

Appendix 1: Results of the Multinomial logistic model (MNL)

Attributes		β (SE)
Main effects	Constant	0.9015*** (0.1193)
	Effectiveness of the treatment	0.0219*** (0.0020)
	Cost per tax payer per year	-0.1309*** (0.0019)
	Treatment of Co-occurring health conditions/addictions (Base level = Minimal treatment provided within program)	
	Full treatment of all co-occurring health conditions/addictions both within program and at referral facilities	0.2704*** (0.0558)
	Compulsory/Voluntary Participation (Base level = Compulsory)	
	Voluntary	-0.4021* (0.0484)
	Flexibility of appointments (Base level = Not flexible)	
	Flexible	0.1329*** (0.0360)
	Location and Continuity of treatment (Base level = Both prison and community with continuity of care in between transitions)	
	Prison only (with no continuity of care post prison)	-0.3112*** (0.0569)
	Community only (with no continuity of care when imprisoned)	-0.276*** (0.0414)
	Prison with continuity of care post prison	0.0887*** (0.0189)
	Type of treatment (Base level = Individual and Family counselling with medication)	
	Offender group counselling sessions only	0.0064 (0.0346)
	Offender group counselling sessions with medication	0.0111 (0.0489)
	Individual counselling with medication	-0.0838* (0.0507)
	Treatment providers (Base level = Counsellors/Psychologists with health professionals)	
	Health professional	-0.145*** (0.0559)
	Prison/Probation & parole officers with health professional	0.0689** (0.0315)
Prison/Probation & Parole officer with Counsellors/Psychologists with Health Professional	0.0227 (0.0315)	
Goodness of fit	Log-likelihood function	-3962.92
	Degrees of freedom	15
	AIC	7955.8
	Number of observations	6126

*** = 99% confidence level, **=95% confidence level, *=90% confidence level

Appendix2: Results of the latent class models

Attributes		LATENT CLASS FIXED PARAMETERS		LATENT CLASS RANDOM PARAMETERS		
		CLASS 1	CLASS 2	CLASS 1	CLASS 2	
Main effects	Constant	0.7817*** (0.2079)	1.2484*** (0.2844)	0.7913*** (0.2184)	1.2247*** (0.2788)	
	Effectiveness of the treatment	0.0432*** (0.0038)	-0.01167 (0.0053)	0.0436*** (0.0039)	-0.0102 (0.0054)	
	Cost per tax payer per year	-0.0083 (0.0032)	0.0238*** (0.0048)	-0.0083 (0.0039)	0.0232*** (0.0047)	
	Treatment of Co-occurring health conditions/addictions (Base level = Minimal treatment provided within program)					
	Full treatment of all co-occurring health conditions/addictions both within program and at referral facilities	0.2575*** (0.0998)	0.2685** (0.1154)	0.2385*** (0.1053)	0.2736** (0.1118)	
	Compulsory/Voluntary Participation (Base level = Compulsory)					
	Voluntary	-0.5294*** (0.1026)	0.3458*** (0.1252)	-0.4862*** (0.1082)	0.3972*** (0.1211)	
	Flexibility of appointments (Base level = Not flexible)					
	Flexible	0.0796 (0.0606)	0.3329*** (0.1089)	0.0867 (0.0618)	0.2870*** (0.1041)	
	Location and Continuity of treatment (Base level = Both prison and community with continuity of care in between transitions)					
	Prison only (with no continuity of care post prison)	-0.2460*** (0.0919)	0.4155*** (0.1399)	-0.2482*** (0.0953)	0.3892*** (0.1347)	
	Community only (with no continuity of care when imprisoned)	-0.3256*** (0.0706)	0.3271*** (0.1023)	-0.3337*** (0.0739)	0.3157*** (0.0990)	
	Prison with continuity of care post prison	-0.0233 (0.0342)	0.2766*** (0.0589)	-0.0240 (0.0353)	0.2579*** (0.0556)	
	Type of treatment (Base level = Individual and Family counselling with medication)					
	Offender group counselling sessions only	0.0122 (0.0530)	-0.1322* (0.0750)	0.0130 (0.0539)	-0.1184 (0.0734)	
	Offender group counselling sessions with medication	0.0605 (0.0805)	-0.0485 (0.1083)	0.0684 (0.0843)	-0.0420 (0.1056)	
	Individual counselling with medication	0.1147** (0.0543)	0.0726 (0.1149)	0.1957** (0.0940)	0.0659 (0.1126)	
	Treatment providers (Base level = Counsellors/Psychologists with health professionals)					
	Health professional	-0.1807*** (0.0657)	-0.2165** (0.0899)	-0.01721 (0.0675)	0.2092*** (0.0877)	
	Prison/Probation & parole officers with health professional	0.1147** (0.0543)	0.0056 (0.0844)	0.1100** (0.0568)	0.0042 (0.0806)	
	Prison/Probation & Parole officer with Counsellors/Psychologists with Health Professional	-0.0095 (0.0505)	0.1070 (0.0682)	0.0113 (0.0618)	0.0996 (0.0670)	
	Goodness of fit	Log-likelihood function	-3723.66		-3727.92	
		Degrees of freedom	33		33	
AIC		7513.3		7529.8		
Number of observations		6126		6126		
Demographics	Experience with violence	0.4033**		0.4033**		
Class probabilities	Class probabilities	0.6	0.4	0.6	0.4	

