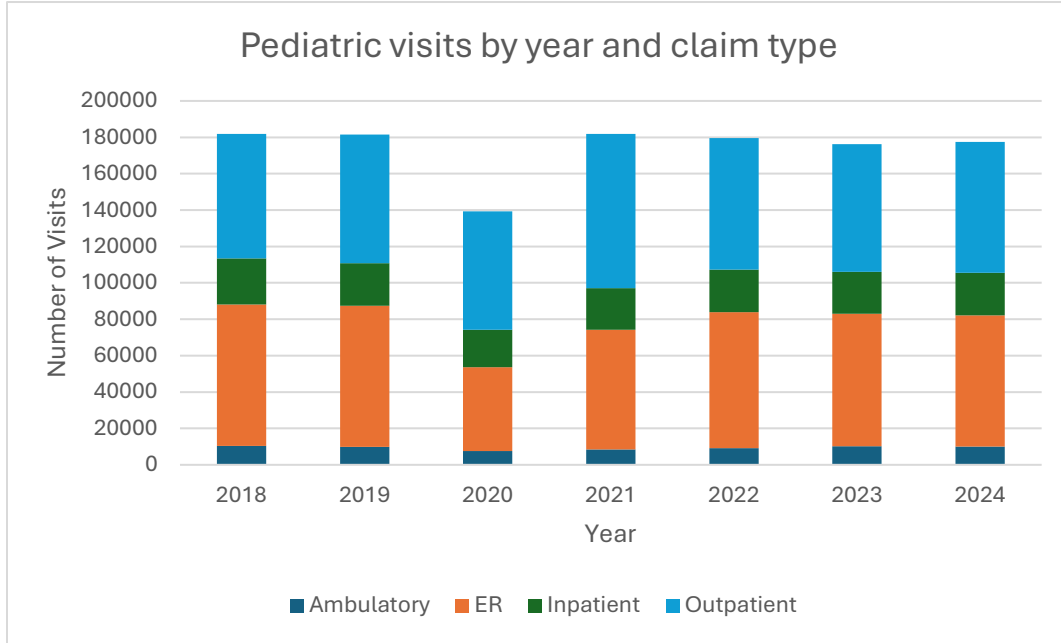


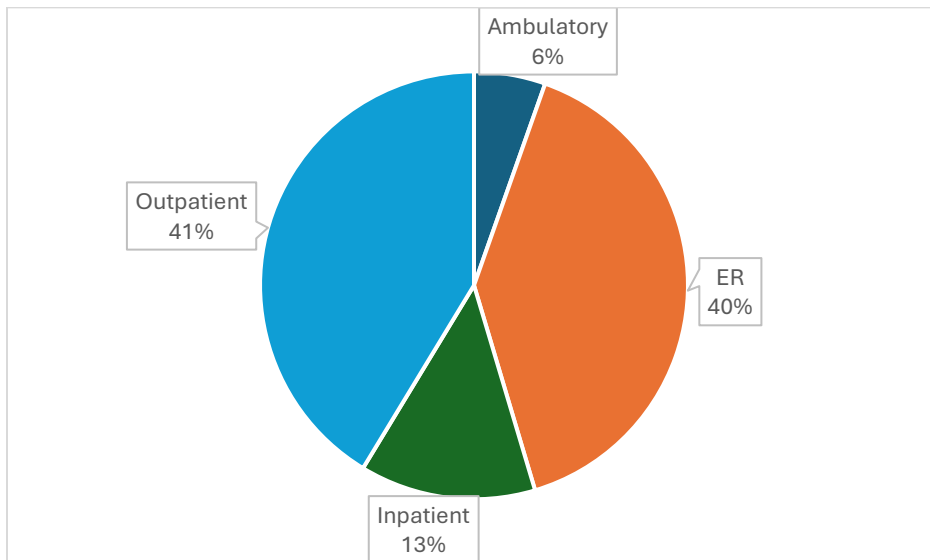
## Pediatric Visits Nassau County, 2018-2024

Nassau County experienced 1,217,512 pediatric hospital visits from 2018 to 2024. Pediatric hospital visits included those with a reported age from 0 to 21. All health care visits (ambulatory, inpatient, outpatient, and emergency department) in Nassau County from 2018-2024 were utilized.

