

Supplementary Text:

In US&I subgroup of the 2010 survey, majority of participations were male (97.04%), had low education (71.70%), and had history of prison (81.13%). HIV prevalence ranged from 9.42% in only unsafe sex subgroup to 19.80% in only unsafe injection subgroup.

In US&I subgroup of the 2013 survey, majority of participations also were male (98.85%), had low education (70.77%), and had history of prison (80.69%). Also, the HIV prevalence ranged from 5.26% in only unsafe sex subgroup to 21.82% in only unsafe injection subgroup.

Participants in both the 2010 and 2013 survey, were more male, less married, lower educated in all subgroups. Compare with 2010, using only opioids in past month was reported lower in 2013 of participants in all subgroup, while we observed higher using of both opioids and stimulants in 2013 in all subgroups. Also, the highest prevalence of STD symptoms (18.04%) was reported in US&I subgroup compare with 7.26% in 2010. Majority of participants were from west and north geographic areas of Iran in both surveys.

Table S1. Comparing the characteristics of the UI&S in the people who inject drugs in different subgroups, national survey, Iran, 2013 and 2010, people who injected in past month.

	The PWID national survey 2013				The PWID national survey 2010			
	Safe injection & sex (SI&S)	Only unsafe injection	Only unsafe sex	Unsafe injection & sex (UI&S)	Safe injection & sex (SI&S)	Only unsafe injection	Only unsafe sex	Unsafe injection & sex (UI&S)
	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)	N(%)
Male	280 (98.3)	271 (97.1)	231 (99.1)	257 (98.9)	509 (98.8)	417 (98.6)	281 (97.9)	361 (97.0)
Age (<=30 years old)	52 (18.3)	49 (17.6)	62 (26.6)	74 (28.5)	191 (37.1)	171 (40.4)	124 (43.2)	192 (51.6)
Low education (lower than high-school)	192 (67.6)	202 (72.4)	159 (68.2)	184 (70.8)	362 (70.4)	309 (73.1)	207 (72.4)	266 (71.7)
No source of income	116 (41.0)	95 (34.6)	73 (31.6)	67 (26.3)	191 (38.0)	174 (41.7)	94 (35.6)	148 (40.4)
Currently married (including temporary marriage, i.e. 'Sigheh')	16 (5.6)	14 (5.0)	80 (34.3)	75 (28.9)	73 (14.2)	48 (11.4)	159 (55.4)	158 (42.5)
Prison history (ever)	249 (87.4)	246 (88.2)	179 (76.8)	209 (80.7)	393 (76.6)	362 (85.8)	215 (75.4)	301 (81.1)
Age at first drug use (≤18 years old)	159 (55.8)	150 (53.8)	131 (56.2)	140 (53.9)	271 (52.6)	234 (55.3)	175 (61.0)	216 (58.1)
Drug injection duration (≤10 years)	155 (54.6)	125 (45.0)	129 (56.3)	153 (6)	354 (70.0)	291 (70.5)	210 (73.9)	282 (78.1)
Type of drugs in past month *								
Only opioids	65 (26.1)	49 (19.1)	63 (30.0)	43 (18.5)	416 (83.9)	323 (77.8)	192 (70.1)	249 (70.1)
Only stimulants	20 (8.0)	12 (4.7)	11 (5.2)	20 (8.6)	36 (7.3)	38 (9.2)	38 (13.9)	41 (11.6)
Opioids and stimulants	164 (65.9)	196 (76.3)	136 (64.8)	170 (73.0)	44 (8.9)	54 (13.0)	44 (16.1)	65 (18.3)
Currently on opioids substitute therapy	71 (30.0)	63 (29.6)	80 (37.0)	92 (39.8)	91 (28.1)	63 (23.0)	54 (27.7)	42 (17.3)
STD symptom in past year	6 (2.2)	17 (6.4)	14 (6.1)	46 (18.0)	8 (1.6)	10 (2.4)	15 (5.2)	27 (7.3)
HIV positive	25 (8.9)	60 (21.8)	12 (5.3)	16 (6.3)	81 (16.8)	79 (19.8)	26 (9.4)	47 (13.4)
Geographic areas **								
North	81 (28.4)	79 (28.3)	75 (32.2)	124 (47.7)	150 (29.1)	99 (23.4)	86 (30.0)	111 (29.8)
East	72 (25.3)	17 (6.1)	76 (32.6)	28 (10.8)	68 (13.2)	78 (18.4)	74 (25.8)	96 (25.8)
West	99 (34.7)	163 (58.4)	55 (23.6)	87 (33.5)	210 (40.8)	110 (26.0)	98 (34.2)	80 (21.5)