*** = 99% confidence level, **=95% confidence level, *=90% confidence level

Appendix 3: Results of the MNL and RPL models for the sub-group analysis

Attributes	MNL MODEL (β (SE))					RANDOM PARAMETERS MODEL (β (SE))				
	Offenders	Victims	Offenders' family members	Victims' family members	No violence experience	Offenders	Victims	Offenders' family members	Victims' family members	No violence experience
Main effects	1.3187 (0.3256)	1.1886*** (0.2802)	1.3702** (0.5507)	1.1036*** (0.2970)	0.7343*** (0.1448)	1.4443 (0.8828)	1.3533*** (0.3048)	1.4134** (0.6331)	1.2206*** (0.3553)	0.9003*** (0.1879)
Constant	0.0235* (0.0139)	0.0275*** (0.0045)	0.3078** (0.0087)	0.0316*** (0.0048)	0.0189*** (0.0024)	0.0269 (0.0157)	0.0307*** (0.0052)	0.0380*** (0.0123)	0.0443*** (0.0077)	0.0620*** (0.0096)
Effectiveness of the treatment	-0.0156 (0.0125)	-0.0170*** (0.0044)	-0.0216** (0.0086)	-0.0170*** (0.0047)	-0.0104*** (0.0023)	-0.01718 (0.0135)	-0.0194*** (0.0047)	-0.0233** (0.0098)	-0.0194*** (0.0055)	-0.0139*** (0.0030)
Cost per tax payer per year										
Treatment of Co-occurring health conditions/addictions (Base level = Minimal treatment provided within program)										
Full treatment of all co-occurring health conditions/addictions both within program and at referral facilities	-0.0801 (0.3821)	0.3206** (0.1259)	0.3671 (0.2396)	0.3388** (0.1027)	0.2868*** (0.0687)	-0.0591 (0.4229)	0.3462** (0.1408)	0.3957 (0.3015)	0.4020** (0.1876)	0.3210*** (0.0994)
Compulsory/Voluntary Participation (Base level = Compulsory)										
Voluntary	-0.8433*** (0.3256)	-0.6142*** (0.1113)	-0.6818*** (0.2189)	-0.4082*** (0.1205)	-0.3416*** (0.0587)	-0.9753** (0.3928)	-0.6791*** (0.1345)	-0.7463*** (0.2587)	-0.5536*** (0.1683)	-0.6366*** (0.2197)
Flexibility of appointments (Base level = Not flexible)										
Flexible	0.3740 (0.2447)	0.0455 (0.0796)	0.1982 (0.1547)	0.2034 (0.0861)	0.1854*** (0.0448)	0.3921 (0.2540)	0.0552 (0.0830)	0.2754 (0.1895)	0.0640 (0.1073)	0.7390*** (0.1931)
Location and Continuity of treatment (Base level = Both prison and community with continuity of care in between transitions)										
Prison only (with no continuity of care post prison)	-0.8005** (0.3532)	-0.3175** (0.1260)	-0.4053* (0.2458)	-0.4082*** (0.1387)	-0.2994*** (0.0700)	-0.8844** (0.3770)	-0.3633*** (0.1335)	-0.4485 (0.2917)	-0.4985*** (0.1705)	-0.3951*** (0.0909)
