

Appendixes

Appendix 1. Causal links support

Which loop do they belong to	From	To	Sign	Support
R1: Gangs and Violence	Size of the gangs	Masculinity "conquer and domination" attitudes	+	(Browne et al., 2021), (De la Vega-Taboada et al., 2023)
R1-2: Drugs and Violence	Violence in the streets	Youth perceive they need protection	+	(Peterson et al., 2004), (Descormiers & Corrado, 2016)
R1-2: Drugs and Violence	Youth perceive they need protection	Size of the gangs	+	(Peterson et al., 2004), (Descormiers & Corrado, 2016)
R1-2: Drugs and Violence	Size of the gangs	Gangs selling drugs to sustain themselves	+	(Seffrin & Domahidi, 2014), (Bagley, 2013), Government official expert
R2: Drugs and Violence	Gangs selling drugs to sustain themselves	Local youth using drugs	+	(Seffrin & Domahidi, 2014), (Bagley, 2013)
R2: Drugs and Violence	Local youth using drugs	Drug users using violence	+	(Seffrin & Domahidi, 2014), (De la Vega-Taboada et al., 2023)
R1-2: Drugs and Violence	Drug users using violence	Masculinity "conquer and domination" attitudes	+	(De la Vega-Taboada et al., 2023), (Browne et al., 2021)
R2: Drugs and Violence	Masculinity "conquer and domination" attitudes	Youth needing to defend themselves	+	(De la Vega-Taboada et al., 2023), (Chaux et al., 2012), (Crimmins et al., 2000), (Descormiers & Corrado, 2016)
R2: Drugs and Violence	Youth needing to defend themselves	Violence in the streets	+	(Ramirez, 2012), (De la Vega-Taboada et al., 2023), (Chaux et al., 2012), (Descormiers & Corrado, 2016)
R3: Profit in Gangs	Gangs selling drugs to sustain themselves	Profitability of Gangs	+	(Bagley, 2013), (Seffrin & Domahidi, 2014), Government official expert
R4: Profit in Gangs	Profitability of Gangs	Youth attracted to gangs	+	(Densely 2014), Government official expert
R5: Familial Stress and Violence	Psychological stress in families	Familial aggression	+	(Ramirez, 2012), (Planos et al., 1997), (Mitchell et al., 2011), (De la Vega-Taboada et al., 2023), (Chaux et al., 2012)
R5: Familial Stress and Violence	Familial aggression	Desire to leave the family	+	(Crimmins et al., 2000), (De la Vega-Taboada et al., 2023), (Browne et al., 2021)
R5: Familial Stress and Violence	Desire to leave the family	Youth attracted to gangs	+	(Planos et al., 1997), Government official expert
R6: Legitimation and Violence	Legitimation of violence to solve conflicts	Violence in the streets	+	(De la Vega-Taboada et al., 2023), (Chaux et al., 2012)
R7: Direct Motivation	Motivation of coaches to support fútbol programs	Resources for fútbol schools	+	(De la Vega-Taboada, under review), Community coach experts
R7: Direct Motivation	Resources for fútbol schools	Coaches training fútbol skills	+	(De la Vega-Taboada, under review), Community coach experts
R7: Direct Motivation	Coaches training fútbol skills	Teams' capacity to compete	+	(De la Vega-Taboada, under review), Community coach experts,
R7: Direct Motivation	Teams' capacity to compete	Youth participating in fútbol schools	+	(De la Vega-Taboada, under review), Community coach experts,
R8: Safety and Participation	Youth are protected in the field	Youth participating in fútbol schools	+	(De la Vega-Taboada, under review), Community coach experts,

R8: Safety and Participation	Youth participating in fútbol schools	Youth are protected in the field	+	(De la Vega-Taboada, under review), Community coach experts
B1: Fútbol and nonviolent messages	Legitimation of violence to solve conflicts	Motivation of coaches to support fútbol schools	+	(De la Vega-Taboada, under review), Community coach experts
B1: Fútbol and nonviolent messages	Motivation of coaches to support fútbol schools	Youth participating in fútbol schools for peace	+	(De la Vega-Taboada, under review), NGO expert, Community coach experts
B1: Fútbol and nonviolent messages	Youth participating in fútbol schools for peace	Coaches discouraging violence to solve conflict	+	(De la Vega-Taboada, under review), NGO expert, Community coach experts, (Svensson & Woods, 2017).
B1: Fútbol and nonviolent messages	Coaches discouraging violence to solve conflict	Legitimation of violence to solve conflicts	- (Delay)	(De la Vega-Taboada, under review), Community coach experts, NGO expert, (Svensson & Woods, 2017).
B2: Fútbol and Safe Spaces	Youth participating in fútbol schools for good	Youth are protected in the field	+	(De la Vega-Taboada, under review), Community coach experts, NGO expert, (Svensson & Woods, 2017), (Deuchar & Weide 2019; Ekholm, 2013)
B2: Fútbol and Safety	Youth are protected in the field	Violence in the streets	-	(De la Vega-Taboada, under review), Community coach experts, NGO expert, (Svensson & Woods, 2017), (Deuchar & Weide 2019; Ekholm, 2013)
B3: Parenting and Fútbol	Resources for fútbol schools	Parental skill trainings	+	(De la Vega-Taboada, under review), NGO expert,
B3: Parenting and Fútbol	Parental skills trainings	Familial aggression	- (Delay)	(De la Vega-Taboada, under review), Community coach experts, (Svensson & Woods, 2017).
B4: Fútbol vs Gangs	Youth participating in fútbol schools	Youth attracted to gangs		(De la Vega-Taboada, under review), NGO expert, Community coach experts.
Links outside of feedback loops	External resources	Resources for fútbol schools	+	(Seffrin & Domahidi, 2014), (De la Vega-Taboada et al., 2023, Under review), NGOs experts.