

NEBRASKA

Good Life. Great Mission.

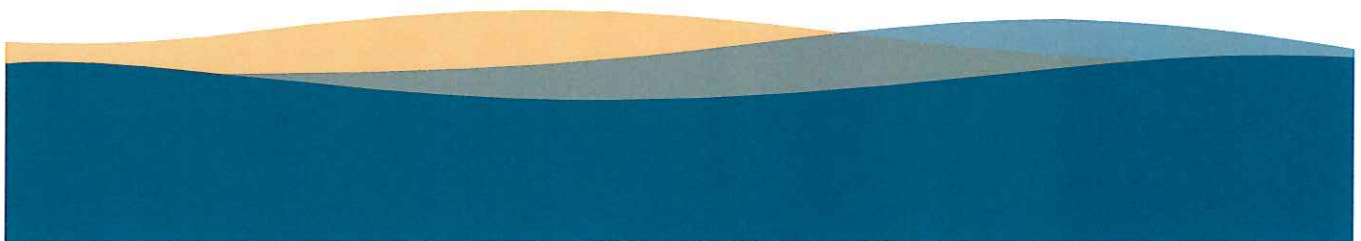
DEPT. OF HEALTH AND HUMAN SERVICES

Division of Public Health

Outpatient Surgical Procedures Annual Report

4/17/18

Nebraska State Statute 81-6,116



NEBRASKA

Good Life. Great Mission.

DEPT. OF HEALTH AND HUMAN SERVICES



Pete Ricketts, Governor

April 17, 2018

Senator Merv Riepe
State Capitol, Room 1402
P.O. Box 94604
Lincoln, NE 68509

RE: 2016 Nebraska Outpatient Surgical Procedures Annual Report

Dear Senator Riepe:

In accordance with Nebraska State Statute 81,6,116, please find attached a copy of the 2016 Nebraska Outpatient Surgical Procedures Annual Report. This report is for the period January 1, 2016 through December 31, 2016 and demonstrates the work accomplished by the Nebraska Department of Health and Human Services, Office of Health Statistics. This report presents the most recent data from the Nebraska outpatient surgical procedures database regarding outpatient surgical procedures performed at licensed hospitals and ambulatory surgical facilities in Nebraska.

Please feel free to contact me if you have any questions.

Sincerely,

Thomas L. Williams, M.D.
Chief Medical Officer
Director, Division of Public Health
Department of Health and Human Services

INTRODUCTION

The purpose of this report is to present the most recent data from the Nebraska outpatient surgical procedures database. This report also fulfills the requirements of the legislation that established the outpatient surgical procedures database, a copy of which is presented in **Appendix A**. These data include outpatient surgical procedures that were performed between January 1, 2016 and December 31, 2016 at licensed hospitals and ambulatory surgical facilities in Nebraska. An outpatient surgical procedure is defined as any surgical procedure that does not require an inpatient hospitalization.

The outpatient surgical procedures database was established by the Nebraska Unicameral in 2003, with three stated goals: 1) to collect and compile outpatient surgical procedure information from hospitals and ambulatory surgical facilities; 2) to use and disclose such information for public health purposes; and 3) to prepare and publish an annual statistical report. All hospitals and ambulatory surgical facilities within the State of Nebraska that are licensed under the Health Care Facility Licensure Act are required to report the following outpatient surgical and related information to the Nebraska Department of Health and Human Services (DHHS): 1) the name of the reporting facility; 2) the facility portion of billed charges for each patient served at the facility; 3) the county and state of residence by zip code for each patient served at the facility; 4) the primary outpatient surgical procedure performed for each patient at the facility, reported by Current Procedural Terminology (CPT) codes or Health Care Financing Administration codes; and 5) the primary source of payment for each patient served at the facility, reported as follows: a) private sources must be reported as either self-pay, commercial insurance, or worker's compensation; and b) public sources must be reported as either Medicaid, Medicare, or other government source. Certain procedures (collection of venous blood and capillary blood specimens, and childbirth [excluding deliveries by Caesarian section]) are exempt from the reportable list of procedures. Facilities must provide these data annually to DHHS no later than May 1 of each year for the preceding calendar year. All information obtained from the medical records of individual patients is considered confidential and cannot be disclosed by DHHS in a way that would identify an individual patient.

In addition to publishing an annual statistical report, the legislation that established the outpatient surgical procedures database also requires that certain information be included as part of this report. Specifically, the report must include: 1) the 20 most frequently performed outpatient surgical procedures by type of procedure; 2) the total number of persons served for each of the 20 most frequently performed procedures; 3) the total number of persons served by county, service region, and state of residence for all procedures performed, and 4) the average billed charges for the twenty most frequently performed procedures, by county and state of residence.

