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**Supplementary table 1. Causes of death by verbal autopsy according to maternal antibody level at time of measles vaccination in Trial II**

<table>
<thead>
<tr>
<th>Cause of death</th>
<th>Undetectable measles antibody level</th>
<th>Had maternal measles antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory infection</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Diarrhoea, diarrhoea and vomiting</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Malaria, fever and anaemia</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Traditional ceremony (mongoloid child)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>No information (family moved)</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>11</strong></td>
<td><strong>4</strong></td>
</tr>
</tbody>
</table>
Supplementary Figure 1: Trial diagrams for the two early two-dose measles vaccination trials.

Trial I (1993-95)

Randomised to MV
N=150

Had detectable maternal antibody: N=27
Moved: 0
MV at 9 mo: 27 (100%)
Died: 0
Still in area: 17 (63%)
Moved: 10 (37%)
Died: 0

Had no detectable maternal antibody: N=123
Moved: 6 (5%)
MV at 9 mo: 114 (93%)
Died: 3 (2%)
Still in area: 49 (43%)
Moved: 52 (46%)
Died: 13 (11%)

Randomised to IPV
N=150

Had detectable maternal antibody: N=23
Moved: 3 (13%)
MV at 9 mo: 20 (87%)
Died: 0
Still in area: 6 (30%)
Moved: 10 (50%)
Died: 4 (20%)

Outcomes 6 to 9 months

Outcomes 9 to 60 months
Notes: MV=measles vaccine; mo=month