Community only (with no continuity of care when imprisoned)	-0.5280* (0.3068)	-0.3092*** (0.0932)	-0.2056 (0.1715)	-0.3360*** (0.1027)	-2402*** (0.0511)	-0.5297 (0.3319)	-0.3348*** (0.1023)	-0.2336 (0.2040)	-0.3923*** (0.1306)	-0.3503*** (0.0720)
Prison with continuity of care post prison	0.2191* (0.1316)	0.1134*** (0.0422)	0.1160 (0.0750)	0.0728 (0.0463)	0.0797*** (0.0235)	0.2515** (0.1403)	0.3348*** (0.1023)	0.1483 (0.0960)	0.0844 (0.0605)	0.1106*** (0.0330)
Type of treatment (Base level = Individual and Family counselling with medication)										
Offender group counselling sessions only	-0.1562 (0.2409)	0.0281 (0.0789)	0.1259 (0.1575)	-0.1114 (0.0828)	0.0042 (0.0425)	-0.1700 (0.2523)	0.0310 (0.0831)	0.0847 (0.1794)	-0.0541 (0.0983)	-0.0464 (0.0782)
Offender group counselling sessions with medication	0.1509 (0.3354)	-0.0690 (0.1093)	-0.2383 (0.2144)	-0.0549 (0.1184)	0.0353 (0.0602)	0.1584 (0.0353)	-0.0665 (0.1152)	-0.2257 (0.2477)	-0.0549 (0.1430)	0.0660 (0.0782)
Individual counselling with medication	-0.2190 (0.3615)	-0.0775 (0.1158)	-0.0684 (0.2208)	-0.1291 (0.1257)	-0.0609 (0.0621)	-0.2217 (0.4229)	-0.1175 (0.1302)	-0.0829 (0.2637)	-0.1501 (0.1580)	-0.0808 (0.0853)
Treatment providers (Base level = Counsellors/Psychologists with health professionals)										
Health professional	-0.6988** (0.2866)	-0.3282*** (0.0901)	-0.1893 (0.1725)	-0.2903*** (0.0970)	-0.0603 (0.0488)	-0.7787** (0.3073)	-0.3543*** (0.0940)	-0.2324 (0.2071)	-0.3607*** (0.1218)	-0.1158 (0.0648)
Prison/Probation & parole officers with health professional	0.4083* (0.2263)	0.1105 (0.0693)	-0.0868 (0.1291)	0.1452 (0.0764)	0.0594 (0.0381)	0.3987** (0.2376)	0.1133 (0.0730)	-0.1111 (0.1666)	0.1737 (0.1042)	0.0847 (0.0560)
Prison/Probation & Parole officer with Counsellors/Psychologists with Health Professional	0.0605 (0.2295)	0.0655 (0.0704)	0.1320 (0.1547)	0.0381 (0.0203)	0.0162 (0.0389)	0.5427 (0.2442)	0.0591 (0.0753)	0.1597 (0.1534)	0.0488 (0.0890)	0.0390 (0.0493)
Goodness of fit										
Log likelihood function	-102.01	-815.34	-224.30	-704.58	-2585.18	-100.94	-807.55	-210.71	-671.09	-2397.01
Degrees of freedom	15	15	15	15	15	16	16	16	17	21
AIC	234.0	1660.7	478.6	1439.2	5200.4	233.9	1647.1	453.4	1376.2	4836.0
Number of observations	186	1302	354	1152	3936	186	1302	354	1152	3936

*** = 99% confidence level, **=95% confidence level, *=90% confidence level