RESULTS

A total of 286,841 outpatient surgical procedures were performed at the Nebraska hospitals and ambulatory surgical facilities that reported their data for the year 2016. As in previous years, the data presented in this report were limited to outpatient surgical procedures that were assigned a CPT surgical procedure code between 10021 and 69990. One hundred and thirty-two (132) hospitals and ambulatory surgical facilities in Nebraska that performed outpatient surgical procedures during 2016 provided data which is included in this report. **Table 1** presents the 20 most frequently performed outpatient surgical procedures, by number and type of procedure (but limited to primary [i.e., first-listed] procedures only), and the average billed charge per type of procedure. The most frequently performed outpatient surgical procedure was cataract surgery with insertion of intraocular lens, resulting in 21,277 procedures reported, followed by colonoscopy with biopsy, which resulted in 20,469 procedures reported. The average billed charge for the top 20 procedures is limited to those cases where just one procedure was reported, as the hospitals and ambulatory surgical facilities did not provide an itemized breakdown of their charges when more than one procedure was performed.

Tables 2 and 3 present the number of outpatient surgical procedures by the patient's place of residence and the place where these services were obtained. **Table 2** presents these data for Nebraska residents, by county of residence and place of service. **Table 3** presents these data for patients who live outside of Nebraska, by state of residence and place of service. In both tables, the places where outpatient surgical procedures were obtained are grouped by county into five regions; the counties that are included in each region are listed in the **Table 3** footnote and are shown on the map in **Appendix B**.

Tables 4 and 5 present the average billed charges for the 20 most frequently performed outpatient surgical procedures, by the patient's place of residence. **Table 4** presents these data by county for Nebraska residents. **Table 5** presents these data by state of residence for out-of-state residents. As in **Table 1**, average billed charges reported in these two tables are limited to only those cases where just one procedure was reported.

Table 1. Twenty most frequent outpatient surgical procedures performed at Nebraska hospitals and ambulatory surgical centers, by number and type of procedure (primary procedure only), with average billed charge per type of procedure, 2016

Type of Procedure	CPT Code #	# Procedures	Average Billed Charge (\$)
Cataract surgical with insertion of intraocular lens (one stage procedure)	66984	21,277	4,303
Colonoscopy, with biopsy	45380	20,469	4,454
Diagnostic/screening colonoscopy	45378	19,187	2,534
Upper gastrointestinal endoscopy, with biopsy	43239	17,722	4,195
Lesion removal colonoscopy	45385	9,913	3,985
Cystoscopy	52000	9,809	1,190
Injection, single, epidural or subarachnoid; Lumbar, sacral (caudal)	62311	6,234	2,085
Injection, anesthetic agent &/or steroid, transformational epidural, Lumbar or sacral, single level	64483	4,840	2,320
Dental surgery procedure (unlisted procedure, dentoalveolar structures)	41899	4,803	6,668
Create eardrum opening	69436	4,740	4,560
Laparoscopic cholecystectomy	47562	4,161	14,672
Upper gastrointestinal endoscopy, diagnostic	43235	4,116	3,773
Carpal Tunnel surgery	64721	3,390	5,058
Knee arthroscopy/surgery	29881	3,221	8,263
After cataract Laser surgery	66821	3,108	1,054
Remove tonsils and adenoids	42820	3,046	7,068
Debride skin, subcutaneous tissue	11042	2,980	1,675
Diagnostic or Therapeutic procedures on the paravertebral spinal nerves and branches	64493	2,942	2,639
Insertion of central venous access devices with subcutaneous port	36561	2,714	11,444
Under Vitreous procedures on the Posterior Segment of the Eye	67028	2,435	1,346

Table 2. Total number of outpatient surgical procedures performed at Nebraska hospitals and ambulatory surgical centers, by patient's county of residence and place (region) of service, Nebraska residents only, 2016

County of Residence	Region of Service (for key to regions, see footnote at end of Table 3)					TOTAL
	Central	East	North	Southeast	West	
Adams	3,017	491	76	237	8	3,829
Antelope	15	127	615	14	0	771
Arthur	0	1	0	0	32	33
Banner	0	0	0	0	30	30
Blaine	34	15	5	3	8	65
Boone	83	155	463	39	0	740
Box Butte	3	14	4	11	943	975
Boyd	5	42	158	4	0	209
Brown	57	38	178	12	18	303
Buffalo	3,462	624	11	103	28	4,228
Burt	1	501	728	10	0	1,240
Butler	5	272	302	690	0	1,269
Cass	0	3,891	29	799	0	4,719
Cedar	2	92	384	7	0	485
Chase	34	19	0	9	414	476
Cherry	59	52	297	19	100	527
Cheyenne	1	7	0	7	1,124	1,139
Clay	534	100	3	229	1	867
Colfax	1	309	1,006	125	1	1,442
Cuming	0	288	1,171	17	0	1,476
Custer	1,057	140	6	94	142	1,439
Dakota	0	217	109	3	0	329
Dawes	4	16	0	6	416	442
Dawson	948	280	13	77	1,324	2,642
Deuel	6	16	1	0	175	198
Dixon	0	65	208	3	0	276
Dodge	4	2,668	7,944	58	0	10,674
Douglas	14	80,010	553	2319	7	82,903
Dundy	40	16	0	7	171	234
Fillmore	52	97	1	782	0	932
Franklin	311	54	0	16	1	382
Frontier	89	35	0	9	215	348
Furnas	473	70	1	43	214	801
Gage	1	209	5	3,005	0	3,220
Garden	13	20	2	3	277	315
Garfield	209	38	3	12	2	264
Gosper	148	18	5	8	79	258
Grant	5	13	0	3	69	90
Greeley	183	44	83	34	1	345
Hall	6,626	697	20	343	1	7,687
Hamilton	947	105	6	169	0	1,227
Harlan	309	39	2	18	5	373
Hayes	14	11	1	1	110	137
Hitchcock	50	27	2	16	283	379
Holt	124	220	1,214	36	2	1,596
Hooker	13	13	6	0	73	105
Howard	687	55	2	37	0	781
Jefferson	7	89	2	944	1	1,043
Johnson	0	80	0	588	0	668

