Supplemental File 1. Search Strategy

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| Name of the database (range of dates) | MEDLINE/PubMed (1950 to December 1, 2016) |
| Dates of the search | July 2, 2015(Updated on December 21, 2016) |
| Initials of the person who ran the search | LAVI |
| Search terms / MeSH | (“sweet\* drink\*” OR “sweet\* beverage\*” OR “ sugar\* beverage\*” OR “ sugar\* drink\*” OR “soft drink\*” OR Soda\* OR “carbonated drink\*” OR “sweet with beverage\*” OR “sweet with drink\*” OR “sugar with beverage\*” OR “sugar with drink\*” OR “carbonated beverage\*” OR “sport drink\*” OR “sport beverage\*” OR “fruit\* drink\*” OR “fruit\* beverage\*” OR “liquid sugar” OR “energy drink\*” OR Gatorade OR “ice tea” OR “sweet tea” OR sluch OR “flavored drink\*” OR “flavored beverage\*”)AND(Teen\* OR adolescen\* OR youth OR young OR student\* OR “high school\*”)AND(Intervention\* OR education OR “health promotion” OR program\* OR legislation\* OR policy OR policies OR regulation OR marketing OR advertis\* OR advertiz\* OR “media campaign\*” OR tax OR taxes OR taxation OR “health information” OR “Caloric Information\*” OR “nutritional information\*” OR “nutrition information\*” OR “school environment” OR “school health service\*” OR “food labeling” OR “food dispensers, automatic”) |
| Limits | None |
| Number of hits | 1660 (Update: 340) |

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| Name of the database (range of dates) | PsycINFO(1806 to December 1, 2016) |
| Dates of the search | July 2, 2015(Updated on December 21, 2016) |
| Initials of the person who ran the search | LAVI |
| Search terms | (“sweetened drink\*” OR “sweetened beverage\*” OR “ sugary beverage\*” OR “ sugary drink\*” OR “sweet beverage\*” OR “sweet drink\*” OR “soft drink\*” OR Soda\* OR “carbonated drink\*” OR “sweet with beverage\*” OR “sweet with drink\*” OR “sugar with beverage\*” OR “sugar with drink\*” OR “carbonated beverage\*” OR “sport drink\*” OR “sport beverage\*” OR “fruit drink\*” OR “fruit beverage\*” OR “fruity drink\*” OR “fruity beverage\*” OR “liquid sugar” OR “energy drink\*” OR Gatorade OR “ice tea” OR “sweet tea” OR sluch OR “flavored drink\*” OR “flavored beverage\*”)AND(Teen\* OR adolescen\* OR youth OR young OR student\* OR “high school\*”)AND(Intervention\* OR education OR “health promotion” OR program\* OR legislation\* OR policy OR policies OR regulation OR marketing OR advertis\* OR advertiz\* OR “media campaign\*” OR tax OR taxes OR taxation OR “health information” OR “Caloric Information\*” OR “nutritional information\*” OR “nutrition information\*” OR “school environment” OR “school health service\*” OR “food labeling” OR “food dispensers, automatic”) |
| Limits | -Publication type: journal |
| Number of hits | 204 (Update: 16) |

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| Name of the database (range of dates) | CINAHL(1982 to December 1, 2016)  |
| Dates of the search | July 2, 2015(Updated on December 21, 2016) |
| Initials of the person who ran the search | LAVI |
| Search terms / Descriptors | (“sweet\* drink\*” OR “sweet\* beverage\*” OR “ sugar\* beverage\*” OR “ sugar\* drink\*” OR “soft drink\*” OR Soda\* OR “carbonated drink\*” OR “sweet with beverage\*” OR “sweet with drink\*” OR “sugar with beverage\*” OR “sugar with drink\*” OR “carbonated beverage\*” OR “sport drink\*” OR “sport beverage\*” OR “fruit\* drink\*” OR “fruit\* beverage\*” OR “liquid sugar” OR “energy drink\*” OR Gatorade OR “ice tea” OR “sweet tea” OR sluch OR “flavored drink\*” OR “flavored beverage\*”)AND(Teen\* OR adolescen\* OR youth OR young OR student\* OR “high school\*”)AND(Intervention\* OR education OR “health promotion” OR program\* OR legislation\* OR policy OR policies OR regulation OR marketing OR advertis\* OR advertiz\* OR “media campaign\*” OR tax OR taxes OR taxation OR “health information” OR “Caloric Information\*” OR “nutritional information\*” OR “nutrition information\*” OR “school environment” OR “school health service\*” OR “food labeling” OR “food dispensers, automatic”) |
| Limits | None |
| Number of hits | 479 (Update:104) |

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| Name of the database (range of dates) | EMBASE(1974 to December 1, 2016) |
| Dates of the search | July 2, 2015(Updated on December 21, 2016) |
| Initials of the person who ran the search | LAVI |
| Search terms / Emtree | 'sweet drink' OR 'sweet beverage' OR 'sugar beverage' OR 'sugar drink' OR 'soft drink'/exp OR 'soft drink' OR soda\* OR 'carbonated drink'/exp OR 'carbonated drink' OR 'sweet with beverage' OR 'sweet with drink' OR 'sugar with beverage' OR 'sugar with drink' OR 'carbonated beverage'/exp OR 'carbonated beverage' OR 'sport drink' OR 'sport beverage' OR 'fruit drink' OR 'fruit beverage' OR 'liquid sugar' OR 'energy drink'/exp OR 'energy drink' OR 'gatorade'/exp OR gatorade OR 'ice tea' OR 'sweet tea' OR sluch OR 'flavored drink' OR 'flavored beverage' AND (teen\* OR adolescen\* OR 'youth'/exp OR youth OR young OR student\* OR 'high school'/exp OR 'high school') AND (intervention\* OR 'education'/exp OR education OR 'health promotion'/exp OR 'health promotion' OR program\* OR legislation\* OR 'policy'/exp OR policy OR policies OR 'regulation'/exp OR regulation OR 'marketing'/exp OR marketing OR advertis\* OR advertiz\* OR 'media campaign' OR 'tax'/exp OR tax OR 'taxes'/exp OR taxes OR taxation OR 'health information'/exp OR 'health information' OR 'caloric information' OR 'nutritional information' OR 'nutrition information' OR 'school environment' OR 'school health service'/exp OR 'school health service' OR 'food labeling'/exp OR 'food labeling' OR 'food dispensers, automatic'/exp OR 'food dispensers, automatic') |
| Limits | None |
| Number of hits | 1552 (Update: 403) |

