

HCUP Summary Statistics Report: NEDS 2016 Core File
Means of Continuous Data Elements

Variable / Label	N	N Miss	Min	Max	Mean	Std Dev
AGE : Age in years at admission	32,677,936	2,296	0.00	90.00	39.87	24.43
AMONTH : Admission month	29,085,319	3,594,913	1.00	12.00	6.46	3.44
AWEEKEND : Admission day is a weekend	32,680,081	151	0.00	1.00	0.28	0.45
DIED_VISIT : Died in the ED (1), Died in the hospital (2), did not die (0)	32,628,483	51,749	0.00	2.00	0.01	0.12
DISCWT : Weight to ED Visits in AHA universe	32,680,232	0	1.01	14.51	4.43	0.91
DISP_ED : Disposition of patient (uniform) from ED	32,680,232	0	1.00	99.00	2.40	4.72
DQTR : Discharge quarter	32,659,010	21,222	1.00	4.00	2.49	1.12
DXVER : Diagnosis Version	32,680,232	0	10.00	10.00	10.00	0.00
EDEVENT : Type of ED Event	32,680,232	0	1.00	99.00	1.32	3.83
FEMALE : Indicator of sex	32,675,306	4,926	0.00	1.00	0.56	0.50
HOSP_ED : HCUP ED hospital identifier	32,680,232	0	10002.00	40594.00	26589.11	10074.03
I10_NDX : ICD-10-CM Number of diagnoses on this record	32,680,232	0	0.00	30.00	4.60	4.83
I10_NECAUSE : ICD-10-CM Number of E Causes on this record	32,680,232	0	0.00	4.00	0.41	0.89
NEDS_STRATUM : Stratum used to sample hospital	32,680,232	0	10100.00	48102.00	27329.53	10157.77
PAY1 : Primary expected payer (uniform)	32,643,763	36,469	1.00	6.00	2.47	1.21
PAY2 : Secondary expected payer (uniform)	8,013,690	24,666,542	1.00	6.00	2.89	1.16
PL_NCHS : Patient Location: NCHS Urban-Rural Code	32,508,695	171,537	1.00	6.00	2.61	1.55
TOTCHG_ED : Total charge for ED services	27,930,719	4,749,513	100.00	676318.00	3579.35	5342.65
YEAR : Calendar year	32,680,232	0	2016.00	2016.00	2016.00	0.00
ZIPINC_QRTL : Median household income national quartile for patient ZIP Code	32,105,088	575,144	1.00	4.00	2.21	1.10

***For more information about the coding of HCUP data elements,
please refer to the section on Description of Data Elements.***

***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for AGE***

AGE	Frequency	Percent
.: Missing	547	0.00
.C: Inconsistent	1,749	0.01
0	790,280	2.42
1	615,730	1.88
2	721,837	2.21
3	359,650	1.10
4	313,908	0.96
5	297,667	0.91
6	270,496	0.83
7	443,270	1.36
8	236,836	0.72
9	228,423	0.70
10	217,474	0.67
11	207,952	0.64
12	370,530	1.13
13	220,069	0.67
14	239,301	0.73
15	263,918	0.81
16	403,912	1.24
17	310,084	0.95
18	381,383	1.17
19	502,820	1.54
20	425,265	1.30
21	446,307	1.37
22	707,745	2.17
23	466,618	1.43
24	477,332	1.46
25	489,088	1.50
26	486,204	1.49
27	741,790	2.27
28	463,854	1.42

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for AGE***

AGE	Frequency	Percent
29	448,924	1.37
30	442,163	1.35
31	435,109	1.33
32	664,089	2.03
33	422,505	1.29
34	417,465	1.28
35	412,056	1.26
36	403,877	1.24
37	598,259	1.83
38	369,849	1.13
39	358,300	1.10
40	340,693	1.04
41	338,770	1.04
42	515,790	1.58
43	335,964	1.03
44	349,866	1.07
45	369,525	1.13
46	361,130	1.11
47	529,192	1.62
48	346,178	1.06
49	352,594	1.08
50	364,363	1.11
51	375,979	1.15
52	567,466	1.74
53	380,928	1.17
54	377,146	1.15
55	375,840	1.15
56	366,373	1.12
57	531,118	1.63
58	347,226	1.06
59	338,598	1.04

