

## Search Strategy: Digital Interventions to Prevent Substance Use among Adolescents – a [Community Guide Systematic Review](#)

Database	Strategy	Run Date	Records
<b>Medline (OVID) 1946-</b>	<p>Ovid MEDLINE(R) ALL &lt;1946 to August 01, 2023&gt;</p> <p>1 (teen* or youth* or adolescen* or juvenile* or (young adj2 (adult* or person* or individual* or people* or population* or man or men or wom#n)) or college* or ((secondary or high*) adj2 (school* or education))).ti,ab. or adolescent/ or young adult/ 3117285</p> <p>2 (Alcohol or Alcoholic or Alcoholism or Amphetamine or Amphetamines or Cocaine or Marijuana or Marihuana or Cannabis or Hashish or Opioid* or Narcotic* or Heroin or smoking or smoker* or tobacco or e-cigarette* or hookah or vaping or cigarette*).ti,ab. or exp alcohol abuse/ or exp alcoholism/ or exp amphetamine/ or exp cocaine/ or exp Cannabis/ or exp cocaine/ or exp tobacco/ or exp tobacco smoking/ or exp "tobacco use"/ 928054</p> <p>3 ((drug or substance) adj2 (abuse or misuse or addiction or overdos* or prevention)).mp. 108232</p> <p>4 2 or 3 992156</p> <p>5 Wireless Technology/ or Mobile Applications/ or Therapy, Computer Assisted/ or Internet/ or Video Games/ or (mobile application* or mobile app* or "portable electronic apps" or "portable electronic applications" or "portable software application" or mhealth or ehealth or "smartphone" or mobile tech* or mobile device* or telehealth or teletherapy or computer assisted therapy or internet or online or web-based or video game* or computer game*).ti,ab. 402563</p> <p>6 intervention*.ti,ab. 1323745</p> <p>7 5 and 659682</p>	8/2/23	1297

**Suggested citation:**

The Community Preventive Service Task Force (CPSTF). Search Strategy: Digital Interventions to Prevent Substance Use among Adolescents. The Community Guide [www.thecommunityguide.org]. The Community Preventive Service Task Force, Atlanta, Georgia, 30329. <https://doi.org/10.15620/cdc/168650>

	<p>8 randomized controlled trial.pt. 597501</p> <p>9 controlled clinical trial.pt. 95397</p> <p>10 (randomized or randomised or randomization or randomisation or placebo or randomly or trial or groups or "clinical trials" or "evaluation study" or "intervention study" or "intervention studies" or "case-control" or cohort or longitudinal or longitudinally or prospective or prospectively or retrospective or "follow up" or "comparative study" or "meta-analysis" or "meta-analyses").ti,ab. 6294480</p> <p>11 drug therapy.sh. 31162</p> <p>12 clinical trial.pt.538524</p> <p>13 "evaluation studies".pt. 26</p> <p>14 Evaluation Studies as Topic/ 122473</p> <p>15 Case-Control Studies/ 329018</p> <p>16 Cohort Studies/ 331031</p> <p>17 Longitudinal Studies/ 166211</p> <p>18 Retrospective Studies/ 1135027</p> <p>19 comparative study.pt.1912920</p> <p>20 or/8-19 8311405</p> <p>21 (afghan* or africa* or albania* or algeria* or angola* or argentin* or armenia* or azerbaijan* or bangladesh* or bengal* or bangal* or belarus* or belorus* or byelarus* or byelorus* or belize* or benin* or dahomey or bhutan* or bolivia* or bosnia* or herzegovin* or botswan* or batswan* or bechuanaland* or brazil* or brasil* or bulgaria* or burkina* or burkinese* or upper volta* or burundi* or urundi* or cabo verde* or cape verde* or cambodia* or kampuchea* or khmer* or cameroon* or cameroun* or ubangi shari* or chad* or colombia* or comoro* or comore* or comorian* or mayotte* or congo* or zaire* or costa rica* or "cote d'ivoir*" or "cote d'ivoir*" or cote divoir* or cote d ivoir* or ivory coast* or ivorian* or cuba or cuban or cubans or "cuba's" or djibouti* or french somaliland* or</p>		
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	<p>           dominica* or ecuador* or egypt* or united arab republic* or el salvador* or salvadoran* or guinea* or equatorial guinea* or eritrea* or eswatini* or swaziland* or swazi* or swati* or ethiopia* or fiji* or gabon* or gabonese* or gabonaise* or gambia* or georgia or georgian or Georgians or ghana* or grenada* or grenadian* or guatemala* or haiti* or hispaniola* or hondura* or india* or indonesia* or iran* or iraq* or jamaica* or jordan* or kazakh* or kenya* or karabati* or kosovo* or kosova* or kyrgyz* or kirgiz* or kirghiz* or laos or lao or laotian* or lebanon* or lebanese* or lesotho* or lesothan* or lesothonian* or basutoland* or mosotho* or basotho* or liberia* or libya* or jamahiriya* or macedonia* or madagasca* or malagasy* or malawi* or nyasaland* or malaysia* or malay* federation