



Systematic Review of the Effectiveness of Community Intervention and Health Promotion Programs for the Prevention of Non-Communicable Diseases in Japan and Other East and Southeast Asian Countries

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Supplementary Table 1Search strategy and history: **MEDLINE** (searched via OvidSP, 2019/03/06)

No.	Search	Result	Comments
1	*Noncommunicable Diseases/	446	
2	exp *Cardiovascular Diseases/	1,912,108	
3	exp *Diabetes Mellitus/	318,619	
4	or/1-3	2,164,944	
5	exp Preventive Health Services/	559,101	
6	exp Attitude to Health/	385,556	
7	(randomized controlled trial or controlled clinical trial or clinical trial or meta analysis or practice guideline).pt.	920,589	
8	or/5-7	1,723,606	
9	8 not (ep or th or dt or tu or rh).fs.	911,005	
10	(pc or ed).fs.	1,460,040	
11	(prevent* or control).ti,kw.	570,974	
12	or/9-11	2,521,954	
13	4 and 12	274,045	
14	exp *Hypertension/	177,644	
15	*Blood Pressure/	78,881	
16	exp *Body Weight/	196,854	
17	exp *Dyslipidemia/	51,355	
18	or/14-17	471,271	
19	18 not (ep.fs. not (or/10-11))	413,551	
20	or/13,19	654,576	
21	Community-Based Participatory Research/	3,741	
22	Healthy People Programs/	1,105	
23	exp Health Education/	230,630	
24	Health Promotion/	68,686	
25	Health Fairs/	465	
26	Program Evaluation/	58,693	
27	((social or society or communit* or population or prefecture* or pref or county or counties or city or town or local) adj3	87,503	

	(based or intervention* or program* or study or studies)).ti,kw.		
28	or/21-27	358,659	
29	28 not ((exp Infant/ or exp Child/ or Adolescent/) not exp Adult/)	319,898	
30	20 and 29	23,135	
31	("noncommunicable disease*" or "non-communicable disease").ti,kw.	1,294	
32	(ncd or ncds).ti,kw.	470	
33	(cardiac or cardio* or heart or myocard* or vascular or stroke or infarction or thrombo*).ti,kw.	1,263,066	
34	((diabet* or dm) not (complicat* or foot or feet or renal or kidney or nephrol*)).ti,kw.	305,220	
35	(hypertensi* or "blood pressure").ti,kw.	249,408	
36	(obesity or overweight or weight or bmi).ti,kw.	197,421	
37	(dyslipidem* or hyperlipidem* or "blood lipid").ti,kw.	14,526	
38	or/31-37	1,928,114	
39	(prevent* or control).ti,kw.	570,974	
40	or/27,39	652,503	
41	(school* or student* or teacher* or workplace* or industrial* or employee* or worker*).ti,kw.	302,944	
42	40 not 41	639,221	
43	38 and 42	84,520	
44	43 not medline.st.	10,138	
45	or/30,44	33,273	
46	exp Japan/	125,768	
47	japan.ti,ab,kw.	108,214	
48	or/46-47	180,544	
49	45 and 48	310	
50	remove duplicates from 49	310	CQ1
51	exp Asia, Southeastern/ or exp Far East/	443,392	

52	(china or japan or korea or mongolia or taiwan or borneo or brunei or cambodia or indonesia or laos or malaysia or myanmar or philippines or singapore or thailand or timor or vietnam).ti,ab,kw.	388,357	
53	or/51-52	599,582	
54	53 not 48	419,038	
55	45 and 54	1,201	
56	remove duplicates from 55	1,201	CQ2
57	ec.fs.	402,714	
58	exp Economics/	573,517	
59	(cost or costs or expenditure* or budget* or econom*).ti,kw.	186,398	
60	or/57-59	755,025	
61	50 and 60	13	CQ3
62	56 and 60	53	CQ4

Supplementary Table 2Search strategy and history: **Cochrane Library** (searched via Wiley, 2019/03/06)

