

Emergency Department Visits & Hospitalizations

In 2005, Kansas Citians made 204,511 visits to hospital emergency departments and 77,615 were admitted to hospitals. The top 10 reasons for these visits and admissions are shown in Table 59, while in Figure 58, the utilization rates per 100 persons in different age groups (2000 Census data) are shown. Emergency department utilization was lowest for children and adolescents 5-14 y old. Hospital utilization rates exhibited a U-shaped curve across the age groups; the lowest rate was for adults 35-44 y old. Non-Hispanic blacks had the highest emergency department visit utilization rate; it was more than 1.6 times that for any other group. Hispanics and Asians had the lowest utilization rates for both emergency departments and hospitals, with the rates for Asians being only 48% as high as those for non-Hispanic whites (Figure 59). The percent of hospitalized patients who were admitted from the emergency departments is shown in Figure 60.

Table 59 Top 10 leading causes for emergency department visits and hospitalizations of Kansas City, Mo, residents, 2005

Rank	Emergency Department Visits	Hospitalizations
1	Injury	Pregnancy/birth
2	Acute respiratory disease	Heart disease
3	Diseases of the oral cavity	Injury
4	Mental disorders	Mental disorders
5	Asthma	Cancer
6	Pregnancy/birth	Pneumonia
7	Urinary tract infections	Other respiratory diseases
8	Other genitourinary diseases	Stroke
9	Other respiratory diseases	Other genitourinary diseases
10	Inguinal hernia	Other circulatory diseases

Figure 58 Rates per 100 persons by age group for emergency department (ED) visits and hospitalizations, Kansas City, Mo, 2005

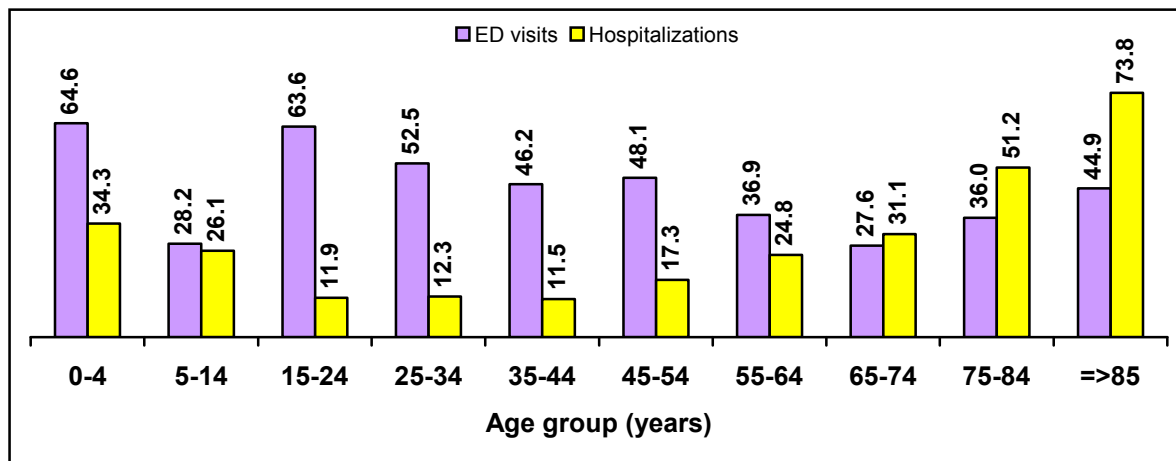


Figure 59 Rates per 100 persons by race/ethnicity for emergency department (ED) visits and hospitalizations, Kansas City, Mo, 2005

