

Applying Implementation Science for Real World Impact: Operationalized Core Practice Components, Feasibility Testing, and Next Steps

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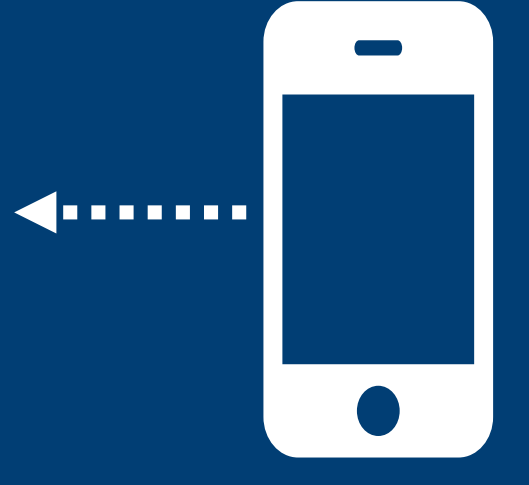
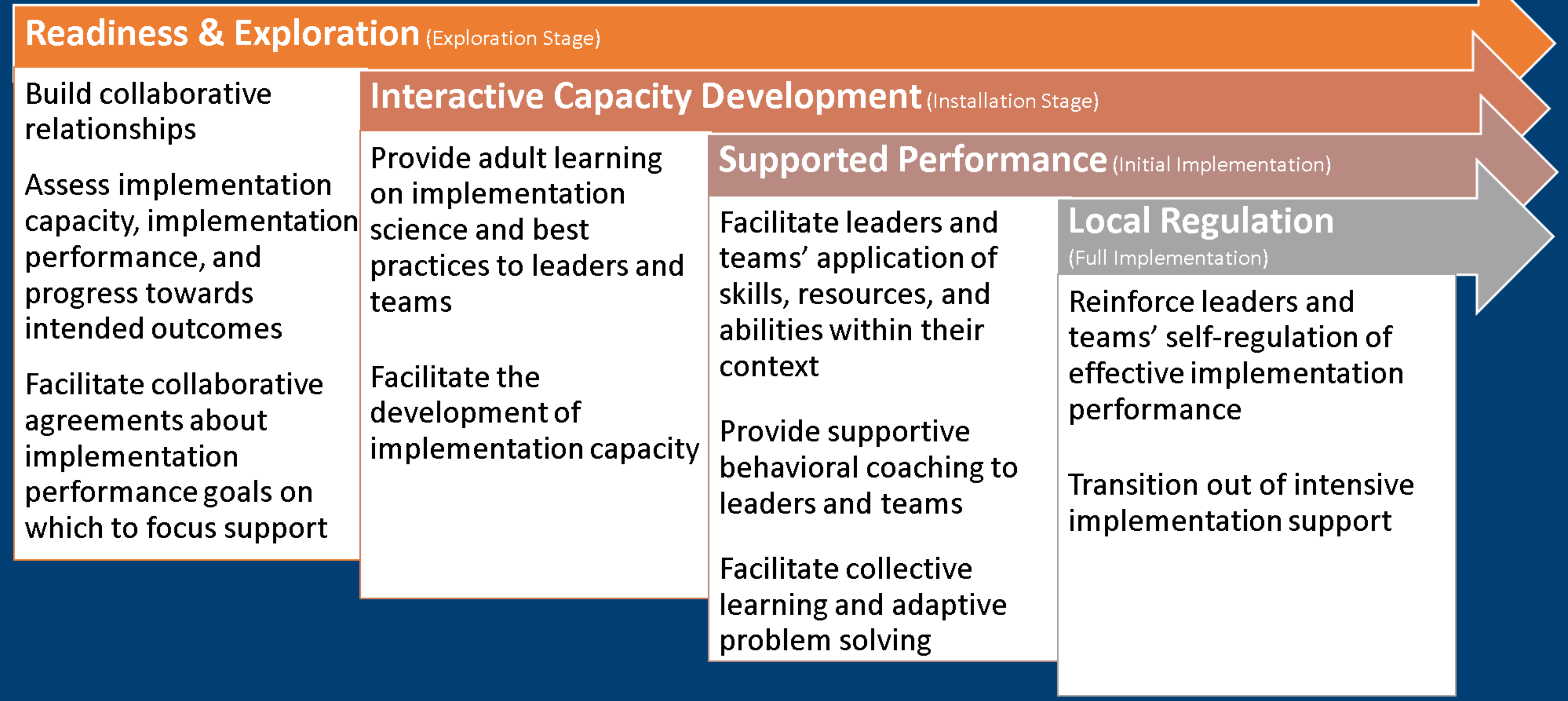
Early data suggests our model of implementation support can move the dial for communities scaling an evidence-based program.

