



Emergency Department Visits & Hospitalizations

There were 205,765 emergency department visits in 2003, a 2.1% increase over those in 2002. This translated into a rate of 46.6 per 100 people; the national 2003 rate was 38.9.¹⁰³

In Kansas City, approximately 26% of all visits were for injury; the number one reason for visits to emergency departments (Table 57 and 58). This was true for all age and racial and ethnic groups (Tables 59 and 60). Figure 47 shows the distribution of emergency department visits by age group.

Acute respiratory illnesses were the 2nd leading cause of emergency department visits, except for persons ≥ 65 years of age, when heart disease became the 2nd leading cause. Respiratory conditions were four of the top 10 reasons for emergency department visits. Nationally, in 2003, acute respiratory illnesses and injury were the 1st and 2nd leading causes, respectively, for emergency department visits.

Table 57 Top 10 specific causes for emergency department visits and hospitalizations of Kansas City residents, 2003

Rank	Emergency Department Visits	Hospitalizations
1	Injury	Heart disease
2	Acute respiratory disease	Injury
3	Asthma	Mental disorders
4	Mental disorders	Pneumonia
5	Urinary tract infection	Stroke
6	Pneumonia	Diabetes
7	Chronic lower respiratory disease	Chronic lower respiratory disease
8	Inguinal hernia	Asthma
9	Heart disease	Inguinal hernia
10	Diabetes	Urinary tract infection

¹⁰³ McCaig LF, Burt CW. 2005. National hospital ambulatory medical care survey: 2003 emergency department summary. CDC *NCHS Adv Data Vital Health Statistics* 358:1-40. www.cdc.gov/nchs.



Table 58 Reasons for 205,765 emergency department visits, Kansas City, MO, 2003

Reason	Visits	Reason	Visits	Reason	Visits
AIDS	30	Disease, esophagus	524	Infection, urinary tract	2,467
Alcoholism	289	Disease, genitourinary other	2,356	Infection & parasitic, other	1,978
Alcoholic cirrhosis	35	Disease, oral cavity	3,617	Influenza	1,194
Appendicitis	90	Disease, other	85,457	Inguinal hernia	1,808
Arteriosclerosis	3	Disease, pancreas	220	Intestine, diverticula	146
Asthma	4,424	Disease, respiratory other	2,152	Intestine, obstruction	144
Calculus of kidney/urinary tract	775	Disorder, breast	272	Injury	53,320
Cancer, breast	6	Disorder, digestive functional	760	Nutritional deficiency	9
Cancer, colorectal	2	Disorder, digestive other	925	Orchitis & epididymitis	218
Cancer, lung	16	Disorder, menstruation	679	Pain & symptoms, genital	1,060
Cancer, prostate	2	Disorder, mental	3,774	Pneumonia	1,983
Cancer, other	46	Disorder, vagina noninflammatory	692	Pregnancy, ectopic/molar	81
Chickenpox	64	Endometriosis	13	Pregnancy & birth, complications	3,728
Cholelithiasis	256	Gastritis & duodenitis	732	Prematurity	1
Congenital anomalies	55	Gastrointestinal hemorrhage	394	Septicemia	17
Cystitis	286	Heart disease	1,566	Streptococcal sore throat	954
Diabetes	1,363	Herpes simplex	146	Stroke	328
Disease, cervix/vagina inflammatory	802	Herpes zoster	168	Tuberculosis	7
Disease, circulatory other	1,745	Hyperplasia of prostate	13	Ulcers, stomach/small intestine	39
Disease, chronic lower respiratory	1,930	Infection, respiratory acute	11,540		
Disease, chronic, tonsils & adenoids	7	Infection, viral unspecified	2,670		



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Table 59 10 leading causes of emergency department visits by age group, Kansas City, MO, 2003

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 5,0040	Injury 8,077	Injury 10,657	Injury 9,156	Injury 8,284	Injury 5,599	Injury 2,611	Injury 1,585	Injury 1,558	Injury 789
2	Acute respiratory infection 3,185	Acute respiratory infection 1,270	Acute respiratory infection 2,298	Acute respiratory infection 1,992	Acute respiratory infection 1,411	Acute respiratory infection 783	Acute respiratory infection 333	Heart disease 254	Heart disease 233	Heart disease 95
3	Unspecified viral infection 810	Asthma 988	Diseases of oral cavity 791	Diseases of oral cavity 1,032	Mental disorder 916	Mental disorder 563	Heart disease 264	Other circulatory diseases 170	Other circulatory diseases 148	Urinary tract infection 79
4	Asthma 759	Unspecified viral infection 341	Mental disorder 794	Mental disorder 865	Diseases of oral cavity 890	Diseases of oral cavity 450	Other circulatory diseases 247	Acute respiratory infection 145	Urinary tract infection 139	Mental disorder 56
5	Influenza 615	Strep throat 278	Asthma 763	Asthma 602	Asthma 608	Asthma 440	CLRD* 242	CLRD 143	CLRD 112	Other circulatory diseases 49