**Figure 1- Pediatric Visits by Year and Claim Type**



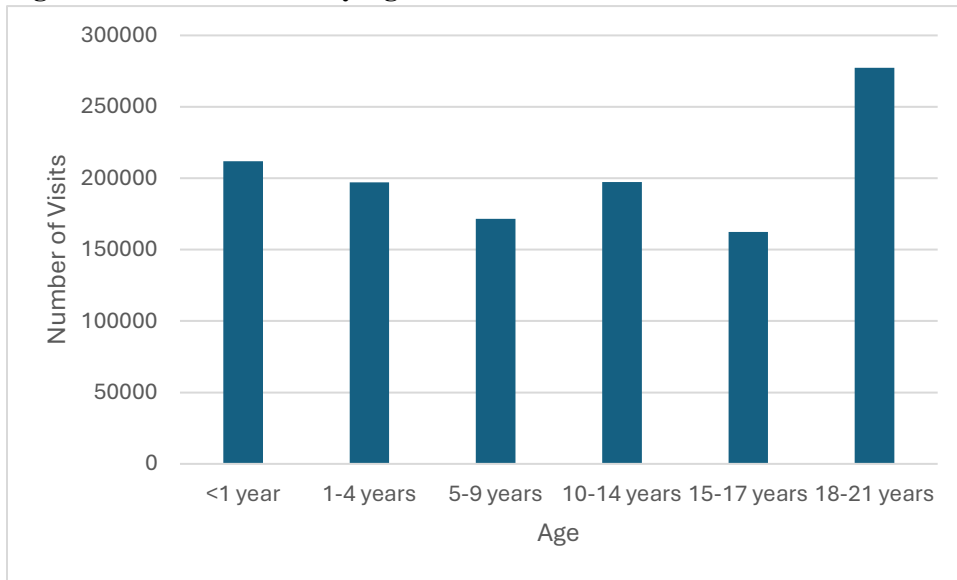
**Figure 2- Pediatric Visits by Claim Type**



The majority of hospital pediatric visits were outpatient (41%) or emergency department (40%) visits.



**Figure 3- Pediatric Visits by Age**



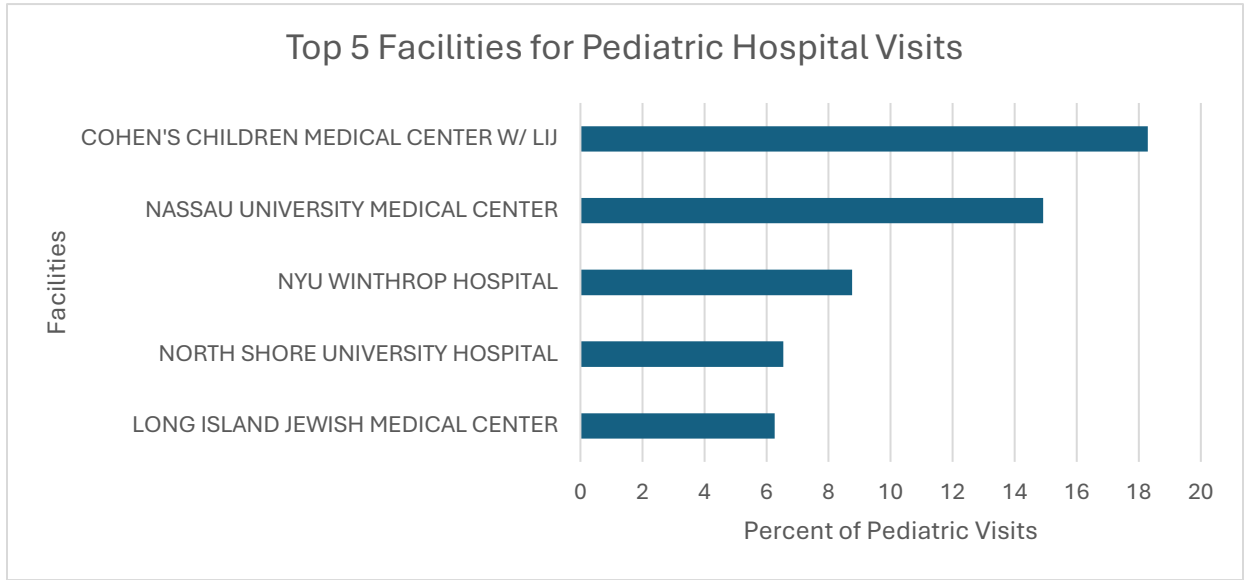
**Figure 4- Pediatric Visits by Age and Sex**



Less than 1% of visits reported sex as unknown.