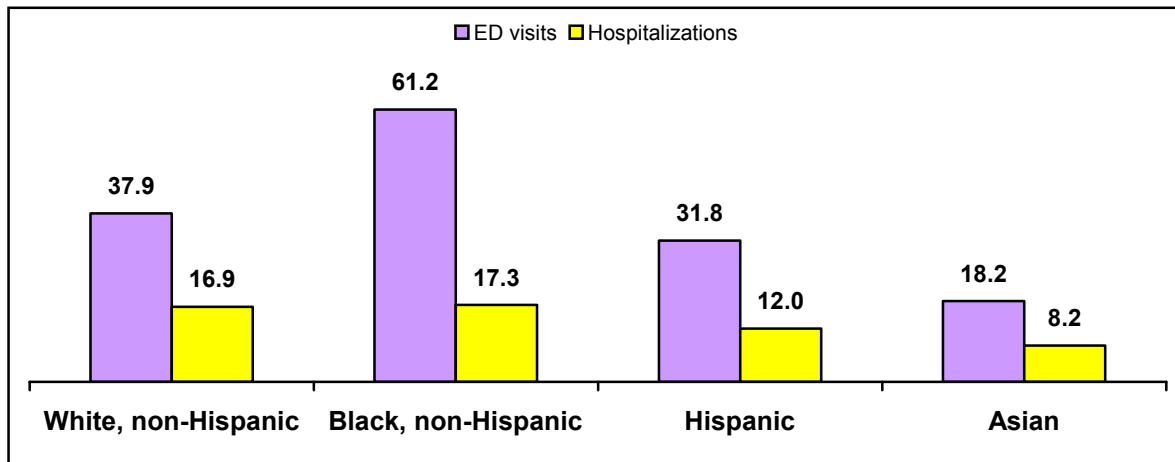
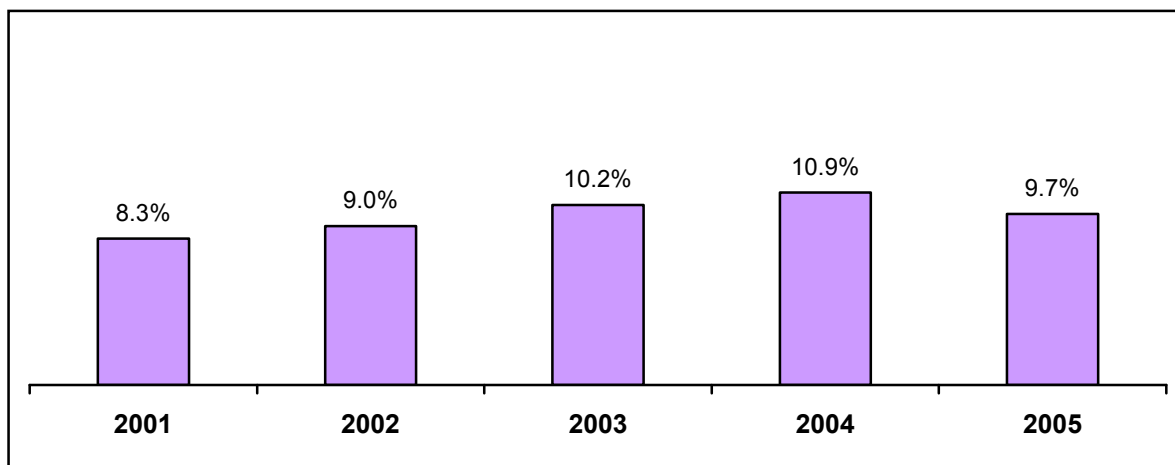


Figure 60 Percent of hospitalized Kansas City, Mo, residents who were admitted from an emergency department



Emergency Department Visits

Overall, the emergency department utilization rate was 46.3 per 100 persons, higher than the national rate for emergency department visits was 39.6.¹¹¹ Approximately 24% of the visits were for injury.

¹¹¹ Naraw EC et al. National hospital ambulatory medical care survey: 2005 emergency department summary. CDC *NCHS Adv Data Vital Health Statistics* 386, 6/29/07. www.cdc.gov/nchs.



Although accounting for only 5% of the emergency department visits, acute respiratory illnesses were the 2nd leading cause of emergency department visits, except for persons ≥ 75 y of age, when heart disease became the 2nd leading cause. Tables 60 to 62 present the reasons for emergency department visits, the top 10 reasons by age, and the top 10 reasons by race/ethnicity.