South	33 (11.6)	20 (7.2)	27 (11.6)	21 (8.1)	87 (16.9)	136 (32.2)	29 (10.1)	85 (22.9)
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* Type of Drug (both injected or non-injected): Stimulant= Shishe, Hashish/grass/Cannabis, Marijuana, Ecstasy, Cocaine, and methamphetamine/crystal
 opioids=Opium, Opium sap, Opium syrup, Heroin, **Norchizak**, Tamchizak, Buprenorphine, Methadone, and Crack

** Geographic areas: East=Kerman, Zahedan, and Mashhad, North=Tehran, and Sari, West=Kermanshah, Tabriz, and Lorestan, South=Shiraz, Ahvaz

Table S2. The prevalence of UI&S in overall and subgroups of people who inject drugs in past month, Iran, 2010

		Safe injection & sex (SI&S)	Only unsafe injection	Only unsafe sex	Unsafe injection & sex (UI&S)
		Percent (CI95%)	Percent (CI95%)	Percent (CI95%)	Percent (CI95%)
Total		32.3(25.2, 40.2)	26.5(22.3, 31.1)	18.0(14.8, 21.6)	23.3(19.0, 28.2)
Gender	Male	32.5(25.4,40.5)	26.6(22.4,31.3)	17.9(14.8,21.5)	23.0(18.7,28.0)
	Female	20.7(9.7,38.8)	20.7(8.0,43.8)	20.7(8.0,44.0)	37.9(14.8,68.3)
Age	>30 years old	35.3(28.2,43.0)	27.4(22.8,32.5)	17.7(14.4,21.7)	19.6(15.8,24.1)
Age (<=30)	≤30 years old	28.2(21.1,36.5)	25.2(21.0,30.0)	18.3(15.1,21.9)	28.3(23.4,33.9)
Education	High school and higher	33.8(24.9,44.0)	25.3(21.0,30.2)	17.6(14.7,20.9)	23.3(18.4,29.1)
	Guidance and lower	31.6(24.9,39.3)	27.0(22.2,32.5)	18.1(14.5,22.4)	23.3(18.9,28.2)
Any income	Yes	31.5(22.1,42.6)	28.7(22.0,36.4)	15.5(12.0,19.7)	24.4(19.4,30.1)
	No	33.1(26.2,40.8)	25.8(21.5,30.5)	18.0(14.8,21.7)	23.1(18.2,28.9)
Currently married (including temporary marriage, i.e. 'Sigheh')	Yes	16.7(11.5,23.6)	11.0(6.1,18.8)	36.3(28.4,45.1)	36.1(29.6,43.1)
	No	38.1(30.2,46.8)	32.4(27.7,37.4)	11.0(9.2,13.3)	18.5(14.7,23.0)
Prison history (ever)	Yes	30.9(24.5,38.2)	28.5(24.6,33.3)	16.9(13.6,20.9)	23.7(19.3,28.7)
	No	37.5(25.6,51.1)	18.8(13.4,25.6)	21.9(16.9,27.8)	21.9(16.5,28.5)
Injection in prison (ever)	Yes	26.9(20.9,33.9)	29.6(21.7,38.9)	19.3(13.8,26.3)	24.3(19.9,29.2)
	No	32.3(24.8,40.9)	28.1(23.9,32.7)	16.3(12.8,20.4)	23.3(18.4,29.0)
Age at first drug use	>18 years	34.8(27.6,42.8)	27.0(23.3,31.0)	16.0(13.6,18.7)	22.3(16.7,29.1)
	≤18 years	30.3(23.1,38.5)	26.1(20.3,32.9)	19.5(15.4,24.4)	24.1(20.3,28.4)
Drug injection duration	>10 years	35.6(27.5,44.6)	28.6(22.2,36.0)	17.3(12.9,22.8)	18.5(13.9,24.2)
	≤10 years	31.1(24.1,39.1)	25.6(21.6,30.0)	18.5(15.5,21.9)	24.8(20.5,29.7)
Type of drugs injected in past month *	Only opioids	35.3[26.9,44.6]	27.4[22.5,32.9]	16.3[13.0,20.1]	21.1[16.3,26.9]
	Only stimulant	23.5[16.2,32.9]	24.8[16.1,36.4]	24.8[14.8,38.6]	26.8[19.7,35.4]
	Opioids and Stimulant	21.3[14.8,29.6]	26.1[19.8,33.5]	21.3[16.5,26.9]	31.4[25.4,38.2]
Currently on opioids substitute	Yes	36.4(29.6,43.9)	25.2(19.5,31.9)	21.6(17.6,26.2)	16.8(12.4,22.4)