**Figure 5- Top 10 Facilities for Pediatric Hospital Visits**



The most common facility for pediatric hospital visits in Nassau County was Cohen’s Children Medical Center (18%).



**Figure 6- Top 10 Principal Diagnoses for Pediatric Hospital Visits (All Types) by Age Group**

Principal Diagnosis Categories	Pediatric Age Group											
	<1yr		1-4 years		5-9 years		10-14 years		15-17 years		18-21 years	
	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%
Circumstances related to reproduction	1	45.4										
Health services for examination and investigation	2	13.4	4	9.8	4	6.1	7	5.0	6	4.6	8	4.9
Diseases of the respiratory system	3	7.2	1	19.3	1	16.3	4	9.0	5	7.6	4	8.1
Certain conditions originating in the perinatal period	4	6.3										
Diseases of the digestive system	5	4.3	3	10.0	3	13.5	2	12.4	2	13.7	2	12.2
Congenital malformations, deformations and chromosomal abnormalities	6	3.9	10	2.8								
General symptoms and signs	7	3.1	6	6.9	5	5.7	6	6.4	7	4.6	9	3.1
Certain infectious and parasitic diseases	8	2.8	5	7.7	6	4.4						
Injury, poisoning and certain other consequences of external causes	9	2.1	2	14.0	2	14.4	1	16.1	1	15.8	3	11.9
Diseases of the genitourinary system	10	1.8							8	4.1	7	5.2
Diseases of the blood and blood-forming organs			9	2.9			9	3.2	10	2.9		
Diseases of the ear			7	5.5	9	3.5						
Diseases of the musculoskeletal system and connective tissue					8	3.6	5	8.3	4	8.9	5	7.0
Diseases of the skin and subcutaneous tissue			8	3.0								
Endocrine, nutritional and metabolic diseases							8	3.8				
Mental and behavioural disorders					7	4.0	3	10.1	3	11.4	1	17.3
Neoplasms					10	3.4						
Potential health hazards related to communicable diseases							10	3.1	9	3.5	10	2.7
Pregnancy, childbirth and the puerperium											6	5.8
Frequency of Hospital Visits		211,817		197,085		171,675		197,237		162,464		277,232

**Figure 7- Top 10 Principal Diagnoses for Pediatric Inpatient Hospital Visits by Age Group**

Principal Diagnosis Categories - Inpatient Visits	Pediatric Age Group											
	<1yr		1-4 years		5-9 years		10-14 years		15-17 years		18-21 years	
	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%
Circumstances related to reproduction	1	90.5										
Diseases of the respiratory system	2	2.5	1	36.6	1	23.6	4	9.2	4	6.2	7	4.4
Certain conditions originating in the perinatal period	3	2.5										
Certain infectious and parasitic diseases	4	0.8	2	11.2	5	8.0	7	4.8	8	4.1	5	6.5
Congenital malformations, deformations, chromosomal abnormalities	5	0.8	9	3.2	10	2.9						
General symptoms and signs	6	0.5	6	4.8	7	3.8						
Endocrine, nutritional and metabolic diseases	7	0.4	3	10.8	6	7.2	8	4.3	9	3.8	8	3.7
Diseases of the digestive system	8	0.4	7	3.9	2	13.3	1	16.7	2	13.8	3	10.7
Injury, poisoning and certain other consequences of external causes	9	0.4	4	7.5	3	11.0	3	11.5	3	11.8	4	9.1
Diseases of the genitourinary system	10	0.3					9	3.8	10	3.6	10	2.8
Diseases of the blood and blood-forming organs			10	2.6	9	3.3	10	3.7				
Diseases of the musculoskeletal system and connective tissue					8	3.4	6	5.1	6	5.9	9	3.3
Diseases of the nervous system			5	5.2	4	9.4	5	8.4	5	6.2	6	4.6
Diseases of the skin and subcutaneous tissue			8	3.3								
Mental and behavioural disorders							2	16.2	1	22.4	2	21.3
Pregnancy, childbirth and the puerperium									7	5.3	1	21.6
Frequency of Hospital Visits		106,297		12,098		7,864		9,385		9,022		17,203

