



Adult, Nonmaternal Inpatient Stays Related to Sepsis:
National Trends by Expected Primary Payer, 2012-2018

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OVERVIEW

Sepsis is a serious blood infection that may lead to organ failure, tissue damage, and even death. Most often caused by bacteria or bacterial toxins in the blood stream, more than 1.7 million cases of septicemia are reported in the United States each year.¹ Hospitalizations associated with sepsis have risen markedly over the past decade. A study conducted by the Agency for Healthcare Research and Quality (AHRQ) found that between 2000 and 2009, the number of hospitalizations in the United States with a principal diagnosis of sepsis increased by 148 percent, and hospitalizations with a secondary diagnosis of sepsis increased by 66 percent. By 2009, nearly one out of every 23 hospitalized patients had sepsis.² A similar analysis explored hospital admissions for sepsis among Medicare fee-for-service beneficiaries and found that utilization steadily increased between 2012 and 2018 with some seasonal variation.³ This descriptive analysis shows national trends from 2012 to 2018 in adult, nonmaternal inpatient stays related to sepsis for different expected primary payers.

METHODS

National estimates of inpatient stays related to sepsis were derived from the Healthcare Cost and Utilization project (HCUP) National Inpatient Sample (NIS). The analysis was limited to discharges for patients aged 18 years and older, excluding maternal stays identified by the major diagnostic category (MDC) of 14. Sepsis could be listed as a principal or secondary diagnosis and included septic shock, severe sepsis without shock, nonsevere sepsis that is organism specific, and non-severe sepsis, unspecified. This analysis is focused on nonmaternal adults and, therefore, does not include diagnoses related to maternal and neonatal sepsis. The identification of sepsis changed diagnosis coding systems during the study period. In October 2015, the United States transitioned to a modified version of the World Health Organization International Classification of Diseases, Tenth Revision (ICD-10-CM), replacing the ICD-9-CM (Ninth Revision) diagnosis coding system with the ICD-10-CM diagnosis coding system for inpatient and outpatient medical encounters. Discharge quarter was defined as follows: Q1 includes January-March, Q2 includes April-June, Q3 includes July-September, and Q4 includes October-December. Trends are presented by the expected primary payer (i.e., the expected primary source of payment for the hospital bill). Background on the NIS is provided in Appendix A. The coding criteria for sepsis is provided in Appendix B.

¹ What is Sepsis? Centers for Disease Control and Prevention. <https://www.cdc.gov/sepsis/what-is-sepsis.html>. Accessed November 5, 2020.

² Elixhauser A, Friedman B, Stranges E. Septicemia in U.S. Hospitals, 2009. HCUP Statistical Brief #122. October 2011. Rockville, MD: Agency for Healthcare Research and Quality. <http://www.hcup-us.ahrq.gov/reports/statbriefs/sb122.pdf>. Accessed November 5, 2020.

³ Buchman TG, Simpson SQ, Sciarretta KL, et al. Sepsis Among Medicare Beneficiaries: 1. The Burdens of Sepsis, 2012-2018. *Crit Care Med*. 2020;48(3):276-288. doi:10.1097/CCM.0000000000004224

RESULTS

The following graphs show national trends in adult, nonmaternal inpatient stays related to sepsis. There are five sets of graphs showing trends by expected primary payer and discharge quarter from 2012–2018. Each set focuses on a type of sepsis: any sepsis, septic shock, severe sepsis without shock, nonsevere sepsis that is organism specific, and non-severe sepsis, unspecified. The first graph in the set shows trends in the number of adult, nonmaternal inpatient stays. Information on Medicare discharges is reported overall and by two age groups (ages 18-64 years and ages 65 years and older). The second graph in the set shows trends in the percentage of total adult, nonmaternal inpatient stays for the payer that are related to sepsis. The underlying data tables for each figure are provided in Appendix C.

Any Diagnosis of Sepsis

Figure 1a: Number of Adult, Nonmaternal Inpatient Stays with Any Diagnosis of Sepsis, By Expected Primary Payer and Discharge Quarter, 2012-2018

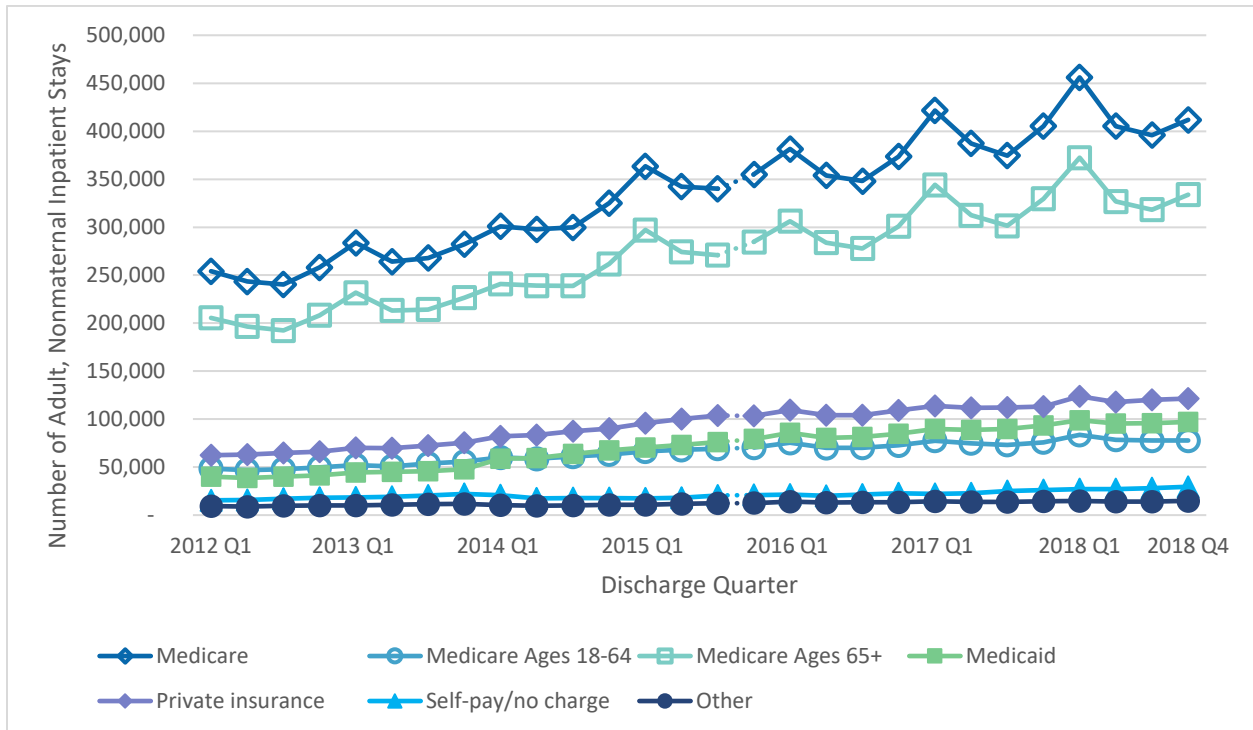
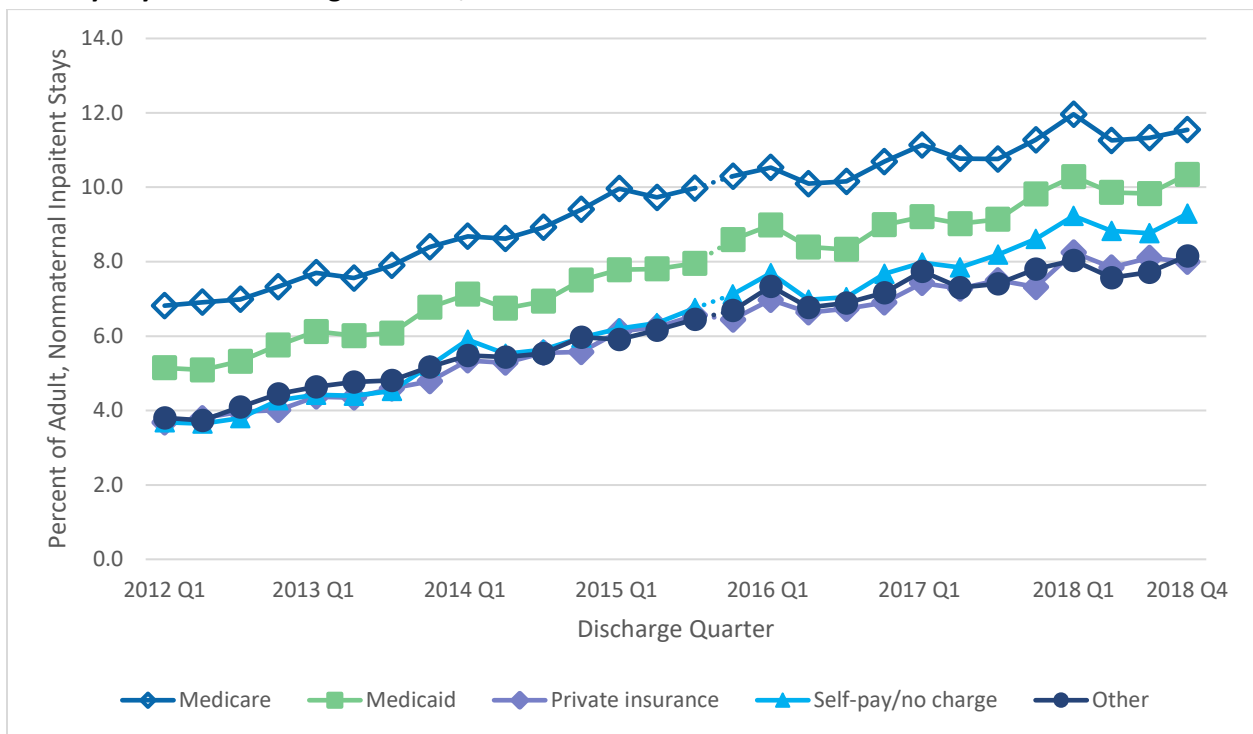


