Supplementary File 1

Detailed search strategy for each database.

<table>
<thead>
<tr>
<th>MEDLINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 AND #2 AND #3</td>
</tr>
<tr>
<td>#1 trial* OR random* OR control* OR RCT OR placebo* OR blind*</td>
</tr>
<tr>
<td>#2 interactive voice response* OR IVR OR voice message* OR voice response* OR telecommunication* OR</td>
</tr>
<tr>
<td>(automat*) N2 (telephon* or phone* or counsel* or call* or remind*) OR</td>
</tr>
<tr>
<td>(telephon* or phone*) N2 (advice* or counsel* or remind*) OR</td>
</tr>
<tr>
<td>computer based voice system* OR digital media*</td>
</tr>
<tr>
<td>#3 smok* OR (medic* or drug*) N3 (adher* or concordan* or complian*) OR</td>
</tr>
<tr>
<td>(MH &quot;Smoking&quot;) OR (MH &quot;Smoking Cessation&quot;) OR (MH &quot;Medication Adherence&quot;) OR physical* activ* OR exercis* OR alcohol* OR MH &quot;Exercise+&quot;) OR (MH &quot;Alcohol Drinking+&quot;) OR (MH &quot;Alcohol Abstinence&quot;) OR nutrition* OR diet* OR (MH &quot;Diet+&quot;) weigh* OR overweight* (MH &quot;Body Weight+&quot;) OR (MH &quot;Weight Loss+&quot;) OR (MH &quot;Weight Gain&quot;) OR (MH &quot;Overweight+&quot;)</td>
</tr>
</tbody>
</table>

DATABASE DETAILS: “MH”=MesH terms
“N”=Precision shortcut
**PsycINFO**

#1 AND #2 AND #3

#1 trial* OR random* OR control* OR RCT OR placebo* OR blind*
#2 interactive voice response* OR IVR OR voice message* OR voice response* OR telecommunication* OR (automat*) N2 (telephon* or phone* or counsel* or call* or remind*) OR ((telephon* or phone*) N2 (advice* or counsel* or remind*)) OR computer based voice system* OR digital media*
#3 smok* OR ((medic* or drug*) N3 (adher* or concordan* or complian*)) OR physical* activ*OR exercis*OR alcohol OR nutrition* OR diet* OR weigh* OR overweight* OR DE "Smoking Cessation" OR DE "Tobacco Smoking" OR DE "Compliance" OR DE "Treatment Compliance" OR DE "Exercise" OR DE "Physical Activity" OR DE "Alcohol Intoxication" OR DE "Alcohol Drinking Patterns" OR DE "Alcohol Drinking Attitudes" OR DE "Alcohol Abuse" OR DE "Alcoholic Beverages" OR DE "Social Drinking" OR DE "Weight Control" OR DE "Weight Loss" OR DE "Body Weight" OR DE "Weight Gain" OR DE "Underweight" OR DE "Overweight"

DATABASE DETAILS: “DE”=Headings
“N”=Precision shortcut

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**EMBASE**

#1 AND #2 AND #3

#1 (trial* OR random* OR control* OR RCT OR placebo* OR blind*).mp
#2 (interactive voice response* OR IVR OR voice message* OR voice response* OR telecommunication* OR (automat*) adj2 (telephon* or phone* or counsel* or call* or remind*) OR ((telephon* or phone*) adj2 (advice* or counsel* or remind*)) OR computer based voice system* OR digital media*).mp
#3 (smok* OR ((medic* or drug*) adj3 (adher* or concordan* or complian*))) OR physical* activ*OR exercis*OR alcohol OR nutrition* OR diet* OR weigh* OR overweight*).mp

DATABASE DETAILS: “adj”=Precision shortcut
“mp.” (=title, abstract, subject headings, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword)
SCOPUS
#1 AND #2 AND #3

#1 (ABS(trial* OR random* OR control* OR RCT OR placebo* OR blind*))
#2 (((ABS (interactive voice response*) OR (ABS (IVR)) OR (ABS (voice message))*)
 OR (ABS (voice response*)) OR (ABS (telecommunication*))) OR
(ABS ((automat*) W/2 (telephone* or phone* or counsel* or call* or
 remind*)))) OR
(ABS ((telephone* or phone*) W/2 (advice* or counsel* or remind*))))) OR
(ABS (computer based voice system))*) OR (ABS (digital media*))
#3 (((ABS (smok*) OR (ABS ((medic* or drug*) W/3 (adher* or concordan*))))
 OR (ABS (physical* activ*)) OR (ABS (exercis*)) OR (ABS (alcohol*)) OR (ABS
(nutrition*)) OR (ABS (diet*)) OR (ABS (weigh*))) OR (ABS (overweigh*))))

DATABASE DETAILS: “W/”=Precision shortcut
“ABS”= Abstract

CENTRAL
#1 AND #2 AND #3

#1 trial* OR random* OR control* OR RCT OR placebo* OR blind*
#2 interactive voice response* OR IVR OR voice message* OR voice response*
 OR telecommunication* OR
((automat*) N2 (telephone* or phone* or counsel* or call* or remind*)) OR
(telephone* or phone*) N2 (advice* or counsel* or remind*) OR
computer based voice system* OR digital media*
#3 smok* OR (medic* or drug*) N3 (adher* or concordan* or complian*)
 OR physical* activ* OR exercis* OR alcohol* OR nutrition* OR diet* OR
 weigh*