Income Growth Trajectory For Parents Of Children With Down Syndrome In The United States

Citation

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Accessibility
Baseline Characteristics of Study Participants: Pre- vs. Post-Matching

<table>
<thead>
<tr>
<th>DS study panel</th>
<th>Control panel</th>
<th>Difference</th>
<th>P-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age in years (mean ± SD)</td>
<td>3.9% ± 0.09%</td>
<td>4.0% ± 0.07%</td>
<td>-0.07%</td>
</tr>
<tr>
<td>Average change in annual income (%)</td>
<td>3.9% ± 0.09%</td>
<td>4.0% ± 0.07%</td>
<td>-0.07%</td>
</tr>
<tr>
<td>Mean log difference in annual income, mean ± SD</td>
<td>0.039 ± 0.080</td>
<td>0.039 ± 0.095</td>
<td>-0.001</td>
</tr>
<tr>
<td>Five years</td>
<td>2,184 (12.8)</td>
<td>492,475 (9.0)</td>
<td>&lt;.001 *</td>
</tr>
<tr>
<td>Six years</td>
<td>2,182 (12.7)</td>
<td>491,699 (9.9)</td>
<td>&lt;.001 *</td>
</tr>
<tr>
<td>Seven years</td>
<td>2,179 (12.7)</td>
<td>490,923 (9.8)</td>
<td>&lt;.001 *</td>
</tr>
<tr>
<td>Eight years</td>
<td>2,176 (12.6)</td>
<td>490,147 (9.7)</td>
<td>&lt;.001 *</td>
</tr>
</tbody>
</table>

*Denotes statistical significance after matching.

### Discussion

- **Children with DS have lower mean annual income growth compared to those without chromosomal conditions.** This difference was not statistically significant among mothers and fathers when analyzing separately. Non-parametric tests were used for the analysis, and the difference in income growth translates into $35 reductions in annual income growth for mothers and $17 reductions for fathers.

- **No statistically significant differences existed in mean annual income growth rate when analyzed separately for mothers (4.0% vs. 4.1%) and fathers (3.8% vs. 3.9%).**

Table 2: Mean Annual Growth Rate in Incomes Among Parents of Children with DS and Matched Controls

### Limitations

- **The study was limited to children born in the US.**

### References

[1] P-values were calculated using Wilcoxon signed-rank tests for non-normal data and chi-square tests for categorical variables.

[1] P-values after matching were calculated using McNemar tests and Wilcoxon signed-rank tests.

[1] P-values before matching were calculated using Wilcoxon rank-sum tests for continuous variables and chi-square tests for categorical variables.

**Note**: All monetary values are presented in 2015 USD.

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**References**

[1] P-values were calculated using Wilcoxon signed-rank tests.

[1] P-values after matching were calculated using McNemar tests and Wilcoxon signed-rank tests.

[1] P-values before matching were calculated using Wilcoxon rank-sum tests for continuous variables and chi-square tests for categorical variables.

**Note**: All monetary values are presented in 2015 USD.