Figure 1b: Percent of Adult, Nonmaternal Inpatient Stays with Any Diagnosis of Sepsis, By Expected Primary Payer and Discharge Quarter, 2012-2018



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2012 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2018 Q4

Septic Shock

Figure 2a: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Septic Shock, By Expected Primary Payer and Discharge Quarter, 2012-2018

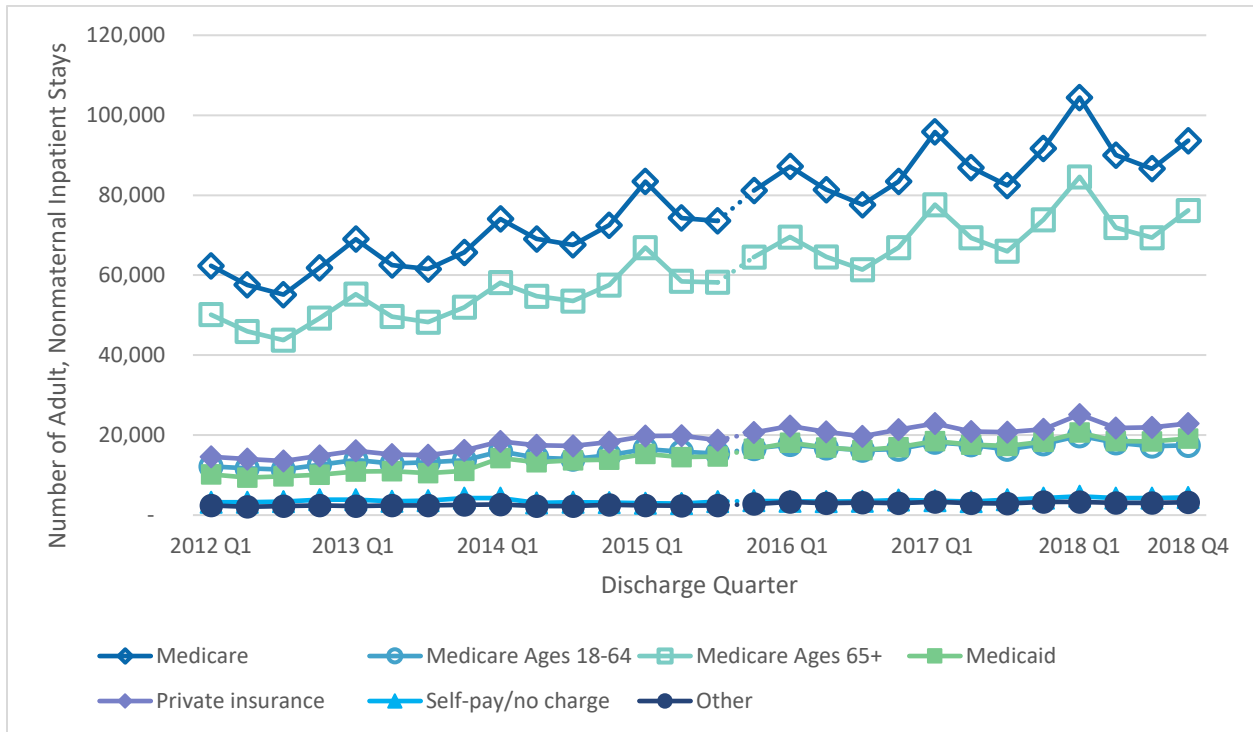
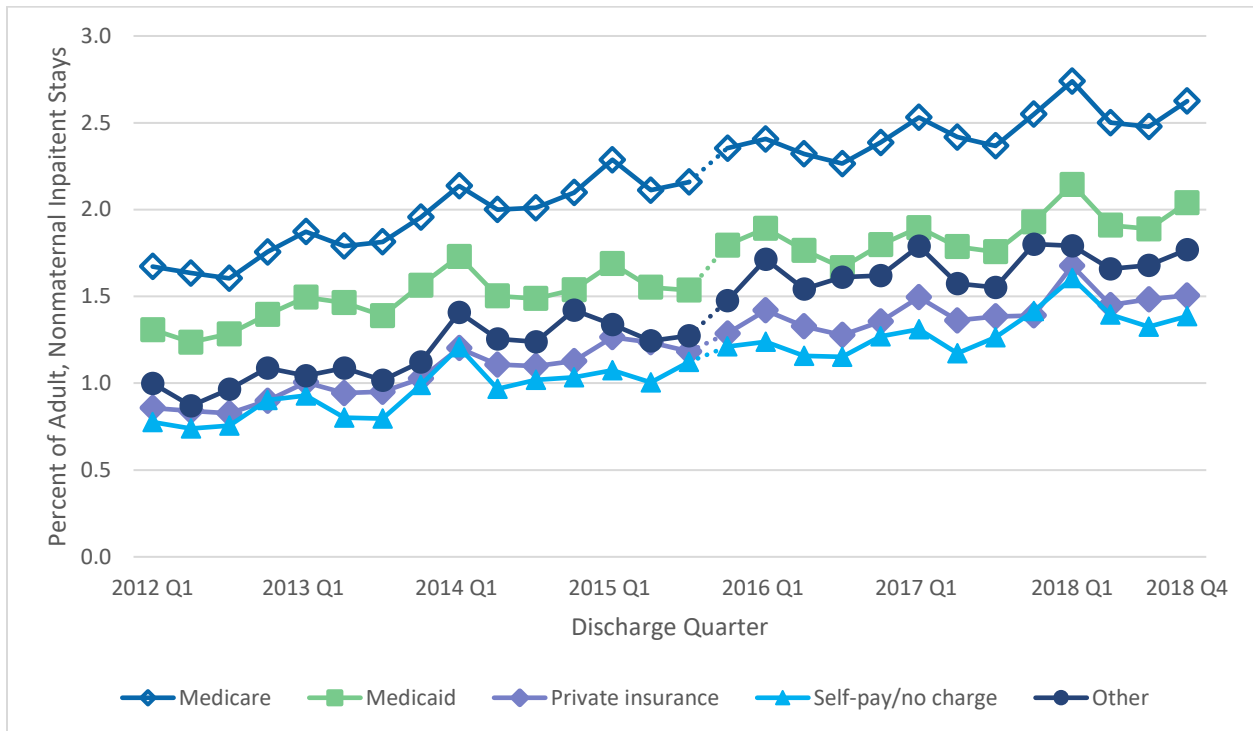


Figure 2b: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Septic Shock, By Expected Primary Payer and Discharge Quarter, 2012-2018



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2012 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2018 Q4

Severe Sepsis without Shock

Figure 3a: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Severe Sepsis without Shock, By Expected Primary Payer and Discharge Quarter, 2012-2018

