children increases the time demands on the child care activities, as well as overall household activities due to larger size. On the other hand, the presence of a fall back person for the couple greatly increases the potential of redistribution, because of this “other-members” do not typically experience time constraints.

A third pattern observed relates to wife employment status. Families where wives are not currently working show higher potential for time redistribution reducing time poverty. However, this is also observed alongside two other characteristics of these families: they tend to have young children, while also showing a larger proportion of additional household members present.

Table 1: Summary Statistics Population

	All Mem. TP	At Least 1 Mem. NTP	Hhld can exit TP	Has Y. Children	Oth Mem Present	H. Working	W. Working
All	5.2	18.9	75.9	55.8	25.3	97.2	91.3
Has Y. Children	7.3	27.2	65.5	100.0	17.9	97.3	89.3
No Y. Children	2.6	8.3	89.1	0.0	34.6	97.2	93.9
Other H Member	0.1	2.6	97.3	39.5	100.0	96.4	88.9
No Other Member	7.0	24.4	68.7	61.3	0.0	97.5	92.1
Wife Works	5.7	20.4	73.9	54.5	24.7	97.1	100.0
Wife Not Working	0.4	2.8	96.9	69.0	32.2	98.3	0.0

4 Where we are going: Redistribution Scenarios

The idea of redistribution of household production responsibilities follows the principle that everyone in a household should be able to carry out their **fair** share of household work. But what constitutes a fair share? While one could construct many rules and strategies to redistribute household responsibilities within a household, we consider three principles that could guide the redistribution of household production responsibilities among eligible household members.

For the implementation of these scenarios, we consider that all other elements in Equation 1 remain constant with the exception of α_{ij} , which is the share of household production time that each individual i in Household j takes on. The goal is to simulate different α_{ij} based on each redistribution scenario, but maintaining the total share of work done by the eligible household members (all members 18-64). This approach imposes the implicit assumption that all household members are equally efficient at taking care of the household responsibilities.

4.1 Scenario 1: Equal Shares

The first scenario considers the impact of redistributing household production such that all responsibilities are equally distributed across all eligible household members.

$$\alpha_{ij}^E = \frac{1}{I_j} * (1 - \alpha_j^{nw}) \quad (4)$$

where α_{ij}^E represents the redistributed share of individual i ; I_j is the number of working-age persons in household j and α_j^{nw} represents the total share of all non-working age household members. While this principle aligns with the idea of equality, it overlooks time equity by redistributing tasks without taking into consideration the time available to individuals.

4.2 Scenario 2: Time Available

The time available scenario is based on the principles of equity. In contrast with Scenario 1, this one suggests that household responsibilities should be redistributed relative to the available time individuals may have after setting aside the time for personal maintenance requirements, and income generation ($Z_{ij} = 168 - M - D_{ij}(L_{ij} + T_{ij})$).

To implement this, we first calculate the time available (Z_{ij}) for each individual and recalculate the shares α_{ij}^A using the ratio of time available to the total time available among working-age members. For individuals that do not have any time available ($Z_{ij} < 0$), we set it at zero. This ensures that people who already suffer from time poverty are not assigned further tasks within the household. The new share is defined as:

$$\begin{aligned} Z_{ij} &= \max \left(168 - M - D_{ij}(L_{ij} + T_{ij} - E_{ij}(S_{ij}), 0 \right) \\ \alpha_{ij}^A &= \frac{Z_{ij}}{\sum Z_{ij}} (1 - \alpha_j^{nw}) \end{aligned} \quad (5)$$

Because there are individuals (young adults) who may still be in school, we adapt the definition of Z_{ij} by discounting from their available time the average number of hours people spend in education activities per week (S_{ij}). This correction does not affect the time balance used for the identification of the time poor, only the estimation of time available and the adjusted shares α_{ij}^A .

4.3 Scenario 3: Opportunity Cost

The third possibility is based on the idea of opportunity costs along marginalist lines. The sharing rule depends on the earning potentials of individuals, such that individuals with higher potential wages are assigned a lower share of household production time. In principle, this would encourage the most productive members of the household to spend more time in paid work, while those with lower earning potentials would take on more household production responsibilities. However, because we do not implement any changes in the time spend on paid work, we could also interpret this scenario as a bargaining case where members with the highest potential earnings are able to negotiate a lower share of household production time.

For example, if there are only three working-age adults in a household, and where the second member earns twice as much as the first, and the third earns three times as much as the first, the shares of household production would be 1/2, 1/3, and 1/6 respectively. To implement this scenario, we first calculate the inverse of the wage of each individual rw_{ij} , and then calculate the share of household production time as follows:

$$rw_{ij} = \frac{1}{w_{ij}}, \quad \alpha_{ij}^O = \frac{rw_{ij}}{\sum rw_{ij}} (1 - \alpha_j^{nw}) \quad (6)$$

where w_{ij} is the wage of individual i .

