

**eTable 1.** Primary reasons for ADE readmission within 30 days of hospital discharge.

Primary Reason for Readmission (ICD-9 code : description)	n (%) <sup>a</sup>
965.09 : Poisoning by other opiates and related narcotics	491 (19.8)
693.0 : Dermatitis due to drugs and medicines taken internally	361 (14.6)
969.4 : Poisoning by benzodiazepine-based tranquilizers	256 (10.4)
962.3 : Poisoning by insulins and antidiabetic agents	218 (8.8)
967.9 : Poisoning by unspecified sedative or hypnotic	136 (5.5)
977.9 : Poisoning by unspecified drug or medicinal substance	86 (3.5)
964.2 : Poisoning by anticoagulants	86 (3.5)
965.02 : Poisoning by methadone	67 (2.7)
965.8 : Poisoning by other specified analgesics and antipyretics	66 (2.7)
977.8 : Poisoning by other specified drugs and medicinal substances	65 (2.6)
965.4 : Poisoning by aromatic analgesics, not elsewhere classified	64 (2.6)
972.6 : Poisoning by other antihypertensive agents	62 (2.5)
966.3 : Poisoning by other and unspecified anticonvulsants	60 (2.4)
967.8 : Poisoning by other sedatives and hypnotics	56 (2.3)
975.2 : Poisoning by skeletal muscle relaxants	42 (1.7)
969.3 : Poisoning by other antipsychotics, neuroleptics, and major tranquilizers	38 (1.5)
970.1 : Poisoning by opiate antagonists	25 (1.0)
966.1 : Poisoning by hydantoin derivatives	25 (1.0)
968.0 : Poisoning by central nervous system muscle-tone depressants	19 (0.8)
974.4 : Poisoning by other diuretics	18 (0.7)
969.8 : Poisoning by other specified psychotropic agents	17 (0.7)
972.1 : Poisoning by cardiotonic glycosides and drugs of similar action	16 (0.7)
971.3 : Poisoning by sympatholytics [antiadrenergics]	14 (0.6)
965.1 : Poisoning by salicylates	14 (0.6)
357.6 : Polyneuropathy due to drugs	14 (0.6)
967.0 : Poisoning by barbiturates	13 (0.5)
963.0 : Poisoning by antiallergic and antiemetic drugs	12 (0.5)

Abbreviations: ADE, adverse drug event; ICD-9, International Classification of Diseases, Ninth Revision.

<sup>a</sup>Values  $\leq 10$  suppressed to minimize risk of individual identification.

**eTable 2.** Odds of ADE readmission within 30 days of hospital discharge according to demographic, clinical, and care setting characteristics.

Characteristic	OR	AOR <sup>a</sup>
<b>Age</b>		
< 40	Reference	Reference
40-49	2.51 (1.90 - 3.31)***	1.47 (1.07 - 2.01)*
50-59	3.82 (3.05 - 4.79)***	1.83 (1.39 - 2.42)***
60-69	3.11 (2.42 - 4.00)***	1.15 (0.83 - 1.61)
70-79	2.21 (1.68 - 2.89)***	0.63 (0.44 - 0.91)*
80-89	1.61 (1.16 - 2.25)**	0.43 (0.29 - 0.64)***
90+	1.22 (0.80 - 1.88)	0.32 (0.20 - 0.53)***
<b>Sex</b>		
Female	Reference	Reference
Male	1.25 (1.08 - 1.45)**	0.97 (0.84 - 1.13)
<b>Primary payer</b>		
Private insurance	Reference	Reference
Medicare	2.63 (2.17 - 3.20)***	2.47 (1.96 - 3.12)***
Medicaid	2.47 (1.93 - 3.17)***	2.34 (1.82 - 3.00)***
Other	1.38 (0.99 - 1.94)	1.25 (0.89 - 1.75)
Missing	n/a	n/a
<b>Median household income</b>		
\$66,000+	Reference	Reference
\$51,000 - \$65,999	1.00 (0.81 - 1.22)	0.91 (0.74 - 1.11)
\$40,000 - \$50,999	1.28 (1.04 - 1.56)*	1.09 (0.90 - 1.33)
\$1 - \$39,999	1.29 (1.05 - 1.57)*	0.97 (0.79 - 1.19)
Missing	n/a	n/a
<b>Length of stay</b>		
0 - 7 days	Reference	Reference
> 7 days	1.76 (1.50 - 2.08)***	1.04 (0.87 - 1.24)
<b>Discharge disposition</b>		
Routine (including home)	Reference	Reference
Transfer: short-term hospital	0.75 (0.33 - 1.71)	0.62 (0.27 - 1.43)
Transfer: other type of facility <sup>b</sup>	1.36 (1.14 - 1.63)***	1.10 (0.90 - 1.35)
Home health care	2.18 (1.85 - 2.56)***	1.71 (1.42 - 2.05)***
Against medical advice	2.45 (1.64 - 3.64)***	1.74 (1.15 - 2.62)**
Discharged alive, destination unknown	3.04 (0.77 - 12.03)	2.54 (0.65 - 9.94)
<b>Comorbidities</b>		
0-2	Reference	Reference
3-4	3.32 (2.78 - 3.95)***	2.91 (2.33 - 3.62)***
5-6	4.56 (3.75 - 5.55)***	3.85 (3.01 - 4.93)***
7+	5.69 (4.62 - 7.00)***	4.73 (3.63 - 6.17)***

Bed size of hospital <sup>c</sup>		
Small	Reference	Reference
Medium	1.08 (0.85 - 1.37)	1.06 (0.85 - 1.34)
Large	1.32 (1.06 - 1.65)*	1.27 (1.03 - 1.57)*
Control/ownership of hospital		
Government, non-federal (public)	Reference	Reference
Private, not-for-profit (voluntary)	1.03 (0.83 - 1.27)	1.02 (0.83 - 1.25)
Private, investor-owned (proprietary)	1.17 (0.92 - 1.49)	1.18 (0.93 - 1.49)
Teaching status of hospital		
Metropolitan teaching	Reference	Reference
Metropolitan non-teaching	0.98 (0.84 - 1.15)	0.97 (0.83 - 1.13)
Non-metropolitan	0.64 (0.48 - 0.84)**	0.63 (0.48 - 0.84)**

Abbreviations: ADE, adverse drug event; AOR, adjusted odds ratio; OR, odds ratio.

<sup>a</sup>Adjusted for all factors listed in table.

<sup>b</sup>Includes skilled nursing facilities and intermediate care facilities.

<sup>c</sup>Reported categories are based on number hospital beds, which are specific to hospital location and teaching status. Classification details are available on the HCUP website (<https://www.hcup-us.ahrq.gov>).

\*\*\*p<0.001; \*\*p<0.01; \*p < 0.05