No.	Search	Result	Comments
1	MeSH descriptor: [Noncommunicable Diseases] this term only	2	
2	MeSH descriptor: [Cardiovascular Diseases] explode all trees and with qualifier(s): [prevention & control - PC]	15,522	
3	MeSH descriptor: [Diabetes Mellitus] explode all trees and with qualifier(s): [prevention & control - PC]	2,050	
4	MeSH descriptor: [Dyslipidemias] explode all trees	6,691	
5	MeSH descriptor: [Blood Pressure] this term only	25,673	
6	MeSH descriptor: [Overweight] explode all trees	13,841	
7	("noncommunicable disease*" or "non-communicable disease"):ti,kw	89	
8	(ncd or nclds):ti,kw	12	
9	(cardiac or cardio* or heart or myocard* or vascular or stroke or infarction or thrombo*):ti,kw not (therap* or drug* or rehabil* or epidemiol*):kw	76,672	
10	(hypertensi* or "blood pressure"):ti,kw	73,629	
11	(dyslipidem* or hyperlipidem* or "blood lipid"):ti,kw	6,471	
12	((diabet* or dm) not (complicat* or foot or feet or renal or kidney or nephrol*)):ti,kw not (therap* or drug* or rehabil* or epidemiol*):kw	20,630	
13	(obesity or overweight or weight or bmi):ti,kw	60,481	
14	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8	223,115	

	or #9 or #10 or #11 or #12 or #13		
15	(prevent* or control):ti,kw	184,239	
16	MeSH descriptor: [Community-Based Participatory Research] this term only	222	
17	MeSH descriptor: [Healthy People Programs] this term only	11	
18	MeSH descriptor: [Health Education] this term only	3,591	
19	MeSH descriptor: [Health Promotion] this term only	5,089	
20	MeSH descriptor: [Program Evaluation] this term only	5,548	
21	("health education" or "health promotion"):ti,kw	11,995	
22	((social or society or communit* or population or prefecture* or pref or county or counties or city or town or local) NEAR/2 (based or intervention* or program* or study or studies)):ti,kw	9,085	
23	#15 or #16 or #17 or #18 or #19 or #20 or #21 or #22	198,471	
24	epidemiol*.ti	0	
25	(school* or student* or teacher* or workplace* or industrial* or employee* or worker*):ti,kw	34,752	
26	MeSH descriptor: [Noncommunicable Diseases] this term only and with qualifier(s): [drug therapy - DT, rehabilitation - RH, therapy - TH]	0	
27	MeSH descriptor: [Cardiovascular Diseases] explode all trees and with qualifier(s): [drug therapy - DT, therapy - TH]	45,231	
28	MeSH descriptor: [Diabetes Mellitus] explode all trees and with qualifier(s): [diet	4,011	

	therapy - DH, rehabilitation - RH, therapy - TH]		
29	#24 or #25 or #26 or #27 or #28	83,121	
30	#23 not #29	178,309	
31	#14 and #30	40,148	
32	MeSH descriptor: [Japan] explode all trees	2,792	
33	(japan or okinawa or ibaraki or kanagawa or kawasaki or sagamihara or yokohama or gumma or saitama or chiba or tokyo or tochigi or oita or kagoshima or kumamoto or saga or nagasaki or fukuoka or kitakyushu or kita-kyushi or miyazaki or osaka or sakai or kyoto or shiga or nara or hyogo or kobe or mie or wakayama or ehime or kagawa or kochi or tokushima or shimane or tottori or okayama or hiroshima or yamaguchi or aichi or nagoya or shizuoka or hamamatsu or gifu or nagano or yamanashi or ishikawa or toyama or niigata or fukui or aomori or akita or iwate or fukushima or niyagi or sendai or yamagata or hokkaido or sapporo):ti,kw	6,442	
34	#32 or #33	6,442	
35	#31 and #34	339	CQ1
36	MeSH descriptor: [Asia, Southeastern] explode all trees	2,370	
37	MeSH descriptor: [Far East] explode all trees	8,899	
38	(china or japan or korea or mongolia or taiwan or borneo or brunei or cambodia or indonesia or laos or malaysia or myanmar or philippines or singapore or thailand or timor or vietnam):ti,kw	20,766	
39	#36 or #37 or #38	21,562	
40	#39 not #34	15,571	

41	#31 and #40	875	CQ2
42	(cost or costs or expenditure* or budget* or econom*):ti,kw	28,746	
43	MeSH descriptor: [Economics] explode all trees	11,539	
44	#42 or #43	29,993	
45	#35 and #44	9	CQ3
46	#41 and #44	38	CQ4

Clinical Question (CQ)1	Clinical Trials	339	
CQ2	Cochrane database of Systematic Reviews (CDSR)	1	Excluded from the results: Mefloquine for preventing malaria in pregnant women
	Trials	874	
CQ3	Trials	9	
CQ4	Trials	38	