therapy	No	29.6(24.1,35.9)	26.8(22.2,32.1)	17.9(13.8,23.1)	25.6(21.6,30.0)
STD symptom in past year	Yes	13.3(7.3,23.0)	16.7(8.9,29.0)	25.0(14.3,40.1)	45.0(33.7,56.9)
	No	33.0(25.8,41.1)	26.7(22.5,31.4)	17.8(14.6,21.4)	22.5(18.3,27.5)

* Type of Drug: Stimulant= Shishe, Hashish/grass/Cannabis, Marijuana, Ecstasy, Cocaine, and methamphetamine/crystal
opiods=Opium, Opium sap, Opium syrup, Heroin, Norchizak, Tamchizak, Buprenorphine, Methadone, and Krack

Table S3. The prevalence of unsafe injection and sex by geographic areas and HIV status of people who inject drugs in the past month, Iran, 2010

		Safe injection & sex (SI&S)	Only unsafe injection	Only unsafe sex	Unsafe injection & sex (UI&S)
		Percent (CI95%)	Percent (CI95%)	Percent (CI95%)	Percent (CI95%)
Geographic areas**	North	33.6(22.4,47.1)	22.2(18.1,26.9)	19.3(11.9,29.7)	24.9(16.0,36.5)
	East	21.5(15.8,28.6)	24.7(18.7,31.8)	23.4(18.1,29.7)	30.4(22.6,39.4)
	West	42.2(29.4,56.1)	22.1(15.4,30.6)	19.7(14.8,25.6)	16.1(11.3,22.3)
	South	25.8(18.6,34.6)	40.4(30.5,51.1)	8.6(6.4,11.5)	25.2(20.9,30.1)
HIV test result	Positive	34.8(26.7,43.8)	33.9(25.0,44.1)	11.2(7.0,17.4)	20.2(14.2,27.9)
	Negative	31.5(23.9,40.7)	25.1(21.1,29.6)	19.6(16.2,23.6)	23.8(19.0,29.4)
HIV positive by four geographic areas	North	28.3(17.3,42.7)	35.9(23.1,51.0)	15.1(10.0,22.2)	20.8(15.2,27.7)
	East	21.1(6.3,51.5)	21.1(8.1,44.8)	21.1(10.6,37.5)	36.8(11.2,73.0)
	West	47.6(34.6,60.8)	24.4(13.9,39.2)	15.9(9.2,26.0)	12.2(7.5,19.2)
	South	29.1(22.0,37.5)	45.6(32.6,59.1)	1.3(0.3,5.7)	24.1(17.3,32.5)
HIV negative by four geographic areas	North	34.3(21.3,50.2)	20.7(16.3,25.9)	19.9(11.5,32.2)	25.1(14.7,39.4)
	East	20.9(14.5,29.1)	24.9(18.4,32.9)	24.5(18.4,31.9)	29.7(22.1,38.5)
	West	40.7(26.5,56.7)	20.4(13.0,30.5)	22.0(16.5,28.7)	16.9(11.8,23.7)
	South	25.0(17.2,34.8)	38.7(29.5,48.7)	10.6(8.6,13.0)	25.8(20.9,31.3)

** Geographic area: East=Kerman, Zahedan, and Mashhad, North=Tehran, and Sari, West=Kermanshah, Tabriz, and Lorestan, South=Shiraz, Ahvaz