COMMUNITY HEALTH ASSESSMENT 2006
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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
6	Pneumonia 603	Other infectious & parasitic diseases 179	Urinary tract infection 701	Other genitourinary diseases 529	Other genitourinary diseases 405	Other circulatory diseases 401	Mental disorder 229	Diabetes 132	Mental disorder 108	Acute respiratory infection 40
7	Other infectious & parasitic diseases 462	Pneumonia 177	Other genitourinary diseases 698	Urinary tract infection 496	Other circulatory diseases 382	Heart disease 374	Diabetes 182	Urinary tract infection 109	Diabetes 91	Functional digestive disorder 37
8	Inguinal hernia 391	Diseases of oral cavity 162	Other infectious & parasitic diseases 537	Unspecified viral infection 382	Urinary tract infection 347	Diabetes 311	Asthma 158	Mental disorder 97	Acute respiratory infection 83	Influenza 33
9	Other respiratory diseases 380	Other respiratory diseases 148	Unspecified viral infection 526	Other respiratory diseases 368	Other respiratory diseases 326	CLRD 308	Urinary tract infection 146	Other respiratory diseases 92	Other respiratory diseases 81	Other genitourinary diseases 30
10	Functional digestive disorder 137	Influenza 137 Mental disorders 137	Pain & genital symptoms 458	Pain & genital symptoms 367	Unspecified viral infection 316	Other respiratory diseases 258	Pneumonia 145	Pneumonia 91	Pneumonia 91	CLRD 27

* CLRD = chronic lower respiratory disease

EMERGENCY DEPARTMENT VISITS & HOSPITALIZATIONS



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Table 60 10 leading causes of emergency department visits by race/ethnicity, Kansas City, MO, 2003*

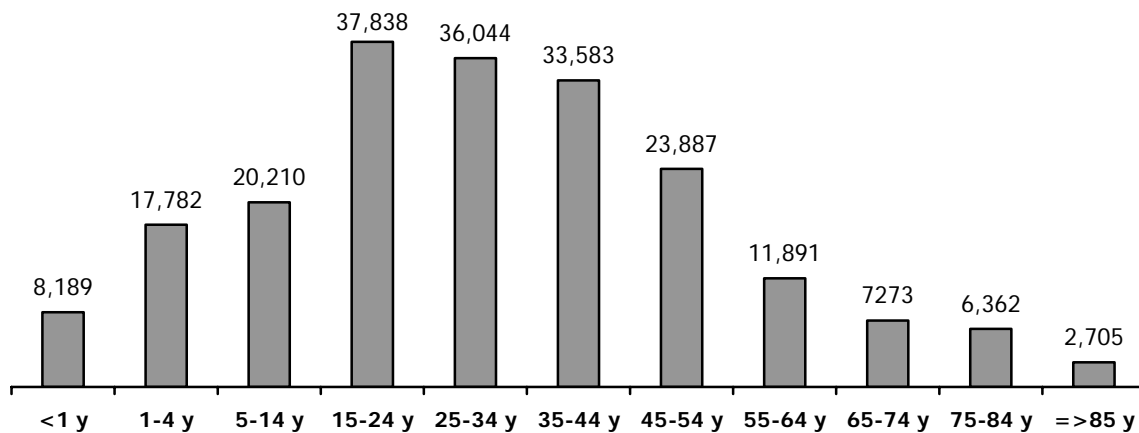
Rank	White	Black	Hispanic	Asian	Native American	All
1	Injury 30,315	Injury 18,841	Injury 2,085	Injury 293	Injury 38	Injury 53,320
2	Acute respiratory disease 5,090	Acute respiratory disease 5,352	Acute respiratory disease 582	Acute respiratory disease 77	Mental disorders 8	Acute respiratory disease 11,540
3	Mental disorders 2,267	Asthma 3,047	Asthma 144	Inguinal hernia 16	Acute respiratory disease 7	Asthma 4,424
4	Diseases of oral cavity 1,872	Diseases of oral cavity 1,472	Influenza 136	Influenza 21	Other genitourinary diseases 5	Mental disorders 3,774
5	Asthma 1,165	Unspecified viral infections 1,412	Unspecified viral infections 129	Asthma 20		Diseases of oral cavity 3,617
6	Urinary tract infections 1,137	Mental disorders 1,289	Pneumonia 124	Urinary tract infections 19		Unspecified viral infections 2,670
7	CLRD** 1,133	Urinary tract infections 1,163	Diseases of oral cavity 122	Diseases of oral cavity 18		Urinary tract infections 2,467
8	Other respiratory diseases 1,011	Other genitourinary diseases 1,163	Other genitourinary diseases 116	Pneumonia 16		Other genitourinary diseases 2,356
9	Other genitourinary diseases 981	Other infectious & parasitic diseases 1,159	Asthma 98	Unspecified viral infections 15		Other respiratory diseases 2,152
10	Unspecified viral infections 960	Other respiratory diseases 974	Inguinal hernia 85	Mental disorders 14		Pneumonia 1,983