or maldives* or maldivian* or indian ocean or mali or malian* or "mali's" or micronesia* or marshallese* or kiribati* or marshall island* or tuvalu* or mauritania* or mauritan* or mauritius* or mexico* or mexican* or moldova* or moldovia* or mongol* or montenegr* or morocco* or moroccan* or ifni or mozambique* or mozambican* or myanmar* or burma* or burmese or namibia* or nepal* or nicaragua* or niger* or pakistan* or palestin* or gaza* or west bank* or paraguay* or peru or peruvian* or "peru's" or philippine* or philipine* or phillipine* or philippine* or filipino* or filipina* or russia* or ussr* or soviet* or rwanda* or rwandese or ruanda* or ruandese or samoa* or navigator island* or pacific island* or polynesia* or "sao tome and principe*" or sao tomean* or santomean* or senegal* or serbia* or sierra leone* or melanesia* or solomon island* or norfolk island* or somali* or sri lanka* or ceylon* or saint lucia* or st lucia* or saint vincent* or st vincent* or vincentian* or grenadine* or sudan* or surinam* or syria* or tajik* or tadjik* or tadhik* or tanzania* or tanganyika* or thai* or timor leste* or east timor* or timorese* or togo or togoles* or "togo's" or tonga* or tunisia* or         </p>		
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	<p>           turkmen* or uganda* or ukraine* or uzbek* or vanuatu* or new hebrides* or vietnam* or vietnam* or yemen* or zambia* or zimbabwe* or rhodesia* or arab* countr* or middle east* or global south or sahara* or subsahara* or magreb* or maghrib* or west indies* or caribbean* or central america* or latin america* or south america* or central asia* or north asia* or northern asia* or southeastern asia* or south eastern asia* or southeast asia* or south east asia* or west asia* or western asia* or east europe* or eastern europe* or developing countr* or developing nation* or developing population* or developing world or less developed countr* or less developed nation* or less developed world or lesser developed countr* or lesser developed nation* or lesser developed world or under developed countr* or under developed nation* or under developed world or underdeveloped countr* or underdeveloped nation* or underdeveloped world or middle income countr* or middle income nation* or middle income population* or low income countr* or low income nation* or low income population* or lower income countr* or lower income nation* or lower income population* or underserved countr* or underserved nation* or underserved population* or under served population* or under served nation* or under served population* or deprived countr* or deprived population* or high burden countr* or high burden nation* or countdown countr* or countdown nation* or poor countr* or poor nation* or poor population* or poor world or poorer countr* or poorer nation* or poorer population* or poorer world or developing econom* or less developed econom* or underdeveloped econom* or under developed econom* or middle income econom* or low income econom* or lower income econom* or low gdp or low gnp or low gross domestic or low gross national or lower gdp or lower gnp or lower gross domestic or lower gross national or lmic or         </p>		
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	<p>Imics or third world or lami countr* or transitional countr* or emerging econom* or emerging nation*).ti,ab,hw,kf. 2110345</p> <p>22 1 and 4 and 7 2449</p> <p>23 20 and 22 1451</p> <p>24 23 not 21 1315</p> <p>25 limit 24 to english language 1303</p>		
<p><b>Embase (OVID) 1974-</b></p>	<p>Embase &lt;1988 to 2023 Week 30&gt;</p> <p>1 (teen* or youth* or adolescen* or juvenile* or (young adj2 (adult* or person* or individual* or people* or population* or man or men or wom#n)) or college* or ((secondary or high*) adj2 (school* or education))).ti,ab. or adolescent/ or young adult/ 2582978</p> <p>2 (Alcohol or Alcoholic or Alcoholism or Amphetamine or Amphetamines or Cocaine or Marijuana or Marihuana or Cannabis or Hashish or Opioid* or Narcotic* or Heroin or smoking or smoker* or tobacco or e-cigarette* or hookah or vaping or cigarette*).ti,ab. or exp alcohol abuse/ or exp alcoholism/ or exp amphetamine/ or exp cocaine/ or exp Cannabis/ or exp cocaine/ or exp tobacco/ or exp tobacco smoking/ or exp "tobacco use"/ 1299370</p> <p>3 ((drug or substance) adj2 (abuse or misuse or addiction or overdos* or prevention)).mp. 193393</p> <p>4 2 or 3 1406855</p> <p>5 Wireless Technology/ or Mobile Applications/ or Therapy, Computer Assisted/ or Internet/ or Video Games/ or (mobile application* or mobile app* or "portable electronic apps" or "portable electronic applications" or "portable software application" or mhealth or ehealth or "smartphone" or mobile tech* or mobile device* or telehealth or teletherapy or computer assisted therapy or internet or online or web-based or video game* or computer game*).ti,ab. 529453</p>	<p>8/2/23</p>	<p>458 -73 duplicates  = 385 unique items</p>

