



Shelter From The Storm: TANF, Assets, And The Great Recession

By: **Leah Hamilton**¹, Ben Alexander-Eitzman¹, and Whitney Royal¹

Abstract

A growing body of literature suggests that asset limits in public assistance are associated with low savings rates among low-income families. Several states have begun eliminating or significantly increasing asset limits in an attempt to address potential disincentives. The primary concern for other states, however, appears to be the possibility that caseloads would increase to unsustainable levels, especially in times of economic recession. Five states that eliminated or increased asset limits during the Great Recession were analyzed for changes in caseload size after the rule change. Results suggest that there is no significant relationship between asset limits and caseload size.

Hamilton, L., Alexander-Eitzman, B., Royal, W. (2015). "Shelter From the Storm: TANF, Assets, and the Great Recession." *SAGE Open*, January-March 2015: 1-6. DOI: 10.1177/2158244015572487. Version of record available at: <http://journals.sagepub.com/doi/full/10.1177/2158244015572487>

Shelter From the Storm: TANF, Assets, and the Great Recession

SAGE Open
 January-March 2015: 1–6
 © The Author(s) 2015
 DOI: 10.1177/2158244015572487
 sgo.sagepub.com


Leah Hamilton¹, Ben Alexander-Eitzman¹, and Whitney Royal¹

Abstract

A growing body of literature suggests that asset limits in public assistance are associated with low savings rates among low-income families. Several states have begun eliminating or significantly increasing asset limits in an attempt to address potential disincentives. The primary concern for other states, however, appears to be the possibility that caseloads would increase to unsustainable levels, especially in times of economic recession. Five states that eliminated or increased asset limits during the Great Recession were analyzed for changes in caseload size after the rule change. Results suggest that there is no significant relationship between asset limits and caseload size.

Keywords

economic development, economic science, social sciences, public administration and public policy, political science, social work, public administration, and non-profit management, management

Many American domestic policies are aimed at encouraging middle-class families to save and build financial assets, including tax-sheltered retirement contributions, 529 plans, and mortgage interest deductions. These assets play an important role in a family's economic and psychosocial well-being. Household savings can be especially critical in times of recession and high unemployment. Programs aimed at the very poor, however, often discourage savings and financial independence.

Beginning in the early 1980s, social welfare policy moved toward a “stick” approach in public assistance eligibility, eliminating the “carrot” of wealth accumulation that plays a prominent role in the middle-class tax policies mentioned above (McDonald, Orszag, & Russell, 2005). Meanwhile, private sector policy shifted in a similar direction with the decline of employer provided pension funds. These changes in the public and private sectors have coincided with a growing gap in wealth accumulation between the highest and lowest income households (McKernan, Ratcliffe, Steuerle, & Zhang, 2013). Of the myriad explanations for this disparity, restrictive eligibility rules may play an important role. For example, low resource limits (maximum allowable financial assets for eligibility) in the Temporary Assistance for Needy Families (TANF) program are associated with lower savings rates among all low-income families, *not just those receiving TANF* (Nam, 2008).

For this reason, several states have eliminated or significantly increased asset limits for TANF eligibility. While some worry that allowing applicants to maintain greater assets would cause an unsustainable swelling of caseload size, two

early adopters of elimination from Ohio (eliminated in 1997) and Virginia (eliminated in 2004), found that caseloads actually decreased after this change (Parrish, 2005). However, five other states that eliminated or significantly increased their asset test (Alabama, Colorado, Delaware, Los Angeles, and Maryland) did so between 2007 and 2011, in the midst of the Great Recession, so it is important to determine whether this policy continues to be workable during periods of increased social need. The aim of this study is to ascertain whether elimination or significant increase of the asset test is associated with changes in caseload size since the beginning of the Great Recession.