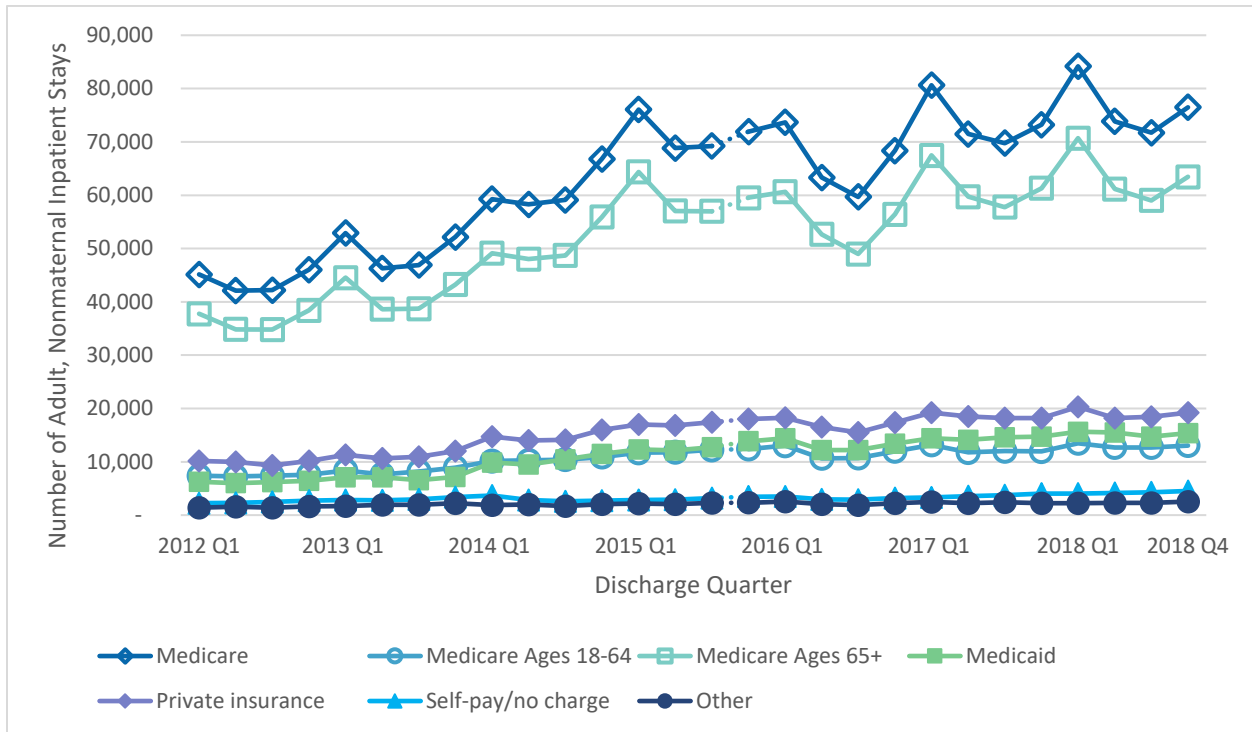
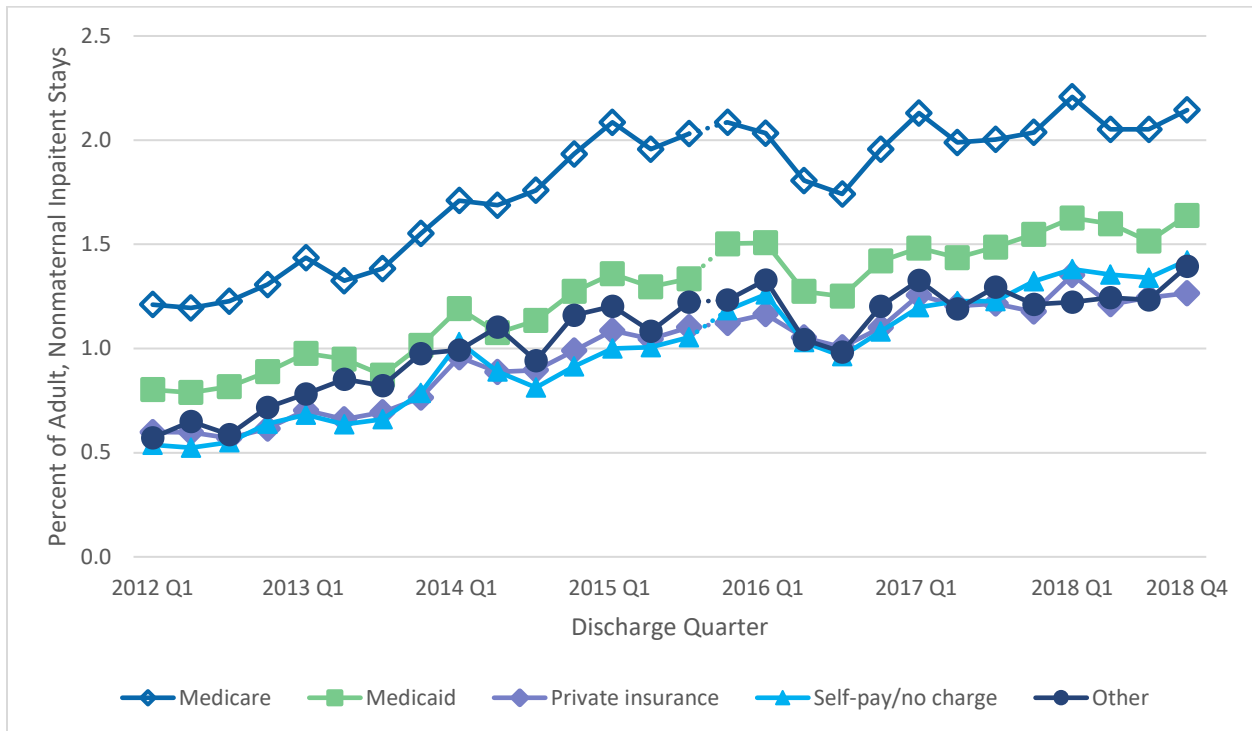


Figure 3b: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Severe Sepsis without Shock, By Expected Primary Payer and Discharge Quarter, 2012-2018



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2012 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2018 Q4

Nonsevere Sepsis, Organism Specific

Figure 4a: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Nonsevere Sepsis, Organism Specific, By Expected Primary Payer and Discharge Quarter, 2012-2018

