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Overview

An implementation strategy is defined as “methods or techniques used to enhance the adoption, implementation, and sustainability of a clinical program or practice” [1]. This toolkit includes examples of commonly used strategies, their common theoretical frameworks and definitions, and recommendations for reporting strategies in manuscripts [2].

What's Inside

In this toolkit you will find definitions of strategies and resources on how to map your strategy to a framework and how to report your strategy in your manuscript. Examples of studies that have used strategies are available in the appendix. These examples come primarily from published study protocols from *Implementation Science*.

Broad Strategy Categories

The following are broad categories of strategies under which discrete strategies are classified. A full list of the strategies, their definitions, and links to examples can be found in the Excel spreadsheet accompanying this toolkit.

Category ²	Examples
Evaluative and iterative strategies	Assess for readiness and identify barriers and facilitators, Audit and provide feedback
Provide interactive assistance	Provide facilitation, Provide clinical supervision, Provide local technical assistance
Adapt and tailor to context	Promote adaptability, Tailor strategies, Use data experts
Develop stakeholder relationships	Build a coalition, Identify and prepare champions, Conduct local consensus discussions
Train and education stakeholders	Conduct educational meetings, Develop and distribute educational materials
Support clinicians	Facilitate relay of clinical data to providers, Remind clinicians
Engage consumers	Intervene with patients/consumers to enhance uptake and adherence, Use mass media
Utilize financial strategies	Access new funding, Alter patient/consumer fees, Allow incentives/allowance structures
Change infrastructure	Change physical structure or equipment, Change record systems

D&I Models and Frameworks

Models and frameworks provide a systematic way to develop, manage, and evaluate interventions or research questions [3]. Choosing a dissemination or implementation strategy based on a model or framework is an important step to consider during the planning phase of your study.

The Center for Research in Implementation and Prevention (CRISP) created a website to facilitate the selection of a model or framework. The website can be accessed at www.dissemination-implementation.org

Overview

Recommendations for Reporting

Implementation strategies are often inconsistently and poorly described, operationalized/defined, and lack theoretical justifications in publications. Proctor, Powell, and McMillen [1] recommend three steps in specifying implementation strategies in publications so that implementation researchers can reproduce and measure strategies in future research and compare strategies across studies. For multicomponent strategies, each strategy should be specified separately using each of the steps.

1. Name it
 - a. When possible, draw upon the same terms previous researchers have used to name similar strategies. If using different terms, clear distinctions should be made on how the strategy is different from the current literature.
2. Define it
 - a. Define the strategy conceptually to give a sense of what the strategy may involve. For example, audit and feedback could be defined conceptually as “any summary of clinical performance of health care over a specified period of time’ that can be provided in a written, electronic, or verbal format.”
3. Operationalize it
 - a. Describe the strategy clearly in a way that ensures strategies are discussed among researchers at a common level of granularity to aid in comparison. There are seven domains to operationalize:
 - i. Actor(s)
 - ii. Action(s)
 - iii. Target(s) of the action
 - iv. Temporality
 - v. Dose
 - vi. Implementation outcome(s) affected
 - vii. Justification

See article by Bunger et al. for an example of how to specify a multicomponent strategy in a manuscript [4].

References

1. Proctor EK, Powell BJ, McMillen JC. Implementation strategies: recommendations for specifying and reporting. *Implementation science : IS*. 2013;8:139. doi:10.1186/1748-5908-8-139.
2. Powell, B. J., Waltz, T. J., Chinman, M. J., Damschroder, L. J., Smith, J. L., Matthieu, M. M., ... & Kirchner, J. E. (2015). A refined compilation of implementation strategies: results from the Expert Recommendations for Implementing Change (ERIC) project. *Implementation Science*, 10(1), 21.
3. Davies, P., Walker, A. E., & Grimshaw, J. M. (2010). A systematic review of the use of theory in the design of guideline dissemination and implementation strategies and interpretation of the results of rigorous evaluations. *Implement Sci*, 5(14), 5908-5.
4. Bunker, A. C., Hanson, R. F., Doogan, N. J., Powell, B. J., Cao, Y., & Dunn, J. (2014). Can Learning Collaboratives Support Implementation by Rewiring Professional Networks?. *Administration and Policy in Mental Health and Mental Health Services Research*, 1-14.