Literature Review

Asset building is an important source of security for families, especially in times of economic crisis. In essence, “poverty is a trap of low assets” (Schreiner & Sherraden, 2006, p. 385). Low-income households that tend to have limited savings run the risk of financial ruin due to a sudden medical emergency, immediate household needs, and so on. Ownership of assets also shifts people's concepts about the future and by casting the future in a positive light, actually improves well-being in the present. A study by Yadama and Sherraden

¹Appalachian State University, Boone, NC, USA

Corresponding Author:

Leah Hamilton, Department of Social Work, Appalachian State University, Edwin Duncan Hall, 202A, Boone, NC 28608, USA.
 Email: hamiltonl@appstate.edu



(1996) based on data collected from the Panel Study of Income Dynamics (PSID), an ongoing longitudinal survey of 5,000 families, supported the idea that assets positively influence expectations and confidence about the future and encourage people to make specific plans with regard to work and family. Furthermore, a positive association exists between a mother's assets (home ownership and savings) and a child's educational achievements (Zhan & Sherraden, 2003).

Asset limits in social programs, such as TANF, have traditionally been put in place to allocate assistance to people without the means to support themselves. Those who fall above the set asset limits are deemed capable of self-sufficiency and are therefore excluded from assistance programs. However, some have argued that asset tests actually discourage savings (Chen & Lerman, 2005; Rand, 2007). A study by Hubbard, Skinner, and Zeldes (1995) found that asset-based social programs are associated with low savings accumulation among low-income households. The authors suggest that this is due to a lack of incentive to save, because saving will disqualify families from social programs instead of guaranteeing self-sufficiency. With many limits as low as US\$2,000 (Urban Institute, 2010), saving even US\$2,001 would make a family ineligible for assistance but practically unable to weather any but the smallest financial setback.

States were allowed greater flexibility in setting asset limits for Aid to Families with Dependent Children until the Omnibus Budget Reconciliation Act of 1981, which created much lower allowances (US\$1,200 for a vehicle and US\$1,000 in other liquid assets) than many states had previously set (McDonald et al., 2005; Nam, 2008). Powers (1998) studied changes in savings behaviors among low-income, female-headed households before and after 1981 and discovered that savings decreased by an average of 25 cents for every dollar decrease in asset limit. States were once again allowed to set asset limits after the passage of the Personal Responsibility and Work Opportunity Reconciliation Act of 1996 (PRWORA); however, many states have yet to change limits from levels established in the 1980s (McDonald et al., 2005).

Increased resource limits are associated with the accumulation of multiple types of assets, including savings accounts, vehicle ownership, and savings for retirement. Hurst and Ziliak (2006) reviewed changes in savings among low-income families after passage of the PRWORA. In states with expanded TANF asset limits, single mothers were 13% more likely to own a car for every US\$1,000 increase in asset allowance. Similar studies have suggested that lessening asset restrictions on vehicle ownership can lead to eligible individuals increasing vehicle assets (Bansak, Mattson, & Rice, 2010; Owens & Baum, 2012; Sullivan, 2006). Owens and Baum (2012) found that eliminating vehicles from asset tests is associated with increased vehicle ownership by anywhere from 8% to 20%. Vehicle ownership in turn makes it easier for people to access jobs and resources, further increasing a family's economic security.

Since the 1980s, many companies have made a vast shift from employer-managed pension plans toward retirement saving plans managed mainly by employees, such as Individual Retirement Accounts (IRAs) and 401Ks. Meanwhile, most asset-limit restrictions have not been re-evaluated. As is, low asset-limit rules are in fact a disincentive for many families to save for retirement (McDonald et al., 2005). Significantly, the longer a state has allowed increased assets in TANF eligibility, the more likely low-income families are to accumulate savings and have bank accounts (Nam, 2008).

In summary, wealth accumulation for low-income households is an essential element of both financial and psychosocial well-being. Eligibility rules for TANF have the potential ability to either reward or penalize this behavior. Ohio was the first state to eliminate TANF asset limits in 1997 (Rand, 2007). Although a slight increase in caseload was expected, caseloads actually remained at a record low and Ohio received high-performance bonuses for labor force attachment. Virginia has experienced a similar lack of caseload increase since an administrative rule change in 2004 that eliminated TANF asset limits. Virginia's Department of Social Services has also predicted that eliminating the asset test could "increase the assistance provided by US\$127,200 for 40 families and provide US\$323,050 savings in administrative staff time annually" (Rand, 2007, p. 629), in essence saving the state money. These anecdotal findings ought to be more thoroughly investigated in order to determine the practical viability of elimination. The aim of this study, therefore, is to investigate the effect of significantly raising or canceling the asset limit on TANF caseloads by state.

