## APPENDIX 1

Table 4: Descriptive Characteristics of Studies Included in Final Review (N=15)

<table>
<thead>
<tr>
<th></th>
<th>N (unique studies=15)</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diary Medium</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Website</td>
<td>13</td>
<td>86.7%</td>
</tr>
<tr>
<td>Email</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Cell phone</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td><strong>Diary Frequency</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;1 entry per day</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Daily</td>
<td>8</td>
<td>53.3%</td>
</tr>
<tr>
<td>Twice weekly</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Weekly</td>
<td>4</td>
<td>26.7%</td>
</tr>
<tr>
<td>Biweekly</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td><strong>Data Collection Time</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;4 weeks</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>1 month</td>
<td>7</td>
<td>46.7%</td>
</tr>
<tr>
<td>5 weeks – 3 months</td>
<td>4</td>
<td>26.7%</td>
</tr>
<tr>
<td>13 weeks – 6 months</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>&gt;6 months</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td><strong>Population Studied</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Men who have sex with men</td>
<td>7</td>
<td>46.7%</td>
</tr>
<tr>
<td>University students</td>
<td>5</td>
<td>33.3%</td>
</tr>
<tr>
<td>STI clinic patients</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Men (general population)</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Young adults</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td><strong>Sample Size</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;50</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td>50-100</td>
<td>4</td>
<td>26.7%</td>
</tr>
<tr>
<td>101-500</td>
<td>6</td>
<td>40.0%</td>
</tr>
<tr>
<td>501-1,000</td>
<td>0</td>
<td>0.0%</td>
</tr>
<tr>
<td>&gt;1,000</td>
<td>2</td>
<td>13.3%</td>
</tr>
<tr>
<td><strong>Measures Collected</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Condom use</td>
<td>13</td>
<td>86.7%</td>
</tr>
<tr>
<td>Partner type</td>
<td>12</td>
<td>73.3%</td>
</tr>
<tr>
<td>Type of sex</td>
<td>12</td>
<td>73.3%</td>
</tr>
<tr>
<td>Partner-specific data</td>
<td>9</td>
<td>60.0%</td>
</tr>
<tr>
<td>Substance use</td>
<td>7</td>
<td>46.7%</td>
</tr>
<tr>
<td>Mood</td>
<td>5</td>
<td>33.3%</td>
</tr>
<tr>
<td>Partner HIV status</td>
<td>4</td>
<td>26.7%</td>
</tr>
<tr>
<td>Partner name or initials</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td>Sexual event location</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td>Method of meeting partner</td>
<td>2</td>
<td>13.3%</td>
</tr>
<tr>
<td>Lubrication use</td>
<td>2</td>
<td>13.3%</td>
</tr>
<tr>
<td>Contraception</td>
<td>2</td>
<td>13.3%</td>
</tr>
<tr>
<td>Partner age</td>
<td>2</td>
<td>13.3%</td>
</tr>
<tr>
<td>Relationship satisfaction</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Partner circumcision</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Category</td>
<td>Count</td>
<td>Percentage</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>-------</td>
<td>------------</td>
</tr>
<tr>
<td>Non-sexual behaviors</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td><strong>Compensation</strong>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Financial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prorated on diary completion</td>
<td>2</td>
<td>13.3%</td>
</tr>
<tr>
<td>Flat payment for participation</td>
<td>2</td>
<td>13.3%</td>
</tr>
<tr>
<td>Paid per entry, bonus for high completion</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td>Paid per entry, no bonus</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td>Lottery entry (cash prize) for high completion</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Academic Credit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plus money</td>
<td>2</td>
<td>13.3%</td>
</tr>
<tr>
<td>Plus lottery entry for high completion</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Condoms</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Free cell phone access</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Not Mentioned</td>
<td>2</td>
<td>13.3%</td>
</tr>
<tr>
<td><strong>Adjustments for Missing Data</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Imputation</td>
<td>1</td>
<td>6.7%</td>
</tr>
<tr>
<td>Modeling accounted for missing data</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td>Excluded participants with missing data</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td>Mentioned missing data but no specific adjustments</td>
<td>3</td>
<td>20.0%</td>
</tr>
<tr>
<td>Did not mention missing data or adjustment methods</td>
<td>5</td>
<td>33.3%</td>
</tr>
</tbody>
</table>

*Studies may have fit more than one category; percentages sum to >100%*