* If there were 5 or fewer cases, the data was not included

** CLRD = chronic lower respiratory disease



Figure 47 Age-distribution of persons making emergency department visits, Kansas City, MO, 2003



There were 76,405 hospitalizations of Kansas City residents in 2003, a 1.5% increase from 2002 (Tables 61-63). Approximately 9.5% of all hospitalizations were due to heart disease. Overall, heart disease was the leading cause of hospitalization, but within age groups the leading causes of hospitalization varied. The age distribution of persons hospitalized is shown in Figure 48 and the average length of hospital stay for the leading causes in Figure 49.



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Table 61 10 leading causes of hospitalization by age group, Kansas City, MO, 2003

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 280	Mental disorder 406	Mental disorder 771	Mental disorder 732	Mental disorder 966	Heart disease 1,121	Heart disease 1,3706	Heart disease 1,575	Heart disease 1,867	Heart disease 795
2	Other infectious & parasitic diseases 191	Asthma 181	Injury 555	Injury 593	Injury 780	Injury 777	Injury 597	Injury 587	Injury 780	Injury 506
3	Injury 157	Injury 180	Diabetes 118	Diabetes 137	Heart disease 411	Mental disorder 760	Stroke 347	Stroke 461	Stroke 556	Pneumonia 329
4	Congenital anomalies 153	Appendicitis 69	Other genitor-urinary tract disease 117	Other genitor-urinary tract disease 134	Alcoholism 218	Other circulatory diseases 245	Mental disorder 315	Pneumonia 405	Pneumonia 497	Stroke 235
5	Pneumonia 133	Other infectious & parasitic diseases 50	Appendicitis 80	Heart disease 122	Other genitor-urinary tract disease 214	Pneumonia 243	Other cancers 272	CLRD 306	Other respiratory diseases 344	Other respiratory diseases 198



Rank	Age Groups									
	0-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
6	Asthma 130	Diabetes 45	Asthma 71	Inguinal hernia 89	Diabetes 203	Other genitor- urinary tract disease 242	Pneumonia 256	Other respire- tory diseases 286	Other circulatory diseases 271	Urinary tract infection 162
7	Influenza 94	Pneumonia 39	Other respire- tory diseases 68	Other digestive disorders 88	Other circulatory diseases 163	Other cancers 221	CLRD* 233	Other cancers 268	CLRD 262	Other circulatory diseases 128
8	Other respire- tory diseases 64	Congenital anomalies 33	Other infectious & parasitic diseases 66	Other infectious & parasitic diseases 83	Pneumonia 162	Stroke 183	Other circulatory diseases 228	Other circulatory diseases 222	Other cancers 241	Other genitor- urinary tract disease 115
9	Diseases of the esophagus 55	Other respire- tory diseases 28	Pneumonia 54	Appendicitis 74	Asthma 150	Diseases of pancreas 179	Other respire- tory diseases 188	Other genitor- urinary tract disease 196	Other genitor- urinary tract disease 214	CLRD 99
10	Other genitor- urinary tract disease 43	Other genitor- urinary tract disease 24	Cholelithiasis 53	Asthma 68	Diseases of pancreas 126	Other respire- tory diseases 177	Diabetes 178	Mental disorder 162	Urinary tract infection 202	Mental disorder 89

* CLRD = Chronic lower respiratory disease



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Table 62 10 leading causes of hospitalization by race/ethnicity, Kansas City, MO, 2003*

