

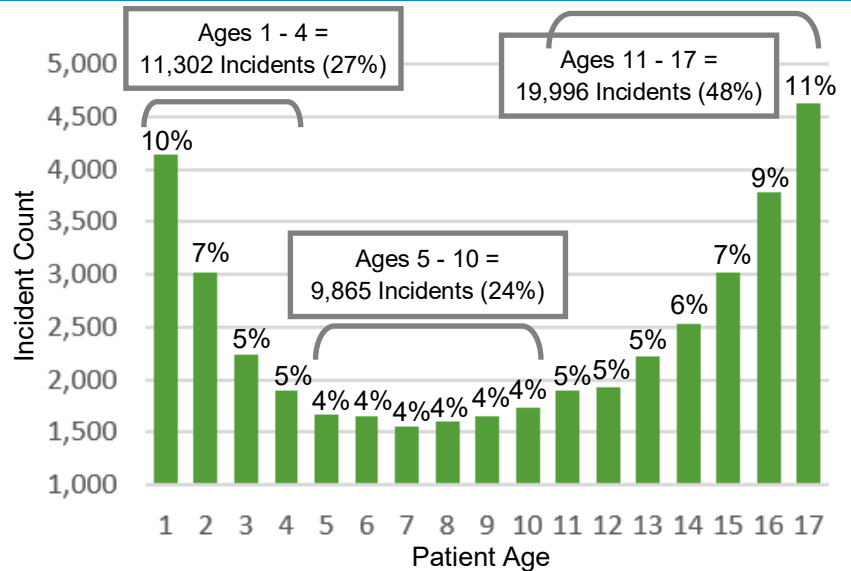


41,163 Pediatric Incidents Reported to KSTARS

Accounting for 4.6% of all Incidents.

Patient Demographics

Count of Incidents by Patient Age					
1	4,144	7	1,554	13	2,221
2	3,019	8	1,610	14	2,525
3	2,236	9	1,654	15	3,015
4	1,903	10	1,730	16	3,787
5	1,670	11	1,900	17	4,622
6	1,647	12	1,926		

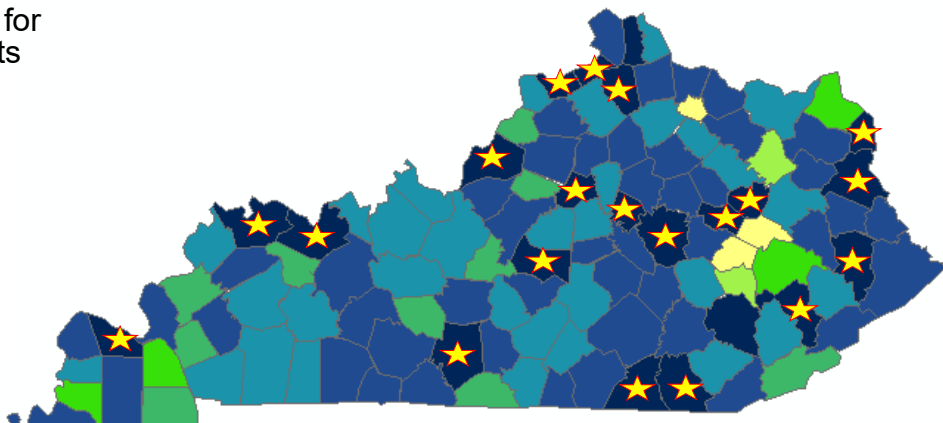


Patient Gender: 47% Female, 49% Male, & 4% Not Applicable, Not Recorded, or Unknown.

