Supplementary Materials for

**Kim, H., Young Kim, Y., Song, E.-J., & Windsor, L. (2023). Policies to reduce child poverty and child maltreatment: A scoping review and preliminary estimates of indirect effects. Children and Youth Services Review, 107311.** [**https://doi.org/10.1016/j.childyouth.2023.107311**](https://doi.org/10.1016/j.childyouth.2023.107311)

This file includes:

Tables S1-S6

**Table S1.** Search Terms, Databases, and Search Fields.

|  |  |
| --- | --- |
| Search terms | Databases  (search fields) |
| "Earned Income Tax Credit" AND "Poverty" AND ("national" OR "state" OR "states" OR "county" OR "counties" OR "zip code" OR "zip codes" OR "tract" OR "tracts" OR "block group" OR "block groups" OR "neighborhood" OR "neighborhoods" OR "community" OR "communities") | EBSCO  (title, subject terms, abstract)  ProQuest  (anywhere except full text)  Scopus  (title, abstract, keywords)  Web of Science  (topic: title, abstract, indexing)  PubMed  (title, abstract) |
| “Child and Dependent Care Tax Credit” AND "Poverty" AND ("national" OR "state" OR "states" OR "county" OR "counties" OR "zip code" OR "zip codes" OR "tract" OR "tracts" OR "block group" OR "block groups" OR "neighborhood" OR "neighborhoods" OR "community" OR "communities") |
| "Child Tax Credit" AND "Poverty" AND ("national" OR "state" OR "states" OR "county" OR "counties" OR "zip code" OR "zip codes" OR "tract" OR "tracts" OR "block group" OR "block groups" OR "neighborhood" OR "neighborhoods" OR "community" OR "communities") |
| “Child Allowance” AND "Poverty" AND ("national" OR "state" OR "states" OR "county" OR "counties" OR "zip code" OR "zip codes" OR "tract" OR "tracts" OR "block group" OR "block groups" OR "neighborhood" OR "neighborhoods" OR "community" OR "communities") |
| (“Supplemental Nutrition Assistance Program” OR “Food Stamp”) AND "Poverty" AND ("national" OR "state" OR "states" OR "county" OR "counties" OR "zip code" OR "zip codes" OR "tract" OR "tracts" OR "block group" OR "block groups" OR "neighborhood" OR "neighborhoods" OR "community" OR "communities") |
| (“Housing Voucher” OR “Housing Choice Voucher” OR “Section 8” OR "Housing Subsidy" OR "Housing Subsidies" OR "Subsidized Housing") AND "Poverty" AND ("national" OR "state" OR "states" OR "county" OR "counties" OR "zip code" OR "zip codes" OR "tract" OR "tracts" OR "block group" OR "block groups" OR "neighborhood" OR "neighborhoods" OR "community" OR "communities") |

**Table S2.** Linear Multilevel Model of County Child Poverty Rate on County Child Maltreatment Report Rates, United States, 2014

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fixed effects** | **Coefficient** | **Standard error** | **t** | **p** |
| Intercept | 50.48 | 2.37 | 21.32 | < .0001 |
| Child poverty rate (% children in poverty) | 1.24 | 0.11 | 11.78 | < .0001 |
| % Black children among resident children | -0.29 | 0.06 | -4.72 | < .0001 |
| % Latino children among resident children | -0.04 | 0.06 | -0.66 | .5104 |
| % foreign-born among residents | -0.74 | 0.09 | -8.52 | < .0001 |
| % children among residents | -1.66 | 0.27 | -6.11 | < .0001 |
| % elderly persons (≥ age 65) among residents | -0.71 | 0.26 | -2.79 | .0054 |
| % male among adults aged 20-64 | 0.76 | 0.48 | 1.59 | .1120 |
| % children with disabilities | 3.76 | 0.59 | 6.35 | < .0001 |
| % moved in one year | 0.18 | 0.20 | 0.89 | .3729 |
| Urbanicity |  |  |  |  |
| Large urban | reference |  |  |  |
| Small urban | -1.37 | 1.23 | -1.11 | .2664 |
| Rural | -5.45 | 1.80 | -3.03 | .0026 |
| **Random effect** | **Variance** | | | |
| State-level: Intercept | 218.24 | | | |
| Observation-level | 84.22 | | | |

*Note*. N = 627 counties. All estimates were weighted by county child populations. This model is corresponding to the first row’s (year = 2014) linear multilevel modeling results in Table 2 in the main text.

**Table S3.** Linear Multilevel Model of County Child Poverty Rate on County Child Maltreatment Report Rates, United States, 2015

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fixed effects** | **Coefficient** | **Standard error** | **t** | **p** |
| Intercept | 51.00 | 2.67 | 19.10 | < .0001 |
| Child poverty rate (% children in poverty) | 1.19 | 0.11 | 10.93 | < .0001 |
| % Black children among resident children | -0.26 | 0.06 | -4.16 | < .0001 |
| % Latino children among resident children | -0.04 | 0.06 | -0.69 | .4900 |
| % foreign-born among residents | -0.76 | 0.09 | -8.72 | < .0001 |
| % children among residents | -1.79 | 0.28 | -6.44 | < .0001 |
| % elderly persons (≥ age 65) among residents | -0.88 | 0.26 | -3.43 | .0007 |
| % male among adults aged 20-64 | 0.33 | 0.47 | 0.70 | .4847 |
| % children with disabilities | 3.75 | 0.61 | 6.14 | < .0001 |
| % moved in one year | 0.17 | 0.20 | 0.85 | .3943 |
| Urbanicity |  |  |  |  |
| Large urban | reference |  |  |  |
| Small urban | -0.20 | 1.23 | -0.16 | .8732 |
| Rural | -3.13 | 1.81 | -1.73 | .0849 |
| **Random effect** | **Variance** | | | |
| State-level: Intercept | 299.08 | | | |
| Observation-level | 86.77 | | | |

