

## Additional File 1: Table 1

### *Description of COSAP Programs and Associated Documents Retained for Review*

Program Name	Citations	Population and Setting	Evaluation design	Contextual factors	Mechanisms	Selected outcomes reported	Candidate theory alignment
Betty Ford Children's Program	[34, 36]	Predominantly White  Child age range 7 – 13 yrs  Mixture of parents in recovery/in treatment/non-addicted partners  Betty Ford centre in California  Urban	Pre-post-follow-up design. No comparison group  Qualitative	Peer grouping  Knowledge provision	Trust/safety  Relinquishing responsibility	Reduced child loneliness  Improved child social skills (younger children and girls only)	Family disease
Celebrating Families!/ Celebrando Familias!	[39, 53, 54, 55, 56]	1) Predominantly non-White  Mixture of parents in early recovery and other caregivers. Predominantly female  Child age range 3 – 18 yrs  Community agencies and treatment centres in San Jose  Urban  2) Spanish-speaking	Retrospective pre-post design. No comparison group	Knowledge provision	Recognition and responsibility	Improved family cohesion  Improved parenting skills	Hybrid

		Hispanic					
		Mixture of parents in early recovery and other caregivers					
		Child age range 8 – 17 yrs					
		Community agencies in California and Oklahoma					
		Urban					
Family Competence Program (FCP)	[57, 58]	Spanish (Balearic Islands, Spain)	Pre-post design with comparison group (not randomized)	Opportunities for parent-child bonding	Hopeful enjoyment	Improved family cohesion	Family prevention
		Child age range 6 – 14				Improved parenting skills	
		Mixture of parents concurrently in drug treatment program and non-addicted partners				Improved child behaviours and social skills	
		Urban					
Focus on Families (FOF)	[31,32, 33, 59, 60]	Parents predominantly White (At 12-15 yr follow-up, children predominantly identified as non-White)	Pre-post design with control group (random assignment)	SES sensitivity	Hopeful enjoyment (Lack of)	Improved parenting skills	Family prevention
		Parent concurrently receiving methadone treatment in Seattle	Long term follow-up (12-15 yrs post intervention)			Reduced parental substance use	
		Child age range 3 – 14 yrs				Reduced incidence in child SUD (males only)	
		Urban					
Moving	[29, 38, 52,	Predominantly White	Qualitative	Opportunities for	Hopeful	Improved Family	Hybrid

Parents and Children Together (MPACT)	61, 62, 63, 64]	Mixture of parents in treatment/in recovery/still using/non-addicted partners from 13 sites across UK  Child age range 8 – 17 yrs  Urban/Rural		parent-child bonding  Peer grouping  Knowledge provision	enjoyment  Trust/safety  Validation  Relinquishing responsibility  Recognition and responsibility	cohesion  Improved parenting skills  Improved child behaviours and emotions	
Safe Haven	[30, 42, 43, 65]	African American  Child age range 6 – 12 yrs  Mixture of parents concurrently in drug treatment program in Detroit and non-addicted partners  Urban	Pre-post design. No comparison group	SES sensitivity  Matching services to lived experience  Opportunities for parent-child bonding	Trust  Hopeful enjoyment	Improved family cohesion  Improved child behaviours (high drug using families only)  Reduced parental substance use	Family prevention
Strengthening Families Program (SFP) <sup>a</sup>	[11, 27, 35, 37, 41, 44, 66]	1) Parents concurrently in outpatient drug treatment (methadone or other outpatient) in Salt Lake City, Utah  Child age ranges 6 – 12 yrs  Urban  2) African American  Mixture of mothers in drug treatment in rural Alabama	Pre-post design with control group (random assignment)  Pre-post-follow up design with comparison group (not randomized)  Quasi-experimental retrospective pre-post design with post-hoc	SES sensitivity  Opportunities for parent-child bonding  Peer grouping	Trust/safety  Hopeful enjoyment  Validation	Improved family cohesion  Improved child behaviours and emotions  Improved parenting skills	Family prevention

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and not in treatment      comparison groups

Rural

3) Predominantly non-  
White (Asian, Pacific  
Islander, American Indian,  
Hispanic)

Mixture of parents in  
treatment/recovery/non-  
addicted partners

Child age range 6 –13 yrs

4) Multi-ethnic

Mixture of parents  
currently in treatment, not  
in treatment, in recovery in  
New Jersey

Child age ranges: 3-16 yrs

Urban

5) Predominantly White

Mixture of alcoholic  
parents and non-alcohol  
spouses in Ontario, Canada

Child age ranges: 9 – 12  
yrs

Urban

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<sup>a</sup> SFP was originally designed for COSAPs; however subsequent program implementations have been revised to include at-risk youth whose parents are not substance users. Only documents/evaluations specific to COSAPs were retained for this review.  
SUD = substance use disorder. SES = socio-economic status