- ### BACKGROUND
- Implementation science is at risk to suffer from the same challenge it was designed to address: a lack of translation into application.
 - What drives the effective application of implementation science within real world environments?

- ### MATERIALS & METHODS
- Drawing from the relevant literature and our experience, we organized 10 theoretically- and empirically-informed core practice components.
 - We conducted initial feasibility testing in two projects involving implementation support for community sites scaling an evidence-based system of parenting interventions.
 - Community sites received monthly surveys to report process outcomes and quarterly surveys to report short-term outcomes.
 - Long-term, site implementation capacity outcomes were assessed every six months.

- ### RESULTS
- Sites reported favorable process and short-term outcomes.
 - Long-term implementation capacity outcomes in the initial cohort of sites have demonstrated improvement over time.
 - Feedback from the Center's Implementation Specialists led to a re-operationalization of components to increase their usability.

- ### NEXT STEPS
- Next steps include a practice profile, stronger training and fidelity assessment materials, and formative evaluation methods to test statistical associations between components and intended short- and long-term outcomes.

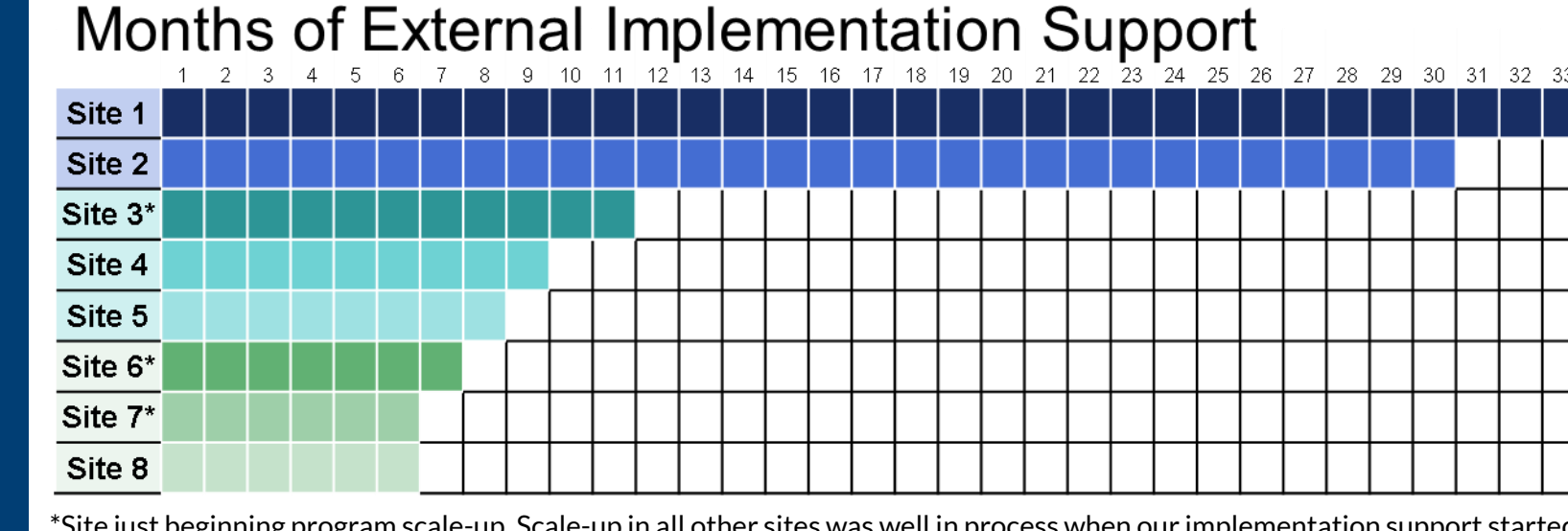


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Feasibility (adapted - Weiner et al., 2017; monthly site report; Dis/Agree 1-5)

TOTAL	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11
Cohort 1 Average	4.44	4.75	5.00	4.69	2.94	4.52	4.56	4.71	4.56	4.31	4.31
Range	(4.38, 4.5)	(4.5, 5.0)	(5.0, 5.0)	(4.63, 4.75)	(1.0, 4.8)	(4.38, 4.67)	(4.38, 4.75)	(4.67, 4.75)	(4.12, 5.0)	(4.25, 4.38)	(4.0, 4.63)
Cohort 2 Average	4.53	4.29	3.96	4.44							
Range	(4.25, 5.0)	(4.25, 4.38)	(3.0, 4.6)	(4.0, 4.8)							
Cohort 3 Average	4.38	4.56									
Range	(4.0, 4.75)	(4.38, 4.75)									