Appendix: Examples of articles.

Single Hospital	
Strategy	Example
Use evaluative and iterative strategies	
Assess for readiness and identify barriers and facilitators	Hamilton, S., McLaren, S., & Mulhall, A. (2007). Assessing organisational readiness for change: use of diagnostic analysis prior to the implementation of a multidisciplinary assessment for acute stroke care. <i>Implement Sci</i>, 2(21), 21.
Audit and provide feedback	Dulko, D., Hertz, E., Julien, J., Beck, S., & Mooney, K. (2010). Implementation of cancer pain guidelines by acute care nurse practitioners using an audit and feedback strategy. <i>Journal of the American Academy of Nurse Practitioners</i>, 22(1), 45-55.
Conduct local needs assessment	Lane-Fall, M. B., Beidas, R. S., Pascual, J. L., Collard, M. L., Peifer, H. G., Chavez, T. J., ... & Barg, F. K. (2014). Handoffs and transitions in critical care (HATRICC): protocol for a mixed methods study of operating room to intensive care unit hando
Develop and implement tools for quality monitoring	Collet, J. P., Skippen, P. W., Mosavianpour, M. K., Pitfield, A., Chakraborty, B., Hunte, G., ... & McKellin, W. H. (2014). Engaging pediatric intensive care unit (PICU) clinical staff to lead practice improvement: the PICU participatory action research p
Develop and organize quality monitoring systems	Collet, J. P., Skippen, P. W., Mosavianpour, M. K., Pitfield, A., Chakraborty, B., Hunte, G., ... & McKellin, W. H. (2014). Engaging pediatric intensive care unit (PICU) clinical staff to lead practice improvement: the PICU participatory action research p
Provide interactive assistance	
Centralize technical assistance	Collet, J. P., Skippen, P. W., Mosavianpour, M. K., Pitfield, A., Chakraborty, B., Hunte, G., ... & McKellin, W. H. (2014). Engaging pediatric intensive care unit (PICU) clinical staff to lead practice improvement: the PICU participatory action research p
Facilitation	Collet, J. P., Skippen, P. W., Mosavianpour, M. K., Pitfield, A., Chakraborty, B., Hunte, G., ... & McKellin, W. H. (2014). Engaging pediatric intensive care unit (PICU) clinical staff to lead practice improvement: the PICU participatory action research.
Develop stakeholder relationships	
Organize clinician implementation team meetings	Collet, J. P., Skippen, P. W., Mosavianpour, M. K., Pitfield, A., Chakraborty, B., Hunte, G., ... & McKellin, W. H. (2014). Engaging pediatric intensive care unit (PICU) clinical staff to lead practice improvement: the PICU participatory action research p