County of Residence	Region of Service (for key to regions, see footnote at end of Table 3)					TOTAL
	Central	East	North	Southeast	West	
Kearney	532	57	4	34	8	635
Keith	47	56	8	12	833	956
Keya Paha	16	4	71	4	4	99
Kimball	0	4	0	0	190	194
Knox	1	88	438	7	0	534
Lancaster	27	3,837	76	32,277	18	36,926
Lincoln	276	457	1	118	4,142	4,994
Logan	14	20	0	0	86	120
Loup	44	9	0	1	1	55
Madison	11	954	3,777	76	0	4,818
McPherson	6	0	0	3	21	30
Merrick	759	135	83	119	1	1,096
Morrill	2	1	0	3	455	461
Nance	131	51	121	26	1	330
Nemaha	1	309	0	610	0	920
Nuckolls	514	51	1	82	3	651
Otoe	0	587	1	1,566	0	2,154
Pawnee	0	41	0	275	0	316
Perkins	27	3	0	4	224	257
Phelps	1,265	114	0	35	15	1,429
Pierce	1	130	577	13	0	721
Platte	66	1,251	3,659	380	3	5,359
Polk	59	96	131	352	0	638
Red Willow	251	106	0	37	1,143	1,537
Richardson	0	263	1	760	0	1,024
Rock	10	19	89	3	7	128
Saline	4	147	2	1,840	0	1,993
Sarpy	4	26,812	116	573	1	27,506
Saunders	4	1,708	710	1,224	1	3,647
Scotts Bluff	6	33	0	6	2,926	2,971
Seward	7	198	14	2,031	0	2,250
Sheridan	1	10	8	1	243	263
Sherman	275	28	2	12	1	318
Sioux	0	2	1	0	23	26
Stanton	0	68	220	7	0	295
Thayer	63	69	1	604	0	737
Thomas	20	5	11	2	45	83
Thurston	0	226	238	4	0	468
Valley	328	47	5	34	2	416
Washington	1	2,288	1,262	106	0	3,657
Wayne	1	149	727	7	0	884
Webster	392	39	0	24	0	455
Wheeler	33	9	25	3	1	71
York	154	182	15	1,620	0	1,971
County Not Reported	119	18	785	0	0	922
TOTAL	25,119	133,082	28,798	55,866	16,671	259,536

Table 3. Total number of outpatient surgical procedures performed at Nebraska hospitals and ambulatory surgical centers, by patient state of residence and place (region) of service, non-Nebraska residents only, 2016

State of Residence	Region of Service (for key to regions, see footnote at end of table)					TOTAL
	Central	East	North	Southeast	West	
Alabama	1	10	0	3	0	14
Alaska	0	2	0	5	2	9
Arizona	11	44	3	16	8	82
Arkansas	1	34	0	6	0	41
California	2	54	5	19	7	87
Colorado	18	58	1	18	124	219
Connecticut	0	1		0	0	1
Delaware	0	0	0	0	0	0
Florida	2	85	0	9	1	97
Georgia	3	26	0	2	1	32
Hawaii	0	3	0	0	0	3
Idaho	0	13	2	0	1	16
Illinois	2	50	0	15	1	68
Indiana	0	11	0	1	0	12
Iowa	4	21,113	332	702	4	22,155
Kansas	817	457	9	540	326	2,149
Kentucky	1	4	1	3	0	9
Louisiana	0	10	6	1	0	17
Maine	0	1	0	1	0	2
Maryland	2	14	0	1	0	17
Massachusetts	0	10	0	1	0	11
Michigan	2	21	0	4	1	28
Minnesota	9	51	4	10	1	75
Mississippi	0	10	0	0	0	10
Missouri	5	558	17	124	3	707
Montana	0	10	1	1		12
Nevada	0	17	0	6	0	23
New Hampshire	0	0	0	0	0	0
New Jersey	0	5	0	1	1	7
New Mexico	0	25	2	0	1	28
New York	4	19	0	1	0	24
North Carolina	0	14	0	2	0	16
North Dakota	1	30	1	2	0	34
Ohio	1	10	1	1	0	13
Oklahoma	3	24	0	4	4	35
Oregon	1	13	1	3	0	18
Pennsylvania	0	8	0	3	0	11
Rhode Island	0	0	0	0	0	0
South Carolina	1	8	0	2	0	11
South Dakota	7	279	54	26	53	419
Tennessee	1	11	0	6	1	19
Texas	9	138	25	28	5	205
Utah	1	3	0	2	1	7
Virginia	1	15	0	2	3	21
Virgin Island	0	1	0	0	0	1
Washington	2	18	1	6	0	27
Wisconsin	3	17	1	1	0	22
West Virginia	0	0	0	1	0	1
Wyoming	6	17	1	8	451	483

