

Supplementary Material

Comparing the impact of sexualised drug use with and without chemsex on sexual behaviours among men who have sex with men in China: a national multi-site cross-sectional study

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Supplementary Table S1. Drug Use by Group

Groups	Drugs Name	N	%
SDU with chemsex (n=68)	Poppers ^[1,2,3]	67	8.4
	Ketamine ^[2,4]	1	0.1
	Ecstasy ^[2,4]	0	0
	GHB / GBL ^[2,4]	0	0
	Crystal Meth ^[2,5]	0	0
SDU without chemsex (n=157)	Alcohol ^[2,6,7]	132	16.6
	Erectile dysfunction medication(include 6 overlap with alcohol) ^[6,8]	30	3.8
	Marijuana ^[6,8]	1	0.1
	Heroin ^[6,7,8]	0	0
Neither group (Non-SDU) (n=571)	\	571	71.7

[1] Irfan, S. D., Sarwar, G., Emran, J., & Khan, S. I. (2023). An uncharted territory of sexualized drug use: exploring the dynamics of chemsex among young and adolescent MSM including self-identified gay men in urban Dhaka, Bangladesh. *Frontiers in psychology*, 14, 1124971.

[2] Malandain, L., & Thibaut, F. (2023). Chemsex: review of the current literature and treatment guidelines. *Current Addiction Reports*, 10(3), 563-571.

[3] Yu, V. G., & Lasco, G. (2023). Neither legal nor illegal: Poppers as 'acceptable' chemsex drugs among men who have sex with men in the Philippines. *International Journal of Drug Policy*, 104004.

[4] Ma, R., & Perera, S. (2016). Safer 'chemsex': GPs' role in harm reduction for emerging forms of recreational drug use. *British Journal of General Practice*, 66(642), 4-5.

[5] Coronado-Muñoz, M., García-Cabrera, E., Quintero-Flórez, A., Román, E., & Vilches-Arenas, Á. (2024). Sexualized Drug Use and Chemsex among Men Who Have Sex with Men in Europe: A Systematic Review and Meta-Analysis. *Journal of Clinical Medicine*, 13(6), 1812.

[6] Íncera-Fernández, D., Román, F. J., Moreno-Guillén, S., & Gámez-Guadix, M. (2023). Understanding sexualized drug use: substances, reasons, consequences, and self-perceptions among men who Have sex with other men in Spain. *International journal of environmental research and public health*, 20(3), 2751.

[7] Calsyn, D. A., Cousins, S. J., Hatch-Maillette, M. A., Forcehimes, A., Mandler, R., Doyle, S. R., & Woody, G. (2010). Sex under the influence of drugs or alcohol: Common for men in substance abuse treatment and associated with high-risk sexual behavior. *The American journal on addictions*, 19(2), 119-127.

[8] Kelly-Hanku, A. (2021). A qualitative scoping review of sexualised drug use (including Chemsex).

Supplementary Table S2. Comparison of Univariable and Multivariable Logistic Regression Analysis for Sexual Acts and Model Fit Indices

Group Name	Sexual Acts	Type	AIC	BIC	χ^2	p-value
Non-SDU	French kissing	Univariable Logistic Regression	950.285	959.644	8.611	0.376
		Multivariable Logistic Regression	957.673	1004.469		
Non-SDU	Self-masturbated	Univariable Logistic Regression	951.902	961.261	8.522	0.384
		Multivariable Logistic Regression	959.379	1006.175		
Non-SDU	Masturbated for a man	Univariable Logistic Regression	946.498	955.857	8.161	0.418
		Multivariable Logistic Regression	954.337	1001.133		
Non-SDU	Masturbated by a man	Univariable Logistic Regression	951.04	960.399	8.361	0.399
		Multivariable Logistic Regression	958.679	1005.475		
Non-SDU	Receptive oral sex	Univariable Logistic Regression	950.909	960.268	8.622	0.375
		Multivariable Logistic Regression	958.286	1005.082		
Non-SDU	Insertive oral sex	Univariable Logistic Regression	951.871	961.231	8.676	0.37
		Multivariable Logistic Regression	959.195	1005.991		
Non-SDU	Receptive rimming	Univariable Logistic Regression	951.782	961.141	8.47	0.389
		Multivariable Logistic Regression	959.312	1006.108		
Non-SDU	Insertive rimming	Univariable Logistic Regression	950.854	960.213	8.306	0.404
		Multivariable Logistic Regression	958.547	1005.343		
Non-SDU	Receptive anal sex	Univariable Logistic Regression	951.914	961.274	8.555	0.381
		Multivariable Logistic Regression	959.36	1006.156		
Non-SDU	Insertive anal sex	Univariable Logistic Regression	951.015	960.374	8.394	0.396
		Multivariable Logistic Regression	958.621	1005.417		
SDU with chemsex	French kissing	Univariable Logistic Regression	468.374	477.733	7.508	0.483
		Multivariable Logistic Regression	476.866	523.662		

SDU with chemsex	Self-masturbated	Univariable Logistic Regression	459.822	469.182	6.917	0.546
		Multivariable Logistic Regression	468.906	515.702		
SDU with chemsex	Masturbated for a man	Univariable Logistic Regression	468.438	477.798	7.481	0.486
		Multivariable Logistic Regression	476.958	523.754		
SDU with chemsex	Masturbated by a man	Univariable Logistic Regression	465.949	475.308	7.32	0.503
		Multivariable Logistic Regression	474.63	521.426		
SDU with chemsex	Receptive oral sex	Univariable Logistic Regression	467.433	476.792	7.892	0.444
		Multivariable Logistic Regression	475.541	522.337		
SDU with chemsex	Insertive oral sex	Univariable Logistic Regression	468.133	477.493	7.425	0.492
		Multivariable Logistic Regression	476.709	523.505		
SDU with chemsex	Receptive rimming	Univariable Logistic Regression	465.8	475.16	7.472	0.487
		Multivariable Logistic Regression	474.329	521.125		
SDU with chemsex	Insertive rimming	Univariable Logistic Regression	468.558	477.918	7.445	0.489
		Multivariable Logistic Regression	477.114	523.91		
SDU with chemsex	Receptive anal sex	Univariable Logistic Regression	466.928	476.287	7.241	0.511
		Multivariable Logistic Regression	475.687	522.483		
SDU with chemsex	Insertive anal sex	Univariable Logistic Regression	468.587	477.947	7.488	0.485
		Multivariable Logistic Regression	477.099	523.895		
SDU without	French kissing	Univariable Logistic Regression	793.222	802.582	6.395	0.603

chemsex		Multivariable Logistic Regression	802.828	849.624		
SDU without chemsex	Self-masturbated	Univariable Logistic Regression	790.602	799.961	6.46	0.596
		Multivariable Logistic Regression	800.142	846.938		
SDU without chemsex	Masturbated for a man	Univariable Logistic Regression	785.792	795.151	5.855	0.663
		Multivariable Logistic Regression	795.936	842.732		
SDU without chemsex	Masturbated by a man	Univariable Logistic Regression	794.498	803.857	6.395	0.603
		Multivariable Logistic Regression	804.103	850.899		
SDU without chemsex	Receptive oral sex	Univariable Logistic Regression	794.333	803.692	6.335	0.61
		Multivariable Logistic Regression	803.998	850.794		
SDU without chemsex	Insertive oral sex	Univariable Logistic Regression	793.844	803.203	6.649	0.575
		Multivariable Logistic Regression	803.195	849.991		
SDU without chemsex	Receptive rimming	Univariable Logistic Regression	793.962	803.321	6.555	0.585
		Multivariable Logistic Regression	803.407	850.203		
SDU without chemsex	Insertive rimming	Univariable Logistic Regression	793.357	802.716	6.16	0.629
		Multivariable Logistic Regression	803.197	849.993		
SDU without chemsex	Receptive anal sex	Univariable Logistic Regression	793.186	802.545	6.238	0.621
		Multivariable Logistic Regression	802.948	849.744		
SDU without chemsex	Insertive anal sex	Univariable Logistic Regression	793.204	802.563	6.283	0.616

Multivariable Logistic Regression 802.921 849.717

Supplementary Table S3. Comparison of Univariable and Multivariable Logistic Regression Analysis for Sexual Acts Pair and Model Fit Indices

Group Name	Sexual Acts Pair	Type	AIC	BIC	χ^2	p-value
Non-SDU	French kissing ~	Univariable Logistic Regression	950.975	960.334	7.608	0.368
	Self-masturbated	Multivariable Logistic Regression	957.367	-4317.478		
Non-SDU	French kissing ~	Univariable Logistic Regression	951.889	961.248	7.622	0.367
	Masturbated for a man	Multivariable Logistic Regression	958.267	-4316.578		
Non-SDU	French kissing ~	Univariable Logistic Regression	951.355	960.715	7.729	0.357
	Masturbated by a man	Multivariable Logistic Regression	957.627	-4317.218		
Non-SDU	French kissing ~	Univariable Logistic Regression	947.932	957.291	7.795	0.351
	Receptive oral sex	Multivariable Logistic Regression	954.137	-4320.708		
Non-SDU	French kissing ~	Univariable Logistic Regression	947.32	956.679	7.544	0.375
	Insertive oral sex	Multivariable Logistic Regression	953.776	-4321.068		
Non-SDU	French kissing ~	Univariable Logistic Regression	951.915	961.274	7.611	0.368
	Receptive rimming	Multivariable Logistic Regression	958.304	-4316.541		
Non-SDU	French kissing ~	Univariable Logistic Regression	951.915	961.274	7.652	0.364
	Insertive rimming	Multivariable Logistic Regression	958.263	-4316.582		
Non-SDU	French kissing ~	Univariable Logistic Regression	951.948	961.308	7.59	0.37
	Receptive anal sex	Multivariable Logistic Regression	958.359	-4316.486		
Non-SDU	French kissing ~	Univariable Logistic Regression	949.588	958.947	7.6	0.369
	Insertive anal sex	Multivariable Logistic Regression	955.988	-4318.856		
Non-SDU	Self-masturbated ~	Univariable Logistic Regression	950.728	960.087	7.585	0.371
	French kissing	Multivariable Logistic Regression	957.144	-4317.701		
Non-SDU	Self-masturbated ~	Univariable Logistic Regression	951.95	961.309	7.593	0.37
	Masturbated for a man	Multivariable Logistic Regression	958.357	-4316.488		
Non-SDU	Self-masturbated ~	Univariable Logistic Regression	951.87	961.229	7.684	0.361