Table 60 Reasons for 204,511 emergency department visits, Kansas City, Mo, 2005

Reason	Visits	Reason	Visits	Reason	Visits
AIDS	36	Disease, esophagus	592	Infection, urinary tract	2,531
Alcoholism	293	Disease, genitourinary other	2,520	Infection & parasitic, other	1,853
Alcoholic cirrhosis	29	Disease, oral cavity	4,004	Influenza	347
Appendicitis	83	Disease, other	89,699	Inguinal hernia	1,920
Arteriosclerosis	1	Disease, pancreas	217	Intestine, diverticula	141
Asthma	3,610	Disease, respiratory other	2,145	Intestine, obstruction	132
Calculus of kidney/urinary tract	845	Disorder, breast	278	Injury	49,718
Cancer, breast	6	Disorder, digestive functional	858	Nutritional deficiency	19
Cancer, colorectal	3	Disorder, digestive other	926	Orchitis & epididymitis	174
Cancer, lung	17	Disorder, menstruation	603	Pain & symptoms, genital	1,319
Cancer, prostate	4	Disorder, mental	3,963	Pneumonia	1,558
Cancer, other	39	Disorder, vagina noninflammatory	962	Pregnancy, ectopic/molar	91
Chickenpox	37	Endometriosis	21	Pregnancy & birth, complications	3,499
Cholelithiasis	291	Gastritis & duodenitis	582	Prematurity	
Congenital anomalies	54	Gastrointestinal hemorrhage	420	Septicemia	16
Cystitis	300	Heart disease	1,544	Streptococcal sore throat	1,009
Diabetes	1,346	Herpes simplex	167	Stroke	265
Disease, cervix/vagina inflammatory	907	Herpes zoster	218	Tuberculosis	4
Disease, circulatory other	1,890	Hyperplasia of prostate	18	Ulcers, stomach/small intestine	23
Disease, chronic lower respiratory	1,766	Infection, respiratory acute	10,325	Not specified	6,691
Disease, chronic, tonsils & adenoids	6	Infection, viral unspecified	1,576		

Table 61 10 leading causes of emergency department visits by age group, Kansas City, Mo, 2005

Rank	Age Groups									
	0-4 y	5-14 y	15-24 y	25-34 y	35-44 y	45-54 y	55-64 y	65-74 y	75-84 y	85+ y
1	Injury 4,272	Injury 6,996	Injury 9,793	Injury 8,624	Injury 7,344	Injury 5,905	Injury 2,826	Injury 1,598	Injury 1,582	Injury 778
2	Acute respiratory infection 2,583	Acute respiratory infection 984	Acute respiratory infection 2,090	Acute respiratory infection 1,992	Acute respiratory infection 1,251	Acute respiratory infection 876	Acute respiratory infection 341	Acute respiratory infection 187	Heart disease 194	Heart disease 120
3	Asthma 700	Asthma 793	Complications of birth/ pregnancy 1,961	Complications of birth/ pregnancy 1,313	Mental disorders 929	Mental disorders 673	Heart disease 317	Other circulatory diseases 180	Other circulatory diseases 160	Urinary tract infection 90
4	Other respiratory diseases 468	Strep throat 344	Diseases of oral cavity 908	Diseases of oral cavity 1,204	Diseases of oral cavity 884	Diseases of oral cavity 487	Other circulatory diseases 281	Heart disease 176	Urinary tract infection 150	Other circulatory diseases 73
5	Unspecified viral infection 465	Diseases of oral cavity 184	Mental disorders 753	Mental disorders 975	Asthma 458	Other circulatory diseases 442	Mental disorder 219	CLRD 168	CLRD 115	Mental disorders 54
6	Pneumonia 453	Unspecified viral infection 176	Other genitourinary diseases 787	Other genitourinary diseases 600	Other genitourinary diseases 391	Heart disease 381	Diabetes 213	Urinary tract infection 142	Mental disorders 106	CLRD 36
7	Other infectious & parasitic diseases 452	Other infectious & parasitic diseases 150	Urinary tract infection 657	Urinary tract infection 540	Other circulatory diseases 390	Asthma 357	CLRD 196	Diabetes 124	Functional digestive disorder 85	Diabetes 34
8	Inguinal hernia 417	Other respiratory diseases 136	Pain & genital symptoms 634	Asthma 503	Inguinal hernia 295	Diabetes 320	Urinary tract infection 164	Mental disorders 114	Acute respiratory infection 85	Functional digestive disorder 32
9	Functional digestive disorder 165	Mental disorders 135	Asthma 589	Pain & genital symptoms 440	Other respiratory diseases 293	CLRD 309	Diseases of oral cavity 139	Other respiratory diseases 95	Diabetes 84	Pneumonia 28
10	Urinary tract infections 127	Inguinal hernia 124	Other infectious & parasitic diseases 492	Inguinal hernia 360	CLRD* 290	Other respiratory diseases 259	Other respiratory diseases 131	Pneumonia 81	Pneumonia 83	Acute respiratory infection 27 Other genitourinary diseases 27

* CLRD = chronic lower respiratory disease

EMERGENCY DEPARTMENT VISITS & HOSPITALIZATIONS



Table 62 10 leading causes of emergency department visits by race/ethnicity, Kansas City, Mo, 2005*