Method

Data on the asset limits for TANF eligibility by state are available via the Urban Institute's (2010) Welfare Rules Databook. Data on the caseloads by state and total caseloads for the United States as a whole are available via the Administration for Children and Families (2013). The asset-limit data available by state was first screened to identify states that had *substantially* raised, or *abolished*, their non-vehicular asset limits between 2007 and 2011. *Substantially*, here, implies a raise of the limit to \geq US\$10,000. This amount was chosen, as it is consistent with recommendations by advocacy organizations such as the Corporation for Enterprise Development and proposed in President Obama's 2011 budget (Greer & Levin, 2014). The five states fitting these criteria are listed in Table 1.

Alterations in the non-cash asset limits (vehicles, IRAs, 529s, Individual Development Accounts (IDAs), 401Ks, etc.) by state will not be considered for the purposes of this analysis for two reasons. First, these criteria vary significantly in type and detail between states, which makes a cross-state comparison very difficult and of little explanatory value. Second, in the instance of vehicles, the non-cash asset limit is likely to have little effect on the saving habits of

Table 1. States With Eliminated or Significantly Increased Asset Limits.

State	Asset limit	Rule change
Alabama	No limit	Eliminated as of 10/1/09
Colorado	No limit	Increased to US\$15,000 in 10/2006 Eliminated entirely as of 1/7/2011.
Delaware	US\$10,000	Increased as of 9/1/09
Louisiana	No limit	Eliminated as of 1/1/09
Maryland	No limit	Eliminated as of 5/1/10

lower-income individuals and families, because one cannot, by definition, save a non-cash asset.

Of the states that fit our criteria for asset-limit changes in the time frame, the total number of individual TANF recipients per month was analyzed. Monthly caseload data are given in 15-month periods, running from the start of the Federal fiscal year to the end of the following calendar year. This means that the data for October to December for each year overlap with the following year's data from the Administration for Children and Families website and occasionally are subject to revision. This was not the case for any of the states in this study, so no adjustments to the figures were necessary.

The TANF caseload analysis will answer two questions: (a) How has the caseload changed since the rule change for each state? and (b) How has the rate of increase (or decrease) of new caseloads changed since the asset-limit change for each state?

We have transformed the monthly caseload data from the ordinary calendar style so that all months are now reckoned relative to the month of the rule change in that state, which we denote as Month 0. To test for significant changes in caseloads over time, we use a segmented regression model (Wagner, Soumerai, Zhang, & Ross-Degnan, 2002). The Durbin-Watson test was used to evaluate the level of autocorrelation among errors (Durbin & Watson, 1950), and when significant autocorrelation was present, we used an Autoregressive Integrated Moving Average (ARIMA) model to reduce bias in the estimates of intercept and slope changes for each state.

A second method to address the question of how abrupt policy changes may be affecting caseloads over time is to look for unique "change points" in the time series trends. To find the most likely change points in the time series for each state, a bootstrapping search algorithm was applied to the entire time series (Muggeo, 2003, 2008). Starting values of 24 months and 32 months were used for the search patterns to allow for any lag in the implementation of the policies. Even with these starting points, the algorithm can efficiently search all possible segments dividing points for the most likely change point values. All analyses were performed using the *R* statistical programming language (R Development Team, 2013).

Findings

To compare the different state caseload trends visually on the same graphic, caseload numbers were transformed to represent a percentage increase or decrease compared with the zero time point. Also, the time variable was centered such that the zero point for each state represents the date of the policy change. A cursory visual inspection of the time series for the five states under consideration reveals no common trend in behavior in the 2 years following the rule change (Figure 1). Colorado (asset-limit change in October 2006)¹ shows a drop in caseload of around 30% relative to the Month 0 caseload. Virginia (September 2004) shows a slight drop in caseload of less than 10%. Alabama, Delaware, and Maryland show minor or moderate increases in caseload (<20%) relative to Month 0. Louisiana shows a periodic rise and then fall of caseloads, which may indicate a seasonal employment relationship of some kind.

Estimates for any change in caseload levels and slopes are shown in Table 2. As is evident from Figure 1, every state had first- or second-order trends in the time series. Durbin-Watson tests for each timeline indicated that error terms were in fact correlated, so the point estimates in Table 2 are from ARIMA regression models.