	<p>6 intervention*.ti,ab. 1796632</p> <p>7 5 and 675924</p> <p>8 (randomized or randomised or randomization or randomisation or placebo or randomly or trial or groups or "clinical trials" or "evaluation study" or "intervention study" or "intervention studies" or "case-control" or cohort or longitudinal or longitudinally or prospective or prospectively or retrospective or "follow up" or "comparative study" or "meta-analysis" or "meta-analyses").ti,ab. 8658185</p> <p>9 drug therapy.sh. 667938</p> <p>10 Evaluation Studies as Topic/ 45719</p> <p>11 Case-Control Studies/ 165939</p> <p>12 Cohort Studies/ 883570</p> <p>13 Longitudinal Studies/ 171872</p> <p>14 Retrospective Studies/ 1172790</p> <p>15 or/8-14 9282872</p> <p>16 (afghan* or africa* or albania* or algeria* or angola* or argentin* or armenia* or azerbaijan* or bangladesh* or bengal* or bangal* or belarus* or belorus* or byelarus* or byelorus* or belize* or benin* or dahomey or bhutan* or bolivia* or bosnia* or herzegovin* or botswan* or batswan* or bechuanaland* or brazil* or brasil* or bulgaria* or burkina* or burkinese* or upper volta* or burundi* or urundi* or cabo verde* or cape verde* or cambodia* or kampuchea* or khmer* or cameroon* or cameroun* or ubangi shari* or chad* or colombia* or comoro* or comore* or comorian* or mayotte* or congo* or zaire* or costa rica* or "cote d'ivoir*" or "cote d'ivoir*" or cote divoir* or cote d ivoir* or ivory coast* or ivorian* or cuba or cuban or cubans or "cuba's" or djibouti* or french somaliland* or dominica* or ecuador* or egypt* or united arab republic* or el salvador* or salvadoran* or guinea* or equatorial guinea* or eritrea* or eswatini* or swaziland* or swazi* or swati* or ethiopia* or fiji* or gabon* or gabonese* or</p>		
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	<p>           gabonaise* or gambia* or georgia or georgian or Georgians or ghana* or grenada* or grenadian* or guatemala* or haiti* or hispaniola* or hondura* or india* or indonesia* or iran* or iraq* or jamaica* or jordan* or kazakh* or kenya* or karabati* or kosovo* or kosova* or kyrgyz* or kirgiz* or kirghiz* or laos or lao or laotian* or lebanon* or lebanese* or lesotho* or lesothan* or lesothonian* or basutoland* or mosotho* or basotho* or liberia* or libya* or jamahiriya* or macedonia* or madagasca* or malagasy* or malawi* or nyasaland* or malaysia* or malay* federation or maldives* or maldivian* or indian ocean or mali or malian* or "mali's" or micronesia* or marshallese* or kiribati* or marshall island* or tuvalu* or mauritania* or mauritan* or mauritius* or mexico* or mexican* or moldova* or moldovia* or mongol* or montenegr* or morocco* or moroccan* or ifni or mozambique* or mozambican* or myanmar* or burma* or burmese or namibia* or nepal* or nicaragua* or niger* or pakistan* or palestin* or gaza* or west bank* or paraguay* or peru or peruvian* or "peru's" or philippine* or philipine* or phillipine* or philippine* or filipino* or filipina* or russia* or ussr* or soviet* or rwanda* or rwandese or ruanda* or ruandese or samoa* or navigator island* or pacific island* or polynesia* or "sao tome and principe*" or sao tomean* or santomean* or senegal* or serbia* or sierra leone* or melanesia* or solomon island* or norfolk island* or somali* or sri lanka* or ceylon* or saint lucia* or st lucia* or saint vincent* or st vincent* or vincentian* or grenadine* or sudan* or surinam* or syria* or tajik* or tadjik* or tadjik* or tanzania* or tanganyika* or thai* or timor leste* or east timor* or timorese* or togo or togoles* or "togo's" or tonga* or tunisia* or turkmen* or uganda* or ukrain* or uzbek* or vanuatu* or new hebrides* or vietnam* or viet nam* or yemen* or zambia* or zimbabwe* or rhodesia* or arab* countr* or middle east* or global south or sahara* or subsahara* or magreb*         </p>		
