

<p style="text-align: center;"><i>Balancing formula</i></p> <p>Mathematical formula created at each exposure time point, regressing exposure on confounders, for the purpose of creating and/or assessing balancing weights</p> <p><math>ESETA1.t \sim \text{time invariant confounders} + \text{time-varying confounders} + \text{lagged exposures} + \text{lagged outcomes}</math></p>	
Term	Definition
<p><i>Full balancing formula</i></p> <p>(type = “full”)</p>	<p>Balancing formula containing all <b>time invariant</b> and <i>all</i> lagged <b>time-varying</b> confounders and lagged <b>exposure</b> values. Used for pre-balance (<i>Workflows vignettes Step 4b</i>) and final balance assessment (<i>Workflows vignettes Step 6</i>).</p> <p><math>ESETA1.24 \sim B18Raw.15 + B18Raw.6 + BioDadInHH2 + CORTB.15 + CORTB.6 + DrnkFreq + ES.15 + ES.6 + gov\_assist + HOMEETA1.15 + HOMEETA1.6 + HomeOwnd \dots</math></p>
<p><i>Simplified balancing formula</i></p> <p>(type = “short”)</p>	<p>Balancing formula containing all <b>time invariant</b> and <i>only t-1</i> lagged <b>time-varying</b> confounders and lagged <b>exposures</b>. Used for creating and assessing preliminary balancing weights to determine optimal weighting method (<i>Workflows vignettes Step 5b</i>).</p> <p><math>ESETA1.24 \sim B18Raw.15 + BioDadInHH2 + CORTB.15 + DrnkFreq + ES.15 + gov\_assist + HOMEETA1.15 + HomeOwnd \dots</math></p>
<p><i>Updated balancing formula</i></p> <p>(type = “update”)</p>	<p>Balancing formula containing all <b>time invariant</b> confounders, all <b>time-varying</b> confounders at <i>t-1</i>, as well as any <i>imbalanced time-varying</i> confounders and lagged <b>exposure</b> levels at <i>t-1+</i>. Used to create final balancing weights (<i>Workflows vignettes Step 6</i>).</p> <p><math>ESETA1.24 \sim B18Raw.15 + BioDadInHH2 + CORTB.15 + DrnkFreq + ES.6 + ES.15 + gov\_assist + HOMEETA1.15 + HomeOwnd \dots</math></p>