Supplemental Figure 1

Participant Flowchart

343 women randomized into treatment groups

115 assigned to CSB+IFA

First blood drawn n=115

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

Hemolyzed sample n=1
Inadequate amount n=1
Lost sample n=2

110 assigned to CSB+ UNIMMAP

First blood drawn n=110

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=115

Hemolyzed sample n=2
Inadequate amount n=1

Lost sample 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>(Beckman Coulter DXI⁴)</td>
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<tr>
<td>25-hydroxyvitamin D</td>
<td>N/A</td>
<td>Chemiluminescence⁵</td>
</tr>
<tr>
<td></td>
<td>(Liason XL Diasorin)</td>
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</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></td>
<td>Immunoassay (ECLIA)⁷</td>
<td>(Beckman Coulter DXI)</td>
</tr>
<tr>
<td>Zinc</td>
<td>Quantitative Inductively</td>
<td>Plasma-Mass</td>
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<tr>
<td></td>
<td>Coupled Plasma-Mass</td>
<td>Spectrometry⁸</td>
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<tr>
<td>Albumin</td>
<td>Bromcresol Green (BCG)⁹</td>
<td>BCG (Beckman Coulter DXI)</td>
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<tr>
<td>C-reactive protein</td>
<td>Immunoturbidimetry¹⁰</td>
<td>Immunoturbidimetry</td>
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<td></td>
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<td>(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