Supplementary Table 3

Search strategy and history: Ichushi (Japanese) (searched via Ichushi-Web, 2019/03/06)

No.	Search	Result	Comments
1	非感染性疾患/TH not (SH=治療,薬物療法,外科的療法,リハビリテーション,合併症,疫学)	18,694	
2	NCDs/TA or "non-communicable diseases"/TA or "noncommunicable diseases"/TA	188	
3	心臓血管疾患/TH not (SH=治療,薬物療法,外科的療法,リハビリテーション,合併症,疫学)	550,013	
4	高血圧/TH	100,244	
5	糖尿病/TH not (SH=治療,薬物療法,外科的療法,リハビリテーション,合併症,疫学)	124,621	
6	脂質異常症/TH	36,474	
7	血圧/TH	40,101	
8	体重/TH	89,450	
9	心臓/TI or 心疾患/TI or 心筋/TI or 血管/TI or 卒中/TI or 梗塞/TI or 血栓/TI	659,721	
10	血圧/TI	129,252	
11	脂質/TI or 脂血/TI	79,536	
12	糖尿病/TI not (合併症/TI or 腎症/TI)	199,970	
13	肥満/TI or 体重/TI or 減量/TI	81,646	
14	cardiac/TI or cardio/TI or heart/TI or myocard/TI or vascular/TI or stroke/TI or infarction/TI or thrombo/TI	88,758	
15	hypertensi/TI or "blood pressure"/TI	10,743	
16	dyslipidem/TI or hyperlipidem/TI or "blood lipid"/TI	829	
17	(diabet/TI or dm/TI) not (complicat/TI or renal/TI or kidney/TI or nephro/TI)	42,828	
18	obesity/TI or overweight/TI or weight/TI or bmi/TI	11,335	
19	#9 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18	1,156,983	
20	#19 and (DATA=pre)	10,863	
21	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #20	848,718	
22	SH=予防	303,231	

23	予防/TI or prevent/TI or コントロ/TI or control/TI	187,537	
24	予防的保健医療サービス/TH	325,703	
25	@健康教育/TH	23,804	
26	健康増進/TH	14,354	
27	"計画評価(保健医療)"/TH	896	
28	"health education"/TI or "health promotion"/TI	428	
29	(教育/TI or 教室/TI or 指導/TI) and (DATA=pre)	2,269	
30	#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29	670,602	
31	日本/TH	127,598	
32	府/TI or 県/TI and or 沖縄/TI or 茨城/TI or 神奈川/TI or 川崎/TI or 相模原/TI or 横浜/TI or 群馬/TI or 埼玉/TI or さいたま/TI or 千葉/TI or 東京/TI or 栃木/TI or 大分/TI or 鹿児島/TI or 熊本/TI or 佐賀/TI or 長崎/TI or 福岡/TI or 北九州/TI or 宮崎/TI or 大阪/TI or 堺/TI or 京都/TI or 滋賀/TI or 奈良/TI or 兵庫/TI or 神戸/TI or 三重/TI or 和歌山/TI or 愛媛/TI or 香川/TI or 高知/TI or 徳島/TI or 島根/TI or 鳥取/TI or 岡山/TI or 広島/TI or 山口/TI or 愛知/TI or 名古屋/TI or 静岡/TI or 浜松/TI or 岐阜/TI or 長野/TI or 山梨/TI or 石川/TI or 富山/TI or 新潟/TI or 福井/TI or 青森/TI or 秋田/TI or 岩手/TI or 福島/TI or 宮城/TI or 仙台/TI or 山形/TI or 北海道/TI or 札幌/TI	197,015	
33	prefecture/TI or okinawa/TI or ibaraki/TI or kanagawa/TI or kawasaki/TI or sagamihara/TI or yokohama/TI or gumma/TI or saitama/TI or chiba/TI or tokyo/TI or tochigi/TI or oita/TI or kagoshima/TI or kumamoto/TI or saga/TI or nagasaki/TI or fukuoka/TI or kitakyushu/TI or kita-kyushi/TI or miyazaki/TI or osaka/TI or sakai/TI or kyoto/TI or shiga/TI or nara/TI or hyogo/TI or kobe/TI or mie/TI or wakayama/TI or ehime/TI or kagawa/TI or Kochi/TI or tokushima/TI or shimane/TI or tottori/TI or okayama/TI or hiroshima/TI or yamaguchi/TI or aichi/TI or nagoya/TI or shizuoka/TI or hamamatsu/TI or gifu/TI or nagano/TI or yamanashi/TI or ishikawa/TI or	10,332	