State of Residence	Region of Service (for key to regions, see footnote at end of table)					TOTAL
	Central	East	North	Southeast	West	
Unknown	0	0	0	1	4	5
TOTAL	921	23,323	469	1,588	1,004	27,305

NOTE: Regions of service are comprised of the following groups of counties:

Central—Adams, Blaine, Buffalo, Clay, Custer, Franklin, Garfield, Greeley, Hall, Hamilton, Harlan, Howard, Kearney, Loup, Merrick, Nuckolls, Phelps, Sherman, Valley, Webster, and Wheeler Counties.

East—Douglas and Sarpy Counties

North—Antelope, Boone, Boyd, Brown, Burt, Cedar, Cherry, Colfax, Cuming, Dakota, Dixon, Dodge, Holt, Keya Paha, Knox, Madison, Nance, Pierce, Platte, Rock, Stanton, Thurston, Washington, and Wayne Counties

Southeast—Butler, Cass, Fillmore, Gage, Jefferson, Johnson, Lancaster, Nemaha, Otoe, Pawnee, Polk, Richardson, Saline, Saunders, Seward, Thayer, and York Counties

West—Arthur, Banner, Box Butte, Chase, Cheyenne, Dawes, Dawson, Deuel, Dundy, Frontier, Furnas, Garden, Gosper, Grant, Hayes, Hitchcock, Hooker, Keith, Kimball, Lincoln, Logan, McPherson, Morrill, Perkins, Red Willow, Scotts Bluff, Sheridan, Sioux, and Thomas Counties

Table 4. Average billed charge (in dollars) for the twenty most frequent outpatient surgical procedures performed at Nebraska hospitals and ambulatory surgical centers, by patient county of residence, Nebraska residents only, 2016