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	<p>           or maghrib* or west indies* or caribbean* or central america* or latin america* or south america* or central asia* or north asia* or northern asia* or southeastern asia* or south eastern asia* or southeast asia* or south east asia* or west asia* or western asia* or east europe* or eastern europe* or developing countr* or developing nation* or developing population* or developing world or less developed countr* or less developed nation* or less developed world or lesser developed countr* or lesser developed nation* or lesser developed world or under developed countr* or under developed nation* or under developed world or underdeveloped countr* or underdeveloped nation* or underdeveloped world or middle income countr* or middle income nation* or middle income population* or low income countr* or low income nation* or low income population* or lower income countr* or lower income nation* or lower income population* or underserved countr* or underserved nation* or underserved population* or under served population* or under served nation* or under served population* or deprived countr* or deprived population* or high burden countr* or high burden nation* or countdown countr* or countdown nation* or poor countr* or poor nation* or poor population* or poor world or poorer countr* or poorer nation* or poorer population* or poorer world or developing econom* or less developed econom* or underdeveloped econom* or under developed econom* or middle income econom* or low income econom* or lower income econom* or low gdp or low gnp or low gross domestic or low gross national or lower gdp or lower gnp or lower gross domestic or lower gross national or lmic or lmic or third world or lami countr* or transitional countr* or emerging econom* or emerging nation*).ti,ab,hw,kf. 2298614            17 1 and 4 and 7 2938            18 17 and 15 1575         </p>		
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	<p>19 18 not 16 1406</p> <p>20 limit 19 to (english language and "remove medline records") 458</p>		
<p><b>PsycINFO (OVID) 1806-</b></p>	<p>APA PsycInfo &lt;1806 to July Week 4 2023&gt;</p> <p>1 (teen* or youth* or adolescen* or juvenile* or (young adj2 (adult* or person* or individual* or people* or population* or man or men or wom#n)) or college* or ((secondary or high*) adj2 (school* or education))).ti,ab. or adolescent/ or young adult/ 674382</p> <p>2 (Alcohol or Alcoholic or Alcoholism or Amphetamine or Amphetamines or Cocaine or Marijuana or Marihuana or Cannabis or Hashish or Opioid* or Narcotic* or Heroin or smoking or smoker* or tobacco or e-cigarette* or hookah or vaping or cigarette*).ti,ab. or exp alcohol abuse/ or exp alcoholism/ or exp amphetamine/ or exp cocaine/ or exp Cannabis/ or exp cocaine/ or exp "cannabis use"/ or exp tobacco smoking/ 268673</p> <p>3 ((drug or substance) adj2 (abuse or misuse or addiction or overdos* or prevention)).mp. 105661</p> <p>4 2 or 3 323809</p> <p>5 Wireless Technology/ or Mobile Applications/ or Therapy, Computer Assisted/ or Internet/ or Video Games/ or (mobile application* or mobile app* or "portable electronic apps" or "portable electronic applications" or "portable software application" or mhealth or ehealth or "smartphone" or mobile tech* or mobile device* or telehealth or teletherapy or computer assisted therapy or internet or online or web-based or video game* or computer game*).ti,ab. 190358</p> <p>6 intervention*.ti,ab. 469341</p>	<p>8/2/23</p>	<p>572 -442 duplicates  = 130 unique items</p>

	<p>7 5 and 628525</p> <p>8 (randomized or randomised or randomization or randomisation or placebo or randomly or trial or groups or "clinical trials" or "evaluation study" or "intervention study" or "intervention studies" or "case-control" or cohort or longitudinal or longitudinally or prospective or prospectively or retrospective or "follow up" or "comparative study" or "meta-analysis" or "meta-analyses").ti,ab. 1133033</p> <p>9 drug therapy.sh. 148611</p> <p>10 Longitudinal Studies/ 16110</p> <p>11 Retrospective Studies/ 936</p> <p>12 or/8-11 1223975</p> <p>13 (afghan* or africa* or albania* or algeria* or angola* or argentin* or armenia* or azerbaijan* or bangladesh* or bengal* or bangal* or belarus* or belorus* or byelarus* or byelorus* or belize* or benin* or dahomey or bhutan* or bolivia* or bosnia* or herzegovin* or botswan* or batswan* or bechuanaland* or brazil* or brasil* or bulgaria* or burkina* or burkinese* or upper volta* or burundi* or urundi* or cabo verde* or cape verde* or cambodia* or kampuchea* or khmer* or cameroon* or cameroun* or