Because wage data is not observed for all household members, we use potential/predicted wages for all working-age household members, based on a two step procedure. First, we predict the occupation and industry likelihood for non-working individuals, and second, we model and predict wages for all household members using a method (heckman selection - Heckman (1979)) that accounts why

Table 2: Time Poverty and Transition Rates

	Men				Wife			
	BL	S. 1	S. 2	S. 3	BL	S. 1	S. 2	S. 3
All	43.8	38.7	23.8	26.2	61.0	18.6	22.2	31.5
BL: Time NP	0.0	23.2	19.3	13.7	0.0	6.6	15.6	16.3
BL: Time P	100.0	58.5	29.6	42.1	100.0	26.3	26.4	41.2
Household Type								
All Mem. TP	100.0	95.8	98.3	82.4	100.0	68.7	97.4	81.8
At Least 1 Mem. NTP	40.1	82.4	82.8	55.8	61.0	53.5	80.6	65.1
Hhld can exit TP	40.9	23.9	4.1	14.9	58.4	6.5	2.4	19.7

some people choose not to work in the first place (self-selection). These predicted wages serve as our measure of how valuable each person’s time is.

5 Impact of Redistribution

Because there are many household members that could potentially take on more household production responsibilities, the potential for redistribution is high. However, the effectiveness depends considerably on characteristics of the household, such as the presence of children, the presence of other members, and the employment status of the wife. Furthermore, because the redistribution scenarios are based on a zero-sum game, there are individuals that may not benefit from redistribution.

In terms of incidence of time poverty, see Table 2, women benefit more from redistribution than men, except under Scenario 3. This shows that even the simplistic redistribution rules we defined, the gender wage gap has important implications in terms of women’s time poverty. In terms of numbers, the simulations suggest that Scenario 2 is the most effective in reducing time poverty for both men and women, bringing the share of time poor individuals to 29.6% (men) and 26.4%(women).

These improvements do not come without casualties. Among non-time poor men (baseline), we estimate that up 23% of them could enter time poverty under redistribution scenario 1, with a lower end of 13.7% under scenario 3. In contrast, while there is generally a smaller rate of women falling into time poverty, the transition into poverty rate under scenario 3 (16.3%) is higher than that observed for men. This reinforces the idea that gaps in opportunity costs/bargaining power can have important implications for the redistribution of time could affect time poverty.

The general structure of the household also plays an important role in the effectiveness of redistribution. Even in cases where everyone in the household is time poor, redistribution can still reduce the time poverty status individuals. While this improvements are small for men, there are significant reductions in time poverty for women under the equal shares scenarios (Scenario 1). As

we will see later, however, this should not be interpreted as a general improvement, as someone else in the household will have to take on the extra responsibilities, and thus increasing their own and the household time deficit.

The results that appear to be the most paradoxical relate to households where there are non-time poor individuals, but the total time surplus is not enough to eliminate time poverty. Based on individual time poverty alone, it may seem that all redistribution scenarios have a negative impact on both husbands and wives. This, however, is also in contrast with the fact that time deficits would be decreasing, despite the increase in time poverty incidence.

Lastly, for household that can exit time poverty, most of their members (husband and wife) will exit time poverty. And just as described before, both men and women benefit greatly under Scenario 2, with scenario 1 being the least favorable for men, and scenario 3 the least favorable for women.

The role of household Structure

The results we just presented provides us with a first picture of the potential of redistribution to reduce time poverty. However, the effectiveness of redistribution also depends on the structure of the household. There are two factors, as observed in Table 3, that are important to understand how effective redistribution can be: the presence of young children and the presence of other members in the household.

On the one hand, presence of young children (14 years or younger) will have a large impact on the requirements of household production, mostly in the form of child care activities, without the possibility of the children taking on any of the responsibilities.³ On the other hand, if there are other members in the household, the potential for redistribution is higher, as these members could potentially take on some of the responsibilities of the couple.

Interestingly, at baseline, the presence of children, and presence of other household members, are weakly associated with time poverty differences across husband and wife. The small differences we observe are as expected, with somewhat higher levels of time poverty across households with children, and households without other members.

When considering the impact of the redistribution scenarios, we find a clear pattern that the presence of children and absence of other members have a very similar impact reducing the effectiveness of redistribution scenarios. In both cases, the reduction in time poverty we estimate for women is still larger than that for men. This highlights how much more work women do in taking care of the household, specially providing primary child care, as well as absorbing most of the responsibilities of the household production, when there are no other members to share the responsibilities. This also explains why, when redistribution is applied, the reduction in time poverty is more limited for husbands.

Income and Employment

³By construction, the ATUS does not collect information on time use of individuals younger than 15

Table 3: Time Poverty by Household Structure

	Men				Wife			
	BL	S. 1	S. 2	S. 3	BL	S. 1	S. 2	S. 3
Yng Children Presence								
No Children	43.1	24.1	13.0	17.0	59.0	11.4	11.4	19.6
With Children	44.4	50.2	32.5	33.4	62.6	24.4	30.7	41.0
Other Members in HH								
No	44.4	43.8	29.4	31.8	62.0	21.9	27.5	39.1
Yes	41.9	23.6	7.5	9.6	58.1	9.0	6.3	9.3