Multiple Hospitals

Strategy	Example
Use evaluative and iterative strategies	
Assess for readiness and identify barriers and facilitators	Zapka, J., Simpson, K., Hiott, L., Langston, L., Fakhry, S., & Ford, D. (2013). A mixed methods descriptive investigation of readiness to change in rural hospitals participating in a tele-critical care intervention. BMC Health Services Research, 13, 33. d
Audit and provide feedback	Emond, Y. E., Calsbeek, H., Teerenstra, S., Bloo, G. J., Westert, G. P., Damen, J., ... & Wollersheim, H. C. (2015). Improving the implementation of perioperative safety guidelines using a multifaceted intervention approach: protocol of the IMPROVE study.
Conduct local needs assessment	Eskicioglu, C., Gagliardi, A. R., Fenech, D. S., Forbes, S. S., McKenzie, M., McLeod, R. S., & Nathens, A. B. (2012). Surgical site infection prevention: a survey to identify the gap between evidence and practice in University of Toronto teaching hospital
Develop a formal implementation blueprint	Owen, R. R., Drummond, K. L., Viverito, K. M., Marchant, K., Pope, S. K., Smith, J. L., & Landes, R. D. (2013). Monitoring and managing metabolic effects of antipsychotics: a cluster randomized trial of an intervention combining evidence-based quality imp
Provide interactive assistance	
Provide clinical supervision	Paul, C. L., Levi, C. R., D'Este, C. A., Parsons, M. W., Bladin, C. F., Lindley, R. I., ... & Sanson-Fisher, R. W. (2014). Thrombolysis ImPlementation in Stroke (TIPS): evaluating the effectiveness of a strategy to increase the adoption of best evidence p
Develop stakeholder relationships	
Identify and prepare champions	Brown, B. B., Young, J., Smith, D. P., Kneebone, A. B., Brooks, A. J., Xhilaga, M., ... & Haines, M. (2014). Clinician-led improvement in cancer care (CLICC)-testing a multifaceted implementation strategy to increase evidence-based prostate cancer care: p
Inform local opinion leaders	Brown, B. B., Young, J., Smith, D. P., Kneebone, A. B., Brooks, A. J., Xhilaga, M., ... & Haines, M. (2014). Clinician-led improvement in cancer care (CLICC)-testing a multifaceted implementation strategy to increase evidence-based prostate cancer care: p
Organize clinician implementation team meetings	Paul, C. L., Levi, C. R., D'Este, C. A., Parsons, M. W., Bladin, C. F., Lindley, R. I., ... & Sanson-Fisher, R. W. (2014). Thrombolysis ImPlementation in Stroke (TIPS): evaluating the effectiveness of a strategy to increase the adoption of best evidence p
Promote network weaving	Brown, B. B., Young, J., Smith, D. P., Kneebone, A. B., Brooks, A. J., Xhilaga, M., ... & Haines, M. (2014). Clinician-led improvement in cancer care (CLICC)-testing a multifaceted implementation strategy to increase evidence-based prostate cancer care: p
Recruit, designate, and train for leadership	Paul, C. L., Levi, C. R., D'Este, C. A., Parsons, M. W., Bladin, C. F., Lindley, R. I., ... & Sanson-Fisher, R. W. (2014). Thrombolysis ImPlementation in Stroke (TIPS): evaluating the effectiveness of a strategy to increase the adoption of best evidence p
Use advisory boards and workgroups	Paul, C. L., Levi, C. R., D'Este, C. A., Parsons, M. W., Bladin, C. F., Lindley, R. I., ... & Sanson-Fisher, R. W. (2014). Thrombolysis ImPlementation in Stroke (TIPS): evaluating the effectiveness of a strategy to increase the adoption of best evidence p

Use an implementation advisor	Paul, C. L., Levi, C. R., D'Este, C. A., Parsons, M. W., Bladin, C. F., Lindley, R. I., ... & Sanson-Fisher, R. W. (2014). Thrombolysis ImPlementation in Stroke (TIPS): evaluating the effectiveness of a strategy to increase the adoption of best evidence p
Train and educate stakeholders	
Conduct educational outreach visits	Tapp, H., McWilliams, A., Ludden, T., Kuhn, L., Taylor, Y., Alkhazraji, T., ... & Dulin, M. (2014). Comparing traditional and participatory dissemination of a shared decision making intervention (ADAPT-NC): a cluster randomized trial.Implementation Scienc
Conduct ongoing training	Tapp, H., McWilliams, A., Ludden, T., Kuhn, L., Taylor, Y., Alkhazraji, T., ... & Dulin, M. (2014). Comparing traditional and participatory dissemination of a shared decision making intervention (ADAPT-NC): a cluster randomized trial.Implementation Scienc
Distribute educational materials	Brown, B. B., Young, J., Smith, D. P., Kneebone, A. B., Brooks, A. J., Xhilaga, M., ... & Haines, M. (2014). Clinician-led improvement in cancer care (CLICC)-testing a multifaceted implementation strategy to increase evidence-based prostate cancer care: p
Provide ongoing consultation	Paul, C. L., Levi, C. R., D'Este, C. A., Parsons, M. W., Bladin, C. F., Lindley, R. I., ... & Sanson-Fisher, R. W. (2014). Thrombolysis ImPlementation in Stroke (TIPS): evaluating the effectiveness of a strategy to increase the adoption of best evidence p
Support clinicians	
Facilitate relay of clinical data to providers	Paul, C. L., Levi, C. R., D'Este, C. A., Parsons, M. W., Bladin, C. F., Lindley, R. I., ... & Sanson-Fisher, R. W. (2014). Thrombolysis ImPlementation in Stroke (TIPS): evaluating the effectiveness of a strategy to increase the adoption of best evidence p
Engage consumers	
Intervene with patients/consumers to enhance uptake and adherence	Leon-Carlyle, M., Spiegle, G., Schmocker, S., Gagliardi, A., Urbach, D., & Kennedy, E. (2009). Using patient and physician perspectives to develop a shared decision-making framework for colorectal cancer. Implement Sci, 4, 81.