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for AGE***

AGE	Frequency	Percent
60	325,629	1.00
61	314,247	0.96
62	449,469	1.38
63	285,115	0.87
64	277,130	0.85
65	275,338	0.84
66	266,837	0.82
67	410,096	1.25
68	269,552	0.82
69	278,809	0.85
70	225,905	0.69
71	223,255	0.68
72	346,869	1.06
73	236,607	0.72
74	216,616	0.66
75	205,807	0.63
76	199,661	0.61
77	298,836	0.91
78	193,438	0.59
79	187,421	0.57
80	183,211	0.56
81	179,293	0.55
82	257,124	0.79
83	167,034	0.51
84	162,695	0.50
85	157,219	0.48
86	149,244	0.46
87	202,155	0.62
88	129,257	0.40
89	117,839	0.36
90 or older	549,150	1.68

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for AMONTH***

AMONTH	Frequency	Percent
.: Missing	3,594,913	11.00
1: January	2,416,464	7.39
2: February	2,375,644	7.27
3: March	2,577,393	7.89
4: April	2,423,145	7.41
5: May	2,490,934	7.62
6: June	2,365,550	7.24
7: July	2,448,237	7.49
8: August	2,463,244	7.54
9: September	2,426,149	7.42
10: October	2,393,643	7.32
11: November	2,316,406	7.09
12: December	2,388,510	7.31

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for A WEEKEND***

A WEEKEND	Frequency	Percent
.: Missing	151	0.00
0: Monday-Friday	23,591,542	72.19
1: Saturday-Sunday	9,088,539	27.81

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for DIED_VISIT***

DIED_VISIT	Frequency	Percent
.: Missing	51,749	0.16
0: Did not die	32,469,438	99.35
1: Died in the ED	44,778	0.14
2: Died in the hospital	114,267	0.35

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for DISCWT***

DISCWT	Frequency	Percent
Non-blank	32,680,232	100.00

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for DISP_ED***

DISP_ED	Frequency	Percent
1: Routine	26,801,615	82.01
2: Transfer: short-term hospital	505,120	1.55
5: Transfer: other type of facility	399,150	1.22
6: Home health care	61,196	0.19
7: Against medical advice	466,047	1.43
9: Admitted as an inpatient to this hospital	4,352,064	13.32
20: Died in ED	44,778	0.14
98: Not admitted to this hospital, destination unknown	50,102	0.15
99: Discharged alive, destination unknown	160	0.00

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for DQTR***

DQTR	Frequency	Percent
.: Missing	21,222	0.06
1: First quarter	8,287,383	25.36
2: Second quarter	8,169,458	25.00
3: Third quarter	8,212,033	25.13
4: Fourth quarter	7,990,136	24.45

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for DXVER***

DXVER	Frequency	Percent
10: ICD-10-CM diagnoses	32,680,232	100.00

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for EDEVENT***

EDEVENT	Frequency	Percent
1: ED visit in which the patient is treated and released	27,728,008	84.85
2: ED visit in which the patient is admitted to this same hospital	4,352,064	13.32
3: ED visit in which the patient is transferred to another short-term hospital	505,120	1.55
9: ED visit in which the patient died in the ED	44,778	0.14
98: ED visit in which patient is not admitted to this same hospital, destination unknown	50,102	0.15
99: ED visit in which the patient is discharged alive, destination unknown	160	0.00

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for FEMALE***

FEMALE	Frequency	Percent
.: Missing	1,199	0.00
.A: Invalid	<= 10	*.**
.C: Inconsistent	3,718	0.01
0: Male	14,530,221	44.46
1: Female	18,145,085	55.52