	Masturbated by a man	Multivariable Logistic Regression	958.186	-4316.658		
Non-SDU	Self-masturbated ~	Univariable Logistic Regression	951.802	961.161	7.539	0.375
	Receptive oral sex	Multivariable Logistic Regression	958.263	-4316.582		
Non-SDU	Self-masturbated ~	Univariable Logistic Regression	950.39	959.75	7.405	0.388
	Insertive oral sex	Multivariable Logistic Regression	956.986	-4317.859		
Non-SDU	Self-masturbated ~	Univariable Logistic Regression	949.961	959.32	7.564	0.373
	Receptive rimming	Multivariable Logistic Regression	956.397	-4318.448		
Non-SDU	Self-masturbated ~	Univariable Logistic Regression	951.777	961.136	7.584	0.371
	Insertive rimming	Multivariable Logistic Regression	958.192	-4316.652		
Non-SDU	Self-masturbated ~	Univariable Logistic Regression	951.634	960.993	7.544	0.375
	Receptive anal sex	Multivariable Logistic Regression	958.091	-4316.754		
Non-SDU	Self-masturbated ~	Univariable Logistic Regression	948.497	957.856	7.766	0.354
	Insertive anal sex	Multivariable Logistic Regression	954.731	-4320.114		
Non-SDU	Masturbated for a man ~	Univariable Logistic Regression	950.015	959.375	7.461	0.383
	French kissing	Multivariable Logistic Regression	956.554	-4318.29		
Non-SDU	Masturbated for a man ~	Univariable Logistic Regression	951.752	961.111	7.591	0.37
	Self-masturbated	Multivariable Logistic Regression	958.161	-4316.684		
Non-SDU	Masturbated for a man ~	Univariable Logistic Regression	951.917	961.276	7.665	0.363
	Masturbated by a man	Multivariable Logistic Regression	958.252	-4316.592		
Non-SDU	Masturbated for a man ~	Univariable Logistic Regression	951.551	960.91	7.741	0.356
	Receptive oral sex	Multivariable Logistic Regression	957.81	-4317.034		
Non-SDU	Masturbated for a man ~	Univariable Logistic Regression	951.539	960.898	7.707	0.359
	Insertive oral sex	Multivariable Logistic Regression	957.832	-4317.013		
Non-SDU	Masturbated for a man ~	Univariable Logistic Regression	950.691	960.05	7.618	0.367
	Receptive rimming	Multivariable Logistic Regression	957.073	-4317.772		

Non-SDU	Masturbated for a man ~ Insertive rimming	Univariable Logistic Regression	951.921	961.281	7.761	0.354
		Multivariable Logistic Regression	958.16	-4316.685		
Non-SDU	Masturbated for a man ~ Receptive anal sex	Univariable Logistic Regression	950.015	959.375	7.506	0.378
		Multivariable Logistic Regression	956.51	-4318.335		
Non-SDU	Masturbated for a man ~ Insertive anal sex	Univariable Logistic Regression	948.971	958.33	7.237	0.405
		Multivariable Logistic Regression	955.734	-4319.111		
Non-SDU	Masturbated by a man ~ French kissing	Univariable Logistic Regression	951.958	961.317	7.616	0.368
		Multivariable Logistic Regression	958.342	-4316.503		
Non-SDU	Masturbated by a man ~ Self-masturbated	Univariable Logistic Regression	949.965	959.324	8.211	0.314
		Multivariable Logistic Regression	955.754	-4319.091		
Non-SDU	Masturbated by a man ~ Masturbated for a man	Univariable Logistic Regression	949.321	958.68	7.435	0.385
		Multivariable Logistic Regression	955.886	-4318.959		
Non-SDU	Masturbated by a man ~ Receptive oral sex	Univariable Logistic Regression	946.934	956.293	8.41	0.298
		Multivariable Logistic Regression	952.524	-4322.321		
Non-SDU	Masturbated by a man ~ Insertive oral sex	Univariable Logistic Regression	951.487	960.846	7.459	0.383
		Multivariable Logistic Regression	958.028	-4316.817		
Non-SDU	Masturbated by a man ~ Receptive rimming	Univariable Logistic Regression	950.88	960.239	7.704	0.359
		Multivariable Logistic Regression	957.177	-4317.668		
Non-SDU	Masturbated by a man ~ Insertive rimming	Univariable Logistic Regression	950.627	959.987	7.513	0.377
		Multivariable Logistic Regression	957.114	-4317.73		
Non-SDU	Masturbated by a man ~ Receptive anal sex	Univariable Logistic Regression	951.601	960.96	7.717	0.358
		Multivariable Logistic Regression	957.884	-4316.96		
Non-SDU	Masturbated by a man ~ Insertive anal sex	Univariable Logistic Regression	951.791	961.151	7.64	0.365
		Multivariable Logistic Regression	958.152	-4316.693		
Non-SDU	Receptive oral sex ~	Univariable Logistic Regression	949.821	959.18	7.463	0.382

	French kissing	Multivariable Logistic Regression	956.358	-4318.487		
Non-SDU	Receptive oral sex ~ Self-masturbated	Univariable Logistic Regression	951.888	961.247	7.622	0.367
		Multivariable Logistic Regression	958.266	-4316.579		
Non-SDU	Receptive oral sex ~ Masturbated for a man	Univariable Logistic Regression	951.877	961.236	7.741	0.356
		Multivariable Logistic Regression	958.136	-4316.709		
Non-SDU	Receptive oral sex ~ Masturbated by a man	Univariable Logistic Regression	951.313	960.672	7.648	0.365
		Multivariable Logistic Regression	957.664	-4317.18		
Non-SDU	Receptive oral sex ~ Insertive oral sex	Univariable Logistic Regression	951.954	961.313	7.595	0.37
		Multivariable Logistic Regression	958.359	-4316.485		
Non-SDU	Receptive oral sex ~ Receptive rimming	Univariable Logistic Regression	949.262	958.621	8.349	0.303
		Multivariable Logistic Regression	954.913	-4319.931		
Non-SDU	Receptive oral sex ~ Insertive rimming	Univariable Logistic Regression	951.711	961.07	7.619	0.367
		Multivariable Logistic Regression	958.092	-4316.752		
Non-SDU	Receptive oral sex ~ Receptive anal sex	Univariable Logistic Regression	951.895	961.254	7.6	0.369
		Multivariable Logistic Regression	958.295	-4316.55		
Non-SDU	Receptive oral sex ~ Insertive anal sex	Univariable Logistic Regression	949.802	959.161	7.594	0.37
		Multivariable Logistic Regression	956.208	-4318.636		
Non-SDU	Insertive oral sex ~ French kissing	Univariable Logistic Regression	949.588	958.947	7.209	0.407
		Multivariable Logistic Regression	956.379	-4318.465		
Non-SDU	Insertive oral sex ~ Self-masturbated	Univariable Logistic Regression	951.953	961.312	7.596	0.37
		Multivariable Logistic Regression	958.357	-4316.488		
Non-SDU	Insertive oral sex ~ Masturbated for a man	Univariable Logistic Regression	950.264	959.623	7.421	0.386
		Multivariable Logistic Regression	956.843	-4318.002		
Non-SDU	Insertive oral sex ~ Masturbated by a man	Univariable Logistic Regression	951.936	961.295	7.592	0.37
		Multivariable Logistic Regression	958.343	-4316.501		

Non-SDU	Insertive oral sex ~	Univariable Logistic Regression	947.593	956.952	7.099	0.419
	Receptive oral sex	Multivariable Logistic Regression	954.494	-4320.351		
Non-SDU	Insertive oral sex ~	Univariable Logistic Regression	951.839	961.198	7.629	0.366
	Receptive rimming	Multivariable Logistic Regression	958.21	-4316.635		
Non-SDU	Insertive oral sex ~	Univariable Logistic Regression	951.059	960.418	7.335	0.395
	Insertive rimming	Multivariable Logistic Regression	957.724	-4317.121		
Non-SDU	Insertive oral sex ~	Univariable Logistic Regression	951.847	961.206	7.596	0.37
	Receptive anal sex	Multivariable Logistic Regression	958.251	-4316.594		
Non-SDU	Insertive oral sex ~	Univariable Logistic Regression	950.866	960.226	7.626	0.367
	Insertive anal sex	Multivariable Logistic Regression	957.241	-4317.604		
Non-SDU	Receptive rimming ~	Univariable Logistic Regression	951.937	961.296	7.579	0.371
	French kissing	Multivariable Logistic Regression	958.357	-4316.487		
Non-SDU	Receptive rimming ~	Univariable Logistic Regression	951.884	961.243	7.607	0.369
	Self-masturbated	Multivariable Logistic Regression	958.278	-4316.567		
Non-SDU	Receptive rimming ~	Univariable Logistic Regression	950.051	959.41	7.625	0.367
	Masturbated for a man	Multivariable Logistic Regression	956.426	-4318.419		
Non-SDU	Receptive rimming ~	Univariable Logistic Regression	951.953	961.312	7.593	0.37
	Masturbated by a man	Multivariable Logistic Regression	958.36	-4316.485		
Non-SDU	Receptive rimming ~	Univariable Logistic Regression	951.884	961.243	7.602	0.369
	Receptive oral sex	Multivariable Logistic Regression	958.282	-4316.562		
Non-SDU	Receptive rimming ~	Univariable Logistic Regression	951.759	961.118	7.549	0.374
	Insertive oral sex	Multivariable Logistic Regression	958.21	-4316.634		
Non-SDU	Receptive rimming ~	Univariable Logistic Regression	951.518	960.877	7.785	0.352
	Insertive rimming	Multivariable Logistic Regression	957.733	-4317.112		
Non-SDU	Receptive rimming ~	Univariable Logistic Regression	950.986	960.345	7.705	0.359