Single Outpatient Clinic

Strategy	Example
Use evaluative and iterative strategies	
Audit and provide feedback	Rust, C. T., Sisk, F. A., Kuo, A. R., Smith, J., Miller, R., & Sullivan, K. M. (1999). Impact of resident feedback on immunization outcomes. Archives of pediatrics & adolescent medicine, 153(11), 1165-1169.
Conduct local needs assessment	Sharifi, M., Adams, W. G., Winickoff, J. P., Guo, J., Reid, M., & Boynton-Jarrett, R. (2014). Enhancing the electronic health record to increase counseling and quit-line referral for parents who smoke. Academic pediatrics, 14(5), 478-484.
Develop a formal implementation blueprint	
Develop and implement tools for quality monitoring	Mann, D. M., Kannry, J. L., Edonyabo, D., Li, A. C., Arciniega, J., Stulman, J., ... & McGinn, T. G. (2011). Rationale, design, and implementation protocol of an electronic health record integrated clinical prediction rule (iCPR) randomized trial in prima
Develop and organize quality monitoring systems	
Obtain and use patients/consumers and family feedback	Yu, C. H., Stacey, D., Sale, J., Hall, S., Kaplan, D. M., Ivers, N., ... Straus, S. E. (2014). Designing and evaluating an interprofessional shared decision-making and goal-setting decision aid for patients with diabetes in clinical care - systematic decisi
Adapt and tailor to context	
Tailor strategies	Ista, E., Trogrlic, Z., Bakker, J., Osse, R. J., van Achterberg, T., & van der Jagt, M. (2014). Improvement of care for ICU patients with delirium by early screening and treatment: study protocol of iDECePTivE study. Implementation Science, 9(1), 143.
Train and educate stakeholders	
Develop educational materials	Yu, C. H., Stacey, D., Sale, J., Hall, S., Kaplan, D. M., Ivers, N., ... Straus, S. E. (2014). Designing and evaluating an interprofessional shared decision-making and goal-setting decision aid for patients with diabetes in clinical care - systematic decisi
Engage consumers	
Involve patients/consumers and family members	Yu, C. H., Stacey, D., Sale, J., Hall, S., Kaplan, D. M., Ivers, N., ... Straus, S. E. (2014). Designing and evaluating an interprofessional shared decision-making and goal-setting decision aid for patients with diabetes in clinical care - systematic decisi
Change infrastructure	
Change record systems	Mann, D. M., Kannry, J. L., Edonyabo, D., Li, A. C., Arciniega, J., Stulman, J., ... & McGinn, T. G. (2011). Rationale, design, and implementation protocol of an electronic health record integrated clinical prediction rule (iCPR) randomized trial in prima