Acceptability (adapted - Weiner et al., 2017; monthly site report; Dis/Agree 1-5)

TOTAL	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11
Cohort 1 Average	4.75	5.00	5.00	4.88	3.00	4.92	4.71	4.83	4.75	4.59	4.56
Range	(4.5, 5.0)	(5.0, 5.0)	(5.0, 5.0)	(4.75, 5.0)	(1.0, 5.0)	(4.63, 5.0)	(4.5, 4.8)	(4.67, 5.0)	(4.5, 5.0)	(4.38, 4.63)	(4.5, 4.63)
Cohort 2 Average	4.56	4.42	4.38	4.63							
Range	(4.33, 5.0)	(4.23, 4.5)	(3.75, 5.0)	(4.25, 5.0)							
Cohort 3 Average	4.34	4.28									
Range	(4.0, 4.6)	(4.25, 4.37)									

Appropriateness (adapted - Weiner et al., 2017; monthly site report; Dis/Agree 1-5)

TOTAL	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11
Cohort 1 Average	4.69	5.00	5.00	4.75	3.00	5.00	4.75	5.00	4.75	4.38	4.63
Range	(4.5, 4.8)	(5.0, 5.0)	(5.0, 5.0)	(4.5, 5.0)	(1.0, 5.0)	(5.0, 5.0)	(4.5, 5.0)	(5.0, 5.0)	(4.5, 5.0)	(4.0, 4.75)	(4.5, 4.75)
Cohort 2 Average	4.67	4.17	5.00	4.50							
Range	(4.33, 5.0)	(4.0, 4.33)	(5.0, 5.0)	(4.0, 5.0)							
Cohort 3 Average	4.38	4.25									
Range	(4.0, 4.75)	(4.0, 4.5)									

Likelihood of Use (single item; monthly site report; Dis/Agree 1-5)

TOTAL	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11
Cohort 1 Average	4.75	5.00	5.00	5.00	3.00	5.00	4.58	5.00	4.50	4.63	4.50
Range	(4.5, 5.0)	(5.0, 5.0)	(5.0, 5.0)	(5.0, 5.0)	(1.0, 5.0)	(5.0, 5.0)	(4.5, 4.67)	(5.0, 5.0)	(4.0, 5.0)	(4.5, 4.75)	(4.0, 5.0)
Cohort 2 Average	4.44	4.50	5.00	5.00							
Range	(4.0, 5.0)	(4.33, 4.67)	(5.0, 5.0)	(5.0, 5.0)							
Cohort 3 Average	4.38	4.13									
Range	(4.0, 4.75)	(4.0, 4.25)									

Working Alliance (adapted - Mallinckrodt & Tekie, 2015; quarterly site report; Dis/Agree 1-5)

BONDS	T1	T2	T3	T4	T5	T6	T7	T8
Cohort 1 Average	4.96	4.94	4.98	4.90	4.96	4.95	4.64	4.61
Range	(4.82, 5.0)	(4.88, 5.0)	(4.96, 5.0)	(4.79, 5.0)	(4.92, 5.0)	(4.94, 4.96)	(4.58, 4.89)	(4.53, 4.69)
Cohort 2 Average	4.82	4.49						
Range	(4.72, 5.0)	(4.0, 4.83)						
Cohort 3 Average	4.72	4.79						
Range	(4.67, 4.75)	(4.75, 4.83)						

Use (single item; quarterly site report; 1= None, 2 = 1-2; 3 = monthly, 4 = weekly, 5 = daily)

TOTAL	T1	T2	T3	T4	T5	T6	T7	T8
Cohort 1 Average	3.83	3.25	4.17	4.25	4.08	4.25	4.33	4.13
Range	(3.67, 4.0)	(3.0, 3.5)	(3.33, 5.0)	(4.0, 4.5)	(3.67, 4.5)	(4.0, 4.5)	(3.67, 5.0)	(3.75, 4.5)
Cohort 2 Average	2.57	2.47						
Range	(1.0, 4.0)	(1.0, 3.7)						
Cohort 3 Average	3.28	4.00						
Range	(1.5, 4.67)	(4.0, 4.0)						

