

Online Supplemental Table 1. Sheltered and unsheltered homeless youths counts, 2013-2014

	Years		
	Total	2013	2014
Total			
Persons in Households without Children (Persons ages 18-24)	7,071	3,407	3,664
Persons in Households with at Least One Adult and One Child			
Children Under Age 18	55,434	26,997	28,437
Persons age 18 to 24	9,833	4,889	4,944
Persons in Households with Only Children ^a	107,973	35,588	72,385
Sheltered			
Persons in Households without Children (Persons ages 18-24)	6,585	3,177	3,408
Persons in Households with at Least One Adult and One Child			
Children Under Age 18	55,319	26,920	28,399
Persons age 18 to 24	9,803	4,870	4,933
Persons in Households with Only Children ^a	107,923	35,547	72,376
Unsheltered			
Persons in Households without Children (Persons ages 18-24)	486	230	256
Persons in Households with at Least One Adult and One Child			
Children Under Age 18	115	77	38
Persons age 18 to 24	30	19	11
Persons in Households with Only Children ^a	50	41	9

^a This category includes: persons under age 18, including children in one-child households, adolescent parents and their children, adolescent siblings, or other household configurations composed only of children

Information sources: 1) Department of Housing and Urban Development. HUD's continuum of care homeless assistance programs: homeless populations and subpopulations. 2013. 2) Department of Housing and Urban Development. HUD's continuum of care homeless assistance programs: homeless populations and subpopulations. 2014.

Online Supplemental Table 2. Clinical Classifications Software (CCS) Codes

CCS code	Description
650	Adjustment disorders, e.g., post-traumatic stress disorder
651	Anxiety disorders
652	Attention-deficit, conduct, and disruptive behavior disorders, e.g., suicide and self-harm
655	Disorders usually diagnosed in infancy, childhood, or adolescence
656	Impulse control disorders
657	Mood disorders
658	Personality disorders
659	Schizophrenia and other psychotic disorders
662	Suicide and intentional self-inflicted injury
663	Screening and history of mental health and substance abuse codes
670	Miscellaneous disorders

Online Supplemental Table 3. Results from stratified regression model^a to evaluate the association between homelessness and ICU utilization

	With opioid use			Other substance		
	Estimate	95%CI	<i>p-value</i>	Estimate	95%CI	<i>p-value</i>
ICU utilization^{b,c}						
Homeless (reference: Non-homeless)	2.47	0.98 6.23	.06	7.17	3.79 13.59	<.01

^aModel was adjusted by age, race/ethnicity, insurance type, and mental health diagnosis, with fixed year effect and a hospital or ED random effect

^bLogistic regression model used

^cDischarge against medical advice was added to the model as a covariate

Online Supplemental Table 4. Results from regression models^a to evaluate the association between homelessness and outcomes among youths <18 years old with substance-related health care utilization

Variable	Estimate	95% CI	p
Homeless opioid-related utilization ^b	1.08	.29–4.00	.9
Homeless total cost ^{c,d}	6.75	5.50–38.28	<.01
Homeless length of stay ^{d,e}	15.44	9.83–24.26	<.01
Homeless intensive care unit utilization ^{b,c}	35.84	9.64–133.22	<.01
Homeless readmission or ED revisit ^{b,c,f}	1.36	.31–5.85	.7

^aReference group for all comparisons: nonhomeless. Models were adjusted by age, race-ethnicity, insurance type, and mental disorder diagnosis, with year fixed effect and a hospital or emergency department (ED) random effect.

^bLogistic regression models were used.

^cDischarged against medical advice was added to the model as a covariate

^dLinear regression was used after log-transformation of cost.

^eNegative binomial regression was used.

^fOnly patients who had personal identifiers were included in the model.