Multiple Outpatients Clinics

Strategy	Example
Use evaluative and iterative strategies	
Assess for readiness and identify barriers and facilitators	Rubenstein, L. V., Danz, M. S., Crain, A. L., Glasgow, R. E., Whitebird, R. R., & Solberg, L. I. (2014). Assessing organizational readiness for depression care quality improvement: relative commitment and implementation capability. <i>Implementation Science</i>.
Audit and provide feedback	Riis, A., Jensen, C. E., Bro, F., Maingdal, H. T., Petersen, K. D., & Jensen, M. B. (2013). Enhanced implementation of low back pain guidelines in general practice: study protocol of a cluster randomised controlled trial. <i>Implementation Science</i>, 8(1), 124.
Conduct local needs assessment	Schmid, A. A., Andersen, J., Kent, T., Williams, L. S., & Damush, T. M. (2010). Using intervention mapping to develop and adapt a secondary stroke prevention program in Veterans Health Administration medical centers. <i>Implementation Science : IS</i>, 5, 97. do
Develop and implement tools for quality monitoring	de Keizer, N. F., van der Veer, S. N., Kemps, H. M., op Reimer, W. J. S., Jaspers, M. W., & Peek, N. (2014). Evaluating the effect of a web-based quality improvement system with feedback and outreach visits on guideline concordance in the field of cardiac
Stage implementation scale up	Quanbeck, A. R., Gustafson, D. H., Marsch, L. A., McTavish, F., Brown, R. T., Mares, M. L., ... & McDowell, H. (2014). Integrating addiction treatment into primary care using mobile health technology: protocol for an implementation research study. <i>Impleme</i>
Provide interactive assistance	
Centralize technical assistance	
Facilitation	Liddy, C., Hogg, W., Russell, G., Wells, G., Armstrong, C. D., Akbari, A., ... & Cornett, A. (2011). Improved delivery of cardiovascular care (IDOCC) through outreach facilitation: study protocol and implementation details of a cluster randomized controll
Provide clinical supervision	
Provide local technical assistance	
Adapt and tailor to context	
Promote adaptability	Liddy, C., Hogg, W., Russell, G., Wells, G., Armstrong, C. D., Akbari, A., ... & Cornett, A. (2011). Improved delivery of cardiovascular care (IDOCC) through outreach facilitation: study protocol and implementation details of a cluster randomized controll
Develop stakeholder relationships	
Conduct local consensus discussions	Liddy, C., Hogg, W., Russell, G., Wells, G., Armstrong, C. D., Akbari, A., ... & Cornett, A. (2011). Improved delivery of cardiovascular care (IDOCC) through outreach facilitation: study protocol and implementation details of a cluster randomized controll
Use an implementation advisor	Riis, A., Jensen, C. E., Bro, F., Maingdal, H. T., Petersen, K. D., & Jensen, M. B. (2013). Enhanced implementation of low back pain guidelines in general practice: study protocol of a cluster randomised controlled trial. <i>Implementation Science</i>, 8(1), 124.
Train and educate stakeholders	