ubangi shari* or chad* or colombia* or comoro* or comore* or comorian* or mayotte* or congo* or zaire* or costa rica* or "cote d'ivoir*" or "cote d'ivoir*" or cote divoir* or cote d ivoir* or ivory coast* or ivorian* or cuba or cuban or cubans or "cuba's" or djibouti* or french somaliland* or dominica* or ecuador* or egypt* or united arab republic* or el salvador* or salvadoran* or guinea* or equatorial guinea* or eritrea* or eswatini* or swaziland* or swazi* or swati* or ethiopia* or fiji* or gabon* or gabonese* or gabonaise* or gambia* or georgia or georgian or Georgians or ghana* or grenada* or grenadian* or guatemala* or haiti* or hispaniola* or hondura* or india* or indonesia* or iran* or iraq* or jamaica* or jordan* or kazakh* or kenya* or</p>		
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	<p>           karabati* or kosovo* or kosova* or kyrgyz* or kirgiz* or kirghiz* or laos or lao or laotian* or lebanon* or lebanese* or lesotho* or lesothan* or lesothonian* or basutoland* or mosotho* or basotho* or liberia* or libya* or jamahiriya* or macedonia* or madagascar* or malagasy* or malawi* or nyasaland* or malaysia* or malay* federation or maldives* or maldivian* or indian ocean or mali or malian* or "mali's" or micronesia* or marshallese* or kiribati* or marshall island* or tuvalu* or mauritania* or mauritan* or mauritius* or mexico* or mexican* or moldova* or moldovia* or mongol* or montenegr* or morocco* or moroccan* or ifni or mozambique* or mozambican* or myanmar* or burma* or burmese or namibia* or nepal* or nicaragua* or niger* or pakistan* or palestin* or gaza* or west bank* or paraguay* or peru or peruvian* or "peru's" or philippine* or philipine* or phillipine* or phillippine* or filipino* or filipina* or russia* or ussr* or soviet* or rwanda* or rwandese or ruanda* or ruandese or samoa* or navigator island* or pacific island* or polynesia* or "sao tome and principe*" or sao tomean* or santomean* or senegal* or serbia* or sierra leone* or melanesia* or solomon island* or norfolk island* or somali* or sri lanka* or ceylon* or saint lucia* or st lucia* or saint vincent* or st vincent* or vincentian* or grenadine* or sudan* or surinam* or syria* or tajik* or tadjik* or tadjik* or tanzania* or tanganyika* or thai* or timor leste* or east timor* or timorese* or togo or togoles* or "togo's" or tonga* or tunisia* or turkmen* or uganda* or ukraine* or uzbek* or vanuatu* or new hebrides* or vietnam* or vietnam* or yemen* or zambia* or zimbabwe* or rhodesia* or arab* countr* or middle east* or global south or sahara* or subsahara* or magreb* or maghrib* or west indies* or caribbean* or central america* or latin america* or south america* or central asia* or north asia* or northern asia* or southeastern asia* or south eastern asia* or southeast asia* or south east         </p>		
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	<p>           asia* or west asia* or western asia* or east            europe* or eastern europe* or developing            countr* or developing nation* or developing            population* or developing world or less            developed countr* or less developed nation* or            less developed world or lesser developed countr*            or lesser developed nation* or lesser developed            world or under developed countr* or under            developed nation* or under developed world or            underdeveloped countr* or underdeveloped            nation* or underdeveloped world or middle            income countr* or middle income nation* or            middle income population* or low income            countr* or low income nation* or low income            population* or lower income countr* or lower            income nation* or lower income population* or            underserved countr* or underserved nation* or            underserved population* or under served            population* or under served nation* or under            served population* or deprived countr* or            deprived population* or high burden countr* or            high burden nation* or countdown countr* or            countdown nation* or poor countr* or poor            nation* or poor population* or poor world or            poorer countr* or poorer nation* or poorer            population* or poorer world or developing            econom* or less developed econom* or            underdeveloped econom* or under developed            econom* or middle income econom* or low            income econom* or lower income econom* or            low gdp or low gnp or low gross domestic or low            gross national or lower gdp or lower gnp or lower            gross domestic or lower gross national or lmic or            lmic or third world or lami countr* or transitional            countr* or emerging econom* or emerging            nation*).ti,ab,hw. 350619         </p> <p>           14 1 and 4 and 7 1346            15 14 and 12 642            16 15 not 13 602            17 limit 16 to english language 572         </p>		