- Most inpatient pediatric hospital visits among infants less than a year old are birth-related (90.5%).
- The most common inpatient respiratory disease diagnosis was asthma (26.3%).
- Most endocrine, nutritional, and metabolic disease visits among children are due to dehydration (60.1%). Diabetes mellitus is also a common diagnosis in this category (20.8%).
- Mental and behavioral disorders include those due to psychoactive substance use. Depressive disorders are the most common diagnosis among mental and behavioral disorders (31.8%), followed by bipolar (18.0%) and schizophrenic disorders (14.4%).



**Figure 8- Top 10 Principal Diagnoses for Pediatric Emergency Department Visits by Age Group**

Principal Diagnosis Categories - ER Visits	Pediatric Age Group											
	<1yr		1-4 years		5-9 years		10-14 years		15-17 years		18-21 years	
	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%
Diseases of the respiratory system	1	26.0	2	24.1	2	21.2	3	12.8	4	11.1	3	13.5
Diseases of the digestive system	2	12.4	3	11.8	3	17.3	2	14.0	2	13.7	5	14.9
General symptoms and signs	3	11.9	5	9.2	5	5.8	6	5.2	6	5.5	8	5.2
Certain infectious and parasitic diseases	4	11.5	4	11.7	4	7.1	8	3.2	9	2.6	10	2.7
Injury, poisoning and certain other consequences of external causes	5	10.5	1	24.4	1	26.1	1	30.7	1	26.8	1	21.3
Certain conditions originating in the perinatal period	6	6.4										
Codes for special purposes	7	4.4	10	1.5								
Diseases of the skin and subcutaneous tissue	8	3.9	7	3.3	8	3.3	9	3.1	8	3.4	9	3.7
Health services for examination and investigation	9	3.1										
Diseases of the ear	10	2.6	6	4.7	6	3.6						
Diseases of the genitourinary system			8	2.1	9	2.8	7	3.3	7	4.7	5	6.8
Diseases of the musculoskeletal system and connective tissue			9	1.7	7	3.3	5	6.0	5	6.3	6	6.7
Diseases of the nervous system									10	2.0		
Mental and behavioural disorders					10	1.7	4	10.4	3	13.1	4	8.2
Potential health hazards related to communicable diseases												
Pregnancy, childbirth and the puerperium											7	5.34
Frequency of ER Visits		35,955		102,932		82,045		83,753		68,466		113,711

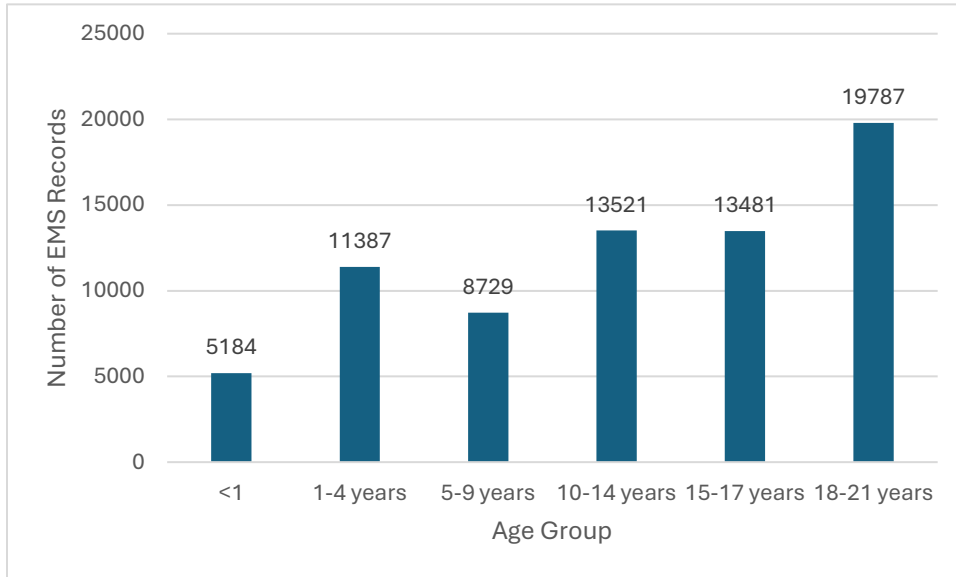
- The most common respiratory disease diagnoses were acute upper respiratory infections (33.4%) and influenza (11.2%).
- General symptoms and signs include common symptoms such as fever, headache, syncope, and fatigue.
- The majority of visits categorized as potential health hazards related to communicable diseases were due to contact with and suspected exposure to COVID-19 or other viral communicable diseases.
- Diseases of the musculoskeletal system and connective tissue include pain in the muscles, bones, or joints.
- The majority of people visiting health services for examination and investigation among ER visits were for examination and observation following a transport accident (40.6%) or other accident (12.1%). Some visits were routine child health or general examinations (16.8%).
- The most common mental and behavioral disorders people to the ER for were adjustment disorder (21.7%) and depressive disorders (16.2%). Alcohol-related disorders also made up 10.9% of mental and behavioral visits.



