

What is implementation science? Why is it important?

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Effective methods do not automatically spread
unfortunately.....



The gap between research and practice

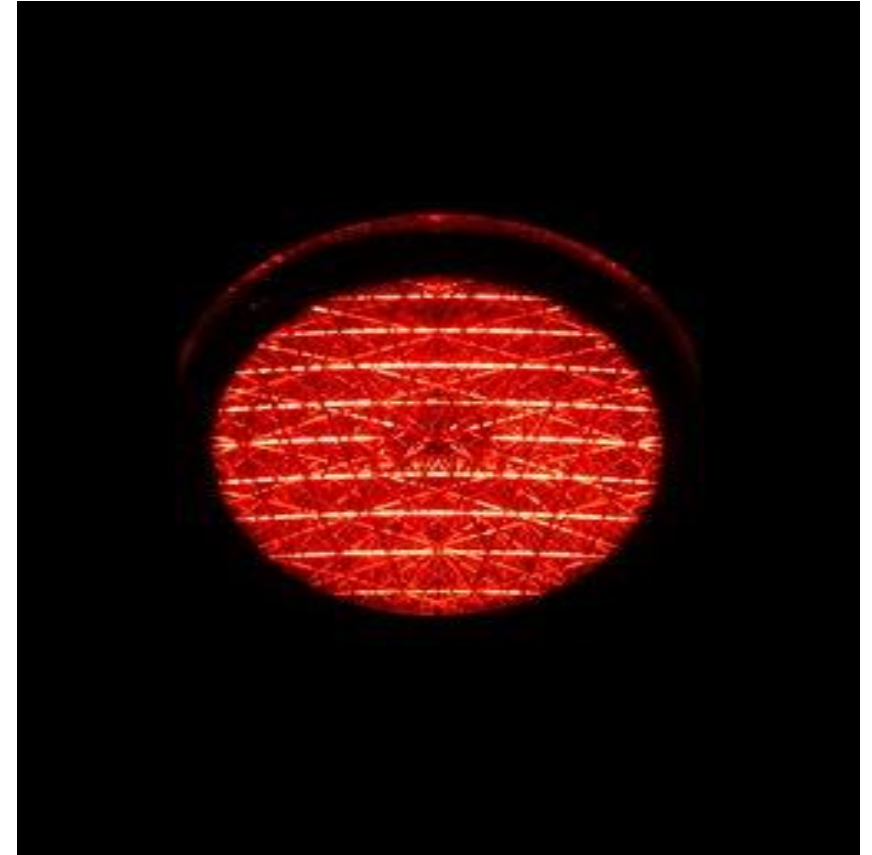
- Few new interventions survive without active implementation support
- After 5 years.....
 - ➔ With implementation support: 85%
 - ➔ Without implementation support: 17%

See e.g., Fixsen, D. L., Blase, K. A., Timbers, G. D., & Wolf, M. M. (2001). In search of program implementation: 792 replications of the Teaching Family Model. In G. A. Bernfeld, D. P. Farrington, & A. W. Leschied (Eds.), *Offender rehabilitation in practice: Implementing and evaluating effective programs* (pp. 149–166). John Wiley & Sons Ltd.



Dangers of not supporting implementation

- Waste of money
- Waste of practitioner time – wear out practitioners
- Support does not benefit patients



Implementation science is...

"... the scientific study of methods to promote the systematic uptake of research findings and other evidence-based practices into routine practice, and, hence, to improve the quality and effectiveness of health services"

Eccles, M.P., Mittman, B.S. Welcome to *Implementation Science* . *Implementation Sci* **1**, 1 (2006).
<https://doi.org/10.1186/1748-5908-1-1>

Tools needed for successful implementation



What aspects are good to pay attention to for successful implementation

Factors on different levels influence implementation

- Characteristics of the new intervention/work procedure
 - Complexity
 - Possibility to adapt
- Capacity in the delivering organisation
 - Leadership favours the procedure
 - Sufficient resources (time, staff)
- Community level factors
 - Supportive policy
 - Political decisions
 - Identified need in the target group
- Provider characteristics
 - Deliverers' valuing the importance of the new procedure
 - Deliverers' belief in their own ability to conduct the procedure
- Support system
 - Sufficient training and technical support



See e.g., Damschroder, L.J., Reardon, C.M., Widerquist, M.A.O. *et al.* The updated Consolidated Framework for Implementation Research based on user feedback. *Implementation Sci* **17**, 75 (2022). <https://doi.org/10.1186/s13012-022-01245-0>

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- See e.g., Fixsen, D. L., Blase, K. A., Timbers, G. D., & Wolf, M. M. (2001). In search of program implementation: 792 replications of the Teaching Family Model. In G. A. Bernfeld, D. P. Farrington, & A. W. Leschied (Eds.), *Offender rehabilitation in practice: Implementing and evaluating effective programs* (pp. 149–166). John Wiley & Sons Ltd.
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