	Receptive anal sex	Multivariable Logistic Regression	957.281	-4317.563		
Non-SDU	Receptive rimming ~	Univariable Logistic Regression	951.536	960.895	7.64	0.365
	Insertive anal sex	Multivariable Logistic Regression	957.896	-4316.948		
Non-SDU	Insertive rimming ~	Univariable Logistic Regression	951.293	960.653	7.493	0.379
	French kissing	Multivariable Logistic Regression	957.8	-4317.044		
Non-SDU	Insertive rimming ~	Univariable Logistic Regression	949.961	959.32	7.339	0.394
	Self-masturbated	Multivariable Logistic Regression	956.621	-4318.223		
Non-SDU	Insertive rimming ~	Univariable Logistic Regression	949.293	958.652	7.304	0.398
	Masturbated for a man	Multivariable Logistic Regression	955.988	-4318.856		
Non-SDU	Insertive rimming ~	Univariable Logistic Regression	951.884	961.243	7.546	0.374
	Masturbated by a man	Multivariable Logistic Regression	958.338	-4316.506		
Non-SDU	Insertive rimming ~	Univariable Logistic Regression	950.051	959.41	8.163	0.318
	Receptive oral sex	Multivariable Logistic Regression	955.888	-4318.956		
Non-SDU	Insertive rimming ~	Univariable Logistic Regression	951.116	960.475	7.878	0.343
	Insertive oral sex	Multivariable Logistic Regression	957.238	-4317.607		
Non-SDU	Insertive rimming ~	Univariable Logistic Regression	951.958	961.317	7.6	0.369
	Receptive rimming	Multivariable Logistic Regression	958.357	-4316.487		
Non-SDU	Insertive rimming ~	Univariable Logistic Regression	951.877	961.236	7.732	0.357
	Receptive anal sex	Multivariable Logistic Regression	958.145	-4316.7		
Non-SDU	Insertive rimming ~	Univariable Logistic Regression	951.172	960.531	7.654	0.364
	Insertive anal sex	Multivariable Logistic Regression	957.517	-4317.327		
Non-SDU	Receptive anal sex ~	Univariable Logistic Regression	949.932	959.291	7.509	0.378
	French kissing	Multivariable Logistic Regression	956.423	-4318.421		
Non-SDU	Receptive anal sex ~	Univariable Logistic Regression	949.974	959.333	7.415	0.387
	Self-masturbated	Multivariable Logistic Regression	956.559	-4318.285		

Non-SDU	Receptive anal sex ~ Masturbated for a man	Univariable Logistic Regression	950.988	960.347	7.742	0.356
		Multivariable Logistic Regression	957.246	-4317.598		
Non-SDU	Receptive anal sex ~ Masturbated by a man	Univariable Logistic Regression	951.921	961.28	7.589	0.37
		Multivariable Logistic Regression	958.332	-4316.512		
Non-SDU	Receptive anal sex ~ Receptive oral sex	Univariable Logistic Regression	951.953	961.312	7.605	0.369
		Multivariable Logistic Regression	958.348	-4316.496		
Non-SDU	Receptive anal sex ~ Insertive oral sex	Univariable Logistic Regression	951.937	961.296	7.705	0.359
		Multivariable Logistic Regression	958.231	-4316.613		
Non-SDU	Receptive anal sex ~ Receptive rimming	Univariable Logistic Regression	950.627	959.987	7.79	0.351
		Multivariable Logistic Regression	956.837	-4318.007		
Non-SDU	Receptive anal sex ~ Insertive rimming	Univariable Logistic Regression	951.958	961.317	7.601	0.369
		Multivariable Logistic Regression	958.356	-4316.488		
Non-SDU	Receptive anal sex ~ Insertive anal sex	Univariable Logistic Regression	951.69	961.049	7.823	0.348
		Multivariable Logistic Regression	957.867	-4316.978		
Non-SDU	Insertive anal sex ~ French kissing	Univariable Logistic Regression	951.611	960.97	7.389	0.39
		Multivariable Logistic Regression	958.222	-4316.622		
Non-SDU	Insertive anal sex ~ Self-masturbated	Univariable Logistic Regression	951.786	961.145	7.578	0.371
		Multivariable Logistic Regression	958.208	-4316.636		
Non-SDU	Insertive anal sex ~ Masturbated for a man	Univariable Logistic Regression	951.948	961.307	7.595	0.37
		Multivariable Logistic Regression	958.353	-4316.492		
Non-SDU	Insertive anal sex ~ Masturbated by a man	Univariable Logistic Regression	950.88	960.239	7.596	0.37
		Multivariable Logistic Regression	957.284	-4317.56		
Non-SDU	Insertive anal sex ~ Receptive oral sex	Univariable Logistic Regression	951.953	961.312	7.607	0.369
		Multivariable Logistic Regression	958.346	-4316.498		
Non-SDU	Insertive anal sex ~	Univariable Logistic Regression	951.732	961.091	7.653	0.364

	Insertive oral sex	Multivariable Logistic Regression	958.079	-4316.766		
Non-SDU	Insertive anal sex ~	Univariable Logistic Regression	951.619	960.978	7.561	0.373
	Receptive rimming	Multivariable Logistic Regression	958.058	-4316.786		
Non-SDU	Insertive anal sex ~	Univariable Logistic Regression	951.293	960.653	7.599	0.369
	Insertive rimming	Multivariable Logistic Regression	957.694	-4317.151		
Non-SDU	Insertive anal sex ~	Univariable Logistic Regression	951.925	961.284	7.594	0.37
	Receptive anal sex	Multivariable Logistic Regression	958.331	-4316.514		
SDU with chemsex	French kissing ~	Univariable Logistic Regression	468.275	477.634	7.722	0.358
	Self-masturbated	Multivariable Logistic Regression	474.553	-4800.291		
SDU with chemsex	French kissing ~	Univariable Logistic Regression	468.501	477.86	7.433	0.385
	Masturbated for a man	Multivariable Logistic Regression	475.068	-4799.776		
SDU with chemsex	French kissing ~	Univariable Logistic Regression	468.546	477.905	7.435	0.385
	Masturbated by a man	Multivariable Logistic Regression	475.111	-4799.734		
SDU with chemsex	French kissing ~	Univariable Logistic Regression	468.237	477.596	7.517	0.377
	Receptive oral sex	Multivariable Logistic Regression	474.72	-4800.124		
SDU with chemsex	French kissing ~	Univariable Logistic Regression	464.787	474.146	7.964	0.336
	Insertive oral sex	Multivariable Logistic Regression	470.823	-4804.022		
SDU with chemsex	French kissing ~	Univariable Logistic Regression	468.447	477.806	7.626	0.367
	Receptive rimming	Multivariable Logistic Regression	474.821	-4800.023		
SDU with chemsex	French kissing ~	Univariable Logistic Regression	468.447	477.806	7.411	0.387

	Insertive rimming	Multivariable Logistic Regression	475.036	-4799.809		
SDU with chemsex	French kissing ~	Univariable Logistic Regression	466.901	476.26	7.03	0.426
	Receptive anal sex	Multivariable Logistic Regression	473.871	-4800.973		
SDU with chemsex	French kissing ~	Univariable Logistic Regression	468.129	477.488	7.412	0.387
	Insertive anal sex	Multivariable Logistic Regression	474.717	-4800.128		
SDU with chemsex	Self-masturbated ~	Univariable Logistic Regression	465.52	474.879	7.409	0.388
	French kissing	Multivariable Logistic Regression	472.111	-4802.734		
SDU with chemsex	Self-masturbated ~	Univariable Logistic Regression	468.412	477.771	7.579	0.371
	Masturbated for a man	Multivariable Logistic Regression	474.833	-4800.011		
SDU with chemsex	Self-masturbated ~	Univariable Logistic Regression	468.3	477.659	7.489	0.38
	Masturbated by a man	Multivariable Logistic Regression	474.811	-4800.034		
SDU with chemsex	Self-masturbated ~	Univariable Logistic Regression	468.427	477.786	7.613	0.368
	Receptive oral sex	Multivariable Logistic Regression	474.814	-4800.03		
SDU with chemsex	Self-masturbated ~	Univariable Logistic Regression	468.08	477.439	7.522	0.377
	Insertive oral sex	Multivariable Logistic Regression	474.558	-4800.287		
SDU with chemsex	Self-masturbated ~	Univariable Logistic Regression	468.054	477.413	7.567	0.372
	Receptive rimming	Multivariable Logistic Regression	474.486	-4800.358		
SDU with chemsex	Self-masturbated ~	Univariable Logistic Regression	467.955	477.314	7.566	0.372
	Insertive rimming	Multivariable Logistic Regression	474.388	-4800.456		