Conduct educational outreach visits	Pinto, D., Heleno, B., Rodrigues, D. S., Papoila, A. L., Santos, I., & Caetano, P. A. (2014). An open cluster-randomized, 18-month trial to compare the effectiveness of educational outreach visits with usual guideline dissemination to improve family physi
Develop educational materials	Van den Boogaard, N. M., Kersten, F. A., Goddijn, M., Bossuyt, P. M., van der Veen, F., Hompes, P. G., ... Nelen, W. L. (2013). Improving the implementation of tailored expectant management in subfertile couples: protocol for a cluster randomized trial. Imp
Distribute educational materials	Riis, A., Jensen, C. E., Bro, F., Maindal, H. T., Petersen, K. D., & Jensen, M. B. (2013). Enhanced implementation of low back pain guidelines in general practice: study protocol of a cluster randomised controlled trial. Implementation Science, 8(1), 124.
Use train-the-trainer strategies	Quanbeck, A. R., Gustafson, D. H., Marsch, L. A., McTavish, F., Brown, R. T., Mares, M. L., ... & McDowell, H. (2014). Integrating addiction treatment into primary care using mobile health technology: protocol for an implementation research study. Impleme
Support clinicians	
Facilitate relay of clinical data to providers	Van den Boogaard, N. M., Kersten, F. A., Goddijn, M., Bossuyt, P. M., van der Veen, F., Hompes, P. G., ... Nelen, W. L. (2013). Improving the implementation of tailored expectant management in subfertile couples: protocol for a cluster randomized trial. Imp
Remind clinicians	Van den Boogaard, N. M., Kersten, F. A., Goddijn, M., Bossuyt, P. M., van der Veen, F., Hompes, P. G., ... Nelen, W. L. (2013). Improving the implementation of tailored expectant management in subfertile couples: protocol for a cluster randomized trial. Imp
Engage consumers	
Intervene with patients/consumers to enhance uptake and adherence	Van den Boogaard, N. M., Kersten, F. A., Goddijn, M., Bossuyt, P. M., van der Veen, F., Hompes, P. G., ... Nelen, W. L. (2013). Improving the implementation of tailored expectant management in subfertile couples: protocol for a cluster randomized trial. Imp
Prepare patients/consumers to be active participants	Cooper, L. A., Ford, D. E., Ghods, B. K., Roter, D. L., Primm, A. B., Larson, S. M., ... & Wang, N. Y. (2010). A cluster randomized trial of standard quality improvement versus patient-centered interventions to enhance depression care for African American
Utilize financial strategies	
Alter incentive/allowance structures	Petersen, L. A., Urech, T., Simpson, K., Pietz, K., Hysong, S. J., Profit, J., ... Woodard, L. D. (2011). Design, rationale, and baseline characteristics of a cluster randomized controlled trial of pay for performance for hypertension treatment: study proto
Use other payment schemes	Van den Boogaard, N. M., Kersten, F. A., Goddijn, M., Bossuyt, P. M., van der Veen, F., Hompes, P. G., ... Nelen, W. L. (2013). Improving the implementation of tailored expectant management in subfertile couples: protocol for a cluster randomized trial. Imp
Change infrastructure	
Change record systems	Riis, A., Jensen, C. E., Bro, F., Maindal, H. T., Petersen, K. D., & Jensen, M. B. (2013). Enhanced implementation of low back pain guidelines in general practice: study protocol of a cluster randomised controlled trial. Implementation Science, 8(1), 124.

Mental Health Setting

Strategy	Example
Use evaluative and iterative strategies	
Assess for readiness and identify barriers and facilitators	Mancini, A. D., Moser, L. L., Whitley, R., McHugo, G. J., Bond, G. R., Finnerty, M. T., & Burns, B. J. (2009). Assertive community treatment: Facilitators and barriers to implementation in routine mental health settings. <i>Psychiatric Services</i>, 60(2), 189.
Audit and provide feedback	Bartlem, K., Bowman, J., Freund, M., Wye, P., McElwaine, K., Knight, J., ... Wiggers, J. (2013). Evaluating the effectiveness of a clinical practice change intervention in increasing clinician provision of preventive care in a network of community-based men
Conduct local needs assessment	Cabassa, L. J., Gomes, A. P., Meyreles, Q., Capitelli, L., Younge, R., Dragatsi, D., ... & Lewis-Fernández, R. (2014). Using the collaborative intervention planning framework to adapt a health-care manager intervention to a new population and provider gro
Develop a formal implementation blueprint	Kilbourne, A. M., Almirall, D., Eisenberg, D., Waxmonsky, J., Goodrich, D. E., Fortney, J. C., ... Thomas, M. R. (2014). Protocol: Adaptive Implementation of Effective Programs Trial (ADEPT): cluster randomized SMART trial comparing a standard versus enhanc
Develop and implement tools for quality monitoring	Bartlem, K., Bowman, J., Freund, M., Wye, P., McElwaine, K., Knight, J., ... Wiggers, J. (2013). Evaluating the effectiveness of a clinical practice change intervention in increasing clinician provision of preventive care in a network of community-based men
Adapt and tailor to context	
Promote adaptability	Cabassa, L. J., Druss, B., Wang, Y., & Lewis-Fernández, R. (2011). Collaborative planning approach to inform the implementation of a healthcare manager intervention for Hispanics with serious mental illness: a study protocol. <i>Implement Sci</i>, 6, 80.
Develop stakeholder relationships	
Conduct local consensus discussions	Cabassa, L. J., Druss, B., Wang, Y., & Lewis-Fernández, R. (2011). Collaborative planning approach to inform the implementation of a healthcare manager intervention for Hispanics with serious mental illness: a study protocol. <i>Implement Sci</i>, 6, 80.
Involve executive boards	Bartlem, K., Bowman, J., Freund, M., Wye, P., McElwaine, K., Knight, J., ... Wiggers, J. (2013). Evaluating the effectiveness of a clinical practice change intervention in increasing clinician provision of preventive care in a network of community-based men
Promote network weaving	Bartlem, K., Bowman, J., Freund, M., Wye, P., McElwaine, K., Knight, J., ... Wiggers, J. (2013). Evaluating the effectiveness of a clinical practice change intervention in increasing clinician provision of preventive care in a network of community-based men
Use advisory boards and workgroups	Cabassa, L. J., Druss, B., Wang, Y., & Lewis-Fernández, R. (2011). Collaborative planning approach to inform the implementation of a healthcare manager intervention for Hispanics with serious mental illness: a study protocol. <i>Implement Sci</i>, 6, 80.
Train and educate stakeholders	
Develop educational materials	Bartlem, K., Bowman, J., Freund, M., Wye, P., McElwaine, K., Knight, J., ... Wiggers, J. (2013). Evaluating the effectiveness of a clinical practice change