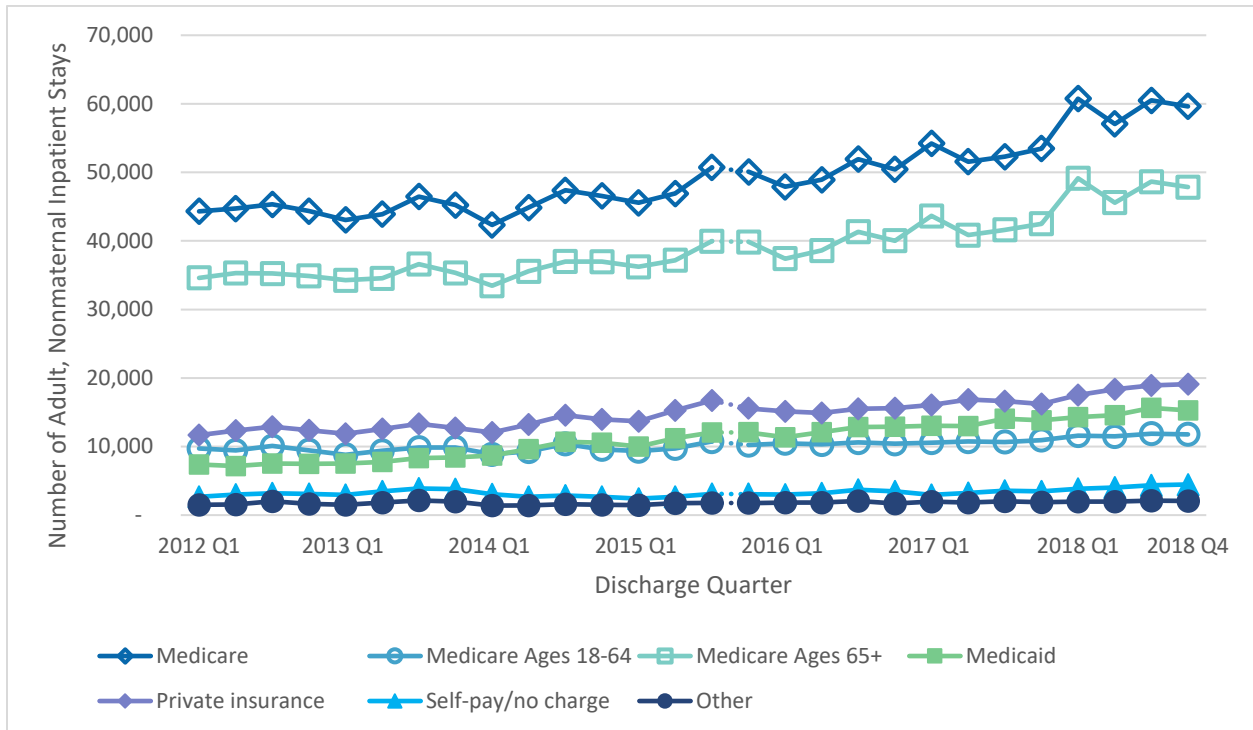
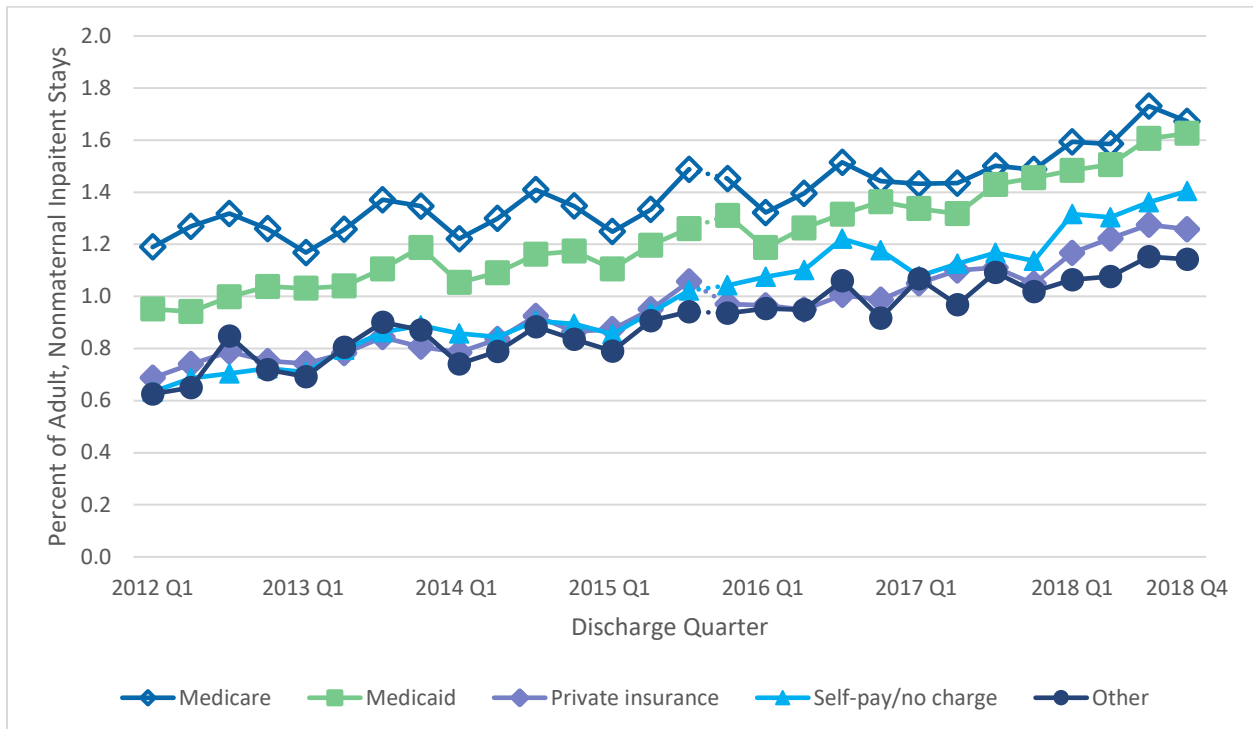


Figure 4b: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Nonsevere Sepsis, Organism Specific, By Expected Primary Payer and Discharge Quarter, 2012-2018



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2012 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2018 Q4

Nonsevere Sepsis, Unspecified

Figure 5a: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Nonsevere Sepsis, Unspecified, By Expected Primary Payer and Discharge Quarter, 2012-2018

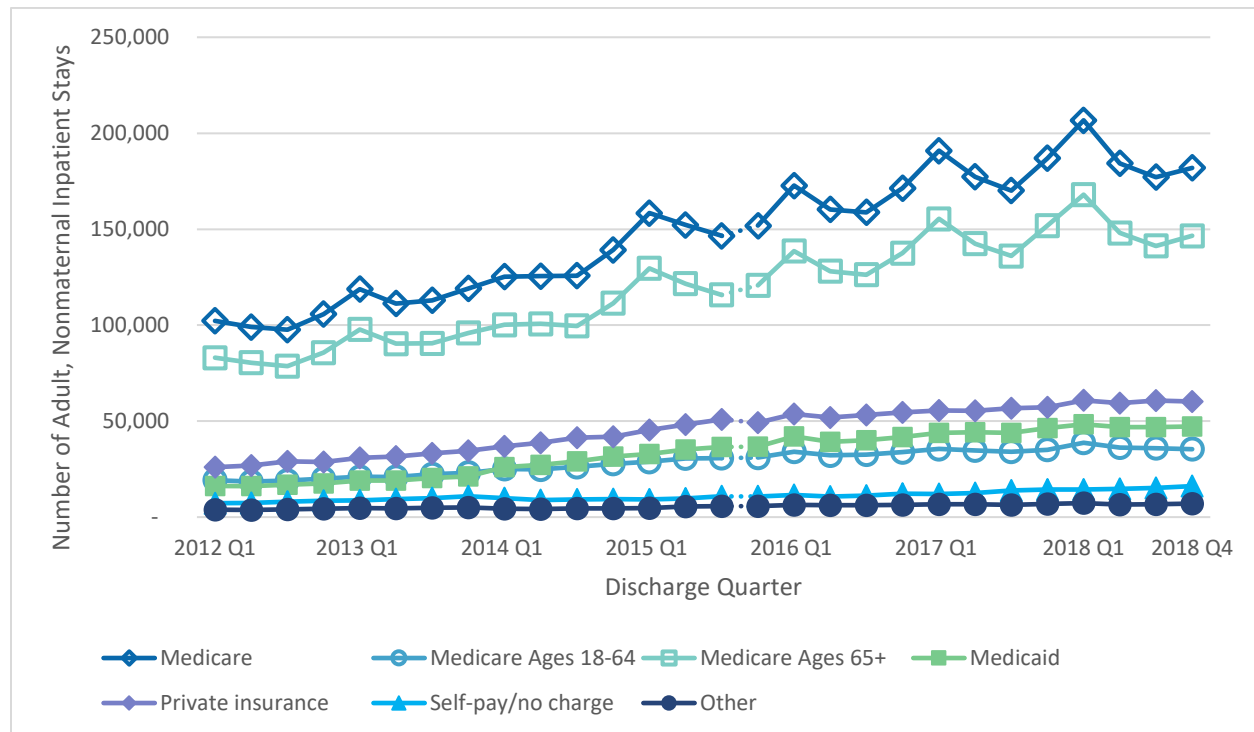
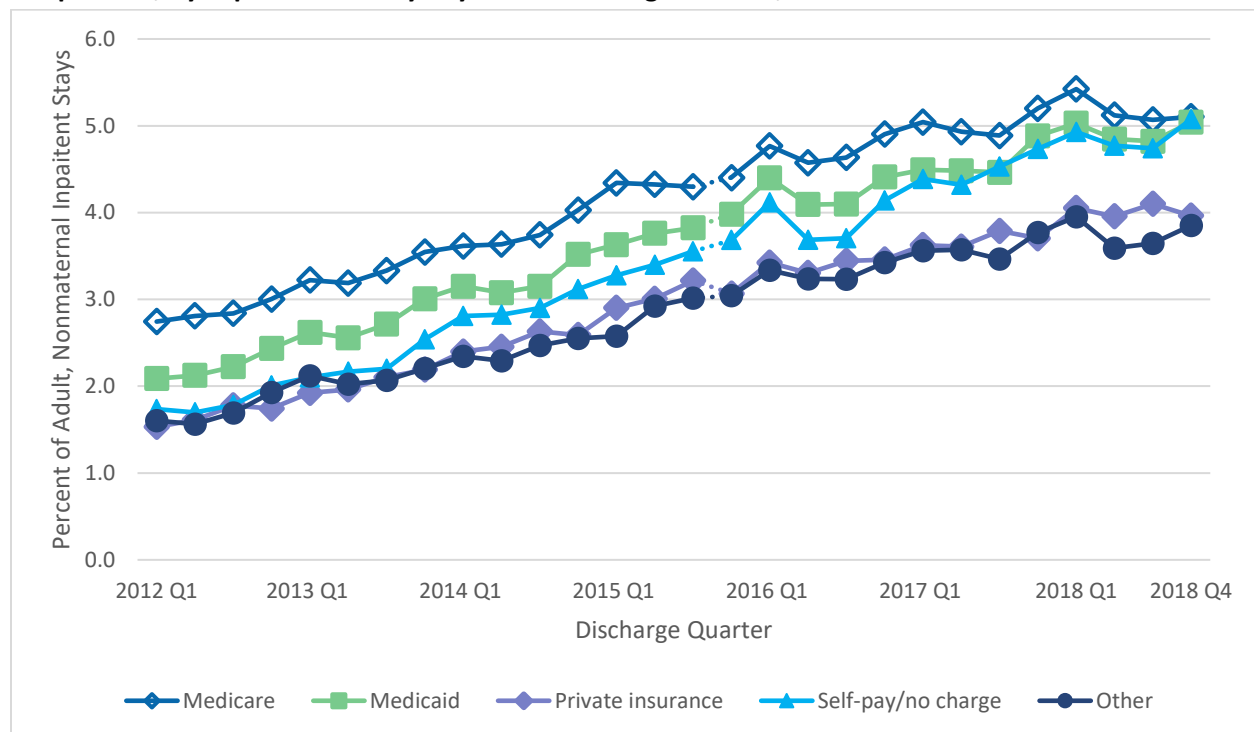