County of Residence	Type of Procedure (for key to procedure codes, see footnote at end of Table 5)																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Adams	1,541	5,385	3,242	5,063	5,553	1,092	1,467	1,634	5,026	3,983	13,861	4,525	4,380	8,554	332	6,449	3,253	1,732	9,663	2,501
Antelope	3,666	3,055	2,755	3,685	2,656	965	1,336	1,430	3,696	2,929	11,367	2,744	3,496	7,164	784	8,594		1,411	7,455	
Arthur	5,796	4,803	4,295						10,196						800		6,575			150
Banner	1,700	4,048	1,999	3,078	2,939		2,045	2,303			14,234							2,876		
Blaine	4,878	2,324	2,322	6,181		1,247		1,175	9,459		12,432			5,572		2,831				
Boone	2,568	3,017	2,303	3,900	2,686	1,479	1,520	1,572	4,685	3,964	11,381	1,610	3,222	6,735	729	5,307		1,364	6,362	
Box Butte	2,492	4,170	3,642	3,969	3,731	2,030	2,142	1,518	5,579	3,591	15,384	4,585	5,236	11,679	800	7,208		2,058	9,158	154
Boyd	5,545	3,053	3,107	3,425	2,834	914	2,015		2,051			5,158	4,124	9,015		7,668			1,186	
Brown	4,516	4,119	2,748	3,696	4,989	1,570	1,624	1,434	12,385		15,427	3,850	4,376	8,432	772	4,972		2,201	7,036	
Buffalo	3,085	4,293	2,278	4,566	3,186	3,203	1,959	1,313	7,943	2,102	13,329	3,974	4,279	6,065	900	5,185	4,847	2,982	7,812	2,480
Burt	4,552	3,967	2,713	4,585	3,817	1,051	2,570	3,131	7,920	4,400	10,733	3,981	4,588	7,831	900	6,460	7,702	2,234	13,495	
Butler	2,785	3,362	2,370	3,980	3,184	1,481	1,250	1,747	6,445	4,915	13,329	2,186	3,886	7,391	916	5,933	2,171	1,448	10,090	
Cass	4,882	5,096	3,132	4,347	4,505	1,201	2,090	1,999	8,353	4,780	15,768	4,426	5,579	9,291	1,254	6,820	1,199	1,938	12,786	6,577
Cedar	3,673	3,163	2,953	4,001	4,463	914	1,533	1,433	5,015	2,592	9,665	6,382	8,129	8,150		5,048		1,672	7,125	
Chase	5,178	3,210	3,004	4,235	3,202	2,807	1,506	1,838	6,261	3,146	12,309	2,803	3,355	6,167	1,051	5,716			6,110	
Cherry	4,210	3,231	2,321	3,653	4,454	1,033	2,426	2,106	3,527		12,181	3,225	4,076	6,674		3,861		2,874	8,689	4,044
Cheyenne	4,397	4,868	3,227	5,245	5,232	3,190	3,082	3,406	8,282	5,338	18,612	3,725	6,868	9,861	800	7,502		3,548	10,190	152
Clay	2,715	5,358	3,340	4,189	4,644	1,709	1,565	3,053	6,932	4,275	18,405	7,132	3,164	6,479	393	6,488	1,063	3,737	6,806	
Colfax	2,649	4,267	2,751	3,252	4,103	1,165	1,352	1,579	2,669	4,558	14,394	2,548	4,562	7,186	709	6,238	1,303	3,381	8,987	
Cuming	5,104	3,647	2,554	3,883	4,190	993	1,846	1,648	8,230	4,175	12,584	2,105	3,410	8,453	790	7,827	3,918	4,199	8,559	
Custer	4,229	3,801	2,480	3,882	4,178	1,860	1,451	1,902	6,627	2,008	10,421	4,368	3,219	4,711	1,466	5,347	3,787	2,414	7,686	
Dakota	4,315	5,443	3,379	5,427		987	2,160	6,480	6,625	5,089	12,807	1,450	3,356	14,400		10,436		2,384	9,828	4,419
Dawes	5,221	3,464	2,670	3,854	3,258			2,734	4,944	6,062	14,536	3,266	6,406	7,899	800	7,140	2,826	1,859	13,907	159
Dawson	4,622	4,826	2,856	4,032	5,909	1,931	2,157	1,856	6,483	3,127	14,194	3,445	3,795	6,460		5,678	1,800	1,335	9,089	
Deuel	5,045	5,706	3,674	4,982	5,255		2,469	3,646	688		17,634	2,232	4,190		800	4,629		2,139	9,495	159
Dixon	4,422	3,675	3,163	5,442	5,496	1,195	1,873	1,580	5,834	5,409	11,910		3,942	6,995		4,961		2,137	8,974	
Dodge	3,767	4,143	2,542	3,675	3,343	970	1,850	3,342	3,913	3,973	16,010	3,298	3,900	10,361	850	7,107	6,924	3,456	12,696	5,155
Douglas	5,082	4,705	2,615	4,346	4,017	1,377	2,485	2,897	7,841	5,276	18,748	3,652	6,836	10,847	978	10,034	10,895	2,932	14,036	6,482
Dundy	5,452	3,154	4,518	2,725	2,976	10,380	1,480	1,654	4,172	3,194	14,884	6,642	2,473	6,434	1,236	8,207		2,157	10,304	
Fillmore	3,904	3,742	2,521	3,161	4,446	1,406	1,664	2,296	1,387	3,412	11,437	4,151	3,624	7,913	1,319	6,089	236	2,044	9,490	
Franklin	2,640	4,368	3,153	5,224	5,061		2,394	1,293	4,117	1,826	14,793	1,360	3,198	6,613	237	6,114		1,310	8,026	7,770