SDU with chemsex	Self-masturbated ~	Univariable Logistic Regression	461.596	470.955	7.708	0.359
	Receptive anal sex	Multivariable Logistic Regression	467.888	-4806.956		
SDU with chemsex	Self-masturbated ~	Univariable Logistic Regression	468.548	477.908	7.475	0.381
	Insertive anal sex	Multivariable Logistic Regression	475.073	-4799.771		
SDU with chemsex	Masturbated for a man ~	Univariable Logistic Regression	465.885	475.244	7.252	0.403
	French kissing	Multivariable Logistic Regression	472.632	-4802.212		
SDU with chemsex	Masturbated for a man ~	Univariable Logistic Regression	468.582	477.941	7.446	0.384
	Self-masturbated	Multivariable Logistic Regression	475.136	-4799.708		
SDU with chemsex	Masturbated for a man ~	Univariable Logistic Regression	466.885	476.244	7.519	0.377
	Masturbated by a man	Multivariable Logistic Regression	473.366	-4801.479		
SDU with chemsex	Masturbated for a man ~	Univariable Logistic Regression	468.587	477.946	7.447	0.384
	Receptive oral sex	Multivariable Logistic Regression	475.14	-4799.705		
SDU with chemsex	Masturbated for a man ~	Univariable Logistic Regression	466.502	475.861	7.58	0.371
	Insertive oral sex	Multivariable Logistic Regression	472.923	-4801.922		
SDU with chemsex	Masturbated for a man ~	Univariable Logistic Regression	468.18	477.539	7.481	0.381
	Receptive rimming	Multivariable Logistic Regression	474.7	-4800.145		
SDU with chemsex	Masturbated for a man ~	Univariable Logistic Regression	467.123	476.482	8.167	0.318
	Insertive rimming	Multivariable Logistic Regression	472.956	-4801.889		
SDU with	Masturbated for a man ~	Univariable Logistic Regression	468.517	477.876	7.446	0.384

chemsex	Receptive anal sex	Multivariable Logistic Regression	475.071	-4799.774		
SDU with chemsex	Masturbated for a man ~	Univariable Logistic Regression	468.59	477.949	7.451	0.384
	Insertive anal sex	Multivariable Logistic Regression	475.139	-4799.705		
SDU with chemsex	Masturbated by a man ~	Univariable Logistic Regression	468.151	477.51	7.397	0.389
	French kissing	Multivariable Logistic Regression	474.754	-4800.091		
SDU with chemsex	Masturbated by a man ~	Univariable Logistic Regression	467.813	477.172	7.801	0.35
	Self-masturbated	Multivariable Logistic Regression	474.011	-4800.833		
SDU with chemsex	Masturbated by a man ~	Univariable Logistic Regression	468.53	477.889	7.517	0.377
	Masturbated for a man	Multivariable Logistic Regression	475.012	-4799.832		
SDU with chemsex	Masturbated by a man ~	Univariable Logistic Regression	468.026	477.385	7.562	0.373
	Receptive oral sex	Multivariable Logistic Regression	474.463	-4800.381		
SDU with chemsex	Masturbated by a man ~	Univariable Logistic Regression	465.124	474.484	7.212	0.407
	Insertive oral sex	Multivariable Logistic Regression	471.912	-4802.933		
SDU with chemsex	Masturbated by a man ~	Univariable Logistic Regression	464.134	473.493	8.236	0.312
	Receptive rimming	Multivariable Logistic Regression	469.898	-4804.946		
SDU with chemsex	Masturbated by a man ~	Univariable Logistic Regression	468.233	477.592	7.452	0.383
	Insertive rimming	Multivariable Logistic Regression	474.781	-4800.064		
SDU with chemsex	Masturbated by a man ~	Univariable Logistic Regression	468.582	477.941	7.443	0.384

	Receptive anal sex	Multivariable Logistic Regression	475.139	-4799.706		
SDU with chemsex	Masturbated by a man ~	Univariable Logistic Regression	468.255	477.614	7.468	0.382
	Insertive anal sex	Multivariable Logistic Regression	474.787	-4800.057		
SDU with chemsex	Receptive oral sex ~	Univariable Logistic Regression	468.581	477.94	7.441	0.384
	French kissing	Multivariable Logistic Regression	475.14	-4799.705		
SDU with chemsex	Receptive oral sex ~	Univariable Logistic Regression	464.646	474.005	7.723	0.358
	Self-masturbated	Multivariable Logistic Regression	470.924	-4803.921		
SDU with chemsex	Receptive oral sex ~	Univariable Logistic Regression	467.658	477.017	7.315	0.397
	Masturbated for a man	Multivariable Logistic Regression	474.343	-4800.502		
SDU with chemsex	Receptive oral sex ~	Univariable Logistic Regression	468.213	477.572	7.427	0.386
	Masturbated by a man	Multivariable Logistic Regression	474.786	-4800.059		
SDU with chemsex	Receptive oral sex ~	Univariable Logistic Regression	467.239	476.598	7.094	0.419
	Insertive oral sex	Multivariable Logistic Regression	474.144	-4800.7		
SDU with chemsex	Receptive oral sex ~	Univariable Logistic Regression	463.187	472.546	8.33	0.304
	Receptive rimming	Multivariable Logistic Regression	468.857	-4805.988		
SDU with chemsex	Receptive oral sex ~	Univariable Logistic Regression	468.395	477.755	7.57	0.372
	Insertive rimming	Multivariable Logistic Regression	474.825	-4800.02		
SDU with chemsex	Receptive oral sex ~	Univariable Logistic Regression	468.58	477.939	7.441	0.384
	Receptive anal sex	Multivariable Logistic Regression	475.139	-4799.706		

SDU with chemsex	Receptive oral sex ~	Univariable Logistic Regression	464.401	473.76	7.116	0.417
	Insertive anal sex	Multivariable Logistic Regression	471.285	-4803.56		
SDU with chemsex	Insertive oral sex ~	Univariable Logistic Regression	468.565	477.924	7.541	0.375
	French kissing	Multivariable Logistic Regression	475.024	-4799.82		
SDU with chemsex	Insertive oral sex ~	Univariable Logistic Regression	467.555	476.915	7.478	0.381
	Self-masturbated	Multivariable Logistic Regression	474.078	-4800.767		
SDU with chemsex	Insertive oral sex ~	Univariable Logistic Regression	468.427	477.786	7.488	0.38
	Masturbated for a man	Multivariable Logistic Regression	474.939	-4799.906		
SDU with chemsex	Insertive oral sex ~	Univariable Logistic Regression	468.567	477.926	7.449	0.384
	Masturbated by a man	Multivariable Logistic Regression	475.118	-4799.727		
SDU with chemsex	Insertive oral sex ~	Univariable Logistic Regression	457.029	466.388	7.696	0.36
	Receptive oral sex	Multivariable Logistic Regression	463.332	-4811.512		
SDU with chemsex	Insertive oral sex ~	Univariable Logistic Regression	467.848	477.207	7.299	0.398
	Receptive rimming	Multivariable Logistic Regression	474.549	-4800.295		
SDU with chemsex	Insertive oral sex ~	Univariable Logistic Regression	467.365	476.724	7.677	0.362
	Insertive rimming	Multivariable Logistic Regression	473.688	-4801.156		
SDU with chemsex	Insertive oral sex ~	Univariable Logistic Regression	468.572	477.931	7.434	0.385
	Receptive anal sex	Multivariable Logistic Regression	475.138	-4799.707		
SDU with	Insertive oral sex ~	Univariable Logistic Regression	467.849	477.209	7.498	0.379

chemsex	Insertive anal sex	Multivariable Logistic Regression	474.352	-4800.493		
SDU with chemsex	Receptive rimming ~	Univariable Logistic Regression	467.626	476.985	7.624	0.367
	French kissing	Multivariable Logistic Regression	474.002	-4800.842		
SDU with chemsex	Receptive rimming ~	Univariable Logistic Regression	468.18	477.539	7.449	0.384
	Self-masturbated	Multivariable Logistic Regression	474.731	-4800.113		
SDU with chemsex	Receptive rimming ~	Univariable Logistic Regression	468.054	477.413	7.36	0.392
	Masturbated for a man	Multivariable Logistic Regression	474.694	-4800.151		
SDU with chemsex	Receptive rimming ~	Univariable Logistic Regression	468.586	477.946	7.447	0.384
	Masturbated by a man	Multivariable Logistic Regression	475.139	-4799.705		
SDU with chemsex	Receptive rimming ~	Univariable Logistic Regression	465.638	474.997	7.497	0.379
	Receptive oral sex	Multivariable Logistic Regression	472.14	-4802.704		
SDU with chemsex	Receptive rimming ~	Univariable Logistic Regression	468.381	477.741	7.46	0.383
	Insertive oral sex	Multivariable Logistic Regression	474.922	-4799.923		
SDU with chemsex	Receptive rimming ~	Univariable Logistic Regression	465.981	475.34	8.195	0.316
	Insertive rimming	Multivariable Logistic Regression	471.786	-4803.059		
SDU with chemsex	Receptive rimming ~	Univariable Logistic Regression	468.503	477.862	7.508	0.378
	Receptive anal sex	Multivariable Logistic Regression	474.996	-4799.849		
SDU with chemsex	Receptive rimming ~	Univariable Logistic Regression	466.376	475.736	7.909	0.341

	Insertive anal sex	Multivariable Logistic Regression	472.468	-4802.377		
SDU with chemsex	Insertive rimming ~	Univariable Logistic Regression	468.412	477.771	7.392	0.389
	French kissing	Multivariable Logistic Regression	475.02	-4799.824		
SDU with chemsex	Insertive rimming ~	Univariable Logistic Regression	468.054	477.413	7.384	0.39
	Self-masturbated	Multivariable Logistic Regression	474.669	-4800.175		
SDU with chemsex	Insertive rimming ~	Univariable Logistic Regression	467.874	477.233	7.31	0.397
	Masturbated for a man	Multivariable Logistic Regression	474.565	-4800.28		
SDU with chemsex	Insertive rimming ~	Univariable Logistic Regression	467.515	476.874	7.934	0.338
	Masturbated by a man	Multivariable Logistic Regression	473.581	-4801.264		
SDU with chemsex	Insertive rimming ~	Univariable Logistic Regression	467.123	476.482	7.861	0.345
	Receptive oral sex	Multivariable Logistic Regression	473.263	-4801.582		
SDU with chemsex	Insertive rimming ~	Univariable Logistic Regression	467.626	476.985	7.658	0.364
	Insertive oral sex	Multivariable Logistic Regression	473.968	-4800.876		
SDU with chemsex	Insertive rimming ~	Univariable Logistic Regression	468.08	477.439	7.471	0.381
	Receptive rimming	Multivariable Logistic Regression	474.608	-4800.236		
SDU with chemsex	Insertive rimming ~	Univariable Logistic Regression	465.566	474.925	8.284	0.308
	Receptive anal sex	Multivariable Logistic Regression	471.282	-4803.562		
SDU with chemsex	Insertive rimming ~	Univariable Logistic Regression	468.25	477.609	7.477	0.381
	Insertive anal sex	Multivariable Logistic Regression	474.773	-4800.071		

