

Table 1 Data collection and evaluation plan

Objective	Details	Data collection method	Measure of success
Feasibility	Recruitment rate	Report from Teagasc recruiters	Minimum two participant from each of the four farm types: Dairy, Beef, Sheep and tillage.
	Refusal rates and reason for refusal of participation	Report from Teagasc recruiters	
	Retention and follow-up rates	Audio recording Intervention checklist	
	Time required to recruit target sample size	Report from Teagasc recruiters Baseline data collection	80% of participants complete 3 phases: baseline data collection, participate in the demo session, complete the safety training procedure and exit survey.
	Adherence rates to study procedures, intervention engagement etc.	Field notes Memos	Complete follow up interviews and intervention checklists with 12 participants
	Rate of completion of the intervention	SMS Survey	
	Representation of farm population	Report from Teagasc recruiters	
	Barriers & facilitators to set up the in-person event	Report from the recruiter Audio recording Field notes	
	Is the structure of the programme (length of the event, structure and content of the intervention) realistic, clear and reasonable for the participants?	Audio recording Intervention checklist Safety training procedure Exit poll Follow up evaluation	
	The ability of the participants to carry out the target behaviours	Safety training procedure	

	(safety behaviours) addressed in the study	Exit poll Follow up evaluation interview	
Fidelity- Intervention Design	1 Provide information about treatment dose in the intervention condition	Intervention checklist	Detailed report on the development of the intervention, content of the intervention and BCTs included in it using TiDier checklist. Register the study on ISRCTN registry. >80% adherence to the intervention checklist
	a. Length of session		
	b. Number of sessions		
	c. Content of each session		
	d. Duration of contact over time		
	4 Theoretical model upon which the intervention is based is clearly articulated.	Report on development of intervention	
	a. The active ingredients are specified and incorporated into the intervention	Report on development of intervention	
	b. Use of experts or protocol review group to determine whether the intervention protocol reflects the underlying theoretical model or clinical guidelines	N/A	
	c. Plan to ensure that the measures reflect the hypothesized theoretical constructs/mechanisms of action	Report on development of intervention	

	5 Potential confounders that limit the ability to make conclusions at the end of the trial are identified?	Follow up evaluation interview	
	6 Plan to address possible setbacks in implementation (i.e., back-up systems or providers)	Risk assessment document	
Fidelity-Treatment providers*	1 Description of how providers will be trained (manual of training procedures))	Intervention manual	Publication of intervention manual
Fidelity-Treatment delivery	1 Method to ensure that the content of the intervention is delivered as specified.	Audio recording Intervention checklist	>80% adherence to the intervention checklist
	2 Method to ensure that the dose of the intervention is delivered as specified.	Audio recording Intervention checklist	
	3 Mechanism to assess if the facilitator actually adhered to the intervention plan.	Audio recording Intervention checklist Field notes	
	4 Assessment of non-specific treatment effects.	Follow up evaluation	
	5 Use of Intervention manual	Project information sheet	
	6 There is a plan for the assessment of whether or not the active ingredients were delivered.	Audio recording Intervention checklist Field notes	

	7 There is a plan for the assessment of whether or not proscribed components were delivered. (e.g., components that are unnecessary or unhelpful)	Audio recording Intervention checklist Field notes	
	8 There is a plan for how will contamination between conditions be prevented.	N/A	
	9 There is an a priori specification of treatment fidelity (e.g, providers adhere to delivering >80% of components).	delivering at least 80% of components	
Fidelity- Receipt of Treatment	1 There is an assessment of the degree to which participants understood the intervention.	Safety training procedure Exit poll Follow up evaluation interview	60% of the participants complete the target behaviour at home.
	2 There are specification of strategies that will be used to improve participant comprehension of the intervention.	Safety training procedure Exit poll Follow up evaluation interview	
	3 The participants' ability to perform the intervention skills will be assessed during the intervention period.	Safety training procedure Exit poll Follow up evaluation interview	
	4 A strategy will be used to improve subject performance of	Peer to peer demo Safety training procedure	

	intervention skills during the intervention period.		
	5 Multicultural factors considered in the development and delivery of the intervention (e.g., provided in native language; protocol is consistent with the values of the target group).	N/A	
Fidelity- Enactment of Treatment Skills	1 Participant performance of the intervention skills will be assessed in settings in which the intervention might be applied.	Post intervention home based tasks (target behaviours)	
	2 A strategy will be used to assess performance of the intervention skills in settings in which the intervention might be applied.	Follow up evaluation interview	
Retrospective acceptability	1.Affective attitude (How did the participant feel about the programme) 2.Burden (What did the participants say about the structure and ease to understand) 3.Ethicality (To what extent the strategy helped in performing the farm tasks)	Safety training procedure Exit survey Follow up evaluation interview	>80% of response to the questions on exit survey rated as “Agree” or “Strongly agree” >80% of response to the questions about confidence on safety training procedure

	4.Intervention coherence (How did participant feel in terms of understanding the tasks and performing it by himself) 5.Opportunity costs (What were the benefits the participants perceived) 6.Perceived effectiveness (To what extent did the participant felt that strategy was effective) 7.Self-efficacy (How confident and comfortable was the participant at performing the task		document rated above 7. Evidence for perceived benefits and effectiveness in the follow up interview.
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* Treatment is delivered by the research team. Hence no training sessions required.