Contexts		N*	References
Setting.	Mixed.	14	64; 65; 70; 79; 80; 81; 82; 85; 98; 99; 101; 103;
			105; 107;
	Acute care.	11	18; 67; 68; 69; 70; 71; 72; 88; 93; 94; 95;
	Palliative care.	7	77; 86; 89; 90; 91; 100; 106;
	Primary care.	4	76; 78; 87; 102;
	Mental health.	4	74; 83; 84; 97;
	Elderly care.	3	66; 92; 104;
	High-risk	1	96;
	populations.		
	Care home.	1	73;
	Oncology.	1	75;
Healthcare	Nurse.	24	18; 65; 67; 68; 69; 70; 71; 72; 73; 74; 75; 81; 82;
provider.			84; 88; 89; 90; 91; 93; 94; 95; 98; 101; 103;
-	Clinician.	6	76; 78; 87; 97; 100; 102;
	Multidisciplinary.	15	64; 66; 77; 79; 80; 83; 85; 86; 92; 96; 99; 104;
			105; 106; 107;
Healthcare	Need for an	20	18; 67; 68; 69; 70; 71; 72; 73; 74; 75; 88; 92; 94;
system	integrated		95; 98; 101; 104; 105; 106; 107;
contexts.	approach to care.		
Healthcare	Need to nurture	16	64; 66; 74; 75; 89; 90; 91; 96;97; 99; 100; 101;
provider	innate compassion.		102; 103; 104; 105;
contexts.	Need for stress-	15	65; 66; 76; 77; 78; 79; 80; 81; 82; 83; 84; 85; 86;
	reduction.		87; 104;
	Need to improve	7	74; 90; 91; 92; 93; 97; 99;
	clinical		
	competence.		
Mechanisms		N*	References
Resource		1	
Work-based	Development of	12	18; 67; 68; 69; 70; 71; 72; 73; 92; 94; 95; 106;
educational	leadership and		
models.	team practices.		
Participatory	Professional	17	<i>Evidence-based curricula:</i> 74; 90; 91; 93; 96;
interventions	development.		107;
supporting			<i>Clinical instruction and community service:</i> 98;
individual			<i>Role playing and simulation:</i> 75; 89; 97;
healthcare			Vignettes: 99;
providers.			<i>Reflective practices:</i> 100; 101; 102; 103;
		4=	Complementary therapies: 64; 88;
	Coping and	17	<i>Rounds:</i> 104; 105;
	resilience skills.		Complementary therapies: 65; 79; 88;

Additional file 5: Summary of Contexts, Mechanisms, and Outcomes

		1	
			<i>Contemplative therapies:</i> 66; 76; 77; 78; 80; 81;
Dena '			82; 83; 84; 86; 87; 85;
Reasoning	TT: 11 1101 1		
Teaching mechanisms.	Highly qualified program leaders and facilitators.	28	<i>Facilitator:</i> 18; 65; 67; 68; 69; 71; 72; 73; 76; 77; 78; 79; 82; 83; 84; 85; 87; 91; 92; 93; 94; 95; 97; 101; 105; 106; 107;
			Barrier: 104;
	Team learning activities.	15	<i>Facilitator:</i> 18; 67; 68; 69; 70; 71; 72; 73; 85; 88; 92; 94; 95;
			<i>Barrier:</i> 72; 92;
	Continuous learning.	36	<i>Facilitator:</i> 18; 64; 65; 67; 68; 69; 70; 71; 72; 73; 77; 78; 79; 80; 81; 82; 85; 87; 88; 94; 95; 106; <i>Barrier:</i> 18; 64; 66; 67; 68, 74; 82; 84; 92; 94;
			96;104; 106;
	Staff	17	<i>Facilitator:</i> 18; 67; 68; 69; 70; 71; 72; 73; 76;
	empowerment.	17	77; 85; 94; 95; 106;
			<i>Barrier:</i> 67; 68, 94;
	Education in	22	<i>Facilitator:</i> 18; 67; 68; 69; 70; 71; 72; 73;74;
	context.		77; 78; 82; 87; 89; 93; 94; 95; 98; 104; 106;
			<i>Barrier:</i> 18; 104;
	Contemplative practices.	13	<i>Facilitator:</i> 66; 76; 77; 78; 80; 81; 82; 83; 84; 85; 86; 87;
			Barrier: 84;
	Discussion.	25	<i>Facilitator:</i> 18; 67; 68; 69; 70; 71; 72; 73; 74; 75; 82; 83; 87; 89; 92; 94; 95; 96; 97; 98; 103; 104; 105; 106; <i>Barrier:</i> 92;
	Case-based	2	Facilitator: 91; 93;
	scenarios.	-	
	Simulation and	9	<i>Facilitator:</i> 75; 89; 92; 93; 97; 99;
	role play.	_	Barrier: 75; 89; 92;
	Patient storytelling.	1	Facilitator: 101;
	Didactic lectures.	4	<i>Facilitator:</i> 85; 90; 93; 96;
	Video/audio taping.	3	<i>Facilitator:</i> 89; 92; 97;

