

Additional File/Table 1: Comparison of participants who were tested with a TST to participants who were tested with an IGRA (n=189)

	TST (n=92)		IGRA (n=97)		OR	(95% CI)
	n (%) or mean(SD)		n (%) or mean(SD)			
Participant Characteristics						
Mean age at ARCH enrollment, years ^{a,b}	47.8	(9.3)	49.2	(9.6)	0.86	(0.64, 1.15)
Female	30	(32.6)	39	(40.2)	0.72	(0.40, 1.31)
Race/ethnicity						
White	19	(20.7)	19	(19.6)	ref	— —
Black or African American	42	(45.7)	47	(48.5)	0.89	(0.42, 1.91)
Hispanic/Other	31	(33.7)	31	(32.0)	1.00	(0.45, 2.24)
Employed	15	(16.3)	18	(18.6)	0.86	(0.40, 1.82)
Foreign-born	22	(23.9)	14	(14.4)	1.86	(0.89, 3.91)*
Completed high school	57	(62.0)	68	(70.1)	0.69	(0.38, 1.27)
Married/live with partner	18	(19.6)	30	(30.9)	0.54	(0.28, 1.06)*
History of incarceration	49	(53.3)	44	(45.4)	1.37	(0.77, 2.43)
Homeless ^c	31	(33.7)	21	(21.7)	1.84	(0.96, 3.52)*
Number of CDC-defined TB risk factors						
2 risk factors	17	(18.5)	21	(21.7)	ref	— —
3 risk factors	25	(27.2)	30	(30.9)	1.03	(0.45, 2.36)
4 or more	50	(54.4)	46	(47.4)	1.34	(0.63, 2.86)
Substance Use						
Current smoking, n=187	77	(83.7)	76	(80.0)	1.28	(0.61, 2.71)
Lifetime alcohol consumption, kg n=186						
<150	25	(27.5)	33	(34.7)	ref	— —
150-600	28	(30.8)	28	(29.5)	1.32	(0.63, 2.76)
>600	38	(41.8)	34	(35.8)	1.48	(0.74, 2.96)
Lifetime IDU, n=188	51	(55.4)	56	(58.3)	0.89	(0.50, 1.58)
Current IDU ^d	11	(12.0)	8	(8.3)	1.51	(0.58, 3.94)
Currently prescribed methadone or buprenorphine, n=174	16	(19.1)	27	(30.0)	0.55	(0.27, 1.11)*

Current alcohol and drug dependence ^c					
No dependence	13	(14.1)	19	(19.6)	ref — —*
Alcohol dependence only	9	(9.8)	6	(6.2)	2.11 (0.61, 7.36)
Drug dependence only	15	(16.3)	28	(28.9)	0.79 (0.31, 2.02)
Both alcohol and drug dependence	55	(59.8)	44	(45.4)	1.80 (0.80, 4.04)
Alcohol use disorder ^f					
Neither	25	(27.2)	42	(43.3)	ref — —**
Alcohol Abuse	3	(3.3)	5	(5.2)	1.01 (0.22, 4.58)
Alcohol Dependence	64	(69.6)	50	(51.6)	2.15 (1.16, 4.00)
Current alcohol use ^d					
Abstinent	25	(27.2)	39	(40.2)	ref — —
Not Heavy	13	(14.1)	15	(15.5)	1.35 (0.55, 3.31)
Heavy	25	(27.2)	21	(21.7)	1.86 (0.86, 4.00)
Frequent Heavy	29	(31.5)	22	(22.7)	2.06 (0.97, 4.34)
Health Characteristics					
Health insurance ^e					
Medicaid/Masshealth	92	(100)	96	(99.0)	— — —
Medicare	88	(95.7)	93	(95.9)	0.95 (0.23, 3.90)
Diabetes mellitus	49	(53.3)	41	(42.3)	1.56 (0.88, 2.76)
Undetectable HIV viral load ^h , n=188	19	(20.7)	21	(21.7)	0.94 (0.47, 1.89)
Mean length of HIV infection ^{a,i} , years n=185	54	(58.7)	65	(67.7)	0.68 (0.37, 1.23)
Mean length of HIV infection ^{a,i} , years n=185	15.0	(8.3)	16.1	(8.6)	0.94 (0.79, 1.11)
Viral hepatitis (B and/or C)	54	(58.7)	56	(57.7)	1.04 (0.58, 1.86)
Median CD4 count ^j , n=188 (IQR)	614	(310-873)	495	(357-716.5)	1.12 (1.02, 1.23)**
Mean time using ART, years ^{a,i} n=179	11.9	(8.4)	11.9	(8.3)	0.98 (0.82, 1.16)
Current use of ART, n=188	83	(90.2)	81	(84.4)	1.71 (0.71, 4.12)
ART adherence 95% or greater ^k , n=164	46	(55.4)	52	(64.2)	0.69 (0.37, 1.30)

Acronyms: IDU intravenous drug user; ART antiretroviral therapy

^a Due to non-normal data, Wilcoxon rank-sum test was used

^b OR per 10 years change

^c 1+ nights on street or in shelter past 6 months

^d in past 30 days

^e from MINI combined alcohol and drug DSM-IV 12-month dependence

^f from MINI 12-month DSM-IV alcohol dependence/abuse

^g Non-Cumulative

^h 50 copies/mL or less

ⁱ OR per 5 years change

^j OR per 100 copies change

^k Self-report on visual analogue scale

**Test statistic is statistically significant at the 0.05 significance level

*Test statistic is statistically significant at the 0.10 significance level