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<p><b>Cochrane Library</b></p>	<p>#1 (teen* or youth* or adolescen* or juvenile* or (young NEAR/2 (adult* or person* or individual* or people* or population* or man or men or wom#n)) or college* or ((secondary or high*) adj2 (school* or education))):ti,ab 74928</p> <p>#2 MeSH descriptor: [Adolescent] this term only 125679</p> <p>#3 MeSH descriptor: [Young Adult] this term only 84849</p> <p>#4 #1 OR #2 OR #3 220447</p> <p>#5 ((drug or substance) NEAR/2 (abuse or misuse or addiction or overdos* OR prevention)) 37569</p> <p>#6 (Alcohol or Alcoholic or Alcoholism or Amphetamine or Amphetamines or Cocaine or Marijuana or Marihuana or Cannabis or Hashish or Opioid* or Narcotic* or Heroin OR smoking or smoker* or tobacco or e-cigarette* or hookah or vaping or cigarette*):ti,ab 103261</p> <p>#7 #5 OR #6 132986</p> <p>#8 ("mobile application" OR "mobile applications" OR "mobile app" OR "mobile apps" OR "portable electronic apps" OR "portable electronic applications" OR "portable software application" OR mhealth OR ehealth OR "smartphone" OR "mobile tech" OR "mobile technology" OR "mobile technologies" OR "mobile device" OR "mobile devices" OR telehealth OR teletherapy OR "computer assisted therapy" OR internet OR online OR "web-based" OR "video game" OR "video games" OR "computer games" OR "computer game"):ti,ab 50888</p> <p>#9 intervention* 574702</p> <p>#10 #8 AND #9 33702</p> <p>#11 (randomized or randomised or randomization or randomisation or placebo or randomly or trial or groups or "clinical trials" OR "clinical trial" or "evaluation study" or "intervention study" or "intervention studies" or "case-control" or cohort or longitudinal or</p>	<p>8/2/23</p>	<p>983</p> <p>-657 duplicates</p> <p>= 326 unique items</p>
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	<p>longitudinally or prospective or prospectively or retrospective or "follow up" or "comparative study" or "meta-analysis" or "meta-analyses"):ti,ab 1506241</p> <p>#12 #4 AND #7 AND #10 1119</p> <p>#13 #12 AND #11 1064</p> <p>#14 (afghanistan OR albania OR algeria OR angola OR argentina OR armenia OR armenian OR azerbaijan OR bangladesh OR "republic of belarus" OR belarus OR byelarus OR belorussia OR byelorussian OR belize OR "british honduras" OR benin OR dahomey OR bhutan OR bolivia OR "bosnia and herzegovina" OR bosnia OR herzegovina OR botswana OR bechuanaland OR brazil OR brasil OR bulgaria OR "burkina faso" OR "burkina fasso" OR "upper volta" OR burundi OR urundi OR "cabo verde" OR "cape verde" OR cambodia OR kampuchea OR "khmer republic" OR cameroon OR cameron OR cameroun OR "central african republic" OR "ubangi shari" OR chad OR china OR colombia OR comoros OR "comoro islands" OR "iles comores" OR mayotte OR "democratic republic of the congo" OR "democratic republic congo" OR congo OR zaire OR "costa rica" OR "cote d'ivoire" OR "cote d'ivoire" OR "cote divoire" OR "cote d ivoire" OR "ivory coast" OR cuba OR djibouti OR "french somaliland" OR dominica OR "dominican republic" OR ecuador OR egypt OR "united arab republic" OR "el salvador" OR "equatorial guinea" OR "spanish guinea" OR eritrea OR eswatini OR swaziland OR ethiopia OR fiji OR gabon OR "gabonese republic" OR gambia OR "georgia (republic)" OR georgia OR georgian OR ghana OR "gold coast" OR grenada OR guatemala OR guinea OR "guinea bissau" OR haiti OR hispaniola OR honduras OR india OR indonesia OR timor OR iran OR iraq OR jamaica OR jordan OR kazakhstan OR kazakh OR kenya OR kosovo OR kyrgyzstan OR kirghizia OR kirgizstan OR "kyrgyz republic" OR kirghiz OR laos OR "lao pdr" OR "lao people's democratic republic" OR lebanon OR "lebanese republic" OR lesotho OR basutoland OR liberia OR</p>		