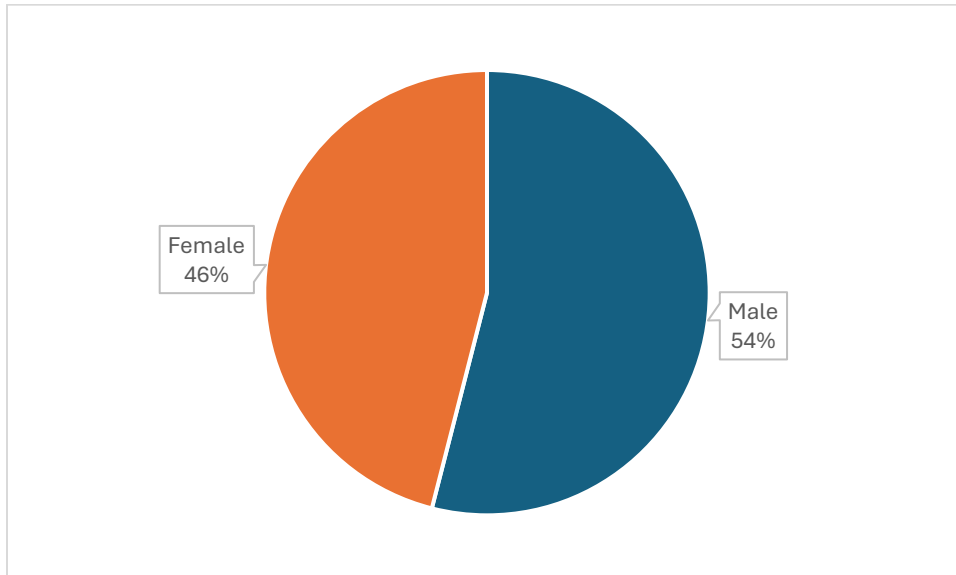
## Pediatric Biospatial EMS Records, 2022-2025

The following data represent EMS responses to pediatric incidents among Nassau County residents from 2022-2025.

**Figure 9- EMS Pediatric Incidents by Age**



**Figure 10- EMS Pediatric Incidents by Sex**



**Figure 11- Top 5 EMS Pediatric Syndromes by Age Group**

Biospatial Syndromes	Pediatric Age Group											
	<1yr		1-4 years		5-9 years		10-14 years		15-17 years		18-21 years	
	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%
Respiratory	1	33%	1	23%	1	17%						
Constitutional	2	13%	2	16%	4	9%						
Gastrointestinal	3	10%			5	9%						
Neurological	4	8%	3	15%	3	10%	4	7%			5	6%
Trauma/Injury	5	8%	4	12%	2	17%	2	14%	2	12%	2	13%
Fall: Ground Level			5	7%								
Mental Health							1	18%	1	19%	1	15%
Self-Harm							3	8%	3	8%		
Suicide Ideation							5	7%	4	7%		
MVC Non-Severe									5	6%	3	9%
Substance Use Disorder											4	7%
<b>Total EMS Records</b>	<b>4,701</b>		<b>14,440</b>		<b>9,914</b>		<b>19,955</b>		<b>23,145</b>		<b>36,603</b>	

Syndromes are not mutually exclusive. Twelve percent of pediatric incidents did not report a syndrome. Constitutional syndrome refers to a category of common symptoms such as fever and body aches that are indicative of underlying health conditions.



**Sources:** NYS SPARCS, Biospatial

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