	<u>intervention in increasing clinician provision of preventive care in a network of community-based men</u>
Distribute educational materials	<u>Bartlem, K., Bowman, J., Freund, M., Wye, P., McElwaine, K., Knight, J., ... Wiggers, J. (2013). Evaluating the effectiveness of a clinical practice change intervention in increasing clinician provision of preventive care in a network of community-based men</u>
Change record systems	<u>Bartlem, K., Bowman, J., Freund, M., Wye, P., McElwaine, K., Knight, J., ... Wiggers, J. (2013). Evaluating the effectiveness of a clinical practice change intervention in increasing clinician provision of preventive care in a network of community-based men</u>

School Setting

Strategy	Example
Use evaluative and iterative strategies	
Assess for readiness and identify barriers and facilitators	Coyle, H. E. (2008). School culture benchmarks: Bridges and barriers to successful bullying prevention program implementation. Journal of school violence, 7(2), 105-122.
Audit and provide feedback	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... & Wiggers, J. (2014). A randomised controlled trial of an intervention to increase the implementation of a healthy canteen policy in Australian primary schools: study
Conduct cyclical small tests of change	
Conduct local needs assessment	Neumark-Sztainer, D., Story, M., & Collier, T. (1999). Perceptions of secondary school staff toward the implementation of school-based activities to prevent weight-related disorders: A needs assessment. American Journal of Health Promotion, 13(3), 153-156.
Develop a formal implementation blueprint	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... & Wiggers, J. (2014). A randomised controlled trial of an intervention to increase the implementation of a healthy canteen policy in Australian primary schools: study
Provide interactive assistance	
Facilitation	Eiraldi, R., McCurdy, B., Khanna, M., Mautone, J., Jawad, A. F., Power, T., ... & Sugai, G. (2014). A cluster randomized trial to evaluate external support for the implementation of positive behavioral interventions and supports by school personnel. Imple
Provide local technical assistance	Eiraldi, R., McCurdy, B., Khanna, M., Mautone, J., Jawad, A. F., Power, T., ... & Sugai, G. (2014). A cluster randomized trial to evaluate external support for the implementation of positive behavioral interventions and supports by school personnel. Imple
Develop stakeholder relationships	
Capture and share local knowledge	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... Wiggers, J. (2014). A randomised controlled trial of an intervention to increase the implementation of a healthy canteen policy in Australian primary schools: study prot
Conduct local consensus discussions	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... Wiggers, J. (2014). A randomised controlled trial of an intervention to increase the implementation of a healthy canteen policy in Australian primary schools: study prot
Involve executive boards	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... Wiggers, J. (2014). A randomised controlled trial of an intervention to increase the implementation of a healthy canteen policy in Australian primary schools: study prot
Recruit, designate, and train for leadership	Eiraldi, R., McCurdy, B., Khanna, M., Mautone, J., Jawad, A. F., Power, T., ... & Sugai, G. (2014). A cluster randomized trial to evaluate external support for the implementation of positive behavioral interventions and supports by school personnel. Imple
Use an implementation advisor	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... Wiggers, J. (2014). A randomised controlled trial of an intervention to increase

