**Supplemental Material S5.** Consideration of the candidate intervention functions using the APEASE criteria.

Candidate intervention function	Definition	COM-B component	Meet the APEASE criteria?
Education	Increasing knowledge or understanding (e.g., providing information to promote an adaptive response to tinnitus)	<ul> <li>Psychological capability</li> <li>Educate about ways of enacting the desired behavior/ avoiding undesired behaviors via educational modules and videos.</li> <li>Reflective motivation</li> <li>Educate to create more positive beliefs about the desired behavior.</li> </ul>	Yes
Persuasion	Using communication to induce positive or negative feelings or stimulate action (e.g., <i>using imagery to</i> <i>motivate adaptive</i> <i>responses to tinnitus</i> )	<ul> <li><i>Reflective motivation</i></li> <li>Persuade to create more positive beliefs about the desired behavior.</li> <li>Persuade to feel more positively about the desired behavior.</li> </ul>	Yes
Incentivization	Creating an expectation of reward (e.g., <i>highlight the</i> <i>benefits of engaging in an</i> <i>adaptive response to</i> <i>tinnitus</i> )	<ul> <li><i>Reflective motivation</i></li> <li>Incentivize to feel more positively about the desired behavior.</li> <li>Goal setting with the view of improving quality of life and engaging and participating in activities.</li> </ul>	Yes
Coercion	Creating an expectation of punishment or cost (e.g., <i>highlighting how no</i> <i>action will not improve</i> <i>tinnitus</i> )	<ul> <li><i>Reflective motivation</i></li> <li>Coerce to feel more positively about the desired behavior.</li> </ul>	Yes
Training	Imparting skills (e.g., training to facilitate an adaptive response to tinnitus)	<ul> <li><i>Physical capability</i></li> <li>Train physical skills required for the desired behavior through step-by-step instructions and demonstration videos.</li> <li><i>Psychological capability</i></li> <li>Train cognitive skills required for the desired behavior.</li> <li>Train development of mental strength required for desired behavior.</li> <li>Train sustained resistance to undesired behavior(s).</li> <li><i>Physical opportunity</i></li> <li>Train to reduce competing time demands.</li> <li>Train to provide cues/ prompts for desired behavior.</li> </ul>	Yes

		<ul> <li>Automatic motivation</li> <li>Train to strengthen habitual engagement in the desired behavior.</li> </ul>	
Restriction	Using rules to increase the opportunity to engage in the target behavior/ reduce opportunity to engage in competing behaviors (e.g., <i>Prohibiting a non- adaptive response to</i> <i>tinnitus</i> )	<ul> <li><i>Physical/Social opportunity</i></li> <li>Restriction to reduce undesired behavior(s) surrounding habits that have a negative impact (e.g., for sleep).</li> </ul>	Yes
Environmental restructuring	Changing the physical or social context (e.g., providing reminders to encourage an adaptive response to tinnitus)	<ul> <li><i>Physical opportunity</i></li> <li>Restructure the environment to reduce competing time demands.</li> <li>Restructure the environment to provide cues and prompts for desired behavior.</li> <li>Restructure the environment to reduce difficulties regarding concentration, sleep and hearing difficulties.</li> <li><i>Social opportunity</i></li> <li>Restructure the environment to increase social support.</li> </ul>	Yes
Modelling	Providing an example for people to aspire to or imitate (e.g., expert videos, using patient testimonials/ dramatizations of how they have adaptively responded to tinnitus)	<ul> <li>Social opportunity</li> <li>Modelling to shape people's ways of thinking.</li> <li>Reflective motivation</li> <li>Model to feel more positively about the desired behavior.</li> <li>Automatic motivation</li> <li>model desired behavior to induce automatic imitation.</li> </ul>	Yes
Enablement	Increasing means/ reducing barriers to increase capability or opportunity (e.g., <i>behavioral support</i> <i>to adaptively respond to</i> <i>tinnitus</i> )	<ul> <li><i>Psychological capability</i></li> <li>Enable development of mental strength required for desired behavior through the strategies provided.</li> <li>Enable sustained resistance to undesired behavior(s) through the strategies provided.</li> </ul>	Yes
		<ul> <li><i>Reflective motivation</i></li> <li>Enable to feel more positively about the desired behavior.</li> <li><i>Automatic motivation</i></li> <li>Enable to strengthen habitual engagement in desired behavior.</li> </ul>	