Figure 5b: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Nonsevere Sepsis, Unspecified, By Expected Primary Payer and Discharge Quarter, 2012-2018



Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2012 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2018 Q4

APPENDIX A. HEALTHCARE COST AND UTILIZATION PROJECT (HCUP) NATIONAL INPATIENT SAMPLE (NIS)

The Healthcare Cost and Utilization Project is a family of health care databases and related software tools and products developed through a Federal-State-Industry partnership and sponsored by the Agency for Healthcare Research and Quality (AHRQ). HCUP databases bring together the data collection efforts of State data organizations, hospital associations, and private data organizations (HCUP Partners) and the Federal government to create a national information resource of encounter-level health care data. HCUP includes the largest collection of longitudinal hospital care data in the United States, with all-payer, encounter-level information beginning in 1988. These databases enable research on a broad range of health policy issues, including cost and quality of health services, medical practice patterns, access to health care programs, and outcomes of treatments at the national, State, and local market levels.

Beginning in 2012, the HCUP National Inpatient Sample (NIS) approximates a 20-percent stratified sample of all discharges from U.S. community hospitals, excluding rehabilitation and long-term acute care hospitals. The 2018 NIS sampling frame includes data from the HCUP [State Inpatient Databases \(SID\)](#) from 47 States plus the District of Columbia, covering more than 97 percent of the U.S. population and including almost 96 percent of discharges from U.S. community hospitals. The NIS contains information on all hospital stays, regardless of the expected payer for the hospital stay. For Medicare, the NIS includes inpatient stays for both Medicare fee-for-service and managed care patients. Clinical and resource use information typically available from discharge abstracts is included on NIS records. The vast size of the NIS allows the study of topics at the national and regional levels for specific subgroups of patients. In addition, NIS data are standardized across years to facilitate ease of use. Over time, the sampling frame for the NIS has changed; thus, the number of States contributing to the NIS varies from year to year. The NIS is intended for reporting national estimates only; no State-level estimates can be produced.

More information is available on the HCUP User Support website (www.hcup-us.ahrq.gov).

APPENDIX B. CLINICAL CODING DEFINITIONS

For both ICD-9-CM and ICD-10-CM, a discharge record was assigned into one of the sepsis categories based on the following hierarchy:

1. If any diagnosis of septic shock, then the discharged is classified as Septic Shock
2. If not in #1 and any diagnosis of severe sepsis without shock, then the discharged is classified as Severe Sepsis without Shock
3. If not in #1 or #2 and any diagnosis of nonsevere sepsis that is organism specific, then the discharged is classified as Nonsevere Sepsis, Organism Specific
4. If not in #1, #2, or #3 and any diagnosis of nonsevere sepsis, unspecified, then the discharged is classified as Nonsevere Sepsis, Unspecified.

If a discharge record was identified as having any one of the four types of sepsis, then it was also included in the category of Any Sepsis. Table B.1 and B.2 list the diagnosis codes used to identify each type of sepsis by the two coding systems. Table B.3 lists the maternal and neonatal diagnosis codes for sepsis that were *not* used for this study.

B.1 ICD-9-CM Coding Used to Identify Inpatient Stays Related to Sepsis for Quarter 1 of 2012 through Quarter 3 of 2015

Diagnosis	ICD-9-CM Code	Code Description
Septic Shock	78552	Septic shock
Severe Sepsis without Shock	99592	Severe sepsis
Nonsevere Sepsis, Organism Specific	0380	Streptococcal septicemia
	0381x	Staphylococcal septicemia
	0382	Pneumococcal septicemia
	0393	Septicemia due to anaerobes
	0384x	Septicemia due to other gram-negative organisms
Nonsevere Sepsis, Unspecified	0388	Other specified septicemias
	0389	Unspecified septicemia
	99591	Sepsis

B.2 ICD-10-CM Coding Used to Identify Inpatient Stays Related to Sepsis for Quarter 4 of 2015 through Quarter 4 of 2018

Diagnosis	ICD-10-CM Code	Code Description
Septic Shock	R6521	Severe sepsis with septic shock
Severe Sepsis without Shock	R6520	Severe sepsis without septic shock
Nonsevere Sepsis, Organism Specific	A021	Salmonella sepsis
	A227	Anthrax sepsis
	A267	Erysipelothrix sepsis
	A327	Listerial sepsis
	A400	Sepsis due to streptococcus, group A
	A401	Sepsis due to streptococcus, group B
	A403	Sepsis due to Streptococcus pneumoniae
	A408	Other streptococcal sepsis
	A409	Streptococcal sepsis, unspecified
	A4101	Sepsis due to Methicillin susceptible Staphylococcus aureus
	A4102	Sepsis due to Methicillin resistant Staphylococcus aureus
	A411	Sepsis due to other specified staphylococcus
	A412	Sepsis due to unspecified staphylococcus
	A413	Sepsis due to Hemophilus influenzae
	A414	Sepsis due to anaerobes
	A4150	Gram-negative sepsis, unspecified
	A4151	Sepsis due to Escherichia coli [E. coli]
	A4152	Sepsis due to Pseudomonas
	A4153	Sepsis due to Serratia
	A4159	Other Gram-negative sepsis
	A4181	Sepsis due to Enterococcus
	A4189	Other specified sepsis
	A427	Actinomycotic sepsis
A5486	Gonococcal sepsis	
B377	Candidal sepsis	
Nonsevere Sepsis, Unspecified	A419	Sepsis, unspecified organism

B.3 ICD-10-CM Coding for Maternal and Neonatal Sepsis Not Used for This Study

ICD-10-CM Code	Code Description
O0337	Sepsis following incomplete spontaneous abortion
O0387	Sepsis following complete or unspecified spontaneous abortion
O0487	Sepsis following (induced) termination of pregnancy
O0737	Sepsis following failed attempted termination of pregnancy
O0882	Sepsis following ectopic and molar pregnancy
O85	Puerperal sepsis
O8604	Sepsis following an obstetrical procedure
P360	Sepsis of newborn due to streptococcus, group B
P3610	Sepsis of newborn due to unspecified streptococci
P3619	Sepsis of newborn due to other streptococci
P362	Sepsis of newborn due to Staphylococcus aureus
P3630	Sepsis of newborn due to unspecified staphylococci
P3639	Sepsis of newborn due to other staphylococci
P364	Sepsis of newborn due to Escherichia coli
P365	Sepsis of newborn due to anaerobes
P368	Other bacterial sepsis of newborn
P369	Bacterial sepsis of newborn, unspecified

