Supplemental Figure 1
Participant Flowchart

343 women randomized into treatment groups

- 115 assigned to CSB+IFA
  - First blood drawn n=115
  - Hemolyzed sample n=1
  - Inadequate amount n=1
  - Lost sample n=2
  - First blood draw analysis n=111
  - Delivered before second blood draw n=22
  - Lost to follow up n=3
  - Miscarriage n=1
  - Refused n=1
  - Unknown n=5
  - Final analysis n=79

- 110 assigned to CSB+UNIMMAP
  - First blood drawn n=110
  - Hemolyzed sample n=1
  - Inadequate amount n=1
  - First blood draw analysis n=109
  - Delivered before second blood draw n=20
  - Lost to follow up n=2
  - Refused n=3
  - Unknown n=10
  - Final analysis n=74

- 118 assigned to RUSF
  - First blood drawn n=118
  - Hemolyzed sample n=2
  - Inadequate amount n=1
  - First blood draw analysis n=115
  - Delivered before second blood draw n=20
  - Lost to follow up n=2
  - Refused n=3
  - Infant death=1
  - Unknown n=11
  - Final analysis n=78
**Supplemental Table 1**
Assays used for analysis of nutrients and proteins

<table>
<thead>
<tr>
<th>Nutrient/protein</th>
<th>Assay method- CCP¹</th>
<th>Assay method-PAL²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitamin B₁₂</td>
<td>ECLIA³</td>
<td>Chemiluminescence</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Beckman Coulter DXI)⁴</td>
</tr>
<tr>
<td>25-hydroxyvitamin D</td>
<td>N/A</td>
<td>Chemiluminescence⁵</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Liason XL Diasorin)</td>
</tr>
<tr>
<td>Folate</td>
<td>ECLIA</td>
<td>N/A</td>
</tr>
<tr>
<td>Retinol</td>
<td>Nephelometry⁶</td>
<td>Chemiluminescence</td>
</tr>
<tr>
<td>Ferritin</td>
<td>Electrochemiluminescence</td>
<td>Chemiluminescence</td>
</tr>
<tr>
<td>Zinc</td>
<td>Quantitative Inductively Plasma-Mass</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coupled Plasma-Mass Spectrometry⁸</td>
<td></td>
</tr>
<tr>
<td>Albumin</td>
<td>Brom cresol Green (BCG)⁹</td>
<td>BCG (Beckman Coulter DXI)</td>
</tr>
<tr>
<td>C-reactive protein</td>
<td>Immunoturbidimetry¹⁰</td>
<td>Immunoturbidimetry (Beckman Coulter 5800)</td>
</tr>
</tbody>
</table>

¹Central Coast Pathology
²Physician’s Automated Laboratory
⁹McGinlay, JM, and RB Payne. “Serum Albumin by Dye-Binding: Bromocresol Green or Bromocresol