	the implementation of a healthy canteen policy in Australian primary schools: study prot
Train and educate stakeholders	
Conduct educational outreach visits	Eiraldi, R., McCurdy, B., Khanna, M., Mautone, J., Jawad, A. F., Power, T., ... & Sugai, G. (2014). A cluster randomized trial to evaluate external support for the implementation of positive behavioral interventions and supports by school personnel. Imple
Conduct ongoing training	Eiraldi, R., McCurdy, B., Khanna, M., Mautone, J., Jawad, A. F., Power, T., ... & Sugai, G. (2014). A cluster randomized trial to evaluate external support for the implementation of positive behavioral interventions and supports by school personnel. Imple
Create a learning collaborative	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... Wiggers, J. (2014). A randomised controlled trial of an intervention to increase the implementation of a healthy canteen policy in Australian primary schools: study prot
Develop educational materials	
Distribute educational materials	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... Wiggers, J. (2014). A randomised controlled trial of an intervention to increase the implementation of a healthy canteen policy in Australian primary schools: study prot
Make training dynamic	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... Wiggers, J. (2014). A randomised controlled trial of an intervention to increase the implementation of a healthy canteen policy in Australian primary schools: study prot
Provide ongoing consultation	Eiraldi, R., McCurdy, B., Khanna, M., Mautone, J., Jawad, A. F., Power, T., ... & Sugai, G. (2014). A cluster randomized trial to evaluate external support for the implementation of positive behavioral interventions and supports by school personnel. Imple
Shadow other experts	
Use train-the-trainer strategies	Eiraldi, R., McCurdy, B., Khanna, M., Mautone, J., Jawad, A. F., Power, T., ... & Sugai, G. (2014). A cluster randomized trial to evaluate external support for the implementation of positive behavioral interventions and supports by school personnel. Imple
Change infrastructure	
Change physical structure and equipment	Wolfenden, L., Nathan, N., Williams, C. M., Delaney, T., Reilly, K. L., Freund, M., ... Wiggers, J. (2014). A randomised controlled trial of an intervention to increase the implementation of a healthy canteen policy in Australian primary schools: study prot

Other Settings

Strategy	Example
Use evaluative and iterative strategies	
Stage implementation scale up	<u>Hamilton, A. B., Mittman, B. S., Williams, J. K., Liu, H. H., Eccles, A. M., Hutchinson, C. S., & Wyatt, G. E. (2014). Community-based implementation and effectiveness in a randomized trial of a risk reduction intervention for HIV-serodiscordant couples:</u>
Provide interactive assistance	
Tailor strategies	<u>Watson, D. P., Young, J., Ahonen, E., Xu, H., Henderson, M., Shuman, V., & Tolliver, R. (2014). Development and testing of an implementation strategy for a complex housing intervention: protocol for a mixed methods study.Implementation Science : IS, 9, 13</u>
Develop stakeholder relationships	
Identify and prepare champions	<u>Molfenter, T., Kimn, J. S., Quanbeck, A., Patel-Porter, T., Starr, S., & McCarty, D. (2013). Testing use of payers to facilitate evidence-based practice adoption: protocol for a cluster-randomized trial. Implement Sci, 10, 50.</u>
Engage consumers	
Increase demand	<u>Rost, K. M., & Marshall, D. (2010). Marketing depression care management to employers: design of a randomized controlled trial. Implementation Science,5(1), 22.</u>
Intervene with patients/consumers to enhance uptake and adherence	<u>van der Weijden, T., Légaré, F., Boivin, A., Burgers, J. S., van Veenendaal, H., Stiggelbout, A. M., ... & Elwyn, G. (2010). How to integrate individual patient values and preferences in clinical practice guidelines? A research protocol. Implement Sci, 5(</u>