Rank	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian	Native American	All
1	Injury 27,695	Injury 17,799	Injury 2,387	Injury 310	Injury 35	Injury 49,718
2	Acute respiratory disease 4,427	Acute respiratory disease 4,758	Acute respiratory disease 613	Acute respiratory disease 82	Acute respiratory disease 9	Acute respiratory disease 10,325
3	Mental disorders 2,499	Asthma 2,509	Other complications pregnancy & birth 221	Other complications pregnancy & birth 37	Mental disorders 9	Diseases of oral cavity 4,004
4	Diseases of oral cavity 1,994	Diseases of oral cavity 1,728	Other genitourinary diseases 150	Diseases of oral cavity 25		Mental disorders 3,963
5	Other complications pregnancy & birth 1,418	Other complications pregnancy & birth 1,682	Other infectious & parasitic disease 144	Other genitourinary diseases 21		Asthma 3,610
6	Urinary tract infections 1,106	Mental disorders 1,250	Other respiratory diseases 125	Urinary tract infections 19		Other complications pregnancy & birth 3,499
7	Other genitourinary diseases 995	Other genitourinary diseases 1,248	Unspecified viral infection 116	Mental disorders 19		Urinary tract infections 2,531
8	CLRD** 980	Urinary tract infection 1,223	Urinary tract infection 112	Other respiratory diseases 16		Other genitourinary diseases 2,520
9	Inguinal hernia 914	Other infectious & parasitic disease 1,115	Asthma 108	Unspecified viral infection 16		Other respiratory diseases 2,145
10	Asthma 886	Other circulatory diseases 1,054	Inguinal hernia 108	Other circulatory diseases 13		Inguinal hernia 1,920
				Asthma 13		
Total	101,593	84,443	9,742	1,486	63	204,511

* If there were 5 or fewer cases, the data was not included
** CLRD = chronic lower respiratory disease

Hospitalizations

The overall hospital utilization rate was 17.6 per 100 persons. Tables 63 to 65 present the reasons for hospitalizations, the top 10 reasons by age, and the top 10 reasons by race/ethnicity. Issues related to pregnancy and births were the #1 reason for hospitalization of persons 15-44 y of age as well as for non-Hispanic blacks, Hispanics, and Asians. It was the #2 reason for non-Hispanic whites and heart disease was #1. Heart disease was the #1 reason for hospitalization among persons ≥ 45 y old. The average lengths of hospital stay for selected causes are presented in Figure 60.

Table 63 Reasons for 77,615 hospitalization admissions, Kansas City, Mo, 2005

Reason	Admits	Reason	Admits	Reason	Admits
AIDS	160	Disease, chronic, tonsils & adenoids	20	Infection, viral unspecified	98
Alcoholism	505	Disease, esophagus	444	Infection, urinary tract	665
Alcoholic cirrhosis	248	Disease, genitourinary other	1,538	Infection & parasitic, other	891
Appendicitis	453	Disease, oral cavity	109	Influenza	112
Arteriosclerosis	315	Disease, other	14,918	Inguinal hernia	904
Asthma	1,113	Disease, pancreas	610	Intestine, diverticula	602
Calculus of kidney/urinary tract	361	Disease, respiratory other	1,719	Intestine, obstruction	617
Cancer, breast	84	Disorder, breast	45	Injury	5,256
Cancer, cervical	24	Disorder, digestive functional	186	Nutritional deficiency	123
Cancer, colorectal	234	Disorder, digestive other	920	Orchitis & epididymitis	13
Cancer, lung	304	Disorder, menstruation	215	Pain & symptoms, genital	87
Cancer, prostate	122	Disorder, mental	4,260	Pneumonia	2,078
Cancer, other	1,338	Disorder, vagina noninflammatory	4	Pregnancy, ectopic/molar	92
Chickenpox	4	Endometriosis	138	Pregnancy & birth, complications	9,486
Cholelithiasis	509	Gastritis & duodenitis	260	Prematurity	31
Congenital anomalies	220	Gastrointestinal hemorrhage	317	Septicemia	555
Cystitis	27	Heart disease	6,782	Streptococcal sore throat	13
Diabetes	1,202	Herpes simplex	21	Stroke	1,697
Disease, cervix/vagina inflammatory	41	Herpes zoster	42	Tuberculosis	1
Disease, circulatory other	1,399	Hyperplasia of prostate	96	Ulcers, stomach/small intestine	374
Disease, chronic lower respiratory	1,244	Infection, respiratory acute	563	Not specified	10,440



Table 64 10 leading causes of hospitalization by age group, Kansas City, Mo, 2005