When the existing trends in the data are taken into account, Louisiana is the only state with significant changes in either level or slope of caseloads. Compared with the 24 months prior to the policy change in Louisiana, there was an average decrease in the TANF caseload of approximately 1,000 cases and concomitant rise in the number of cases added per month of approximately 230 cases.

The change point analysis reveals a similarly inconsistent pattern of changes in caseload trends both before and after the policy changes. Estimated change points and fitted regression lines for the resulting segments are shown in Figure 2. The two estimated change points for Louisiana, for example, were approximately 8 and 12 months *before* any policy changes took effect, so it is unlikely that any increases in caseloads over the 4-year period examined could be attributed to any change in asset limits for TANF. The states of Alabama, Delaware, and Maryland had estimated change points after the change in asset limits (14.5, 14.6, and 19.7 months, respectively). In all three of these cases, the change points were associated with sharp downward trends in TANF caseloads. In the case of Colorado, there does seem to be a leveling off in what had been an already decreasing trend in TANF caseloads that occurs at approximately 10.3 months after the change in asset limits. This could be a lagged effect of the policy changes, but it would be difficult to assign a cause without further analysis.

In summary, a large increase in asset limits for TANF eligibility, or the abolishment of those limits, does not appear to have any causal affect to increase either the number of caseloads or the rate of caseload growth in any of the states examined.

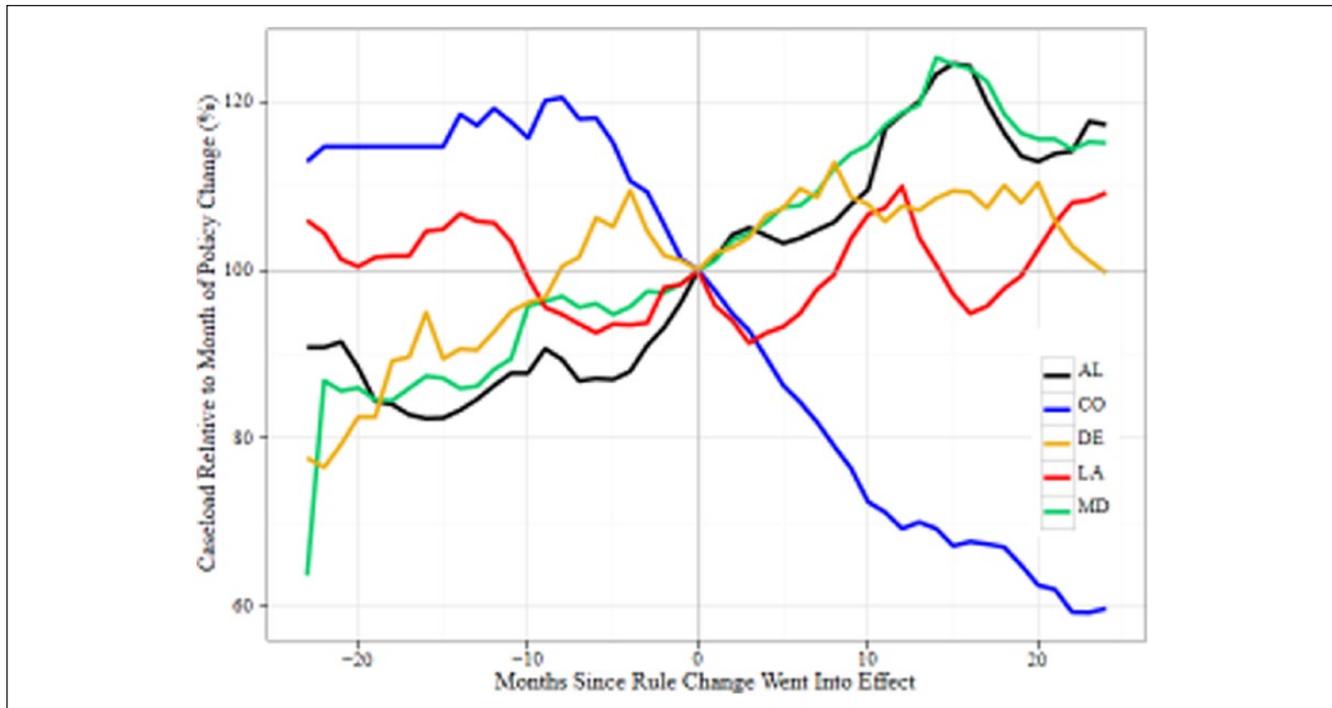


Figure 1. Relative caseload by state for the period encompassing the change in asset limits by state.