APPENDIX C. DATA TABLES

Any Diagnosis of Sepsis

Table 1a-1: Number of Adult, Nonmaternal Inpatient Stays with Any Diagnosis of Sepsis, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	254,055	243,425	240,295	258,000	283,820	264,015	267,850	282,190	300,955	297,785	299,840	325,065
Medicare Ages 18-64	48,525	46,875	47,830	49,755	52,000	50,820	53,660	55,625	60,040	58,745	60,985	63,250
Medicare Ages 65+	205,530	196,550	192,465	208,245	231,820	213,195	214,190	226,565	240,915	239,040	238,855	261,815
Medicaid	39,995	38,685	40,210	41,550	44,560	44,950	45,815	47,900	58,800	59,540	63,895	67,475
Private insurance	62,405	63,205	64,845	66,160	70,095	69,865	72,465	75,525	82,035	83,480	87,375	90,140
Self-pay/no charge	15,430	15,840	17,050	18,210	18,425	19,185	20,345	22,250	20,915	17,515	17,905	17,920
Other	9,265	8,905	9,705	10,060	10,195	10,750	11,415	11,750	10,285	9,820	10,145	10,680
Missing/Invalid	610	1,035	1,045	945	545	505	650	610	650	870	730	905

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 1a-2: Number of Adult, Nonmaternal Inpatient Stays with Any Diagnosis of Sepsis, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	363,495	342,275	340,045	355,035	381,535	353,920	348,070	373,635	421,565	387,220	374,655	405,325
Medicare Ages 18-64	66,350	67,980	69,115	70,300	75,290	69,965	70,125	72,760	77,460	74,860	73,230	75,780
Medicare Ages 65+	297,145	274,295	270,930	284,735	306,245	283,955	277,945	300,875	344,105	312,360	301,425	329,545
Medicaid	70,430	73,050	76,050	79,115	85,905	80,335	81,305	84,930	89,805	88,865	89,880	93,345
Private insurance	95,885	100,190	103,765	103,445	109,525	104,020	103,980	109,010	113,775	111,710	112,160	113,150
Self-pay/no charge	17,450	18,250	20,540	20,840	21,535	20,150	21,335	22,705	22,025	22,690	25,035	26,125
Other	10,810	11,680	12,265	12,505	14,075	13,170	13,345	13,285	14,440	13,660	13,695	14,290
Missing/Invalid	530	700	620	770	610	700	635	730	940	860	1,025	830

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 1a-3: Number of Adult, Nonmaternal Inpatient Stays with Any Diagnosis of Sepsis, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	456,080	405,270	396,025	411,735
Medicare Ages 18-64	83,650	78,570	77,715	77,715
Medicare Ages 65+	372,430	326,700	318,310	334,020
Medicaid	98,930	95,575	95,730	97,070
Private insurance	123,815	117,625	120,070	121,395
Self-pay/no charge	27,050	27,140	28,115	29,565
Other	14,835	13,965	14,190	14,890
Missing/Invalid	715	645	825	805

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses

Table 1b-1: Percent of Adult, Nonmaternal Inpatient Stays with Any Diagnosis of Sepsis, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	6.8	6.9	7.0	7.3	7.7	7.6	7.9	8.4	8.7	8.6	8.9	9.4
Medicaid	5.1	5.1	5.3	5.8	6.1	6.0	6.1	6.8	7.1	6.7	6.9	7.5
Private insurance	3.7	3.8	4.0	4.0	4.4	4.3	4.6	4.8	5.3	5.3	5.6	5.6
Self-pay/no charge	3.7	3.6	3.8	4.3	4.4	4.4	4.5	5.2	5.9	5.5	5.6	6.0
Other	3.8	3.7	4.1	4.5	4.6	4.8	4.8	5.2	5.5	5.4	5.5	6.0
Missing/Invalid	4.7	5.2	6.5	5.6	5.8	5.0	5.5	5.6	6.0	6.5	6.5	5.8

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 1b-2: Percent of Adult, Nonmaternal Inpatient Stays with Any Diagnosis of Sepsis, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	10.0	9.7	10.0	10.3	10.5	10.1	10.2	10.7	11.1	10.8	10.8	11.3
Medicaid	7.8	7.8	8.0	8.6	9.0	8.4	8.3	9.0	9.2	9.0	9.1	9.8
Private insurance	6.1	6.2	6.6	6.4	7.0	6.6	6.7	6.9	7.4	7.3	7.5	7.3
Self-pay/no charge	6.2	6.3	6.7	7.1	7.7	7.0	7.0	7.7	8.0	7.8	8.2	8.6
Other	5.9	6.2	6.5	6.7	7.3	6.8	6.9	7.2	7.7	7.3	7.4	7.8
Missing/Invalid	6.2	7.8	6.1	7.1	7.1	7.8	7.1	8.1	7.8	7.2	7.9	7.4

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 1b-3: Percent of Adult, Nonmaternal Inpatient Stays with Any Diagnosis of Sepsis, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	12.0	11.3	11.3	11.5
Medicaid	10.3	9.9	9.8	10.3
Private insurance	8.2	7.8	8.1	8.0
Self-pay/no charge	9.2	8.8	8.8	9.3
Other	8.0	7.6	7.7	8.2
Missing/Invalid	7.9	8.5	8.3	9.1

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses

Septic Shock

Table 2a-1: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Septic Shock, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	62,320	57,585	55,145	61,840	69,025	62,520	61,525	65,710	74,070	69,075	67,565	72,515
Medicare Ages 18-64	12,170	11,665	11,380	12,600	13,770	12,880	13,250	13,720	15,930	14,350	14,020	14,990
Medicare Ages 65+	50,150	45,920	43,765	49,240	55,255	49,640	48,275	51,990	58,140	54,725	53,545	57,525
Medicaid	10,160	9,395	9,700	10,075	10,880	10,950	10,470	11,065	14,275	13,260	13,710	13,830
Private insurance	14,555	14,025	13,530	14,835	16,110	15,160	15,000	16,200	18,455	17,495	17,300	18,245
Self-pay/no charge	3,255	3,210	3,395	3,845	3,875	3,495	3,585	4,235	4,280	3,070	3,240	3,110
Other	2,435	2,075	2,290	2,460	2,295	2,450	2,415	2,550	2,640	2,265	2,270	2,545
Missing/Invalid	155	225	240	165	130	130	100	125	125	200	130	285

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 2a-2: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Septic Shock, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	83,435	74,315	73,600	81,175	87,205	81,380	77,620	83,425	95,830	86,915	82,435	91,660
Medicare Ages 18-64	16,520	15,845	15,390	16,650	17,665	16,795	16,255	16,505	18,215	17,575	16,445	17,810
Medicare Ages 65+	66,915	58,470	58,210	64,525	69,540	64,585	61,365	66,920	77,615	69,340	65,990	73,850
Medicaid	15,285	14,530	14,685	16,535	18,085	16,895	16,260	16,980	18,495	17,600	17,280	18,350
Private insurance	19,800	19,840	18,715	20,640	22,300	20,815	19,735	21,405	22,910	20,915	20,710	21,490
Self-pay/no charge	3,020	2,890	3,415	3,545	3,470	3,345	3,490	3,760	3,620	3,390	3,865	4,295
Other	2,450	2,360	2,420	2,760	3,290	3,000	3,120	3,005	3,335	2,945	2,870	3,300
Missing/Invalid	105	155	120	135	115	175	145	190	270	160	220	220

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 2a-3: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Septic Shock, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	104,425	90,015	86,620	93,630
Medicare Ages 18-64	19,835	18,100	17,230	17,445
Medicare Ages 65+	84,590	71,915	69,390	76,185
Medicaid	20,635	18,515	18,390	19,140
Private insurance	25,175	21,755	21,980	22,870
Self-pay/no charge	4,705	4,290	4,250	4,410
Other	3,310	3,060	3,090	3,230
Missing/Invalid	130	100	195	170