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	<p>           libya OR "libyan arab jamahiriya" OR "republic of north macedonia" OR macedonia OR madagascar OR "malagasy republic" OR malawi OR nyasaland OR malaysia OR "malay federation" OR "malaya federation" OR maldives OR "indian ocean islands" OR "indian ocean" OR mali OR micronesia OR "federated states of micronesia" OR kiribati OR "marshall islands" OR palau OR tuvalu OR mauritania OR mauritius OR mexico OR moldova OR moldovian OR mongolia OR montenegro OR morocco OR ifni OR mozambique OR myanmar OR burma OR namibia OR nepal OR nicaragua OR niger OR nigeria OR muscat OR pakistan OR "papua new guinea" OR paraguay OR peru OR philippines OR philipines OR phillipines OR philippines OR russia OR "russian federation" OR ussr OR "soviet union" OR "union of soviet socialist republics" OR rwnda OR ruanda OR samoa OR "pacific islands" OR polynesia OR "samoan islands" OR "navigator island" OR "navigator islands" OR "sao tome and principe" OR senegal OR serbia OR "sierra leone" OR melanesia OR "solomon island" OR "solomon islands" OR "norfolk island" OR "norfolk islands" OR somalia OR "south africa" OR "south sudan" OR "sri lanka" OR ceylon OR "saint lucia" OR "st. lucia" OR "saint vincent and the grenadines" OR "saint vincent" OR "st. vincent" OR grenadines OR sudan OR suriname OR surinam OR "dutch guiana" OR "netherlands guiana" OR syria OR "syrian arab republic" OR tajikistan OR tadjikistan OR tadhikistan OR tadhik OR tanzania OR tanganyika OR thailand OR siam OR "timor leste" OR "east timor" OR togo OR "togolese republic" OR tonga OR tunisia OR turkmenistan OR turkmen OR uganda OR ukraine OR uzbekistan OR uzbek OR vanuatu OR "new hebrides" OR vietnam OR "viet nam" OR "middle east" OR "west bank" OR gaza OR palestine OR yemen OR zambia OR zimbabwe OR "northern rhodesia" OR "global south" OR "africa south of the sahara" OR "sub saharan africa" OR "subsaharan africa" OR "africa, central" OR "central africa" OR "africa, northern"         </p>		
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	<p>           OR "north africa" OR "northern africa" OR magreb            OR maghrib OR sahara OR "africa, southern" OR            "southern africa" OR "africa, eastern" OR "east            africa" OR "eastern africa" OR "africa, western"            OR "west africa" OR "western africa" OR "west            indies" OR "indian ocean islands" OR caribbean OR            "central america" OR "latin america" OR "south            and central america" OR "south america" OR "asia,            central" OR "central asia" OR "asia, northern" OR            "north asia" OR "northern asia" OR "asia,            southeastern" OR "southeastern asia" OR "south            eastern asia" OR "southeast asia" OR "south east            asia" OR "asia, western" OR "western asia" OR            "europe, eastern" OR "east europe" OR "eastern            europe" OR "developing country" OR "developing            countries" OR "developing nation" OR "developing            nations" OR "developing population" OR            "developing populations" OR "developing world"            OR "less developed country" OR "less developed            countries" OR "less developed nation" OR "less            developed nations" OR "less developed            population" OR "less developed populations" OR            "less developed world" OR "lesser developed            country" OR "lesser developed countries" OR            "lesser developed nation" OR "lesser developed            nations" OR "lesser developed population" OR            "lesser developed populations" OR "lesser            developed world" OR "under developed country"            OR "under developed countries" OR "under            developed nation" OR "under developed nations"            OR "under developed population" OR "under            developed populations" OR "under developed            world" OR "underdeveloped country" OR            "underdeveloped countries" OR "underdeveloped            nation" OR "underdeveloped nations" OR            "underdeveloped population" OR            "underdeveloped populations" OR            "underdeveloped world" OR "middle income            country" OR "middle income countries" OR            "middle income nation" OR "middle income            nations" OR "middle income population" OR            "middle income populations" OR "low income            country" OR "low income countries" OR "low         </p>		