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for HCUPFILE***

HCUPFILE	Frequency	Percent
SEDD	28,328,168	86.68
SID	4,352,064	13.32

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for I10_DX1***

I10_DX1	Frequency	Percent
Blank	8,439	0.03
Valid DX	32,670,045	99.97
Inconsistent DX (incn)	277	0.00
Invalid DX (invl)	1,471	0.00

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for I10_ECAUSE1***

I10_ECAUSE1	Frequency	Percent
Blank	25,533,346	78.13
Valid DX	7,132,482	21.83
Invalid DX (invl)	14,404	0.04

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for I10_NDX***

I10_NDX	Frequency	Percent
0	6,469	0.02
1	8,059,721	24.66
2	6,666,127	20.40
3	4,534,994	13.88
4	3,041,864	9.31
5	2,100,747	6.43
6	1,507,713	4.61
7	1,124,310	3.44
8	868,689	2.66
9	704,891	2.16
10	638,025	1.95
11	466,956	1.43
12	397,520	1.22
13	356,847	1.09
14	299,935	0.92
15	318,825	0.98
16	230,270	0.70
17	195,724	0.60
18	224,886	0.69
19	143,430	0.44
20	128,102	0.39
21	101,706	0.31
22	87,216	0.27
23	75,609	0.23
24	71,488	0.22
25	218,246	0.67
26	16,613	0.05
27	14,084	0.04
28	12,421	0.04
29	18,203	0.06
30	48,601	0.15

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for I10_NECAUSE***

I10_NECAUSE	Frequency	Percent
0	25,533,346	78.13
1	3,275,304	10.02
2	2,263,930	6.93
3	995,815	3.05
4	611,837	1.87

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for PAY1***

PAY1	Frequency	Percent
.: Missing	34,509	0.11
.A: Invalid	1,960	0.01
1: Medicare	7,476,030	22.88
2: Medicaid	10,561,154	32.32
3: Private insurance	9,356,269	28.63
4: Self-pay	3,766,087	11.52
5: No charge	133,350	0.41
6: Other	1,350,873	4.13

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for PAY2***

PAY2	Frequency	Percent
.: Missing	24,372,032	74.58
.A: Invalid	294,510	0.90
1: Medicare	836,795	2.56
2: Medicaid	2,086,257	6.38
3: Private insurance	3,057,773	9.36
4: Self-pay	1,585,532	4.85
5: No charge	28,578	0.09
6: Other	418,755	1.28

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for TOTCHG_ED***

TOTCHG_ED	Frequency	Percent
.: Missing	4,685,292	14.34
.A: Invalid	<= 10	*.**
.C: Inconsistent	64,220	0.20
\$100- \$1,000	6,612,265	20.23
\$1,001- \$5,000	16,140,723	49.39
\$5,001-\$10,000	3,309,011	10.13
\$10,001-\$50,000	1,829,274	5.60
\$50,001-\$75,000	30,185	0.09
Over \$75,000	9,261	0.03

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for YEAR***

YEAR	Frequency	Percent
2016	32,680,232	100.00

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Frequency Distribution for ZIPINC_QRTL***

ZIPINC_QRTL	Frequency	Percent
.: Missing	572,320	1.75
.A: Invalid	2,824	0.01
1: First quartile	11,260,811	34.46
2: Second quartile	8,506,390	26.03
3: Third quartile	6,800,918	20.81
4: Fourth quartile	5,536,969	16.94

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**HCUP Summary Statistics Report: NEDS 2016 Core File
Univariates of Selected Continuous Data Elements**

Variable: DISCWT (Weight to ED Visits in AHA universe)

Moments			
N	32680232	Sum Weights	32680232
Mean	4.43212098	Sum Observations	144842742
Std Deviation	0.90689026	Variance	0.82244994
Skewness	0.30771583	Kurtosis	6.57125856
Uncorrected SS	668838410	Corrected SS	26877854.1
Coeff Variation	20.4617668	Std Error Mean	0.00015864