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses

Table 2b-1: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Septic Shock, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	1.7	1.6	1.6	1.8	1.9	1.8	1.8	2.0	2.1	2.0	2.0	2.1
Medicaid	1.3	1.2	1.3	1.4	1.5	1.5	1.4	1.6	1.7	1.5	1.5	1.5
Private insurance	0.9	0.8	0.8	0.9	1.0	0.9	1.0	1.0	1.2	1.1	1.1	1.1
Self-pay/no charge	0.8	0.7	0.8	0.9	0.9	0.8	0.8	1.0	1.2	1.0	1.0	1.0
Other	1.0	0.9	1.0	1.1	1.0	1.1	1.0	1.1	1.4	1.3	1.2	1.4
Missing/Invalid	1.2	1.1	1.5	1.0	1.4	1.3	0.8	1.2	1.2	1.5	1.2	1.8

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 2b-2: Percent of Inpatient Stays with a Diagnosis of Septic Shock, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	2.3	2.1	2.2	2.4	2.4	2.3	2.3	2.4	2.5	2.4	2.4	2.5
Medicaid	1.7	1.6	1.5	1.8	1.9	1.8	1.7	1.8	1.9	1.8	1.8	1.9
Private insurance	1.3	1.2	1.2	1.3	1.4	1.3	1.3	1.4	1.5	1.4	1.4	1.4
Self-pay/no charge	1.1	1.0	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.3	1.4
Other	1.3	1.2	1.3	1.5	1.7	1.5	1.6	1.6	1.8	1.6	1.6	1.8
Missing/Invalid	1.2	1.7	1.2	1.3	1.3	2.0	1.6	2.1	2.3	1.3	1.7	2.0

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 2b-3: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Septic Shock, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	2.7	2.5	2.5	2.6
Medicaid	2.1	1.9	1.9	2.0
Private insurance	1.7	1.5	1.5	1.5
Self-pay/no charge	1.6	1.4	1.3	1.4
Other	1.8	1.7	1.7	1.8
Missing/Invalid	1.4	1.3	2.0	1.9

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses

Severe Sepsis without Shock

Table 3a-1: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Severe Sepsis without Shock, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	45,130	42,100	42,180	46,020	52,920	46,270	46,900	52,145	59,265	58,280	59,130	66,810
Medicare Ages 18-64	7,385	7,255	7,375	7,600	8,380	7,650	8,180	8,900	10,145	10,265	10,425	10,905
Medicare Ages 65+	37,745	34,845	34,805	38,420	44,540	38,620	38,720	43,245	49,120	48,015	48,705	55,905
Medicaid	6,230	5,990	6,170	6,410	7,105	7,095	6,570	7,170	9,830	9,495	10,450	11,455
Private insurance	10,170	9,965	9,325	10,160	11,270	10,610	10,955	12,045	14,705	14,015	14,105	16,010
Self-pay/no charge	2,250	2,275	2,475	2,725	2,840	2,770	2,975	3,360	3,650	2,820	2,580	2,745
Other	1,395	1,550	1,390	1,620	1,720	1,920	1,950	2,215	1,860	1,990	1,725	2,075
Missing/Invalid	45	115	85	130	85	60	65	90	85	140	85	170

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 3a-2: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Severe Sepsis without Shock, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	76,080	68,845	69,230	71,920	73,670	63,305	59,690	68,370	80,625	71,470	69,770	73,230
Medicare Ages 18-64	11,695	11,795	12,235	12,395	13,030	10,640	10,705	11,965	13,165	11,760	12,010	11,930
Medicare Ages 65+	64,385	57,050	56,995	59,525	60,640	52,665	48,985	56,405	67,460	59,710	57,760	61,300
Medicaid	12,290	12,125	12,755	13,835	14,410	12,190	12,205	13,410	14,450	14,140	14,625	14,720
Private insurance	16,995	16,795	17,435	18,010	18,290	16,500	15,525	17,385	19,250	18,500	18,175	18,190
Self-pay/no charge	2,810	2,895	3,205	3,465	3,525	2,975	2,920	3,200	3,310	3,550	3,750	4,015
Other	2,200	2,055	2,325	2,305	2,550	2,030	1,905	2,230	2,475	2,225	2,395	2,220
Missing/Invalid	75	105	110	155	140	120	80	135	170	150	175	100

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 3a-3: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Severe Sepsis without Shock, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	84,170	73,850	71,720	76,485
Medicare Ages 18-64	13,470	12,705	12,690	13,040
Medicare Ages 65+	70,700	61,145	59,030	63,445
Medicaid	15,645	15,490	14,750	15,375
Private insurance	20,305	18,190	18,445	19,220
Self-pay/no charge	4,045	4,165	4,295	4,530
Other	2,260	2,295	2,270	2,545
Missing/Invalid	100	90	120	120

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses

Table 3b-1: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Severe Sepsis without Shock, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	1.2	1.2	1.2	1.3	1.4	1.3	1.4	1.6	1.7	1.7	1.8	1.9
Medicaid	0.8	0.8	0.8	0.9	1.0	0.9	0.9	1.0	1.2	1.1	1.1	1.3
Private insurance	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	1.0	0.9	0.9	1.0
Self-pay/no charge	0.5	0.5	0.6	0.6	0.7	0.6	0.7	0.8	1.0	0.9	0.8	0.9
Other	0.6	0.6	0.6	0.7	0.8	0.9	0.8	1.0	1.0	1.1	0.9	1.2
Missing/Invalid	0.3	0.6	0.5	0.8	0.9	0.6	0.5	0.8	0.8	1.0	0.8	1.1

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 3b-2: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Severe Sepsis without Shock, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	2.1	2.0	2.0	2.1	2.0	1.8	1.7	2.0	2.1	2.0	2.0	2.0
Medicaid	1.4	1.3	1.3	1.5	1.5	1.3	1.3	1.4	1.5	1.4	1.5	1.5
Private insurance	1.1	1.0	1.1	1.1	1.2	1.1	1.0	1.1	1.3	1.2	1.2	1.2
Self-pay/no charge	1.0	1.0	1.1	1.2	1.3	1.0	1.0	1.1	1.2	1.2	1.2	1.3
Other	1.2	1.1	1.2	1.2	1.3	1.0	1.0	1.2	1.3	1.2	1.3	1.2
Missing/Invalid	0.9	1.2	1.1	1.4	1.6	1.3	0.9	1.5	1.4	1.3	1.3	0.9

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 3b-3: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Severe Sepsis without Shock, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	2.2	2.1	2.1	2.1
Medicaid	1.6	1.6	1.5	1.6
Private insurance	1.4	1.2	1.2	1.3
Self-pay/no charge	1.4	1.4	1.3	1.4
Other	1.2	1.2	1.2	1.4
Missing/Invalid	1.1	1.2	1.2	1.4

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses

Nonsevere Sepsis, Organism Specific

Table 4a-1: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Organism-Specific, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	44,325	44,725	45,325	44,355	43,060	43,910	46,480	45,230	42,330	44,865	47,385	46,555
Medicare Ages 18-64	9,710	9,420	10,090	9,465	8,800	9,375	9,850	9,885	8,865	9,300	10,395	9,590
Medicare Ages 65+	34,615	35,305	35,235	34,890	34,260	34,535	36,630	35,345	33,465	35,565	36,990	36,965
Medicaid	7,390	7,155	7,540	7,495	7,505	7,780	8,330	8,400	8,690	9,625	10,705	10,555
Private insurance	11,665	12,340	12,900	12,405	11,890	12,565	13,305	12,720	12,045	13,200	14,560	13,990
Self-pay/no charge	2,655	2,980	3,165	3,085	2,955	3,465	3,880	3,800	3,040	2,675	2,875	2,690
Other	1,525	1,550	2,010	1,625	1,520	1,815	2,140	1,980	1,390	1,425	1,620	1,495
Missing/Invalid	160	170	220	220	85	85	145	105	80	105	110	100

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 4a-2: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Organism-Specific, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	45,565	46,920	50,710	50,090	47,905	48,920	51,925	50,440	54,220	51,570	52,275	53,465
Medicare Ages 18-64	9,330	9,740	10,745	10,235	10,485	10,320	10,600	10,405	10,575	10,735	10,670	10,950
Medicare Ages 65+	36,235	37,180	39,965	39,855	37,420	38,600	41,325	40,035	43,645	40,835	41,605	42,515
Medicaid	10,005	11,195	12,050	12,075	11,355	12,085	12,840	12,885	13,040	12,980	14,065	13,840
Private insurance	13,680	15,255	16,725	15,575	15,160	14,885	15,525	15,590	16,090	16,885	16,610	16,210
Self-pay/no charge	2,405	2,695	3,110	3,050	3,010	3,180	3,700	3,485	2,975	3,255	3,570	3,450
Other	1,445	1,720	1,790	1,750	1,830	1,845	2,055	1,700	1,990	1,810	2,020	1,865
Missing/Invalid	60	110	105	90	55	90	110	85	90	145	140	85