Table 2. Changes in TANF Caseload in the 24 Months Before and After Asset-Limit Rule Change.

State	Level change estimate		Slope change estimate		Change point estimate	
	Monthly	<i>p</i>	Slope	<i>p</i>	Point 1	Point 2
Alabama	-786.43	.36	66.20	.91	-6.3	14.5
Colorado	-123.13	.84	-363.01	.15	-7.1	10.3
Delaware	40.81	.94	-157.03	.40	4.5	14.6
Louisiana	-1,001.25	.02	231.44	.01	-11.9	-7.6
Maryland	1,091.73	.47	-620.93	.11	-6.0	19.7

Note. Change point indicates month at which caseload change is estimated in the 24 months before and after the rule change, ranging from -24 to 24. Therefore, a Point-1 value of -6.3 would indicate that the first change is estimated to have occurred 6.3 months before the rule change (Month 0), and a Point-2 value of 14.5 is estimated to have occurred 14.5 months after the rule change. TANF = Temporary Assistance for Needy Families.

Discussion

We are aware that the data set is small, and conclusions cannot be drawn from it without caution. However, the fact that the states in this data set enacted their rule changes during the height of the worst economic recession in living memory and still found *no* associated increase in caseload or rate of caseload growth is, we submit, powerfully suggestive of the idea that the asset limit does not affect TANF caseloads. Because each state appears to be experiencing its own individual caseload trajectory independent of the asset-limit rule change, it is possible that local-level factors are influencing the change, including economic conditions or additional policy changes that either restrict or liberalize eligibility.

It would be difficult to design a deeper test of this idea than to substantially raise the asset limits for TANF eligibility in

three states whose unemployment rates were, at the time of the rule change, at least three percentage points higher than the average rate in the decade prior to the recession (Bureau of Labor Statistics, 2013). We regard the lack of impact of asset-limit changes on caseload in these cases as powerful evidence suggesting that these two factors are not correlated.

The ability to build assets is critical to the financial stability of low-income families, especially in times of economic recession. However, previously discussed research suggests that low asset limits in public assistance create a disincentive for the poor to save and sends a message that savings is discouraged. The greatest barrier to remediation appears to be a political one (Sprague & Black, 2012). Legislators and state human service administrators in many states fear that this rule change would “open the floodgates” to persons with large financial assets and eventual