County of Residence	Type of Procedure (for key to procedure codes, see footnote at end of Table 5)																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Frontier	5,234	3,747	2,103	2,933	2,765	736	2,085	2,291	5,267	3,719	11,869	2,952	3,005	8,258		7,520		1,654	10,884	
Furnas	4,660	4,118	3,763	3,761	5,293	901	1,991	1,626	4,481	1,799	10,744	3,013	3,552	5,204	1,242	5,009	772	2,398	8,743	
Gage	4,739	4,666	2,706	4,079	4,608	1,218	1,793	3,000	3,711	3,444	11,981	3,713	4,546	8,690	1,294	4,917	1,200	2,993	7,978	1,237
Garden	4,630	4,283	3,763	4,387	5,701	3,396	2,128	2,033	1,220	6,339	18,674	2,725	6,152	13,696	810	7,263		3,348	5,190	150
Garfield	4,267	5,657	2,336	8,126	2,480	1,197	824	1,175	4,951	1,200	9,878	2,851	3,229	6,561	932	4,719			8,010	
Gosper	3,612	4,461	2,336	4,296	4,380	881	1,562	1,709	7,624	2,767		2,754	3,270	6,680		3,307			12,210	
Grant	2,939	3,788	3,320	3,931	3,499			2,096	725		13,059		6,648	11,058	800	8,987			9,117	150
Greeley	3,794	2,332	2,090	4,039	3,243	1,152	1,148	1,413	1,631	3,372	16,444	7,309	2,274	4,271	669	5,602	671	1,141	5,574	
Hall	3,727	2,130	1,438	2,395	2,124	2,226	1,189	1,903	2,021	3,124	10,812	3,817	1,945	3,492	653	5,814	1,263	3,661	5,409	
Hamilton	4,336	3,456	2,338	3,171	3,785	1,295	1,234	2,044	2,171	3,713	10,670	1,578	2,659	5,499	900	5,278	772	897	7,773	
Harlan	2,768	4,008	2,502	3,991	6,949	881	1,927	1,393	6,583	2,314	18,658	3,369	3,413	5,938	1,800	6,884		1,812	3,751	
Hayes	5,642	5,033	5,457	4,067	3,803		1,953	1,740	8,432	1,069	11,363	2,633			1,207	4,905			15,525	
Hitchcock	5,491	4,804	3,559	4,156	1,865	881	1,968	1,898	6,282	2,752		3,487	3,991	5,954	1,164	7,321	934		10,727	
Holt	5,459	3,545	3,089	3,345	3,543	1,070	1,613	1,487	5,505	3,838	11,671	4,681	4,801	8,311		6,787	2,828	1,873	10,535	
Hooker	4,342	3,185	2,624	4,234		403		2,097	688		4,971	10,574	3,851	5,479	800				8,926	6,765
Howard	3,697	2,286	1,753	2,986	2,081	914	1,203	2,105	2,495	2,574	8,756	6,333	1,200	2,987	445	5,223		5,232	4,969	
Jefferson	4,549	3,536	2,613	3,946	4,243	1,144	1,607	2,514	1,970	3,273	11,605	3,134	3,638	8,708	1,341	4,484	1,558	1,554	6,707	
Johnson	4,338	4,205	2,386	3,915	2,982	770	1,750	1,911	4,444	5,761	11,176	2,771	4,894	7,086	1,160	5,122	931	4,616	8,896	
Kearney	2,663	4,453	2,637	3,583	4,077	1,254	2,506	2,681	5,444	2,108	15,084	6,493	2,027	3,449	237	2,831	7,336	1,749	8,187	
Keith	5,003	5,305	3,587	4,806	6,426	2,792	1,500	2,303	5,839	8,701	19,798	4,500	4,914	8,137	885	6,417	10,261	1,310	10,324	155
Keya Paha	4,810	3,817	3,048	3,805		470	1,433		2,715				4,321	7,401				1,936		
Kimball	1,800	4,258	2,476	4,384			2,292	3,019	11,896	6,083	13,643		7,200	11,662	800	7,912		3,640	7,054	381
Knox	4,006	4,099	3,476	3,377	4,441	897	1,748	2,190	5,179	3,195	14,645	3,471	3,036	8,369	860	14,803		2,153	5,834	4,549
Lancaster	4,706	4,543	1,553	3,019	3,805	839	1,931	2,277	4,623	3,471	12,867	3,344	3,844	6,039	1,288	4,277	1,088	2,713	8,863	6,438
Lincoln	4,882	2,916	3,227	2,515	6,023	4,365	1,879	2,434	5,583	4,623	10,359	3,696	3,442	5,994	1,000	5,636	9,450	2,096	9,331	3,252
Logan	4,867	1,670	3,303	2,451	3,284			2,288	8,372		27,978		4,686	5,572		3,782			7,538	
Loup	4,089	9,622	1,722	5,643	12,211	1,280	2,832	2,473	5,239			5,287	2,581	5,572		7,057				
Madison	3,239	2,572	1,863	3,144	1,983	1,720	1,418	1,338	6,022	3,192	11,732	3,767	4,119	8,374	844	7,197	3,967	1,593	7,782	4,537
McPherson	5,938	1,207	4,423	3,041										5,433		13,128				
Merrick	4,598	3,444	2,120	2,986	2,656	1,732	1,123	2,164	1,825	3,122	9,577	4,118	3,984	4,640	729	5,950	6,718	1,212	4,417	
Morrill	1,700	4,520	3,843	4,376	3,419	2,473	2,367	3,022	7,055	6,456	19,606	3,244	5,782	13,528	835	7,423	6,713	2,582	10,488	150
Nance	2,744	3,172	2,101	3,826	2,367	914	1,377	1,200	7,739	1,691	7,907	4,611	1,646	4,598	680	3,615	1,055	1,641	3,250	
Nemaha	4,365	4,609	2,504	4,231	4,414	1,477	2,044	3,142	7,922	3,982	12,971	3,683	3,763	6,034	1,104	7,368	1,131	4,715	17,944	