Pediatric Patient Incidents to Population Ratio for Patient Home County

Population Ratio for Pediatric Incidents

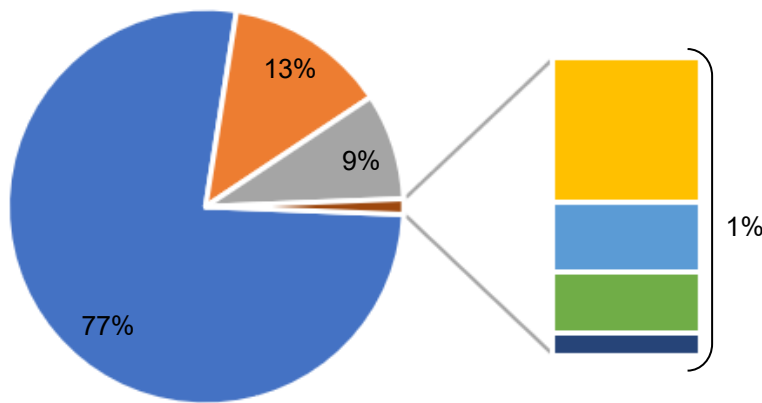
- 1 : 1,128 - 3,797
- 1 : 584 - 1,127
- 1 : 264 - 583
- 1 : 199 - 263
- 1 : 148 - 198
- 1 : 101 - 147
- 1 : 40 - 100



★ Top 20 Counties with Highest Patient to Population Ratio for Pediatric Incidents ★

1. McCracken	5. Floyd	9. Gallatin	13. Daviess	17. Jefferson
2. Marion	6. Whitley	10. Menifee	14. Barren	18. Anderson
3. Perry	7. Powell	11. Jessamine	15. Carroll	19. Madison
4. McCreary	8. Boyd	12. Lawrence	16. Henderson	20. Grant

Type of Service Requested



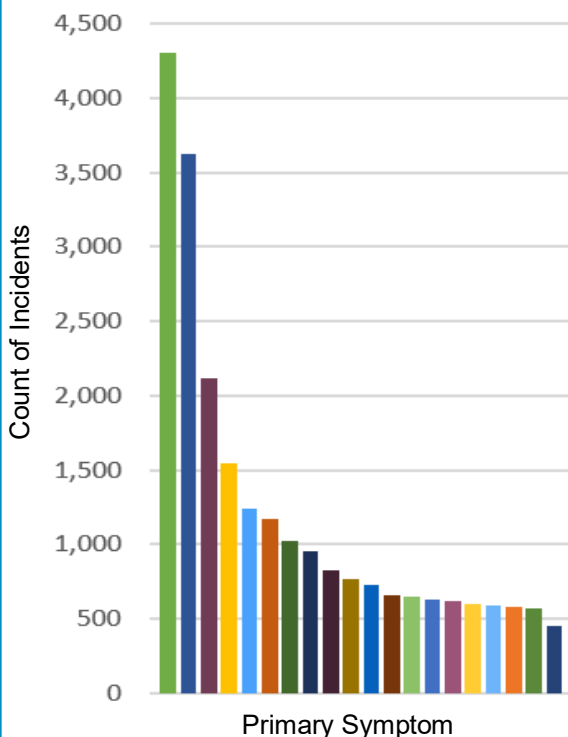
Type of Service Requested	Incident Count
911 Response (Scene)	31,644
Interfacility Transport	5,425
Medical Transport	3,578
Mutual Aid	250
Public Assistance/Other Not Listed	120
Standby	107
Intercept	39

*57% of Medical Transports = Complaint Reported by Dispatch = Transfer/ Interfacility/ Palliative Care.

Top 15 Incident Complaints Reported by Dispatch

Complaint Reported by Dispatch	#	%
1. Traffic/Transportation Incident	7,712	18.7%
2. Transfer/Interfacility/Palliative Care	5,121	12.4%
3. Sick Person	4,496	10.9%
4. Breathing Problem	4,344	10.5%
5. Convulsions/Seizure	3,125	7.6%
6. No Other Appropriate Choice	2,978	7.2%
7. Traumatic Injury	1,937	4.7%
8. Falls	1,631	4.0%
9. Psychiatric Problem/Abnormal Behavior/ Suicide Attempt	1,594	3.9%
10. Unconscious/Fainting/Near-Fainting	1,094	2.7%
11. Overdose/Poisoning/Ingestion	876	2.1%
12. Abdominal Pain/Problems	835	2.0%
13. Assault	703	1.7%
14. Allergic Reaction/Stings	569	1.4%
15. Hemorrhage/Laceration	495	1.2%