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 4a-3: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Organism-Specific, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	60,745	57,075	60,510	59,630
Medicare Ages 18-64	11,605	11,490	11,875	11,790
Medicare Ages 65+	49,140	45,585	48,635	47,840
Medicaid	14,275	14,595	15,640	15,255
Private insurance	17,515	18,340	18,895	19,105
Self-pay/no charge	3,855	4,010	4,365	4,470
Other	1,965	1,985	2,120	2,085
Missing/Invalid	145	100	150	120

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses

Table 4b-1: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Organism-Specific, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	1.2	1.3	1.3	1.3	1.2	1.3	1.4	1.3	1.2	1.3	1.4	1.3
Medicaid	1.0	0.9	1.0	1.0	1.0	1.0	1.1	1.2	1.1	1.1	1.2	1.2
Private insurance	0.7	0.7	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9
Self-pay/no charge	0.6	0.7	0.7	0.7	0.7	0.8	0.9	0.9	0.9	0.8	0.9	0.9
Other	0.6	0.6	0.8	0.7	0.7	0.8	0.9	0.9	0.7	0.8	0.9	0.8
Missing/Invalid	1.2	0.8	1.4	1.3	0.9	0.8	1.2	1.0	0.7	0.8	1.0	0.6

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 4b-2: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Organism-Specific, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	1.2	1.3	1.5	1.5	1.3	1.4	1.5	1.4	1.4	1.4	1.5	1.5
Medicaid	1.1	1.2	1.3	1.3	1.2	1.3	1.3	1.4	1.3	1.3	1.4	1.5
Private insurance	0.9	0.9	1.1	1.0	1.0	0.9	1.0	1.0	1.1	1.1	1.1	1.0
Self-pay/no charge	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.1	1.1	1.2	1.1
Other	0.8	0.9	0.9	0.9	1.0	0.9	1.1	0.9	1.1	1.0	1.1	1.0
Missing/Invalid	0.7	1.2	1.0	0.8	0.6	1.0	1.2	0.9	0.8	1.2	1.1	0.8

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 4b-3: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Organism-Specific, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	1.6	1.6	1.7	1.7
Medicaid	1.5	1.5	1.6	1.6
Private insurance	1.2	1.2	1.3	1.3
Self-pay/no charge	1.3	1.3	1.4	1.4
Other	1.1	1.1	1.2	1.1
Missing/Invalid	1.6	1.3	1.5	1.4

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses

Nonsevere Sepsis, Unspecified

Table 5a-1: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Unspecified, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	102,280	99,015	97,645	105,785	118,815	111,315	112,945	119,105	125,290	125,565	125,760	139,185
Medicare Ages 18-64	19,260	18,535	18,985	20,090	21,050	20,915	22,380	23,120	25,100	24,830	26,145	27,765
Medicare Ages 65+	83,020	80,480	78,660	85,695	97,765	90,400	90,565	95,985	100,190	100,735	99,615	111,420
Medicaid	16,215	16,145	16,800	17,570	19,070	19,125	20,445	21,265	26,005	27,160	29,030	31,635
Private insurance	26,015	26,875	29,090	28,760	30,825	31,530	33,205	34,560	36,830	38,770	41,410	41,895
Self-pay/no charge	7,270	7,375	8,015	8,555	8,755	9,455	9,905	10,855	9,945	8,950	9,210	9,375
Other	3,910	3,730	4,015	4,355	4,660	4,565	4,910	5,005	4,395	4,140	4,530	4,565
Missing/Invalid	250	525	500	430	245	230	340	290	360	425	405	350

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 5a-2: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Unspecified, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	158,415	152,195	146,505	151,850	172,755	160,315	158,835	171,400	190,890	177,265	170,175	186,970
Medicare Ages 18-64	28,805	30,600	30,745	31,020	34,110	32,210	32,565	33,885	35,505	34,790	34,105	35,090
Medicare Ages 65+	129,610	121,595	115,760	120,830	138,645	128,105	126,270	137,515	155,385	142,475	136,070	151,880
Medicaid	32,850	35,200	36,560	36,670	42,055	39,165	40,000	41,655	43,820	44,145	43,910	46,435
Private insurance	45,410	48,300	50,890	49,220	53,775	51,820	53,195	54,630	55,525	55,410	56,665	57,260
Self-pay/no charge	9,215	9,770	10,810	10,780	11,530	10,650	11,225	12,260	12,120	12,495	13,850	14,365
Other	4,715	5,545	5,730	5,690	6,405	6,295	6,265	6,350	6,640	6,680	6,410	6,905
Missing/Invalid	290	330	285	390	300	315	300	320	410	405	490	425

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 5a-3: Number of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Unspecified, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	206,740	184,330	177,175	181,990
Medicare Ages 18-64	38,740	36,275	35,920	35,440
Medicare Ages 65+	168,000	148,055	141,255	146,550
Medicaid	48,375	46,975	46,950	47,300
Private insurance	60,820	59,340	60,750	60,200
Self-pay/no charge	14,445	14,675	15,205	16,155
Other	7,300	6,625	6,710	7,030
Missing/Invalid	340	355	360	395

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses

Table 5b-1: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Unspecified, By Payer and Discharge Quarter, 2012-2014

Payer Category	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4
Medicare	2.7	2.8	2.8	3.0	3.2	3.2	3.3	3.5	3.6	3.6	3.7	4.0
Medicaid	2.1	2.1	2.2	2.4	2.6	2.6	2.7	3.0	3.2	3.1	3.2	3.5
Private insurance	1.5	1.6	1.8	1.7	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.6
Self-pay/no charge	1.7	1.7	1.8	2.0	2.1	2.2	2.2	2.5	2.8	2.8	2.9	3.1
Other	1.6	1.6	1.7	1.9	2.1	2.0	2.1	2.2	2.3	2.3	2.5	2.6
Missing/Invalid	1.9	2.6	3.1	2.5	2.6	2.3	2.9	2.7	3.3	3.2	3.6	2.2

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses

Table 5b-2: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Unspecified, By Payer and Discharge Quarter, 2015-2017

Payer Category	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4
Medicare	4.3	4.3	4.3	4.4	4.8	4.6	4.6	4.9	5.0	4.9	4.9	5.2
Medicaid	3.6	3.8	3.8	4.0	4.4	4.1	4.1	4.4	4.5	4.5	4.5	4.9
Private insurance	2.9	3.0	3.2	3.1	3.4	3.3	3.4	3.5	3.6	3.6	3.8	3.7
Self-pay/no charge	3.3	3.4	3.6	3.7	4.1	3.7	3.7	4.1	4.4	4.3	4.5	4.7
Other	2.6	2.9	3.0	3.0	3.3	3.2	3.2	3.4	3.6	3.6	3.5	3.8
Missing/Invalid	3.4	3.7	2.8	3.6	3.5	3.5	3.3	3.5	3.4	3.4	3.8	3.8

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-9-CM Diagnoses from 2015 Q1-2015 Q3 and ICD-10-CM Diagnoses from 2015 Q4-2017 Q4

Table 5b-3: Percent of Adult, Nonmaternal Inpatient Stays with a Diagnosis of Non-Severe Sepsis, Unspecified, By Payer and Discharge Quarter, 2018

Payer Category	2018 Q1	2018 Q2	2018 Q3	2018 Q4
Medicare	5.4	5.1	5.1	5.1
Medicaid	5.0	4.8	4.8	5.0
Private insurance	4.1	4.0	4.1	4.0
Self-pay/no charge	4.9	4.8	4.7	5.1
Other	4.0	3.6	3.6	3.9
Missing/Invalid	3.8	4.7	3.6	4.5

Source: Agency for Healthcare Research and Quality (AHRQ), Healthcare Cost and Utilization Project (HCUP), National Inpatient Sample (NIS), ICD-10-CM Diagnoses