Table 4: Time Poverty by Income

	Men				Wife			
	BL	S. 1	S. 2	S. 3	BL	S. 1	S. 2	S. 3
Income/Pline								
< PLine	44.7	35.3	12.1	24.3	55.9	10.8	11.1	20.5
1-2 x Pline	42.0	39.4	19.8	25.4	59.9	16.8	17.7	28.6
2-4 x Pline	42.9	38.2	24.7	26.1	61.7	18.7	22.9	31.1
>4 x Pline	45.9	39.1	26.1	26.8	61.3	20.4	24.7	34.7
Wife Work Status								
Not Working	83.3	65.9	8.6	48.9	9.9	0.0	2.5	0.1
Working	40.0	36.1	25.3	24.0	65.9	20.4	24.0	34.5

One last aspect to consider is to analyze if there is any heterogeneity in the estimated impact of redistribution based on the household overall income or the employment status of the wife. We do not consider the employment status of the husband, because 97.2% of husbands are employed, and thus, there is little variation to analyze. We should also remember that we concentrate on households that are time poor, and thus are less likely to be income poor, because one or both of the partners are employed.

We first consider the impact of redistribution based on the household income, or more specifically, the income-to-poverty-line ratio. Interestingly, it may seem that time poverty, at baseline, does not discriminate across income groups, showing similar levels across the income distribution. Although we do observe a slightly lower share of time poor women (55.9%) in the lowest income group, compared to average of 61.0%.

For men, there is very little variation in the impact of redistribution across income groups for scenarios 1 and 3. It may seem that men will either increase their share of household production (Scenario 1) or will take advantage of the opportunity cost of time (Scenario 3), regardless of the

income. For Scenario 2, however, we observe that redistribution is more effective in reducing time poverty for those in the lowest income group.

What is more interesting is that the same pattern of decreasing effectiveness of redistribution policies is also observed among women, for all scenarios. A possible explanation is that the share of employed men does not vary much across income groups. However, the share of non-employed women goes from 30% in the lowest income group, to 5% in the highest income group. This means that for people in the highest income group, there is less room for redistribution because both husband and wife are employed. However, because women still take on most of the household production, the impact of redistribution is still higher for them compared to men

What about the Hidden Poor?

One of the main contributions of the LIMTIP is the identification of the hidden poor, i.e., individuals who are not classified as poor based on official poverty estimates but are classified as such when one accounts for the time deficits they face. For our sample, we estimate that 4.7% of the population who is not classified as officially poor, fall under this definition with when we adjust time deficits. However, if any of the redistribution scenarios were to be implemented, the share of hidden poor could be reduced to 1.8-0.7%.

When considering household characteristics, redistribution scenarios could actually increase hidden poverty in households where everyone is time poor, but can be greatly reduced whenever there is room for redistribution. For example, if the household has the potential to exit time poverty, redistribution based on the time available principle could almost eliminate the share of hidden poor (0.1%).

Lastly, when the wife is working, redistribution based on equal shares or opportunity cost are almost ineffective in reducing the share of hidden poor, probably because the wife is already doing the bulk of household production, and redistribution would only increase the time poverty of other members. However, if she is working, as is the case for 91% of the sample, redistribution will help reduce the double burden of time women face.

6 Policy Implications: Opportunities and Challenges

Redistribution can reduce time poverty, but only so much

Which is more effective? Are the results consistent with expectations?

What about based on household characteristics?

7 Conclusion/recommendations

This policy brief has examined the potential of redistributing household production responsibilities to alleviate time poverty in the United States. Using the Levy Institute Measure of Time and

Table 5: Hidden Poor by Characteristics

	Baseline	Scenario 1	Scenario 2	Scenario 3
All	4.7	1.8	0.7	1.8
Household Type				
All Mem. TP	5.3	5.9	5.7	5.8
At Least 1 Mem. NTP	6.9	3.2	1.8	3.4
Hhld can exit TP	4.1	1.2	0.1	1.1
Yng Children Presence				
No Children	2.5	0.7	0.2	0.7
With Children	6.6	2.7	1.1	2.6
Other Members in HH				
No	4.5	2.1	0.9	2.1
Yes	5.5	1.1	0.2	0.9
Income/Pline				
1-2 x Pline	22.9	8.6	3.3	8.3
2-4 x Pline	0.3	0.2	0.1	0.2
Wife Work Status				
Not Working	7.8	7.6	0.5	5.1
Working	4.5	1.3	0.7	1.5

Income Poverty (LIMTIP), we have shown that time poverty is a significant issue affecting 38.7% of individuals living in time-poor households. Our analysis of three redistribution scenarios - based on equality, equity, and opportunity cost principles - reveals that such redistributions can significantly reduce time poverty, particularly in households where time surpluses exceed time deficits.

These findings underscore the importance of integrating time poverty in poverty alleviation efforts. They also highlight the potential of intra-household redistribution as a policy tool to promote gender equality and improve overall household well-being. However, the varying effects across household types, household structures, poverty groups and employment status of wives, along with variations across redistribution scenarios suggest that a one-size-fits-all approach may not be optimal and a targeted tailored approach is needed.

In conclusion, while redistribution of household production is promising in alleviating time poverty, and the hidden poor, it should be considered as part of strategies that also addresses societal and structural factors affecting time and income poverty.

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