SDU with chemsex	Receptive anal sex ~	Univariable Logistic Regression	466.793	476.152	7.421	0.386
	French kissing	Multivariable Logistic Regression	473.372	-4801.473		
SDU with chemsex	Receptive anal sex ~	Univariable Logistic Regression	468.472	477.832	7.416	0.387
	Self-masturbated	Multivariable Logistic Regression	475.056	-4799.789		
SDU with chemsex	Receptive anal sex ~	Univariable Logistic Regression	468.129	477.488	7.653	0.364
	Masturbated for a man	Multivariable Logistic Regression	474.475	-4800.369		
SDU with chemsex	Receptive anal sex ~	Univariable Logistic Regression	468.285	477.644	7.488	0.38
	Masturbated by a man	Multivariable Logistic Regression	474.796	-4800.048		
SDU with chemsex	Receptive anal sex ~	Univariable Logistic Regression	467.555	476.915	7.717	0.358
	Receptive oral sex	Multivariable Logistic Regression	473.838	-4801.006		
SDU with chemsex	Receptive anal sex ~	Univariable Logistic Regression	467.874	477.233	7.845	0.346
	Insertive oral sex	Multivariable Logistic Regression	474.029	-4800.816		
SDU with chemsex	Receptive anal sex ~	Univariable Logistic Regression	468.233	477.592	7.653	0.364
	Receptive rimming	Multivariable Logistic Regression	474.58	-4800.265		
SDU with chemsex	Receptive anal sex ~	Univariable Logistic Regression	468.338	477.697	7.486	0.38
	Insertive rimming	Multivariable Logistic Regression	474.852	-4799.993		
SDU with chemsex	Receptive anal sex ~	Univariable Logistic Regression	465.801	475.16	8.868	0.262
	Insertive anal sex	Multivariable Logistic Regression	470.933	-4803.911		
SDU with	Insertive anal sex ~	Univariable Logistic Regression	466.36	475.719	8.175	0.317

chemsex	French kissing	Multivariable Logistic Regression	472.185	-4802.659		
SDU with chemsex	Insertive anal sex ~	Univariable Logistic Regression	466.974	476.333	7.437	0.385
	Self-masturbated	Multivariable Logistic Regression	473.537	-4801.308		
SDU with chemsex	Insertive anal sex ~	Univariable Logistic Regression	468.583	477.942	7.457	0.383
	Masturbated for a man	Multivariable Logistic Regression	475.126	-4799.718		
SDU with chemsex	Insertive anal sex ~	Univariable Logistic Regression	468.52	477.879	7.447	0.384
	Masturbated by a man	Multivariable Logistic Regression	475.073	-4799.772		
SDU with chemsex	Insertive anal sex ~	Univariable Logistic Regression	467.555	476.915	7.486	0.38
	Receptive oral sex	Multivariable Logistic Regression	474.07	-4800.775		
SDU with chemsex	Insertive anal sex ~	Univariable Logistic Regression	467.874	477.233	7.259	0.402
	Insertive oral sex	Multivariable Logistic Regression	474.615	-4800.229		
SDU with chemsex	Insertive anal sex ~	Univariable Logistic Regression	467.695	477.054	7.285	0.4
	Receptive rimming	Multivariable Logistic Regression	474.409	-4800.435		
SDU with chemsex	Insertive anal sex ~	Univariable Logistic Regression	468.412	477.771	7.457	0.383
	Insertive rimming	Multivariable Logistic Regression	474.954	-4799.89		
SDU with chemsex	Insertive anal sex ~	Univariable Logistic Regression	468.508	477.867	7.449	0.384
	Receptive anal sex	Multivariable Logistic Regression	475.059	-4799.785		
SDU without chemsex	French kissing ~	Univariable Logistic Regression	793.986	803.345	5.216	0.634

	Self-masturbated	Multivariable Logistic Regression	802.77	-4472.075		
SDU without chemsex	French kissing ~	Univariable Logistic Regression	794.237	803.596	5.407	0.61
	Masturbated for a man	Multivariable Logistic Regression	802.83	-4472.014		
SDU without chemsex	French kissing ~	Univariable Logistic Regression	793.476	802.835	5.507	0.598
	Masturbated by a man	Multivariable Logistic Regression	801.969	-4472.875		
SDU without chemsex	French kissing ~	Univariable Logistic Regression	791.101	800.46	5.406	0.61
	Receptive oral sex	Multivariable Logistic Regression	799.695	-4475.15		
SDU without chemsex	French kissing ~	Univariable Logistic Regression	793.264	802.623	5.155	0.641
	Insertive oral sex	Multivariable Logistic Regression	802.109	-4472.736		
SDU without chemsex	French kissing ~	Univariable Logistic Regression	794.206	803.565	5.541	0.594
	Receptive rimming	Multivariable Logistic Regression	802.665	-4472.18		
SDU without chemsex	French kissing ~	Univariable Logistic Regression	794.206	803.565	5.464	0.604
	Insertive rimming	Multivariable Logistic Regression	802.742	-4472.103		
SDU without chemsex	French kissing ~	Univariable Logistic Regression	793.596	802.955	5.345	0.618
	Receptive anal sex	Multivariable Logistic Regression	802.251	-4472.594		
SDU without chemsex	French kissing ~	Univariable Logistic Regression	792.832	802.192	5.414	0.61
	Insertive anal sex	Multivariable Logistic Regression	801.418	-4473.426		
SDU without chemsex	Self-masturbated ~	Univariable Logistic Regression	794.401	803.76	5.372	0.615
	French kissing	Multivariable Logistic Regression	803.029	-4471.816		

SDU without chemsex	Self-masturbated ~	Univariable Logistic Regression	794.462	803.821	5.458	0.604
	Masturbated for a man	Multivariable Logistic Regression	803.004	-4471.841		
SDU without chemsex	Self-masturbated ~	Univariable Logistic Regression	793.904	803.263	5.589	0.588
	Masturbated by a man	Multivariable Logistic Regression	802.315	-4472.53		
SDU without chemsex	Self-masturbated ~	Univariable Logistic Regression	793.918	803.277	5.393	0.612
	Receptive oral sex	Multivariable Logistic Regression	802.525	-4472.319		
SDU without chemsex	Self-masturbated ~	Univariable Logistic Regression	788.29	797.649	5.084	0.65
	Insertive oral sex	Multivariable Logistic Regression	797.206	-4477.638		
SDU without chemsex	Self-masturbated ~	Univariable Logistic Regression	793.182	802.541	5.244	0.63
	Receptive rimming	Multivariable Logistic Regression	801.938	-4472.906		
SDU without chemsex	Self-masturbated ~	Univariable Logistic Regression	792.298	801.657	5.45	0.605
	Insertive rimming	Multivariable Logistic Regression	800.848	-4473.996		
SDU without chemsex	Self-masturbated ~	Univariable Logistic Regression	788.738	798.097	5.817	0.561
	Receptive anal sex	Multivariable Logistic Regression	796.921	-4477.924		
SDU without chemsex	Self-masturbated ~	Univariable Logistic Regression	791.116	800.475	5.437	0.607
	Insertive anal sex	Multivariable Logistic Regression	799.679	-4475.165		
SDU without chemsex	Masturbated for a man ~	Univariable Logistic Regression	794.07	803.429	5.376	0.614
	French kissing	Multivariable Logistic Regression	802.694	-4472.151		
SDU without	Masturbated for a man ~	Univariable Logistic Regression	794.298	803.657	5.375	0.614

chemsex	Self-masturbated	Multivariable Logistic Regression	802.923	-4471.922		
SDU without chemsex	Masturbated for a man ~	Univariable Logistic Regression	793.403	802.762	5.636	0.583
	Masturbated by a man	Multivariable Logistic Regression	801.767	-4473.077		
SDU without chemsex	Masturbated for a man ~	Univariable Logistic Regression	793.898	803.257	5.52	0.597
	Receptive oral sex	Multivariable Logistic Regression	802.378	-4472.467		
SDU without chemsex	Masturbated for a man ~	Univariable Logistic Regression	794.372	803.731	5.337	0.619
	Insertive oral sex	Multivariable Logistic Regression	803.035	-4471.809		
SDU without chemsex	Masturbated for a man ~	Univariable Logistic Regression	793.885	803.244	5.381	0.614
	Receptive rimming	Multivariable Logistic Regression	802.504	-4472.341		
SDU without chemsex	Masturbated for a man ~	Univariable Logistic Regression	793.182	802.541	5.138	0.643
	Insertive rimming	Multivariable Logistic Regression	802.044	-4472.8		
SDU without chemsex	Masturbated for a man ~	Univariable Logistic Regression	792.422	801.781	5.274	0.627
	Receptive anal sex	Multivariable Logistic Regression	801.147	-4473.697		
SDU without chemsex	Masturbated for a man ~	Univariable Logistic Regression	789.185	798.544	5.06	0.653
	Insertive anal sex	Multivariable Logistic Regression	798.125	-4476.719		
SDU without chemsex	Masturbated by a man ~	Univariable Logistic Regression	794.25	803.609	5.576	0.59
	French kissing	Multivariable Logistic Regression	802.674	-4472.171		
SDU without chemsex	Masturbated by a man ~	Univariable Logistic Regression	793.486	802.845	5.632	0.583