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	<p>             income nation" OR "low income nations" OR "low income population" OR "low income populations" OR "lower income country" OR "lower income countries" OR "lower income nation" OR "lower income nations" OR "lower income population" OR "lower income populations" OR "underserved country" OR "underserved countries" OR "underserved nation" OR "underserved nations" OR "underserved population" OR "underserved populations" OR "underserved world" OR "underserved country" OR "underserved countries" OR "underserved nation" OR "underserved nations" OR "underserved population" OR "underserved populations" OR "underserved world" OR "deprived country" OR "deprived countries" OR "deprived nation" OR "deprived nations" OR "deprived population" OR "deprived populations" OR "deprived world" OR "poor country" OR "poor countries" OR "poor nation" OR "poor nations" OR "poor population" OR "poor populations" OR "poor world" OR "poorer country" OR "poorer countries" OR "poorer nation" OR "poorer nations" OR "poorer population" OR "poorer populations" OR "poorer world" OR "developing economy" OR "developing economies" OR "less developed economy" OR "less developed economies" OR "lesser developed economy" OR "lesser developed economies" OR "under developed economy" OR "under developed economies" OR "underdeveloped economy" OR "underdeveloped economies" OR "middle income economy" OR "middle income economies" OR "low income economy" OR "low income economies" OR "lower income economy" OR "lower income economies" OR "low gdp" OR "low gnp" OR "low gross domestic" OR "low gross national" OR "lower gdp" OR "lower gnp" OR "lower gross domestic" OR "lower gross national" OR "lami country" OR "lami countries" OR "transitional country" OR "transitional countries" OR "emerging economies" OR "emerging nation" OR "emerging nations");ti,ab,kw 103892           </p>		
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	#15 #13 NOT #14 983		
<b>Scopus</b>	<p>           ( ( TITLE-ABS ( teen* OR youth* OR adolescen* OR juvenile* OR ( young W/2 ( adult* OR person* OR individual* OR people* OR population* OR man OR men OR wom#n ) ) OR college* OR ( ( secondary OR high* ) W/2 ( school* OR education ) ) ) ) AND ( ( TITLE-ABS-KEY ( ( drug OR substance ) W/2 ( abuse OR misuse OR addiction OR overdos* OR prevention ) ) ) OR ( TITLE-ABS ( alcohol OR alcoholic OR alcoholism OR amphetamine OR amphetamines OR cocaine OR marijuana OR marihuana OR cannabis OR hashish OR opioid* OR narcotic* OR heroin OR smoking OR smoker* OR tobacco OR e-cigarette* OR hookah OR vaping OR cigarette* ) ) ) AND ( ( TITLE-ABS ( "mobile application" OR "mobile applications" OR "mobile app" OR "mobile apps" OR "portable electronic apps" OR "portable electronic applications" OR "portable software application" OR mhealth OR ehealth OR "smartphone" OR "mobile tech" OR "mobile technology" OR "mobile technologies" OR "mobile device" OR "mobile devices" OR telehealth OR teletherapy OR "computer assisted therapy" OR internet OR online OR "web-based" OR "video game" OR "video games" OR "computer games" OR "computer game" ) ) ) AND ( TITLE-ABS ( intervention* ) ) ) ) AND ( TITLE-ABS ( randomized OR randomised OR randomization OR randomisation OR placebo OR randomly OR trial OR groups OR "clinical trials" OR "clinical trial" OR "evaluation study" OR "evaluation studies" OR "intervention study" OR "intervention studies" OR "case-control" OR cohort OR longitudinal OR longitudinally OR prospective OR prospectively OR retrospective OR "follow up" OR "comparative study" OR "meta-analysis" OR "meta-analyses" ) ) )         </p>	8/2/23	<p>           1014            -793            duplicates              = 221            unique            items         </p>

	<p>           AND ( LIMIT-TO ( LANGUAGE , "English" ) ) AND ( EXCLUDE ( AFFILCOUNTRY , "Bosnia and Herzegovina" ) OR EXCLUDE ( AFFILCOUNTRY , "Ethiopia" ) OR EXCLUDE ( AFFILCOUNTRY , "Georgia" ) OR EXCLUDE ( AFFILCOUNTRY , "Lebanon" ) OR EXCLUDE ( AFFILCOUNTRY , "Malawi" ) OR EXCLUDE ( AFFILCOUNTRY , "Philippines" ) OR EXCLUDE ( AFFILCOUNTRY , "Sri Lanka" ) OR EXCLUDE ( AFFILCOUNTRY , "Syrian Arab Republic" ) OR EXCLUDE ( AFFILCOUNTRY , "Tunisia" ) OR EXCLUDE ( AFFILCOUNTRY , "Argentina" ) OR EXCLUDE ( AFFILCOUNTRY , "Egypt" ) OR EXCLUDE ( AFFILCOUNTRY , "Jordan" ) OR EXCLUDE ( AFFILCOUNTRY , "Indonesia" ) OR EXCLUDE ( AFFILCOUNTRY , "Mexico" ) OR EXCLUDE ( AFFILCOUNTRY , "Thailand" ) OR EXCLUDE ( AFFILCOUNTRY , "Iran" ) OR EXCLUDE ( AFFILCOUNTRY , "Malaysia" ) OR EXCLUDE ( AFFILCOUNTRY , "China" ) )         </p>		
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