Differences in facility characteristics between the analytic sample and hospitals missing the outcomes of electronic health record and health information exchange among hospital-based 2017 N-SSATS addiction programs.

Electronic Health Records						
	Analytic Sample (N = 894)		**Missing (N = 130)**		χ^2	p
	N	%	N	%		
Facility Type						
Psychiatric hospital	268	30.0	16	12.3	17.7	<0.001
General hospital	589	65.9	98	75.4	4.6	0.03
Other hospital	37	4.1	16	12.3	15.4	<0.001
Ownership						
For-profit	196	21.9	17	13.1	5.4	0.02
Nonprofit	576	64.4	96	73.9	4.5	0.04
Government[a]	122	13.7	17	13.1	0.0	0.86
Accepts Medicaid[b]	726	81.9	92	71.9	7.3	0.01
Provides addiction Medications[c]	729	81.5	36	27.7	174.2	<0.001
Outpatient Services						
Inpatient	420	47.0	14	10.8	60.9	<0.001
Residential	51	5.7	17	13.1	10.0	<0.001
Intensive/partial outpatient	280	31.3	77	59.2	38.9	<0.001
Regular outpatient	143	16.0	22	16.9	0.1	0.79
Health Information Exchange						
	Analytic Sample (N = 839)		**Missing (N = 185)**		χ^2	p
	N	%	N	%		
NSSATs items						
Facility Type						
Psychiatric hospital	227	27.1	57	30.8	1.1	0.30
General hospital	563	67.1	124	67.0	0.0	0.98
Other hospital	49	5.8	4	2.2	4.2	0.04
Ownership						
For-profit	174	20.1	39	21.1	0.0	0.92
Nonprofit	543	64.7	129	69.7	1.7	0.19
Government[a]	122	14.5	17	9.2	3.7	0.05
Accepts Medicaid[b]	674	81.0	144	79.1	0.3	0.56
Provides addiction Medications[c]	631	75.2	134	72.4	0.62	0.43
Outpatient Services						
Inpatient	351	41.8	83	44.9	0.6	0.45
Residential	56	6.7	12	6.5	0.0	0.93
Intensive/partial outpatient	294	35.0	63	34.1	0.1	0.80
Regular outpatient	138	16.5	27	14.6	0.4	0.54

[a]Includes: state, local/county/community, tribal, or federal government. There were no Veterans Affairs hospitals in sample.
[b]Medicaid payment has 10 missing; therefore, these 10 are missing from the denominator in the percentages shown.
[c]Includes medications for alcohol or opioid use disorder (naltrexone, buprenorphine, methadone, acamprosate, or disulfiram).

Consort diagram explaining patterns of missingness

Unadjusted Analyses Samples for EHR & HIE Use

Hospital respondents with SUD program (N=1,024)

Missing basic EHR outcome measure (N=130, 12.7%)

Missing HIE outcome measure (N=185, 18.1%)

EHR unadjusted analyses sample (N=894)

HIE unadjusted analyses sample (N=839)

Regression Analyses Samples for EHR & HIE Use

Hospital respondents with SUD program (N=1,024)

Sample used to create weights for EHR regression analysis

N=1,014

Missing facility Medicaid information (N=10, 1.0%)

Missing EHR outcome measure (N=128, 12.7%)

Sample used to create weights for HIE regression analysis

Logistic regression EHR analytic sample (N=886)

Missing HIE outcome measure (N=142, 13.9%)

Logistic regression HIE analytic sample (N=742)