	Self-masturbated	Multivariable Logistic Regression	801.854	-4472.991		
SDU without chemsex	Masturbated by a man ~	Univariable Logistic Regression	791.579	800.938	4.883	0.674
	Masturbated for a man	Multivariable Logistic Regression	800.696	-4474.149		
SDU without chemsex	Masturbated by a man ~	Univariable Logistic Regression	790.568	799.927	6.018	0.538
	Receptive oral sex	Multivariable Logistic Regression	798.55	-4476.295		
SDU without chemsex	Masturbated by a man ~	Univariable Logistic Regression	794.38	803.74	5.427	0.608
	Insertive oral sex	Multivariable Logistic Regression	802.954	-4471.891		
SDU without chemsex	Masturbated by a man ~	Univariable Logistic Regression	794.015	803.374	5.441	0.606
	Receptive rimming	Multivariable Logistic Regression	802.574	-4472.271		
SDU without chemsex	Masturbated by a man ~	Univariable Logistic Regression	793.623	802.982	5.303	0.623
	Insertive rimming	Multivariable Logistic Regression	802.32	-4472.525		
SDU without chemsex	Masturbated by a man ~	Univariable Logistic Regression	793.925	803.284	5.388	0.613
	Receptive anal sex	Multivariable Logistic Regression	802.537	-4472.307		
SDU without chemsex	Masturbated by a man ~	Univariable Logistic Regression	794.501	803.86	5.383	0.613
	Insertive anal sex	Multivariable Logistic Regression	803.118	-4471.726		
SDU without chemsex	Receptive oral sex ~	Univariable Logistic Regression	791.772	801.131	5.396	0.612
	French kissing	Multivariable Logistic Regression	800.376	-4474.469		
SDU without chemsex	Receptive oral sex ~	Univariable Logistic Regression	792.109	801.468	5.36	0.616
	Self-masturbated	Multivariable Logistic Regression	800.75	-4474.095		

SDU without chemsex	Receptive oral sex ~	Univariable Logistic Regression	793.688	803.047	5.692	0.576
	Masturbated for a man	Multivariable Logistic Regression	801.997	-4472.848		
SDU without chemsex	Receptive oral sex ~	Univariable Logistic Regression	792.438	801.797	5.386	0.613
	Masturbated by a man	Multivariable Logistic Regression	801.053	-4473.792		
SDU without chemsex	Receptive oral sex ~	Univariable Logistic Regression	794.01	803.369	5.365	0.616
	Insertive oral sex	Multivariable Logistic Regression	802.644	-4472.2		
SDU without chemsex	Receptive oral sex ~	Univariable Logistic Regression	794.487	803.846	5.429	0.608
	Receptive rimming	Multivariable Logistic Regression	803.058	-4471.787		
SDU without chemsex	Receptive oral sex ~	Univariable Logistic Regression	793.797	803.156	5.567	0.591
	Insertive rimming	Multivariable Logistic Regression	802.23	-4472.614		
SDU without chemsex	Receptive oral sex ~	Univariable Logistic Regression	794.372	803.731	5.309	0.622
	Receptive anal sex	Multivariable Logistic Regression	803.063	-4471.782		
SDU without chemsex	Receptive oral sex ~	Univariable Logistic Regression	786.18	795.539	5.047	0.654
	Insertive anal sex	Multivariable Logistic Regression	795.133	-4479.712		
SDU without chemsex	Insertive oral sex ~	Univariable Logistic Regression	790.429	799.788	5.28	0.626
	French kissing	Multivariable Logistic Regression	799.149	-4475.696		
SDU without chemsex	Insertive oral sex ~	Univariable Logistic Regression	793.553	802.912	5.357	0.616
	Self-masturbated	Multivariable Logistic Regression	802.196	-4472.648		
SDU without	Insertive oral sex ~	Univariable Logistic Regression	790.894	800.253	5.194	0.636

chemsex	Masturbated for a man	Multivariable Logistic Regression	799.7	-4475.145		
SDU without chemsex	Insertive oral sex ~	Univariable Logistic Regression	794.499	803.858	5.373	0.615
	Masturbated by a man	Multivariable Logistic Regression	803.126	-4471.718		
SDU without chemsex	Insertive oral sex ~	Univariable Logistic Regression	794.379	803.739	5.274	0.627
	Receptive oral sex	Multivariable Logistic Regression	803.105	-4471.74		
SDU without chemsex	Insertive oral sex ~	Univariable Logistic Regression	794.468	803.827	5.347	0.618
	Receptive rimming	Multivariable Logistic Regression	803.121	-4471.723		
SDU without chemsex	Insertive oral sex ~	Univariable Logistic Regression	790.299	799.658	4.895	0.673
	Insertive rimming	Multivariable Logistic Regression	799.404	-4475.441		
SDU without chemsex	Insertive oral sex ~	Univariable Logistic Regression	794.424	803.783	5.403	0.611
	Receptive anal sex	Multivariable Logistic Regression	803.021	-4471.824		
SDU without chemsex	Insertive oral sex ~	Univariable Logistic Regression	794.147	803.507	5.364	0.616
	Insertive anal sex	Multivariable Logistic Regression	802.784	-4472.061		
SDU without chemsex	Receptive rimming ~	Univariable Logistic Regression	792.74	802.1	5.255	0.629
	French kissing	Multivariable Logistic Regression	801.485	-4473.36		
SDU without chemsex	Receptive rimming ~	Univariable Logistic Regression	794.466	803.825	5.367	0.615
	Self-masturbated	Multivariable Logistic Regression	803.099	-4471.746		
SDU without chemsex	Receptive rimming ~	Univariable Logistic Regression	791.373	800.732	5.231	0.632

	Masturbated for a man	Multivariable Logistic Regression	800.142	-4474.702		
SDU without chemsex	Receptive rimming ~	Univariable Logistic Regression	794.486	803.845	5.359	0.616
	Masturbated by a man	Multivariable Logistic Regression	803.126	-4471.718		
SDU without chemsex	Receptive rimming ~	Univariable Logistic Regression	791.855	801.215	5.386	0.613
	Receptive oral sex	Multivariable Logistic Regression	800.469	-4474.375		
SDU without chemsex	Receptive rimming ~	Univariable Logistic Regression	793.719	803.078	5.266	0.628
	Insertive oral sex	Multivariable Logistic Regression	802.453	-4472.391		
SDU without chemsex	Receptive rimming ~	Univariable Logistic Regression	794.194	803.553	5.342	0.618
	Insertive rimming	Multivariable Logistic Regression	802.853	-4471.992		
SDU without chemsex	Receptive rimming ~	Univariable Logistic Regression	793.688	803.048	5.384	0.613
	Receptive anal sex	Multivariable Logistic Regression	802.304	-4472.54		
SDU without chemsex	Receptive rimming ~	Univariable Logistic Regression	794.337	803.697	5.423	0.608
	Insertive anal sex	Multivariable Logistic Regression	802.914	-4471.93		
SDU without chemsex	Insertive rimming ~	Univariable Logistic Regression	794.063	803.422	5.333	0.619
	French kissing	Multivariable Logistic Regression	802.73	-4472.115		
SDU without chemsex	Insertive rimming ~	Univariable Logistic Regression	793.182	802.541	5.216	0.634
	Self-masturbated	Multivariable Logistic Regression	801.966	-4472.879		
SDU without chemsex	Insertive rimming ~	Univariable Logistic Regression	792.74	802.1	5.258	0.629
	Masturbated for a man	Multivariable Logistic Regression	801.483	-4473.362		

SDU without chemsex	Insertive rimming ~	Univariable Logistic Regression	793.885	803.244	5.538	0.595
	Masturbated by a man	Multivariable Logistic Regression	802.346	-4472.498		
SDU without chemsex	Insertive rimming ~	Univariable Logistic Regression	794.195	803.554	5.52	0.597
	Receptive oral sex	Multivariable Logistic Regression	802.675	-4472.169		
SDU without chemsex	Insertive rimming ~	Univariable Logistic Regression	794.436	803.795	5.44	0.606
	Insertive oral sex	Multivariable Logistic Regression	802.996	-4471.848		
SDU without chemsex	Insertive rimming ~	Univariable Logistic Regression	794.215	803.575	5.343	0.618
	Receptive rimming	Multivariable Logistic Regression	802.872	-4471.973		
SDU without chemsex	Insertive rimming ~	Univariable Logistic Regression	793.216	802.576	5.263	0.628
	Receptive anal sex	Multivariable Logistic Regression	801.954	-4472.891		
SDU without chemsex	Insertive rimming ~	Univariable Logistic Regression	792.305	801.665	5.499	0.599
	Insertive anal sex	Multivariable Logistic Regression	800.807	-4474.038		
SDU without chemsex	Receptive anal sex ~	Univariable Logistic Regression	793.796	803.155	5.314	0.622
	French kissing	Multivariable Logistic Regression	802.481	-4472.363		
SDU without chemsex	Receptive anal sex ~	Univariable Logistic Regression	790.588	799.947	4.974	0.663
	Self-masturbated	Multivariable Logistic Regression	799.614	-4475.23		
SDU without chemsex	Receptive anal sex ~	Univariable Logistic Regression	792.291	801.65	6.024	0.537
	Masturbated for a man	Multivariable Logistic Regression	800.267	-4474.577		
SDU without	Receptive anal sex ~	Univariable Logistic Regression	794.481	803.841	5.398	0.612

chemsex	Masturbated by a man	Multivariable Logistic Regression	803.084	-4471.761		
SDU without chemsex	Receptive anal sex ~	Univariable Logistic Regression	793.553	802.912	5.604	0.587
	Receptive oral sex	Multivariable Logistic Regression	801.949	-4472.895		
SDU without chemsex	Receptive anal sex ~	Univariable Logistic Regression	794.436	803.795	5.331	0.62
	Insertive oral sex	Multivariable Logistic Regression	803.106	-4471.739		
SDU without chemsex	Receptive anal sex ~	Univariable Logistic Regression	793.623	802.982	5.273	0.627
	Receptive rimming	Multivariable Logistic Regression	802.35	-4472.495		
SDU without chemsex	Receptive anal sex ~	Univariable Logistic Regression	794.36	803.719	5.361	0.616
	Insertive rimming	Multivariable Logistic Regression	803	-4471.845		
SDU without chemsex	Receptive anal sex ~	Univariable Logistic Regression	793.93	803.29	5.378	0.614
	Insertive anal sex	Multivariable Logistic Regression	802.552	-4472.292		
SDU without chemsex	Insertive anal sex ~	Univariable Logistic Regression	788.29	797.649	4.986	0.662
	French kissing	Multivariable Logistic Regression	797.304	-4477.54		
SDU without chemsex	Insertive anal sex ~	Univariable Logistic Regression	794.468	803.827	5.383	0.613
	Self-masturbated	Multivariable Logistic Regression	803.085	-4471.76		
SDU without chemsex	Insertive anal sex ~	Univariable Logistic Regression	794.471	803.83	5.383	0.613
	Masturbated for a man	Multivariable Logistic Regression	803.088	-4471.756		
SDU without chemsex	Insertive anal sex ~	Univariable Logistic Regression	793.572	802.931	5.379	0.614