Type of Procedure (for key to procedure codes, see footnote at end of Table 5)																				
County of Residence	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
Nuckolls	2,132	3,311	2,847	3,432	3,025		1,708	1,195	2,500	5,693	14,096	3,510	2,509	4,549	318	6,334		2,416	5,634	
Otoe	4,469	4,436	2,262	3,493	4,159	1,084	2,069	2,529	7,049	3,708	9,767	2,783	4,047	5,766	1,295	7,020	951	2,436	10,737	7,779
Pawnee	4,493	6,285	2,457	7,735	4,943	812		2,436	8,518	4,188	11,598	2,610	2,817	7,708	1,421	9,675	1,037		16,692	
Perkins	5,171	3,258	3,206	2,482	3,549		2,812	2,383	3,625	5,430	7,754	2,943	4,946	6,521	800	3,782			8,443	150
Pheps	2,490	3,226	3,094	3,955	4,115	3,015	1,967	1,336	5,383	3,087	13,577	2,867	3,672	7,493	1,000	7,930	607	1,940	10,297	
Pierce	3,778	4,037	2,891	3,456	3,353	1,389	1,580	1,683	4,049	2,870	10,622	3,234	3,651	8,397	680	9,125	2,460	1,858	6,745	
Platte	2,577	4,359	2,015	3,768	2,633	2,111	1,661	1,882	3,455	3,931	12,524	3,585	3,613	8,460	717	6,729		1,723	7,929	5,770
Polk	3,060	3,271	2,329	3,133	3,179	1,556	1,732	1,558	6,403	3,757	13,257	2,553	3,655	6,340	820	5,851	772	2,344	7,440	
Red Willow	5,395	4,548	3,467	4,407	3,512	2,634	2,041	1,983	5,003	2,881	12,382	4,210	3,493	6,729	1,217	5,518	5,105	2,189	7,806	
Richardson	3,884	5,837	2,336	4,771	4,960	736	3,057	3,542	8,877	5,372	9,188	3,931	4,581	7,761	1,281	6,737	1,743	1,893	9,646	
Rock	4,359	4,601		5,691	1,502	881	1,237		607				5,327	6,340		4,631		1,838	7,221	
Saline	4,358	3,120	1,794	3,834	3,980	802	1,030	2,803	5,943	3,075	10,120	1,965	3,425	6,027	1,407	4,187	967	3,420	8,716	
Sarpy	4,681	5,791	3,480	5,487	4,839	1,480	2,181	2,403	9,249	5,444	17,691	4,128	7,128	10,917	1,177	9,795	9,206	2,848	14,135	5,675
Saunders	4,503	4,999	2,279	4,030	3,707	946	1,596	2,657	7,786	5,240	12,873	2,825	4,300	7,127	1,159	8,228	2,218	2,442	11,810	8,420
Scotts Bluff	1,720	3,579	2,497	3,738	3,225	2,618	2,349	2,543	7,637	6,000	17,564	3,501	6,603	12,144	815	8,130	6,901	1,954	9,879	155
Seward	4,096	3,490	2,337	2,948	3,556	871	1,938	2,372	4,369	3,145	12,493	3,202	4,015	5,826	1,255	4,432	1,119	2,001	12,128	6,525
Sheridan	5,192	3,208	2,832	3,740	3,081		4,074	2,866	4,280	4,428	16,146	3,741	6,482	11,285	800	7,108		2,261	5,577	150
Sherman	3,981	3,728	2,403	4,188	3,272		967	1,301		1,306	12,345	4,555	2,213	5,572	928	5,245		5,250	7,122	
Sioux	1,700	3,648	2,239	3,225						6,064				7,963	800					150
Stanton	3,234	3,360	2,763	3,130	2,375	1,921	1,829	1,487		1,751	8,314	5,290	3,534	8,674	680			1,765	1,936	5,818
Thayer	3,772	3,562	2,443	3,989	5,070	1,560	901	1,619	11,739	3,690	11,109	2,598	4,017	6,658	938	4,826	669	1,609	7,906	10,846
Thomas	4,713	2,434	1,527	3,050		1,910		3,219	3,605		11,235			2,700		3,662				
Thurston	4,506	5,037	3,078	4,219	5,574	881	1,953	1,609	2,255	5,366	10,700	4,471	5,237	6,672	850	8,493			13,657	5,050
Valley	4,258	3,711	2,312	4,225	1,319	1,518	833	1,175	8,086	5,445	12,677	9,956	2,239	5,095	926	6,518	1,012	2,260	11,568	
Washington	4,992	4,543	2,593	4,245	3,727	988	2,566	2,083	5,800	5,283	18,439	2,428	5,517	10,426	968	8,024	16,749	2,539	13,205	2,929
Wayne	4,100	3,207	2,758	3,875	3,032	5,754	1,762	1,774	4,640	3,078	10,761	6,253	3,107	5,095	1,197	6,372	3,059	2,192	7,281	
Webster	1,656	4,601	3,092	5,050	4,842	736	1,440	1,284	10,258	2,706	17,285	3,108	3,768	6,627	403	6,321	6,398	5,250	6,759	
Wheeler	4,507	2,377		3,901	2,800	1,626	1,423	1,486				4,709	3,707	2,700	926	5,380				
York	3,450	3,638	2,383	3,456	3,372	2,437	2,327	2,260	5,077	3,492	11,050	3,429	3,225	6,652	1,312	4,766	1,028	3,308	8,724	6,326
County Not Reported	2,919	1,507	1,333	1,299	1,531		1,079	1,680	1,978	5,378	7,600		3,905	8,432		2,979		1,434	3,474	

NOTE: Average billed charges in **bold** are based on five or fewer procedures

Table 5. Average billed charge (in dollars) for the twenty most frequent outpatient surgical procedures performed at Nebraska hospitals and ambulatory surgical centers, by patient state of residence, non-Nebraska residents only, 2016