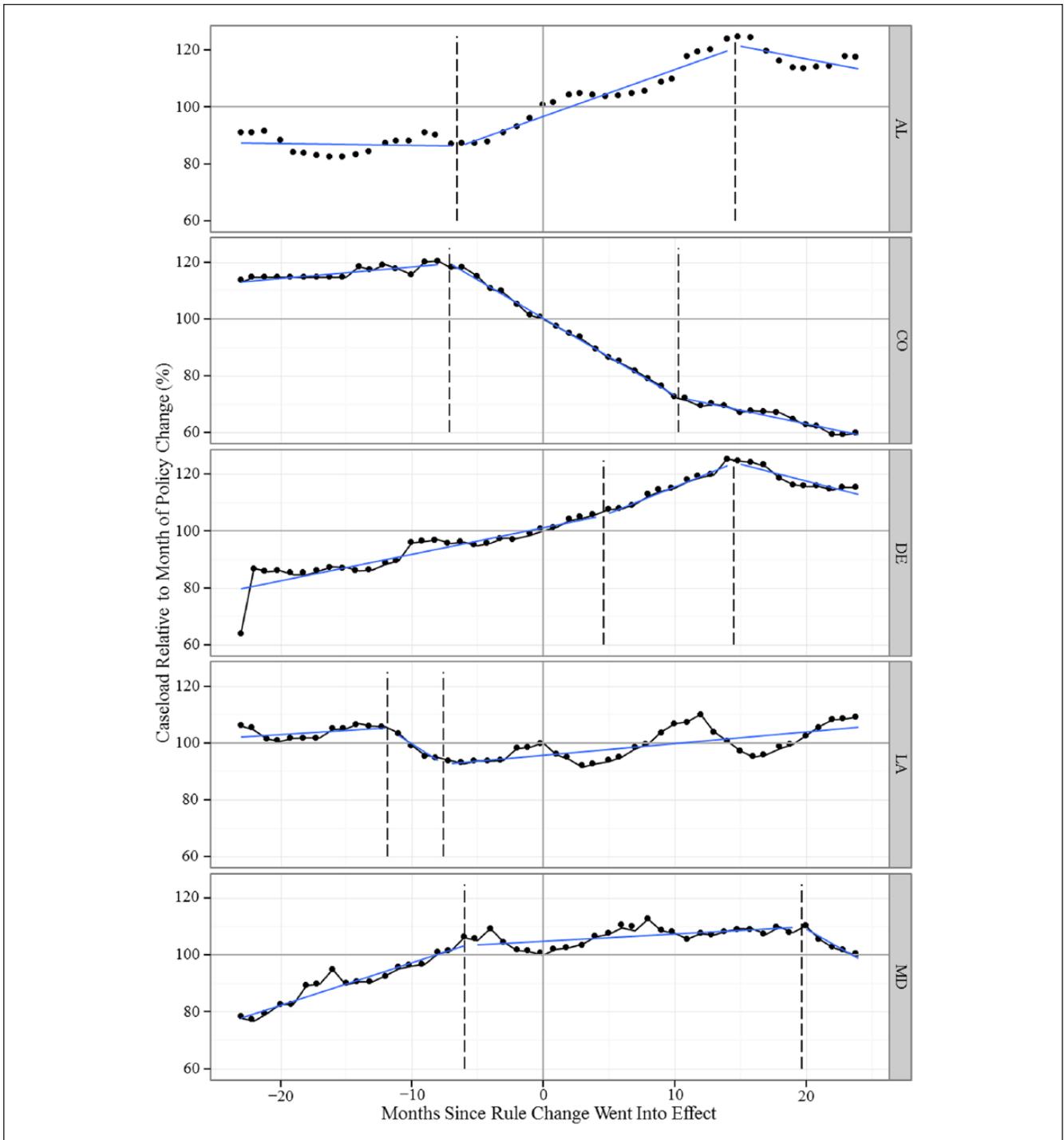


Figure 2. State caseload time series with estimated change points.

misuse of public funds. These fears have been fueled by media reports of a lottery winner continuing to receive assistance after elimination of the asset test (Susman, 2012). This anecdotal information must be supplemented by empirical research regarding the true effect on caseload size. This analysis of five states that have eliminated their asset test in the midst of the greatest economic decline since

the Great Depression is especially relevant as a measure of the safety net's stability in times of greatest citizen need. Future research ought to explore whether the elimination or significant increase of the asset limit has indeed boosted savings rates among low-income families, as predicted by research conducted prior to these changes (Hurst & Ziliak, 2006; Nam, 2008).

Declaration of Conflicting Interestss

The author(s) declared no potential conflicts of interest with respect to the research, authorship, and/or publication of this article.

Funding

The author(s) received no financial support for the research and/or authorship of this article.

Note

1. The elimination of the asset limit in 2011 does not yet have sufficient post-elimination data to be able to make a judgment on its effect on overall caseload.