	toyama/TI or niigata/TI or fukui/TI or aomori/TI or akita/TI or iwate/TI or fukushima/TI or niyagi/TI or sendai/TI or yamagata/TI or hokkaido/TI or sapporo/TI		
34	東南アジア/TH or 東アジア/TH	162,791	
35	中国/TI or 韓国/TI or 朝鮮/TI or モンゴル/TI or 台湾/TI or ボルネオ/TI or ブルネイ/TI or カンボジア/TI or インドネシア/TI or ラオス/TI or マレーシア/TI or ミャンマ/TI or ビルマ/TI or フィリピン/TI or シンガポ/TI or タイ/TI or チモール/TI or ティモール/TI or ベトナム/TI or ヴェトナム/TI	87,239	
36	china/TI or korea/TI or mongolia/TI or taiwan/TI or borneo/TI or brunei/TI or cambodia/TI or indonesia/TI or laos/TI or malaysia/TI or myanmar/TI or philippines/TI or singapore/TI or thailand/TI or timor/TI or vietnam/TI	11,010	
37	市/TA or 町/TA or 村/TA or 郡/TA	134,915	
38	city/TI or town/TI or county/TI or "-shi"/TI or "-cho"/TI or "-machi"/TI or "-mura"/TI	15,583	
39	農村部/TI or 山間部/TI or 島嶼/TI or 島しょ/TI or 離島/TI	4,397	
40	地域/TI or 住民/TI or 在住/TI	121,133	
41	"population-based"/TI or community/TI or social/TI	5,712	
42	#31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41	554,865	
43	#30 and #42	70,769	
44	地域社会参加型研究/TH	100	
45	地域社会健康教育イベント/TH	1,500	
46	地域保健/TI or 地域介入/TI or 社会的介入/TI	3,754	
47	#43 or #44 or #45 or #46	74,152	
48	#21 and #47	8,688	
49	学校保健/TH or @学校/TH or 学生/TH	103,420	
50	(CK=新生児,乳児(1~23 ヶ月),幼児(2~5),小児(6~12),青年期(13~18)) not (CK=成人(19~44),中年(45~64),高齢者(65~),高齢者(80~))	646,612	

51	学校/ТИ or 高校/ТИ or 学年/ТИ or 学生/ТИ or 生徒/ТИ or 児童/ТИ or 園/ТИ	128,267	
52	school/ТИ or student/ТИ or teacher/ТИ	3,944	
53	職場/ТН or 労働衛生/ТН or 労働衛生サービス/ТН or 産業医学/ТН	69,526	
54	workplace/ТИ or industrial/ТИ or compan/ТИ or worker/ТИ	2,995	
55	#49 or #50 or #51 or #52 or #53 or #54	838,426	
56	#48 not #55	6,979	
57	介入研究/ТН or 縦断研究/ТН	248,496	
58	RD=メタアナリシス,ランダム化比較試験,準ランダ ム化比較試験	26,819	
59	プログラム/ТИ or 計画/ТИ or 事業/ТИ or 追跡/ТИ or コホート/ТИ or 縦断/ТИ or 前向き/ТИ or 介入/ТИ or 試行/ТИ	145,589	
60	program/ТИ or plan/ТИ or cohort/ТИ or longitudinal/ТИ or prospective/ТИ or followup/ТИ or intervention/ТИ or trial/ТИ or study/ТИ	97,253	
61	@"アウトカム評価(保健医療)"/ТН	10,957	
62	#57 or #58 or #59 or #60 or #61	453,163	
63	#56 and #62	1,408	
64	#34 or #35 or #36	228,667	
65	#31 or #32 or #33	273,409	
66	#64 not #65	100,304	
67	中国地方/ТИ or 四国/ТИ	1,192	
68	#66 not #67	100,083	
69	#63 not #68	1,186	
70	(#69) and (PT=原著論文)	390	CQ1
71	#63 and #68	222	
72	(#71) and (PT=原著論文)	131	CQ2
73	経済学/ТН	124,867	
74	コスト/ТА or cost/ТА or 費用/ТА or 支出/ТА or 経済 /ТА	35,727	
75	#73 or #74	145,535	

76	#69 and #75	93	
77	(#76) and (PT=原著論文)	31	CQ3
78	#71 and #76	0	CQ4