Top 20 Patient Primary Symptoms



Situation Primary Symptom	#	%
Other General Symptoms and Signs	4,300	10.8%
Encounter for General Examination	3,619	9.0%
Not Recorded	2,116	5.3%
Pain, Unspecified	1,549	3.8%
Not Applicable	1,243	3.1%
Fever	1,168	2.9%
Suicidal Ideations	1,022	2.5%
Unspecified Injury of Head	953	2.3%
Shortness of Breath	830	2.0%
Seizure (Absence, Partial, Grand Mal)	766	1.9%
Weakness	728	1.8%
Seizure, Febrile	664	1.6%
Pain, Headache	649	1.6%
Acute Respiratory Distress Syndrome	633	1.5%
Unspecified Injury of Face	617	1.5%
Encounter, Child, No Findings or Complaints	603	1.5%
Seizure (Convulsive)	589	1.4%
Cough	579	1.4%
Altered mental status	569	1.4%
Encounter, adult, no findings or complaints	450	1.1%

2019 Pediatric Incidents

Patients under 18 years of age

Top 15 Medications Administered

*9,932 Medication Administrations
(24% of all Pediatric Incidents)

Medication	#	%
Oxygen	3,703	37.3%
Albuterol	930	9.4%
Sodium chloride Solution	709	7.1%
Fentanyl	655	6.6%
Ondansetron	483	4.9%
Epinephrine	336	3.4%
Normal saline	313	3.1%
Midazolam	290	2.9%
Morphine	177	1.8%
Lorazepam	141	1.4%
Acetaminophen	140	1.4%
Ketamine	138	1.4%
Naloxone	136	1.4%
Dextrose 5% Solution	128	1.3%
Diphenhydramine	108	1.1%

Top 15 Procedures Performed

*33,279 Procedures Performed on Pediatric Patients for CY 2019.

1. Evaluation Procedure	10,422	9. Splinting	469
2. Extremity Vein Catheterization	5,248	10. Adult Continuous Physical Assessment	423
3. 3 Lead ECG Obtained	3,293	11. Glucose Measurement	401
4. Patient Assessment	2,422	12. Application of Bandage	350
5. Spinal Immobilization	1,671	13. Suction Airway	329
6. Moving a Patient to a Stretcher	1,523	14. Examination of Cervical Spine	305
7. 12 Lead ECG Obtained	1,501	15. Monitoring of Pre-existing Devices and Interventions	263
8. Cardiac Monitoring	475		

Top 3 Corresponding Provider Primary Impressions

Evaluation Procedure	Extremity Vein Catheterization	3 Lead ECG Obtained
Encounter for general examination without complaint, suspected or reported diagnosis	Injury, Unspecified	Unspecified Convulsions
Injury, Unspecified	Unspecified Convulsions	Respiratory Distress, Acute
Unspecified Convulsions	Injury of Head	Seizures without status epilepticus

Top 20 Causes of Injury

Cause of Injury Description	# of Runs	% of Runs	Cause of Injury Description	# of Runs	% of Runs
1. Car occupant (driver) (passenger) injured in unspecified traffic accident	2,922	7.1%	11. Fall (on) (from) unspecified stairs and steps	125	0.3%
2. Fall on same level from slipping, tripping and stumbling	888	2.2%	12. Contact with blunt object, undetermined intent	124	0.3%
3. Assault by bodily force	394	1.0%	13. Fall from bed	124	0.3%
4. Unspecified fall	329	0.8%	14. Other specified effects of external causes	119	0.3%
5. Person injured in unspecified vehicle accident	325	0.8%	15. Accidental striking against or bumped into by another person	114	0.3%
6. Unspecified occupant of other special all-terrain or other off-road motor vehicle injured in traffic accident	166	0.4%	16. Assault by blunt object	113	0.3%
7. Activities involving other sports and athletics played individually	160	0.4%	17. Foreign body or object entering through skin	101	0.3%
8. Fall on and from playground equipment	160	0.4%	18. Intentional self-harm by unspecified sharp object	98	0.2%
9. Fall from chair	135	0.3%	19. Pedestrian injured in collision with car	95	0.2%
10. Bitten by dog	132	0.3%	20. Other fall from one level to another	84	0.2%

Within the above table 'Top 20 Causes of Injury'; Falls account for 4.5%.