	Masturbated by a man	Multivariable Logistic Regression	802.192	-4472.652		
SDU without chemsex	Insertive anal sex ~	Univariable Logistic Regression	793.553	802.912	5.444	0.606
	Receptive oral sex	Multivariable Logistic Regression	802.109	-4472.735		
SDU without chemsex	Insertive anal sex ~	Univariable Logistic Regression	793.736	803.095	5.366	0.615
	Insertive oral sex	Multivariable Logistic Regression	802.369	-4472.475		
SDU without chemsex	Insertive anal sex ~	Univariable Logistic Regression	794.475	803.834	5.391	0.612
	Receptive rimming	Multivariable Logistic Regression	803.084	-4471.761		
SDU without chemsex	Insertive anal sex ~	Univariable Logistic Regression	794.063	803.422	5.366	0.615
	Insertive rimming	Multivariable Logistic Regression	802.697	-4472.148		
SDU without chemsex	Insertive anal sex ~	Univariable Logistic Regression	794.321	803.68	5.339	0.619
	Receptive anal sex	Multivariable Logistic Regression	802.981	-4471.863		

Supplementary Table S4. Statistical Differences in Sexual Acts and Pairs Among Groups

Sexual behaviours	Whether the behaviours occurred	Overall	Neither group (Non-SDU) (n = 571)	SDU with chemsex (n = 68)	SDU without chemsex (n = 157)	X ²	P
Sexual acts							
French kissing	Occurred	649	472(82.7%)	54(79.4%)	123(78.3%)	1.747	0.417
	Not occurred	147	99(17.3%)	14(20.6%)	34(21.7%)		
Self-masturbated	Occurred	183	130(22.8%)	26(38.2%)	27(17.2%)	11.918	0.003**
	Not occurred	613	441(77.2%)	42(61.8%)	130(82.8%)		
Masturbated for a man	Occurred	287	220(38.5%)	26(38.2%)	41(26.1%)	8.385	0.015**
	Not occurred	509	351(61.5%)	42(61.8%)	116(73.9%)		
Masturbated by a man	Occurred	301	210(36.8%)	32(47.1%)	59(37.6%)	2.736	0.255
	Not occurred	495	361(63.2%)	36(52.9%)	98(62.4%)		
Receptive oral sex	Occurred	552	390(68.3%)	51(75.0%)	111(70.7%)	1.451	0.484
	Not occurred	244	181(31.7%)	17(25.0%)	46(29.3%)		
Insertive oral sex	Occurred	464	331(58.0%)	37(54.4%)	96(61.1%)	0.972	0.615
	Not occurred	332	240(42.0%)	31(45.6%)	61(38.9%)		
Receptive rimming	Occurred	211	149(26.1%)	24(35.3%)	38(24.2%)	3.173	0.205
	Not occurred	585	422(73.9%)	44(64.7%)	119(75.8%)		
Insertive rimming	Occurred	123	93(16.3%)	10(14.7%)	20(12.7%)	1.218	0.544
	Not occurred	673	478(83.7%)	58(85.3%)	137(87.3%)		
Receptive anal sex	Occurred	362	261(45.7%)	36(52.9%)	65(41.4%)	2.592	0.274
	Not occurred	434	310(54.3%)	32(47.1%)	92(58.6%)		

	Occurred	372	273(47.8%)	32(47.1%)	67(42.7%)	1.308	0.52
Insertive anal sex	Not occurred	424	298(52.2%)	36(52.9%)	90(57.3%)		

Sexual act pairs

French kissing ~ Self-masturbated	46	30(5.25%)	5(7.35%)	11(7.01%)	1.033	0.597
French kissing ~ Masturbated for a man	85	62(10.86%)	8(11.76%)	15(9.55%)	0.312	0.856
French kissing ~ Masturbated by a man	88	60(10.51%)	7(10.29%)	21(13.38%)	1.074	0.585
French kissing ~ Receptive oral sex	221	147(25.74%)	21(30.88%)	53(33.76%)	4.304	0.116
French kissing ~ Insertive oral sex	162	127(22.24%)	8(11.76%)	27(17.2%)	5.315	0.07*
French kissing ~ Receptive rimming	8	6(1.05%)	1(1.47%)	1(0.64%)	0.374	0.829
French kissing ~ Insertive rimming	8	6(1.05%)	1(1.47%)	1(0.64%)	0.374	0.829
French kissing ~ Receptive anal sex	24	17(2.98%)	4(5.88%)	3(1.91%)	2.569	0.277
French kissing ~ Insertive anal sex	21	18(3.15%)	1(1.47%)	2(1.27%)	2.086	0.352
Self-masturbated ~ French kissing	16	13(2.28%)	0(0.0%)	3(1.91%)	1.609	0.447
Self-masturbated ~ Masturbated for a man	36	25(4.38%)	4(5.88%)	7(4.46%)	0.32	0.852
Self-masturbated ~ Masturbated by a man	16	12(2.1%)	2(2.94%)	2(1.27%)	0.756	0.685
Self-masturbated ~ Receptive oral sex	28	21(3.68%)	3(4.41%)	4(2.55%)	0.638	0.727
Self-masturbated ~ Insertive oral sex	14	12(2.1%)	2(2.94%)	0(0.0%)	3.749	0.153
Self-masturbated ~ Receptive rimming	2	2(0.35%)	0(0.0%)	0(0.0%)	0.79	0.674
Self-masturbated ~ Insertive rimming	5	4(0.7%)	1(1.47%)	0(0.0%)	1.814	0.404
Self-masturbated ~ Receptive anal sex	12	9(1.58%)	3(4.41%)	0(0.0%)	6.284	0.043**
Self-masturbated ~ Insertive anal sex	3	1(0.18%)	1(1.47%)	1(0.64%)	3.068	0.216
Masturbated for a man ~ French kissing	15	13(2.28%)	0(0.0%)	2(1.27%)	2.098	0.35
Masturbated for a man ~ Self-masturbated	21	15(2.63%)	2(2.94%)	4(2.55%)	0.03	0.985
Masturbated for a man ~ Masturbated by a man	79	55(9.63%)	4(5.88%)	20(12.74%)	2.688	0.261
Masturbated for a man ~ Receptive oral sex	34	26(4.55%)	3(4.41%)	5(3.18%)	0.568	0.753
Masturbated for a man ~ Insertive oral sex	54	36(6.3%)	8(11.76%)	10(6.37%)	2.918	0.233
Masturbated for a man ~ Receptive rimming	6	3(0.53%)	1(1.47%)	2(1.27%)	1.433	0.488
Masturbated for a man ~ Insertive rimming	3	2(0.35%)	1(1.47%)	0(0.0%)	2.771	0.25
Masturbated for a man ~ Receptive anal sex	15	13(2.28%)	1(1.47%)	1(0.64%)	1.86	0.395
Masturbated for a man ~ Insertive anal sex	12	11(1.93%)	1(1.47%)	0(0.0%)	3.079	0.215
Masturbated by a man ~ French kissing	12	8(1.4%)	2(2.94%)	2(1.27%)	1.043	0.594

