

SUPPLEMENTAL MATERIAL

Table S1. Nationwide prevalence of 2014 methamphetamine-associated hospitalizations shown as methamphetamine abuse per 1,000 primary HF hospitalizations and per 1,000 total hospitalizations, separated by the nine different US census divisions.

U.S. Census Division Region	Methamphetamine Abuse per 1,000 HF Hospitalizations	Methamphetamine Abuse per 1,000 all Hospitalizations	<i>Cohen's h</i>
New England	0.3	1.0	0.029
Middle Atlantic	0.1	1.1	0.046
East North Central	0.4	1.7	0.042
West North Central	3.4	9.5	0.079
South Atlantic	1.1	2.4	0.032
East South Central	0.6	2.5	0.051
West South Central	4.3	6.2	0.026
Mountain	18.8	14.2	0.036
Pacific	47.0	22.9	0.133
All USA	7.4	6.4	0.012

HF indicates heart failure.

Table S2. Statistical comparisons of MethHF hospitalizations across different census divisions, p values and h values shown.

P value table

	NE	Mid Atlantic	E N Central	W N Central	S Atlantic	E S Central	W S Central	Mountain	Pacific
NE	-	p=0.286	p=0.742	p=9.39e-08	p=3.19e-03	p=3.58e-01	p=1.09e-15	p=1.97e-32	p=4.73e-220
Mid Atlantic	-	-	p=0.031	p=1.95e-09	p=7.57e-08	p=2.99e-02	p=1.35e-19	p=1.49e-33	p=3.08e-225
E N Central	-	-	-	p=6.75e-08	p=9.20e-04	p=4.36e-01	p=1.47e-16	p=1.79e-32	p=1.29e-221
W N Central	-	-	-	-	p=4e-05	p=1.30e-06	p=2.15e-01	p=5.11e-21	p=2.49e-172
S Atlantic	-	-	-	-	-	p=6.85e-02	p=3.22e-11	p=3.95e-30	p=4.45e-214
E S Central	-	-	-	-	-	-	p=1.50e-13	p=1.69e-31	p=5.60e-217
W S Central	-	-	-	-	-	-	-	p=1.88e-19	p=1.19e-171
Mountain	-	-	-	-	-	-	-	-	p=3.22e-40
Pacific	-	-	-	-	-	-	-	-	-

Cohen's h table

	NE	Mid Atlantic	E N Central	W N Central	S Atlantic	E S Central	W S Central	Mountain	Pacific
NE	-	0.015	0.004	0.08	0.029	0.012	0.094	0.239	0.401
Mid Atlantic	-	-	0.019	0.095	0.044	0.027	0.109	0.254	0.416
E N Central	-	-	-	0.076	0.025	0.008	0.091	0.235	0.397
W N Central	-	-	-	-	0.051	0.068	0.014	0.159	0.321
S Atlantic	-	-	-	-	-	0.017	0.065	0.209	0.372
E S Central	-	-	-	-	-	-	0.082	0.227	0.389
W S Central	-	-	-	-	-	-	-	0.144	0.306
Mountain	-	-	-	-	-	-	-	-	0.162
Pacific	-	-	-	-	-	-	-	-	-

MethHF indicates methamphetamine-associated heart failure; NE, New England.

Table S3. Demographic and clinical characteristics of HF hospitalizations in MethHF patients compared from 2002 to 2014.

	2014		2010		2006		2002	
Total MethHF Admits	6,625		2,300		2,415		547	
Median Age	49 years		47 years		45 years		44 years	
Female Sex	1,380	20.8%	492	21.4%	513	21.2%	110	20.1%
Payer								
Medicare	1,205	18.2%	354	15.4%	261	10.8%	74	13.5%
Medicaid	3,935	59.4%	834	36.3%	870	36.0%	215	39.2%
Private insurance	480	7.2%	246	10.7%	280	11.6%	80	14.7%
Uninsured (self-pay)	795	12.0%	493	21.4%	410	17.0%	80	14.7%
Other	210	3.2%	373	16.2%	594	24.6%	98	17.9%
Location								
Large central metro	2,900	43.8%	980	42.6%	1,270	52.6%	na	na
Large fringe metro	1,050	15.8%	476	20.7%	na	na	na	na
50k-1m	1,995	30.1%	567	24.7%	837	34.6%	na	na
Rural (<50k)	555	8.4%	204	8.9%	191	7.9%	na	na
<i>Other/Missing</i>	125	1.9%	75	3.3%	118	4.9%	na	na
Race								
White	3640	54.9%	1273	55.4%	1178	48.8%	306	55.9%
Black	890	13.4%	289	12.6%	259	10.7%	36	6.6%
Hispanic	1200	18.1%	403	17.5%	328	13.6%	64	11.7%
Asian/Pacific Islander	600	9.1%	135	5.9%	179	7.4%	41	7.4%
Native American	70	1.1%	20	0.9%	26	1.1%	4	0.7%
Other	130	2.0%	48	2.1%	26	1.1%	23	4.2%
Missing	95	1.4%	133	5.8%	420	17.4%	73	13.4%
Medical Comorbidities								
HTN	4,330	65.4%	1292	56.2%	1279	53.0%	172	31.5%
Diabetes	2,050	30.9%	591	25.7%	481	19.9%	67	12.3%
CAD	2,090	31.5%	544	23.7%	622	25.7%	110	20.1%
Disposition								
Left Against Advice	485	7.3%	184	8.0%	174	7.2%	37	6.8%

Weighted NIS data are presented as counts and percentages unless otherwise stated. HF indicates heart failure; MethHF, methamphetamine-associated heart failure; HTN, hypertension; CAD, coronary artery disease.

Figure S1. Nationwide prevalence of 2014 methamphetamine-associated hospitalizations separated by the nine different US census divisions, shown as prevalence per 1,000 all-cause hospitalizations.

Methamphetamine-Associated Hospitalizations, Prevalence per 1,000 All-cause Hospitalizations