References

- Administration for Children and Families. (2013). *Data & reports*. Washington, DC. Retrieved from <http://www.acf.hhs.gov/programs/cb/research-data-technology/statistics-research>
- Bansak, C., Mattson, H., & Rice, L. (2010). Cars, employment, and single mothers: The effect of welfare asset restrictions. *Industrial Relations: A Journal of Economy and Society*, 49, 321-345. Retrieved from <http://doi.wiley.com/10.1111/j.1468-232X.2010.00603.x>
- Bureau of Labor Statistics. (2013). *Employment status of the civilian noninstitutional population, 1943 to date*. Washington, DC. Retrieved from <http://www.bls.gov/cps/cpsaat01.pdf>
- Chen, H., & Lerman, R. I. (2005). *Do asset limits in social programs affect the accumulation of wealth?* Washington, DC: The Urban Institute.
- Durbin, J., & Watson, G. S. (1950). Testing for serial correlation in least squares regression. I. *Biometrika*, 37, 409-428. doi:10.2307/2332391
- Greer, J., & Levin, E. (2014). *Lifting asset limits helps families save*. Washington, DC: Corporation for Enterprise Development. Retrieved from http://cfed.org/assets/pdfs/Policy_Brief_Asset_Limits.pdf
- Hubbard, R. G., Skinner, J., & Zeldes, S. P. (1995). Precautionary saving and social insurance. *Journal of Political Economy*, 103, 360-399.
- Hurst, E., & Ziliak, J. P. (2006). Do welfare asset limits affect household saving? *The Journal of Human Resources*, 41(1), 46-71.
- McDonald, G., Orszag, P., & Russell, G. (2005). *The effect of asset tests on saving*. Washington, DC. Retrieved from <http://www.cbpp.org/files/6-21-05socsec-meth.pdf>
- McKernan, S.-M., Ratcliffe, C., Steuerle, E., & Zhang, S. (2013). *Less than equal: Racial disparities in wealth accumulation*. Washington, DC: Urban Institute. Retrieved from <http://www.urban.org/UploadedPDF/412802-Less-Than-Equal-Racial-Disparities-in-Wealth-Accumulation.pdf>
- Muggeo, V. (2003). Estimating regression models with unknown break-points. *Statistics in Medicine*, 22, 3055-3071. doi:10.1002/sim.1545
- Muggeo, V. (2008). Segmented: An R package to fit regression models with broken-line relationships. *R News*, 8(1), 20-25.
- Nam, Y. (2008). Welfare reform and asset accumulation: Asset limit changes, financial assets, and vehicle ownership. *Social Science Quarterly*, 89, 133-154.
- Owens, M. F., & Baum, C. L. (2012). The effects of welfare vehicle asset rules on vehicle assets. *Applied Economics*, 44, 1603-1619. doi:10.1080/00036846.2010.548783
- Parrish, L. (2005). *To save, or not to save? Reforming asset limits in public assistance programs to encourage low-income Americans to save and build assets*. Washington, DC: New America Foundation.
- Powers, E. T. (1998). Does means-testing welfare discourage saving? Evidence from a change in AFDC policy in the United States. *Journal of Public Economics*, 68(1), 33-53.
- Rand, D. (2007, March-April). Reforming state rules on asset limits: How to remove barriers to saving and asset accumulation in public benefit programs. *Clearinghouse Review: Journal of Poverty Law and Policy*, 625-636.
- R Development Team. (2013). *R: A language and environment for statistical computing*. Retrieved from http://web.mit.edu/r_v3.0.1/fullrefman.pdf
- Schreiner, M., & Sherraden, M. (2006). *Can the poor save? Saving and asset building in individual development accounts*. New Brunswick, NJ: Transaction Publishers.
- Sprague, A., & Black, A. (2012). *State asset limit reforms and implications for federal policy*. Washington, DC: New American Foundation.
- Sullivan, J. (2006). Welfare reform, saving, and vehicle ownership: Do asset limits and vehicle exemptions matter? *Journal of Human Resources*, 41, 73-105.
- Susman, T. (2012, October). Lottery winner who drew outrage for getting welfare is found dead. *Los Angeles Times*. Retrieved from <http://articles.latimes.com/2012/oct/02/nation/la-na-nm-michigan-lottery-food-stamps-20121002>
- Urban Institute. (2010). *Asset limits for applicants* (Welfare Rules Database). Washington, DC. Retrieved from <http://anfdata.urban.org/wrd/tables.cfm>
- Wagner, A. K., Soumerai, S. B., Zhang, F., & Ross-Degnan, D. (2002). Segmented regression analysis of interrupted time series studies in medication use research. *Journal of Clinical Pharmacy and Therapeutics*, 27, 299-309. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/12174032>
- Yadama, G., & Sherraden, M. (1996). Effects of assets on attitudes and behaviors: Advance test of a social policy proposal. *Social Work Research*, 20, 3-11.
- Zhan, M., & Sherraden, M. (2003). Assets, expectations, and children's educational achievement in female-headed households. *Social Service Review*, 77, 191-211. doi:10.1086/373905

Author Biographies

Leah Hamilton, MSW, PHD is an Assistant Professor of Social Work at Appalachian State University.

Ben Alexander-Eitzman is an Assistant Professor of Social Work at Appalachian State University.

Whitney Royal served as Dr. Hamilton's Graduate Assistant for this project.