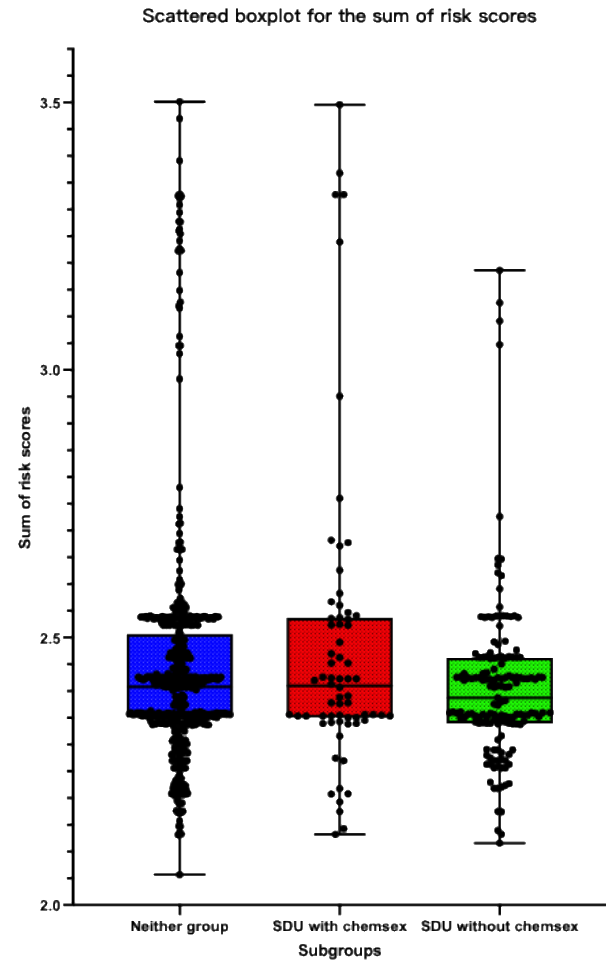
Masturbated by a man ~ Self-masturbated	23 19(3.33%)	1(1.47%)	3(1.91%)	1.414	0.493
Masturbated by a man ~ Masturbated for a man	40 33(5.78%)	3(4.41%)	4(2.55%)	2.753	0.252
Masturbated by a man ~ Receptive oral sex	94 58(10.16%)	10(14.71%)	26(16.56%)	5.447	0.066*
Masturbated by a man ~ Insertive oral sex	46 35(6.13%)	1(1.47%)	10(6.37%)	2.548	0.28
Masturbated by a man ~ Receptive rimming	9 5(0.88%)	3(4.41%)	1(0.64%)	7.223	0.027**
Masturbated by a man ~ Insertive rimming	2 2(0.35%)	0(0.0%)	0(0.0%)	0.79	0.674
Masturbated by a man ~ Receptive anal sex	22 17(2.98%)	2(2.94%)	3(1.91%)	0.53	0.767
Masturbated by a man ~ Insertive anal sex	33 22(3.85%)	4(5.88%)	7(4.46%)	0.678	0.712
Receptive oral sex ~ French kissing	25 21(3.68%)	2(2.94%)	2(1.27%)	2.349	0.309
Receptive oral sex ~ Self-masturbated	16 11(1.93%)	4(5.88%)	1(0.64%)	6.7	0.035**
Receptive oral sex ~ Masturbated for a man	26 18(3.15%)	1(1.47%)	7(4.46%)	1.424	0.491
Receptive oral sex ~ Masturbated by a man	38 30(5.25%)	3(4.41%)	5(3.18%)	1.181	0.554
Receptive oral sex ~ Insertive oral sex	132 95(16.64%)	8(11.76%)	29(18.47%)	1.547	0.461
Receptive oral sex ~ Receptive rimming	99 64(11.21%)	15(22.06%)	20(12.74%)	6.585	0.037**
Receptive oral sex ~ Insertive rimming	31 21(3.68%)	2(2.94%)	8(5.1%)	0.842	0.656
Receptive oral sex ~ Receptive anal sex	54 39(6.83%)	5(7.35%)	10(6.37%)	0.079	0.961
Receptive oral sex ~ Insertive anal sex	121 80(14.01%)	5(7.35%)	36(22.93%)	11.153	0.004**
Insertive oral sex ~ French kissing	21 18(3.15%)	2(2.94%)	1(0.64%)	3.06	0.217
Insertive oral sex ~ Self-masturbated	11 8(1.4%)	2(2.94%)	1(0.64%)	1.854	0.396
Insertive oral sex ~ Masturbated for a man	28 23(4.03%)	3(4.41%)	2(1.27%)	2.927	0.231
Insertive oral sex ~ Masturbated by a man	24 17(2.98%)	2(2.94%)	5(3.18%)	0.02	0.99
Insertive oral sex ~ Receptive oral sex	92 75(13.13%)	1(1.47%)	16(10.19%)	8.445	0.015**
Insertive oral sex ~ Receptive rimming	68 50(8.76%)	4(5.88%)	14(8.92%)	0.678	0.713
Insertive oral sex ~ Insertive rimming	45 35(6.13%)	6(8.82%)	4(2.55%)	4.363	0.113
Insertive oral sex ~ Receptive anal sex	97 71(12.43%)	5(7.35%)	21(13.38%)	1.725	0.422
Insertive oral sex ~ Insertive anal sex	54 42(7.36%)	3(4.41%)	9(5.73%)	1.175	0.556
Receptive rimming ~ French kissing	4 3(0.53%)	1(1.47%)	0(0.0%)	2.073	0.355
Receptive rimming ~ Self-masturbated	6 4(0.7%)	1(1.47%)	1(0.64%)	0.517	0.772
Receptive rimming ~ Masturbated for a man	3 1(0.18%)	0(0.0%)	2(1.27%)	4.241	0.12
Receptive rimming ~ Masturbated by a man	11 8(1.4%)	1(1.47%)	2(1.27%)	0.019	0.991
Receptive rimming ~ Receptive oral sex	6 4(0.7%)	2(2.94%)	0(0.0%)	5.563	0.062*
Receptive rimming ~ Insertive oral sex	17 13(2.28%)	2(2.94%)	2(1.27%)	0.823	0.663

Receptive rimming ~ Insertive rimming	20 13(2.28%)	4(5.88%)	3(1.91%)	3.514	0.173
Receptive rimming ~ Receptive anal sex	83 55(9.63%)	8(11.76%)	20(12.74%)	1.415	0.493
Receptive rimming ~ Insertive anal sex	44 31(5.43%)	5(7.35%)	8(5.1%)	0.501	0.779
Insertive rimming ~ French kissing	1 1(0.18%)	0(0.0%)	0(0.0%)	0.395	0.821
Insertive rimming ~ Self-masturbated	3 3(0.53%)	0(0.0%)	0(0.0%)	1.187	0.552
Insertive rimming ~ Masturbated for a man	4 4(0.7%)	0(0.0%)	0(0.0%)	1.584	0.453
Insertive rimming ~ Masturbated by a man	6 4(0.7%)	0(0.0%)	2(1.27%)	1.106	0.575
Insertive rimming ~ Receptive oral sex	3 1(0.18%)	1(1.47%)	1(0.64%)	3.068	0.216
Insertive rimming ~ Insertive oral sex	4 2(0.35%)	1(1.47%)	1(0.64%)	1.596	0.45
Insertive rimming ~ Receptive rimming	14 10(1.75%)	2(2.94%)	2(1.27%)	0.764	0.682
Insertive rimming ~ Receptive anal sex	26 18(3.15%)	5(7.35%)	3(1.91%)	4.531	0.104
Insertive rimming ~ Insertive anal sex	56 43(7.53%)	6(8.82%)	7(4.46%)	2.141	0.343
Receptive anal sex ~ French kissing	10 9(1.58%)	0(0.0%)	1(0.64%)	1.822	0.402
Receptive anal sex ~ Self-masturbated	29 24(4.2%)	3(4.41%)	2(1.27%)	3.135	0.209
Receptive anal sex ~ Masturbated for a man	21 13(2.28%)	1(1.47%)	7(4.46%)	2.677	0.262
Receptive anal sex ~ Masturbated by a man	19 14(2.45%)	1(1.47%)	4(2.55%)	0.273	0.872
Receptive anal sex ~ Receptive oral sex	11 8(1.4%)	2(2.94%)	1(0.64%)	1.854	0.396
Receptive anal sex ~ Insertive oral sex	4 3(0.53%)	0(0.0%)	1(0.64%)	0.406	0.816
Receptive anal sex ~ Receptive rimming	2 2(0.35%)	0(0.0%)	0(0.0%)	0.79	0.674
Receptive anal sex ~ Insertive rimming	7 5(0.88%)	1(1.47%)	1(0.64%)	0.379	0.828
Receptive anal sex ~ Insertive anal sex	32 23(4.03%)	4(5.88%)	5(3.18%)	0.895	0.639
Insertive anal sex ~ French kissing	14 11(1.93%)	3(4.41%)	0(0.0%)	5.674	0.059*
Insertive anal sex ~ Self-masturbated	9 7(1.23%)	0(0.0%)	2(1.27%)	0.853	0.653
Insertive anal sex ~ Masturbated for a man	20 14(2.45%)	2(2.94%)	4(2.55%)	0.06	0.97
Insertive anal sex ~ Masturbated by a man	9 5(0.88%)	1(1.47%)	3(1.91%)	1.257	0.533
Insertive anal sex ~ Receptive oral sex	11 8(1.4%)	2(2.94%)	1(0.64%)	1.854	0.396
Insertive anal sex ~ Insertive oral sex	3 1(0.18%)	0(0.0%)	2(1.27%)	4.241	0.12
Insertive anal sex ~ Receptive rimming	4 3(0.53%)	0(0.0%)	1(0.64%)	0.406	0.816
Insertive anal sex ~ Insertive rimming	1 1(0.18%)	0(0.0%)	0(0.0%)	0.395	0.821
Insertive anal sex ~ Receptive anal sex	17 14(2.45%)	0(0.0%)	3(1.91%)	1.795	0.408

Note:

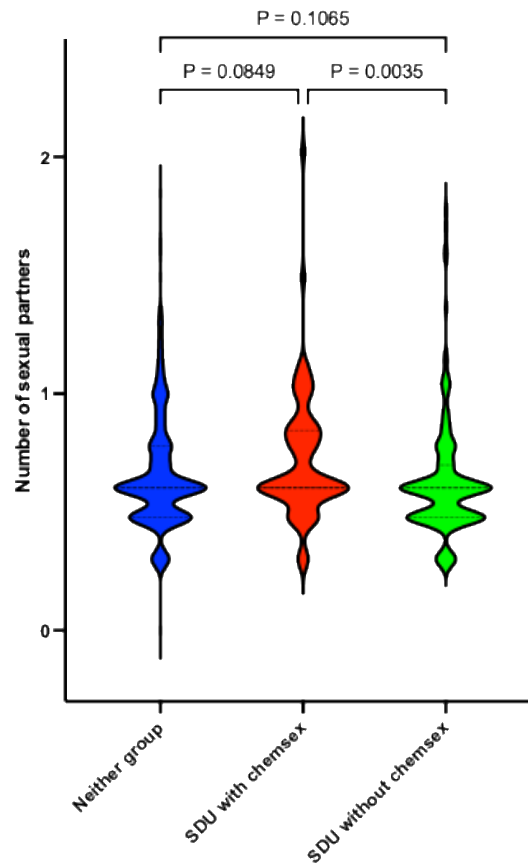
* represent the significance levels of 10%.

**** represent the significance levels of 5%.**



Supplement Figure S1. Scattered boxplot for the sum of risk scores

Statistical of the number of sexual partners (log10)
among substance use groups



Supplement Figure S2. Statistical of the number of sexual partners (log10) among groups