Table S2. Model fit statistics for outcome indirect maternal uncle investment. $R^2$ and DIC are reported for each screening cluster model as well as the final indirect investment model which included only the predictor variables retained from screening that showed clear, directional relationships with the outcome. Marginal $R^2$ values were calculated for all 1,000 samples retained from each model’s posterior distribution, and we report posterior modes and 90% credible interval of $R^2$ distributions. DIC provides a comparative assessment of model fit that penalizes model complexity with smaller values indicating better fit.

<table>
<thead>
<tr>
<th>Cluster</th>
<th>Outcome INDIRECT Maternal Uncle Investment</th>
<th>$R^2$ post. mode (90% CI)</th>
<th>DIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>Mother’s age (z)</td>
<td>0.722 (0.545, 0.830)</td>
<td>58.181</td>
</tr>
<tr>
<td></td>
<td>Household income (log)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Number of annual movements (z)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Matrilocal residence</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Patrolocal residence</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other residence</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Household lives on a boat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Socioeconomic</td>
<td>Mother’s age (z)</td>
<td>0.345 (0.135, 0.573)</td>
<td>63.591</td>
</tr>
<tr>
<td></td>
<td>Household income (log)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mother sells goods</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mother has any education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paternity</td>
<td>Mother’s age (z)</td>
<td>0.252 (0.135, 0.604)</td>
<td>62.292</td>
</tr>
<tr>
<td></td>
<td>Household income (log)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Father is present</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mother married more than once</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive</td>
<td>Mother’s age (z)</td>
<td>0.787 (0.555, 0.860)</td>
<td>56.451</td>
</tr>
<tr>
<td></td>
<td>Household income (log)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mother’s no. of living children (z)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mother’s age at first birth (z)</td>
<td></td>
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<tr>
<td></td>
<td>IBI after first birth (z)</td>
<td></td>
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<tr>
<td></td>
<td>Mother has lost a child</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natal</td>
<td>Mother’s age (z)</td>
<td>0.689 (0.483, 0.795)</td>
<td>61.630</td>
</tr>
<tr>
<td></td>
<td>Household income (log)</td>
<td></td>
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<tr>
<td></td>
<td>Mother’s total no. of siblings (z)</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Mother’s no. of sisters (z)</td>
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<tr>
<td></td>
<td>Mother’s no. of brothers (z)</td>
<td></td>
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<tr>
<td></td>
<td>Mother’s no. of older brothers (z)</td>
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<tr>
<td></td>
<td>Mother’s no. of younger brothers (z)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Number of available alloparents (z)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mother was firstborn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Final</td>
<td>Mother’s age (z)</td>
<td>0.789 (0.558, 0.855)</td>
<td>54.337</td>
</tr>
<tr>
<td></td>
<td>Household income (log)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Number of annual movements (z)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Household lives on a boat</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mother sells goods</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mother’s no. of older brothers (z)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>