Basic Statistical Measures			
Location		Variability	
Mean	4.432121	Std Deviation	0.90689
Median	4.484848	Variance	0.82245
Mode	3.832430	Range	13.49650
		Interquartile Range	1.06017

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	27938.27	Pr > t	<.0001
Sign	M	16340116	Pr >= M	<.0001
Signed Rank	S	2.67E14	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	14.50658
99%	6.54834
95%	5.96366
90%	5.35270
75% Q3	4.89260
50% Median	4.48485

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Univariates of Selected Continuous Data Elements***

Variable: DISCWT (Weight to ED Visits in AHA universe)

Quantiles (Definition 5)	
Level	Quantile
25% Q1	3.83243
10%	3.38616
5%	3.02279
1%	1.96595
0% Min	1.01008

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**HCUP Summary Statistics Report: NEDS 2016 Core File
Univariates of Selected Continuous Data Elements**

Variable: AGE (Age in years at admission)

Moments			
N	32677936	Sum Weights	32677936
Mean	39.8679655	Sum Observations	1302802826
Std Deviation	24.434777	Variance	597.058329
Skewness	0.20310392	Kurtosis	-0.8979735
Uncorrected SS	7.14507E10	Corrected SS	1.95106E10
Coeff Variation	61.2892499	Std Error Mean	0.00427446

Basic Statistical Measures			
Location		Variability	
Mean	39.86797	Std Deviation	24.43478
Median	37.00000	Variance	597.05833
Mode	0.00000	Range	90.00000
		Interquartile Range	37.00000

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	9327.022	Pr > t	<.0001
Sign	M	15943828	Pr >= M	<.0001
Signed Rank	S	2.542E14	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	90
99%	90
95%	83
90%	75
75% Q3	58
50% Median	37

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**HCUP Summary Statistics Report: NEDS 2016 Core File
Univariates of Selected Continuous Data Elements**

Variable: AGE (Age in years at admission)

Quantiles (Definition 5)	
Level	Quantile
25% Q1	21
10%	6
5%	2
1%	0
0% Min	0

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
	547	0.00	23.82
C	1749	0.01	76.18
Total	2296	0.01	100.00

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**HCUP Summary Statistics Report: NEDS 2016 Core File
Univariates of Selected Continuous Data Elements**

Variable: TOTCHG_ED (Total charge for ED services)

Moments			
N	27930719	Sum Weights	27930719
Mean	3579.34565	Sum Observations	9.99737E10
Std Deviation	5342.65049	Variance	28543914.3
Skewness	7.04511329	Kurtosis	150.704858
Uncorrected SS	1.15509E15	Corrected SS	7.97252E14
Coeff Variation	149.263329	Std Error Mean	1.01091748

Basic Statistical Measures			
Location		Variability	
Mean	3579.346	Std Deviation	5343
Median	2007.000	Variance	28543914
Mode	1303.290	Range	676218
		Interquartile Range	2903

Tests for Location: $\mu_0=0$				
Test	Statistic		p Value	
Student's t	t	3540.69	Pr > t	<.0001
Sign	M	13965360	Pr >= M	<.0001
Signed Rank	S	1.95E14	Pr >= S	<.0001

Quantiles (Definition 5)	
Level	Quantile
100% Max	676318
99%	25966
95%	11955
90%	7734
75% Q3	3944
50% Median	2007

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***HCUP Summary Statistics Report: NEDS 2016 Core File
Univariates of Selected Continuous Data Elements***

Variable: TOTCHG_ED (Total charge for ED services)

Quantiles (Definition 5)	
Level	Quantile
25% Q1	1041
10%	551
5%	369
1%	189
0% Min	100

Missing Values			
Missing Value	Count	Percent Of	
		All Obs	Missing Obs
	4685292	14.34	98.65
A	1	0.00	0.00
C	64220	0.20	1.35
Total	4749513	14.53	100.00

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