### Cardiovascular Disease Prevention and Control: Interventions Engaging Community Health Workers

#### Summary Evidence Table - Smoking Outcomes

<table>
<thead>
<tr>
<th>Author(s) (Suitability of Design)*</th>
<th>Outcome Name</th>
<th>Baseline: Mean (SD)</th>
<th>End of Intervention:</th>
<th>Change in smoking outcome (Diff. in diff of means OR absolute pct pt change)</th>
</tr>
</thead>
</table>
| Balcazar et al. 2010 (Greatest)   | Proportion of participants who currently smokes | Intervention (n=192): 27.0%  
Comparison (n=136): 30.0% | 4 mo. Intervention (n=192): 19.0%  
Comparison (n=136): 21.0% | 1.0 pct pts (NS)  
Unfavorable direction |
| Becker et al. 2005 (Greatest)     | Proportion of participants who currently smokes | Intervention (n=196): 37%  
Comparison (n=168): 43.0% | 12 mo. Intervention (n=196): 31.0%  
Comparison (n=168): 40.0% | -3.0 pct pts (p<0.0001)  
Favorable direction |
| Hayashi et al. 2010 (Greatest)    | Proportion of current smokers | Intervention (n=433): 3.9 %  
Comparison (n=436):4.4 % | 12m Intervention (n=433): 2.5%  
Comparison (n=436):3.7 % | -0.7 % (P=0.56)  
Favorable direction |
| Hill et al. 2003 (Greatest)       | Proportion of participants who currently smokes | Intervention (n=125): 84.0%  
Comparison (n=106): 76.0% | 36 mo. Intervention (n=125): 70.0%  
Comparison (n=106): 65.0% | -3.0 pct pts (NS)  
Favorable direction |
| Plescica et al. 2008 (Greatest)   | Proportion of participants who currently smokes | Intervention (n=926): 27.3 %  
Comparison (n=1134):21.1 % | 60 mo. Intervention (n=899): 26.6 %  
Comparison (n= 3023): 22.3 % | -1.9 pct pts (NS)  
Favorable direction |
| Adair et al. 2012 (Least)         | Proportion of participants NOT using tobacco | Intervention (n=332): 73.0% | 12 mo. Intervention (n=332): 77.0% | 4.0 pct pts (p=0.002)  
Favorable direction |
| Shlay et al. 2011 (Least)†        | Proportion of current smokers | Intervention (n=343): 34.2% | 12 mo. Intervention (n=340): 30.8% | -3.4 pct pts (NS)  
Favorable direction |
| Spinner et al. 2012 (Least)       | Proportion of participants smoking | Intervention (n=435): 9.5% | 2 mo. Intervention (n=423): 9.2% | -0.285 % (P>0.05)  
Favorable direction |

* Included studies were stratified based on suitability of study designs. Study designs of greatest/moderate suitability include: individual or group randomized controlled trial, non-randomized trial, prospective cohort, case-control, and other designs that have a concurrent comparison group. Study designs least suitable include before-after studies without a comparison group.

†overall study has greatest suitability of design, but health behavior outcomes not reported for comparison group

**Abbreviations:**

pct pts, percentage points

NS, not significant