State of Residence	Type of Procedure (for key to procedure codes, see footnote at end of table)																				
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
Alabama	4,751		1,400	8,170		795															
Alaska	3,996			4,375											1,000						
Arizona	3,825	2,687		3,851	2,117		2,524	3,538			13,193	13,075			850				1,238		
Arkansas	1,983	11,058	912	12,023	5,672						10,213	2,800		6,836							
California	2,628	3,047	3,116	3,721	5,519	1,226		4,709				1,450		8,223			2,587	2,306		7,939	
Colorado	4,500	5,393	3,664	5,880	3,168		1,613	3,346		4,824	17,624	3,898	5,972	6,268	800	9,381		3,789	9,681	157	
Connecticut																					
District of Columbia																					
Florida	6,049	7,108	2,699	3,717	5,902	1,163		1,726			12,836	4,543		9,035	1,078				16,184		
Georgia		5,760		8,582	4,076	914	3,097	2,331	12,159	9,785		5,718								14,190	
Hawaii																					
Idaho	4,557	1,483		2,454	1,566																
Illinois	9,232	4,923	3,777	7,761		1,390	2,681														
Indiana				5,224					1,900			3,071									
Iowa	3,936	5,487	2,884	5,215	3,935	1,601	2,383	2,479	10,630	6,019	16,369	4,310	7,592	9,663	1,020	9,610	10,693	2,869	15,881	8,332	
Kansas	4,055	4,833	3,065	5,489	6,848	1,456	2,992	1,894	5,153	3,039	13,318	8,460	3,548	6,681	899	4,515	1,460	2,114	8,640		
Kentucky			1,575	4,246																	
Louisiana				6,812																	
Maine					1,091																
Maryland														4,400							
Massachusetts																					
Michigan			2,800	9,793		914					18,349										
Minnesota	9,172	5,079	1,613	9,931		736	1,904		4,322		22,822		7,313								
Mississippi				10,096							22,056									560	
Missouri	3,208	4,948	4,987	5,548	4,439	935	2,564	3,118		7,089	14,098	5,015	5,477	7,030	867	7,095	1,310	2,237	13,607		
Montana					15,978				12,174												
Nevada	4,464	4,084			6,383	1,329															
New Jersey	2,000		1,450																		
New Mexico	4,051	9,749		6,283			3,219												1,518		
New York	2,585	5,467	2,567	10,053			750		5,696					27,976							
North Carolina		5,499				1,626							6,818			6,957				17,144	

State of Residence	Type of Procedure (for key to procedure codes, see footnote at end of table)																			
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
North Dakota		8,719	1,100	9,552								3,778								
Ohio	911			4,155			1,400	2,050			16,989									
Oklahoma	4,673	4,199		7,602	1,091	736	4,718			4,586	18,164								20,879	
Oregon	9,027	5,378					2,332		12,634		9,783			5,031						
Pennsylvania				807				2,050						7,481						
Rhode Island																				
South Carolina			1,400		1,133				5,782											
South Dakota	4,179	6,697	2,707	6,741	3,014	1,491	1,247		5,929		9,502		3,361	5,932	900	7,319		1,739	28,170	1,196
Tennessee	9,027			807							30,460		4,727							
Texas	5,022	4,548	2,900	7,059	1,946	849	1,487	1,175						6,934	1,800				9,863	
Utah						736														
Virginia		5,341	1,693																	
Virgin Island																				
Washington	3,920	3,934	4,834	7,931	12,434	1,626							12,719							
West Virginia					2,601															
Wisconsin	4,117	9,556	1,400	1,746										8,950						
Wyoming	1,802	4,139	2,870	3,815	2,601		6,308	2,704	11,115	5,906	16,118	4,140	6,662	8,762	818	7,932	11,970	2,088	8,326	153
Unknown	4,529	2,861		5,308																

NOTE: Average billed charges in **bold** are based on five or fewer procedures

Procedure codes:

A: Cataract surgical with insertion of intraocular lens (one stage procedure)

B: Colonoscopy, with biopsy

C: Diagnostic/screening colonoscopy

D: Upper gastrointestinal endoscopy, with biopsy

E: Lesion removal colonoscopy

F: Cystoscopy

G: Injection, single, epidural or subarachnoid; lumbar, sacral (caudal)

H: Injection, anesthetic agent &/or steroid, transformational epidural, Lumbar or sacral, single level

I: Dental surgery procedure (unlisted procedure, dentoalveolar structures)

J: Create eardrum opening
K: Laparoscopic cholecystectomy
L: Upper gastrointestinal endoscopy, diagnostic
M: Carpal Tunnel surgery
N: Knee arthroscopy/surgery
O: After cataract Laser surgery
P: Remove tonsils and adenoids
Q: Debride skin, subcutaneous tissue
R: Diagnostic or Therapeutic procedures on the paravertebral spinal nerves and branches
S: Insertion of central venous access devices with subcutaneous port
T: Under Vitreous procedures on the Posterior Segment of the Eye