	Multimodal	8	<i>Facilitator:</i> 64; 84; 85; 90; 93; 96; 98; 107;
	approach.		
Learning	Group	16	<i>Facilitator:</i> 18; 69; 70; 71; 72; 73; 76; 78; 79;
mechanisms.	participation.		82; 87; 88; 92; 97; 103; 105;
	Feedback.	11	<i>Facilitator:</i> 18; 67; 68; 69; 70; 72; 73; 82; 92; 94; 95;
	Recognition and	3	<i>Facilitator</i> : 70; 72; 73;
	sharing of positive		
	practices.		
	Reflection.	24	<i>Facilitator:</i> 18; 66; 67; 68; 69; 70; 71; 72; 73;
			75; 86; 89; 92; 94; 95; 98; 101; 102; 103; 104; 105;
	D' '	25	Barrier: 76; 97; 104;
	Discussion.	25	<i>Facilitator:</i> 18; 67; 68; 69; 70; 71; 72; 73; 74; 75; 82; 83; 87; 80; 02; 04; 05; 06; 07; 101;103;
			75; 82; 83; 87; 89; 92; 94; 95; 96; 97; 101;103; 104; 105; 106;
			107, 100, 100,
			Barrier: 92;
	Mentoring.	2	Facilitator: 88; 106;
	Experiential/hands-	8	<i>Facilitator:</i> 64; 69; 70; 71; 75; 92; 97; 98;
	on learning.		
			<i>Barrier:</i> 64; 75;
	Critical thinking	7	<i>Facilitator:</i> 69; 70; 71; 75; 90; 93; 96;
	and problem		
	solving.		Barrier: 75;
	Linking theory to	4	<i>Facilitator:</i> 69; 70; 71;
	practice.		Damian 84
Organizational	Integration of	17	<i>Barrier:</i> 84; <i>Facilitator:</i> 18; 69; 72; 73; 84; 85; 98;
Organizational	Integration of activities with the	1/	<i>Fuculation</i> . 10, 07, 72, 73, 04, 03, 90,
mechanisms.	priorities of the		<i>Barrier:</i> 64; 67; 68; 70; 79; 84; 94; 95; 104; 106;
	wider organization.		
	Time efficient.	10	<i>Facilitator:</i> 76; 77; 78; 83; 86; 87; 96; 104;
			, , , , , , , , , , , , , , , , , , , ,
			Barrier: 81; 106;
	Flexibility in	6	Facilitator: 79; 80; 84; 92; 107;
	programing.		
			Barrier: 64;
	Cost effective.	8	Facilitator: 76; 79; 85; 86; 107;
			Barrier: 81; 92; 104;

	Course credits and cash/prize	9	Facilitator: 64; 79; 82; 83; 87; 90; 99; 107;
	incentives.		Barrier: 80;
Outcomes**		N*	References
Program	K1 Reactions.	23	64; 66; 67; 68; 69; 70; 71; 74; 77; 79; 82; 84; 85;
outcomes.			87; 90; 92; 94; 95; 97; 101; 102; 104; 106;
Healthcare	K2a Attitudes.	36	18; 65; 66; 67; 68; 69; 70; 71; 73; 75; 76; 77; 78;
provider			79; 81; 82; 83; 84; 85; 86; 87; 88; 89; 90; 92; 94;
outcomes.			95; 96; 97; 99; 100; 101; 102; 104; 105; 107;
	K2b Knowledge	13	69; 70; 71; 74; 84; 87; 88; 89; 90; 93; 98; 103;
	and skills.		106;
	K3 Behaviors.	15	18; 64; 72; 73; 77; 78; 79; 80; 85; 87; 91; 92;
			102; 104; 105;
Healthcare	K4a Changes to	1	85;
system	clinical processes.		
outcomes.	K4b Benefits to	11	64; 67; 68; 74; 78; 84; 85; 88; 94; 95; 106;
	patients.		

*N= number of references

**Outcomes are intended and unintended consequences – K1 Reactions: Reactions and satisfaction with training (How much did they like it? How did participants react to it?); K2a Attitudes: Did attitudes change?; K2b Knowledge and skills: Did they learn anything? Did the authors use any established instruments to measure changes in knowledge; K3 Behaviors: Did the program or curriculum change their behaviors at all? Or future behaviors?; K4a Changes to clinical processes: Did the program or curriculum lead to any improvements to clinical processes; K4b Benefits to patients: Did the program or curriculum lead to any improvements to patients?