Web Appendix 1: Results of study screening and selection process, 1980-2014

Stage 1: Peer reviewed literature: electronic database search (N=49376)

Stage 2a: Peer reviewed literature: title/abstract review (N=37500)

Stage 2b: Peer reviewed literature: full article review (N=384)

Stage 3: Grey literature papers added (N=39)

Stage 4: Peer reviewed and grey literature (N=423)

Stage 5: Final papers selected (N=345)

Excluded: duplicates (N=11876)

Excluded after full paper review (N=78)

Excluded: no outcome or output, not an intervention, not a humanitarian crisis, others (N=37116)
Web Appendix 2: Quality review criteria (adapted from STROBE and CONSORT)

<table>
<thead>
<tr>
<th><strong>STROBE Criteria for Observational Studies</strong></th>
<th><strong>CONSORT Criteria for Clinical Trials</strong></th>
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<tbody>
<tr>
<td><strong>Intervention:</strong></td>
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<tr>
<td>1. Is the intervention clearly described?</td>
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<td><strong>Selection of participants:</strong></td>
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<tr>
<td>2. Is the target population defined?</td>
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<td>3. Is there a comparison group (e.g. baseline, control)?</td>
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<td>4. Are the inclusion and exclusion criteria defined?</td>
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<td><strong>Statistical methods:</strong></td>
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<td>5. Is the sample size / method justified with statistical basis?</td>
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<td>6. Is there a statistical test (p-value or confidence interval)?</td>
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<td>7. Is there adjustment for confounding?</td>
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<tr>
<td><strong>Limitations:</strong></td>
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<tr>
<td>8. Are study limitations explained (e.g. biases)?</td>
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</tbody>
</table>

**Eligibility**
1. Did study state # not meeting inclusion criteria?
2. Did study state # declined to participate?

**Allocation:**
3. Did study state # receiving intervention?
4. Did study state # not receiving intervention?

**Follow-Up:**
5. Did study state # lost to follow-up?
6. Did study provide reasons for loss to follow-up?

**Analysis:**
- Did study state reasons participants were excluded from analysis?
- Are limitations of the study explained (e.g. biases)
Web Appendix 3: List of studies included in the study, by health topic

Communicable disease control (by disease type)

Malaria


Polio


Communicable Diseases (Excluding Malaria, NTDs, and Polio)


87. Arumugam, M., et al., Measles transmission following the tsunami in a population with a high one-dose vaccination coverage, Tamil Nadu, India 2004-2005. BMC Infectious Diseases, 2006. 6(143).


**Water and sanitation**

**Nutrition**


Mental Health and Psychosocial Support


**Non communicable diseases**


300. Amirjamshidi A, et al. (2003), Minimal debridement or simple wound closure as the only surgical treatment in war victims with low-velocity penetrating head injuries. Indications and management protocol based upon more than 8 years follow-up of 99 cases from Iran-Iraq conflict. Surgical Neurology. Vol. 60(2): 105-10; discussion 110-1.