Rank	White	Black	Hispanic	Asian	Native American	All
1	Heart disease 4,973	Heart disease 1,967	Injury 146	Heart disease 26	Mental disorder 10	Heart disease 7,253
2	Injury 3,607	Injury 1,550	Heart disease 92	Injury 23	Heart disease 5	Injury 5,526
3	Mental disease 2,905	Mental disease 1,260	Pneumonia 49	Mental Disease 10		Mental disease 4,406
4	Pneumonia 1,577	Diabetes 577	Other infections & parasitic diseases 41	Pneumonia 10		Pneumonia 2,215
5	Stroke 1,278	Pneumonia 520	Other digestive disorders 39	Other digestive disorders 10		Stroke 1,888
6	Other respiratory diseases 967	Asthma 517	Acute respiratory disease 34	Stroke 9		Other respiratory diseases 1,532
7	Other genitourinary diseases 905	Stroke 517	Appendicitis 33	Congenital Anomalies 9		Other genitourinary diseases 1,473
8	Other cancers 900	Other respiratory diseases 495	Other genitourinary diseases 33	Other genitourinary diseases 8		Other circulatory diseases 1,344
9	Other circulatory diseases 846	Other genitourinary diseases 475	Acute respiratory disease 22	Intestinal obstruction 8		Other cancers 1,272
10	CLRD** 829	Other circulatory diseases 427	Diabetes 27 Mental disease 27	Other respiratory diseases 7		Diabetes 1,207

* If there were 5 or fewer cases, the data was not included

** CLRD = chronic lower respiratory disease



Table 63 Reasons for 76,405 hospitalization admissions, Kansas City, MO, 2003

Reason	Admits	Reason	Admits	Reason	Admits
AIDS	188	Disease, chronic, tonsils & adenoids	16	Infection, viral unspecified	70
Alcoholism	516	Disease, esophagus	34	Infection, urinary tract	673
Alcoholic cirrhosis	236	Disease, genitourinary other	1,473	Infection & parasitic, other	889
Appendicitis	437	Disease, oral cavity	72	Influenza	220
Arteriosclerosis	318	Disease, other	14,181	Inguinal hernia	846
Asthma	967	Disease, pancreas	580	Intestine, diverticula	535
Calculus of kidney/urinary tract	334	Disease, respiratory other	1,532	Intestine, obstruction	602
Cancer, breast	129	Disorder, breast	50	Injury	5,526
Cancer, cervical	12	Disorder, digestive functional	210	Nutritional deficiency	111
Cancer, colorectal	239	Disorder, digestive other	836	Orchitis & epididymitis	24
Cancer, lung	294	Disorder, menstruation	217	Pain & symptoms, genital	100
Cancer, prostate	95	Disorder, mental	4,406	Pneumonia	2,215
Cancer, other	1,262	Disorder, vagina noninflammatory	9	Pregnancy, ectopic/molar	88
Chickenpox	4	Endometriosis	170	Pregnancy & birth, complications	9,220
Cholelithiasis	521	Gastritis & duodenitis	221	Prematurity	38
Congenital anomalies	261	Gastrointestinal hemorrhage	300	Septicemia	466
Cystitis	43	Heart disease	7,253	Streptococcal sore throat	17
Diabetes	1,207	Herpes simplex	21	Stroke	1,888
Disease, cervix/vagina inflammatory	437	Herpes zoster	34	Tuberculosis	17
Disease, circulatory other	1,344	Hyperplasia of prostate	137	Ulcers, stomach/small intestine	327
Disease, chronic lower respiratory	1,094	Infection, respiratory acute	507		



Figure 48 Age-distribution of persons hospitalized, Kansas City, MO, 2003

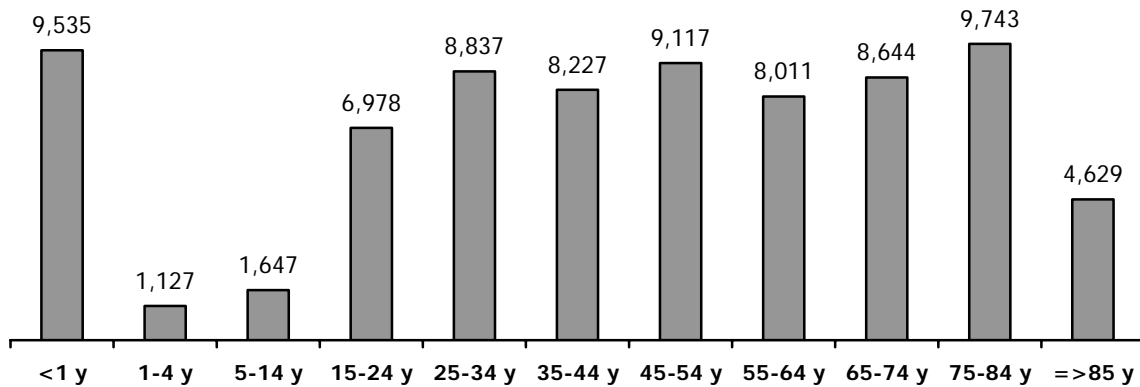


Figure 49 Average number of hospital days per admission for by leading causes, Kansas City, MO, 2003

