## WEB APPENDIX 1 DETAILS OF DATABASE SEARCH

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<th>Database</th>
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<td>Medline</td>
<td>June 4, 2017</td>
<td>&quot;Zinc&quot;[Mesh] OR &quot;Zinc Sulfate&quot;[Mesh] OR &quot;Zinc Compounds&quot;[Mesh] AND (&quot;Clinical Trial&quot; or &quot;Controlled Clinical Trial&quot; or &quot;Randomized Controlled Trial&quot; or &quot;Pragmatic Clinical Trial&quot;[MeSH Terms]) AND (((&quot;Child, Preschool&quot; or &quot;Infant&quot;[MeSH Terms]) OR (Child[Text Word] OR Children[Text Word] OR Infant[Text Word] OR Under-5 Children[Text Word])))</td>
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<td>Web of Science (including BIOSIS Previews)</td>
<td>June 8, 2017</td>
<td>TOPIC: (&quot;Zinc&quot; OR &quot;Zinc Supplement*&quot;) AND TOPIC: (&quot;Child&quot; OR &quot;Children&quot;) AND TOPIC: (&quot;Clinical Trial&quot; or &quot;Controlled Clinical Trial&quot; or &quot;Randomized Controlled Trial&quot;); Timespan: All years; Search language=Auto</td>
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<td>Cochrane Controlled Trials Register</td>
<td>June 8, 2017</td>
<td>&quot;zinc compound&quot; in Title, Abstract, Keywords or zinc in Title, Abstract, Keywords and &quot;Clinical Trial&quot; or &quot;Controlled Clinical Trial&quot; or &quot;Randomized Controlled Trial&quot; in Publication Type and &quot;Child&quot; OR &quot;Children&quot; in Title, Abstract, Keywords</td>
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<td>Embase</td>
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<td>June 9, 2017</td>
<td>(&quot;zinc&quot;[MeSH Terms] OR &quot;zinc&quot;[All Fields]) AND &quot;Child&quot;[All Fields] AND dietsuppl[sb]:</td>
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WEB APPENDIX 2  ASSUMPTIONS AND CALCULATIONS FOR IMPUTATION/INTERPRETATION OF DATA FROM STUDIES INCLUDED IN THE SYSTEMATIC REVIEW

Locks, et al. [57]
SDs derived from SEM
Means and SDs of Zn and Zn+MV combined as intervention, that for placebo and MV combined as control

Sampaio, et al. [83]
Data given as median and IQR; mean assumed to be the same as median
IQR=1.35 SD

Mozaraffi-Khosravi, et al. [64]
Data for boys and girls given seperately. The means and SDs were combined for analysis

Brown, et al. [23]
Data for medicinal zinc and fortified zinc group combined for comparison with control

Garenne, et al. [43]
SDs calculated from means and $P$ value
Means for boys and girls given separately, which were combined for analyses

de Romana, et al. [31]
Data for 3 mg and 9 mg zinc group combined as intervention

Lind, et al. [53]
Data for Fe+ Zn and Zn groups combined as intervention group; and placebo and Fe groups as control

Sur, et al. [91]
Change in weight and length for intervention and control groups mentioned in text without SD with $P$ < 0.001. $P$ vale was assumed to be equal to 0.001 and SD estimated accordingly

Yang, et al. [99]
Means for Zn and ZnCaVa combined as intervention; control and CaVa as control

Rosado, et al. [79]
SE converted to SD
Data for Fe+ Zn and Zn groups combined as intervention group; and placebo and Fe groups as control
Lira, et al. [55]
Data from 1 mg and 5 mg zinc combined as intervention group

Vasudevan, et al. [97]

$P$ mentioned as $>0.1$, assumed to be 0.11 and SDs calculated from that.

Ruz, et al. [82]

For change in length means and SDs of children with different baseline HAZ given, which were combined to estimate the ones for the entire intervention and control group

Change in HAZ, WAZ and WLZ given as figures with exact $P$ values. The means were estimated from the figures and then the SDs calculated from the $P$ value

Dirren, et al. [37]

Data given as means and SEM from which SDs were derived
Data given separately for boys and girls, which was combined

Hong, et al. [51]

Data for boys and girls given separately; combined for analysis.