Rank	Age Groups									
	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
1	Acute respiratory disease 336	Mental disorders 344	Other complications of pregnancy & birth 3,867	Other complications of pregnancy & birth 4,496	Other complications of pregnancy & birth 1,084	Heart disease 1,048	Heart disease 1,416	Heart disease 1,404	Heart disease 1,602	Heart disease 729
2	Other infectious & parasitic diseases 183	Injury 171	Mental disorders 824	Mental disorders 825	Mental disorders 887	Injury 891	Injury 615	Injury 541	Injury 751	Injury 542
3	Asthma 179	Asthma 163	Injury 612	Injury 621	Injury 751	Mental disorders 701	Cancer 485	Cancer 506	Pneumonia 476	Pneumonia 311
4	Injury 130	Appendicitis 91	Diabetes 118	Other genitourinary tract disease 131	Heart disease 407	Cancer 296	Stroke 293	Stroke 414	Stroke 465	Stroke 220
5	Congenital anomalies 120	Other infectious & parasitic diseases 52	Other genitourinary tract disease 110	Diabetes 124	Diabetes 205	Other genitourinary tract disease 262	Mental disorders 288	Pneumonia 367	Cancer 406	Other respiratory diseases 218
6	Pneumonia 119	Diabetes 51	Appendicitis 86	Heart disease 101	Other genitourinary tract disease 193	Other circulatory diseases 252	CLRD 267	CLRD 355	Other respiratory diseases 396	Urinary tract infection 194
7	Diseases of the esophagus 63	Other genitourinary tract disease 40	Other respiratory diseases 67	Inguinal hernia 99	Alcoholism 176	Pneumonia 251	Pneumonia 264	Other respiratory diseases 324	CLRD 344	Other genitourinary tract disease 136
8	Other respiratory diseases 60	Pneumonia 32	Asthma 65	Other digestive disorders 87	Asthma 169	Other respiratory diseases 218	Other circulatory diseases 252	Other circulatory diseases 255	Other circulatory diseases 288	Other circulatory diseases 120
9	Other genitourinary tract disease 32	Congenital anomalies 29	Other infectious & parasitic diseases 64	Pneumonia 84	Other circulatory diseases 146	Diabetes 208	Other respiratory diseases 218	Other genitourinary tract disease 215	Other genitourinary tract disease 210	Cancer 104
10	Inguinal hernia 30	Other complications of pregnancy & birth 29	Inguinal hernia 63	Asthma 82	Cancer 143	Stroke 199	Other genitourinary tract disease 209	Mental disorders 183	Urinary tract infection 183	Septicemia 102
Total	10,896	1,636	7,197	8,887	8,188	9,799	8,590	8,444	9,354	4,623

* CLRD = Chronic lower respiratory disease

Table 65 10 leading causes of hospitalization by race/ethnicity, Kansas City, Mo, 2005*

Rank	White, non-Hispanic	Black, non-Hispanic	Hispanic	Asian	Native American	All
1	Heart disease 4,391	Other complications of pregnancy & birth 2,903	Other complications of pregnancy & birth 1,120	Other complications of pregnancy & birth 159	Mental disorders 9	Other complications of pregnancy & birth 9,486
2	Other complications of pregnancy & birth 4,357	Heart disease 1,992	Injury 187	Heart disease 29		Heart disease 6,782
3	Injury 3,467	Injury 1,688	Heart disease 117	Cancer 24		Injury 5,626
4	Mental disorders 2,789	Mental disorders 1,211	Other genitourinary diseases 50	Injury 23		Mental disorders 4,260
5	Pneumonia 1,452	Diabetes 622	Mental disorders 49	Mental disorders 18		Cancer 2,106
6	Cancer 1,290	Asthma 605	Pneumonia 48	Inguinal hernia 13		Pneumonia 2,078
7	Stroke 1,080	Other respiratory diseases 532	Other infectious & parasitic diseases 43	Intestinal obstruction 11		Other respiratory diseases 1,719
8	Other respiratory diseases 1,076	Stroke 522	Other respiratory diseases 43	Pneumonia 10 Other circulatory diseases 10 Diabetes 10		Stroke 1,697
9	CLRD** 944	Pneumonia 516	Cancer 39	Other genitourinary diseases 10		Other genitourinary diseases 1,538
10	Other genitourinary diseases 899	Other circulatory diseases 493	Cholelithiasis 39	Other genitourinary diseases 10		Other circulatory diseases 1,399
Total	45,315	23,906	3,678	669	65	77,615
* If there were 5 or fewer cases, the data was not included						
** CLRD = chronic lower respiratory disease						