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| Name of the database (range of dates) | Proquest Dissertations and Theses(1861 to December 1, 2016) |
| Dates of the search | July 2, 2015(Updated on December 21, 2016) |
| Initials of the person who ran the search | LAVI |
| Search terms  | (“sweetened drink\*” OR “sweetened beverage\*” OR “ sugary beverage\*” OR “ sugary drink\*” OR “sweet beverage\*” OR “sweet drink\*” OR “soft drink\*” OR Soda\* OR “carbonated drink\*” OR “sweet with beverage\*” OR “sweet with drink\*” OR “sugar with beverage\*” OR “sugar with drink\*” OR “carbonated beverage\*” OR “sport drink\*” OR “sport beverage\*” OR “fruit drink\*” OR “fruit beverage\*” OR “fruity drink\*” OR “fruity beverage\*” OR “liquid sugar” OR “energy drink\*” OR Gatorade OR “ice tea” OR “sweet tea” OR sluch OR “flavored drink\*” OR “flavored beverage\*”)AND(Teen\* OR adolescen\* OR youth OR young OR student\* OR “high school\*”)AND(Intervention\* OR education OR “health promotion” OR program\* OR legislation\* OR policy OR policies OR regulation OR marketing OR advertis\* OR advertiz\* OR “media campaign\*” OR tax OR taxes OR taxation OR “health information” OR “Caloric Information\*” OR “nutritional information\*” OR “nutrition information\*” OR “school environment” OR “school health service\*” OR “food labeling” OR “food dispensers, automatic”) |
| Limits | N/A |
| Number of hits | 168 (Update: 15) |

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| Name of the database (range of dates) | Cochrane Library (1984 to December 1, 2016) |
| Dates of the search | July 2, 2015(Updated on December 21, 2016) |
| Initials of the person who ran the search | LAVI |
| Search terms  | sweet\* drink\* OR sugar\* drink\* |
| Limits | N/A |
| Number of hits | 2 (Update: 4) |

Supplemental File 2. List of Behaviour Change Techniques(1)

1. Antecedents

2. Problem solving/coping planning

3. Avoidance/changing exposure to cues for the behaviour

4. Prompts/cues

5. Restructuring the physical environment

6. Restructuring the social environment

7. Fading

8. Habit reversal

9. Classical conditioning

10. Escape learning

11. Discriminative (learned) cue

12. Discrimination training

13. Generalisation of a target behaviour

14. Pharmacological support

15. Social and environmental consequences

16. Health consequences

17. Emotional consequences

18. Vicarious reinforcement

19. Salience of consequences

20. Incentive

21. Self reward

22. Social reward

23. Material reward

24. Shaping

25. Chaining

26. Counter-conditioning

27. Thinning

28. Extinction

29. Covert conditioning

30. Negative reinforcement

31. Punishment

32. Response cost

33. Threat

34. Differential reinforcement

35. Time out

36. Satiation

37. Covert sensitization

38. Overcorrection

39. Anticipated regret

40. Anticipation of future rewards or removal of punishment

41. Regulate negative emotions

42. Exposure

43. Behavioural contract

44. Goal setting (outcome)

45. Review of outcome goal(s)

46. Goal setting (behaviour)

47. Review behaviour goal(s)

48. Action planning (including implementation intentions)

49. Discrepancy between current behaviour and goal standard

50. Time management

51. Self-monitoring of behaviour

52. Self-monitoring of outcome behaviour

53. Other monitoring with awareness

54. Feedback on behaviour

55. Biofeedback

56. Self assessment of affective consequences

57. Behavioural rehearsal / practice

58. Habit formation

59. Instruction on how to perform a behaviour

60. Conserving mental resources

61. Self talk

62. Behavioural experiments

63. Modelling of the behaviour

64. Paradoxical instructions

65. Behaviour substitution

66. Tailored personalised message

67. Graded tasks

68. Social support (general)

69. Social support (emotional)

70. Social support (practical)

71. Information about others’ approval

72. Non-specific encouragement

73. Social comparison

74. Identity associated with changed behaviour

75. Pros and cons

76. Comparative imagining of future outcomes

77. Identification of self as role model

78. Focus on past success

79. Mental rehearsal of successful performance

80. Commitment

81. Persuasive argument

82. Verbal persuasion to boost self-efficacy

83. Distraction

84. Cognitive dissonance

85. Self-affirmation

86. Reframing

87. Reattribution

**Reference**

1. Cane J, Richardson M, Johnston M, Ladha R, Michie S. From lists of behaviour change techniques (BCTs) to structured hierarchies: comparison of two methods of developing a hierarchy of BCTs. British journal of health psychology. 2015;20(1):130-50.