2019 Pediatric Incidents

Patients under 18 years of age

EMSC for Children

EMS Transport Method

*41,163 Pediatric Patient Transports for CY 2019.

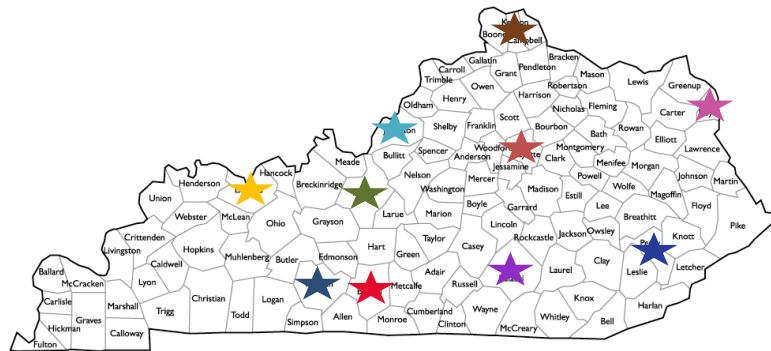
Transport Method		
Ground Ambulance	29,884	72.6%
Air Medical-Rotor Craft	770	1.87%
Air Medical-Fixed Wing	5	0.01%
Other (Blank, Not Recorded, Not Applicable, Ground-Mass Casualty Bus, ATV, Bariatric)	10,504	25.5%
Total Pediatric Air Transports	775	1.88%



Reason for Choosing Destination			
Closest Facility	9,223	22.4%	*15,547 (38%) Pediatric Transport Reason for Choosing Destination = Not Recorded, Blank, Not Applicable.
Protocol	4,449	10.8%	
Family Choice	3,790	9.2%	
Patient's Choice	3,554	8.6%	
Patient's Physician's Choice	2,869	6.9%	
Regional Specialty Center	1,585	3.8%	
On-Line/On-Scene Medical Direction	78	0.2%	
Law Enforcement Choice	42	0.1%	
Insurance Status/Requirement	26	.06%	

Top 20 Facility Destinations

*The below data only utilized pediatric incidents submitted to KSTARS containing a valid Facility ID code.



Facility Destination Name	#	%	City
NORTON HSP/NORTON CHDRN HSP/NORTON HEALTHCARE PAVILION	5,905	22.3%	LOUISVILLE
UNIVERSITY OF KY HOSPITAL	2,786	10.5%	LEXINGTON
KY NOT LISTED	1,151	4.3%	N/A
NORTON WOMEN'S AND CHILDREN'S HOSPITAL	1,111	4.2%	LOUISVILLE
CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER	1,062	4.0%	CINCINNATI
OWENSBORO HEALTH REGIONAL HOSPITAL	547	2.1%	OWENSBORO
THE MEDICAL CENTER AT BOWLING GREEN	472	1.8%	BOWLING GREEN
OUR LADY OF PEACE	465	1.8%	LOUISVILLE
HARDIN MEMORIAL HOSPITAL	447	1.7%	ELIZABETHTOWN
NORTON CHILDREN'S MEDICAL ASSOCIATES	429	1.6%	LOUISVILLE
LAKE CUMBERLAND REGIONAL HOSPITAL	392	1.5%	SOMERSET
VANDERBILT UNIVERSITY MEDICAL CENTER	349	1.3%	NASHVILLE
TJ SAMSON HOSPITAL	320	1.2%	GLASGOW
KINGS DAUGHTERS MEDICAL CENTER	309	1.2%	ASHLAND
NORTON CHILDREN'S MEDICAL CENTER- PEDIATRIC OUTPATIENT	293	1.1%	LOUISVILLE
CABELL HUNTINGTON HOSPITAL INC	284	1.1%	HUNTINGTON
UK HEALTHCARE GOOD SAMARITAN HOSPITAL	281	1.1%	LEXINGTON
VANDERBILT STALLWORTH REHABILITATION HOSPITAL	263	1.0%	NASHVILLE
HAZARD ARH REGIONAL MEDICAL CENTER	259	1.0%	HAZARD
ST. ELIZABETH EDGEWOOD	255	1.0%	EDGEWOOD