*Note*. N = 639 counties. All estimates were weighted by county child populations. This model is corresponding to the second row’s (year = 2015) linear multilevel modeling results in Table 2 in the main text.

**Table S4.** Linear Multilevel Model of County Child Poverty Rate on County Child Maltreatment Report Rates, United States, 2016

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fixed effects** | **Coefficient** | **Standard error** | **t** | **p** |
| Intercept | 52.81 | 2.94 | 17.95 | < .0001 |
| Child poverty rate (% children in poverty) | 1.22 | 0.12 | 10.48 | < .0001 |
| % Black children among resident children | -0.23 | 0.07 | -3.39 | .0008 |
| % Latino children among resident children | -0.06 | 0.06 | -0.96 | .3373 |
| % foreign-born among residents | -0.76 | 0.09 | -8.27 | < .0001 |
| % children among residents | -1.88 | 0.30 | -6.35 | < .0001 |
| % elderly persons (≥ age 65) among residents | -0.78 | 0.27 | -2.90 | .0039 |
| % male among adults aged 20-64 | 0.40 | 0.50 | 0.80 | .4219 |
| % children with disabilities | 3.55 | 0.66 | 5.40 | < .0001 |
| % moved in one year | 0.08 | 0.22 | 0.38 | .7045 |
| Urbanicity |  |  |  |  |
| Large urban | Reference |  |  |  |
| Small urban | 0.75 | 1.31 | 0.58 | .5658 |
| Rural | -2.54 | 1.92 | -1.32 | .1870 |
| **Random effect** | **Variance** | | | |
| State-level: Intercept | 367.25 | | | |
| Observation-level | 96.53 | | | |

*Note*. N = 639 counties. All estimates were weighted by county child populations. This model is corresponding to the third row’s (year = 2016) linear multilevel modeling results in Table 2 in the main text.

**Table S5.** Linear Multilevel Model of County Child Poverty Rate on County Child Maltreatment Report Rates, United States, 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fixed effects** | **Coefficient** | **Standard error** | **t** | **p** |
| Intercept | 57.41 | 3.28 | 17.50 | < .0001 |
| Child poverty rate (% children in poverty) | 1.35 | 0.14 | 9.88 | < .0001 |
| % Black children among resident children | -0.23 | 0.07 | -3.08 | .0022 |
| % Latino children among resident children | -0.09 | 0.06 | -1.38 | .1690 |
| % foreign-born among residents | -0.76 | 0.10 | -7.84 | < .0001 |
| % children among residents | -1.83 | 0.33 | -5.53 | < .0001 |
| % elderly persons (≥ age 65) among residents | -0.68 | 0.29 | -2.35 | .0191 |
| % male among adults aged 20-64 | 0.20 | 0.56 | 0.36 | .7230 |
| % children with disabilities | 3.49 | 0.67 | 5.24 | < .0001 |
| % moved in one year | 0.18 | 0.25 | 0.72 | .4699 |
| Urbanicity |  |  |  |  |
| Large urban | reference |  |  |  |
| Small urban | 0.63 | 1.45 | 0.43 | .6648 |
| Rural | -1.40 | 2.12 | -0.66 | .5099 |
| **Random effect** | **Variance** | | | |
| State-level: Intercept | 436.52 | | | |
| Observation-level | 115.93 | | | |

*Note*. N = 639 counties. All estimates were weighted by county child populations. This model is corresponding to the fourth row’s (year = 2018) linear multilevel modeling results in Table 2 in the main text.

**Table S6.** Comparisons of Expected Reductions in Child Maltreatment Report (CMR) Rates between a Prior Simulation Study and Our Approach.

|  |  |  |  |
| --- | --- | --- | --- |
|  | CMR rate\* at  baseline | CMR rate\* after  policy change | CMR rate\* reduction  by policy change  (% baseline) |
| *Package 2  (reducing the child poverty rate by 5.4pp)* |  |  |  |
| Pac et al. (2023) | 44 | 37 | 6 (14.5%) |
| Our approach | 45 | 39 | 6 (14.3%) |
| *Package 3  (reducing the child poverty rate by 6.8pp)* |  |  |  |
| Pac et al. (2023) | 44 | 37 | 7 (15.7%) |
| Our approach | 45 | 37 | 8 (18.0%) |
| *Package 4  (reducing the child poverty rate by 7.4pp)* |  |  |  |
| Pac et al. (2023) | 44 | 35 | 9 (19.7%) |
| Our approach | 45 | 36 | 9 (19.6%) |

*Note*. pp = percentage points. \*CMR rate = the number of children with a CMR per 1,000 children. The results of Pac et al. (2023) are based on their expansive specification.