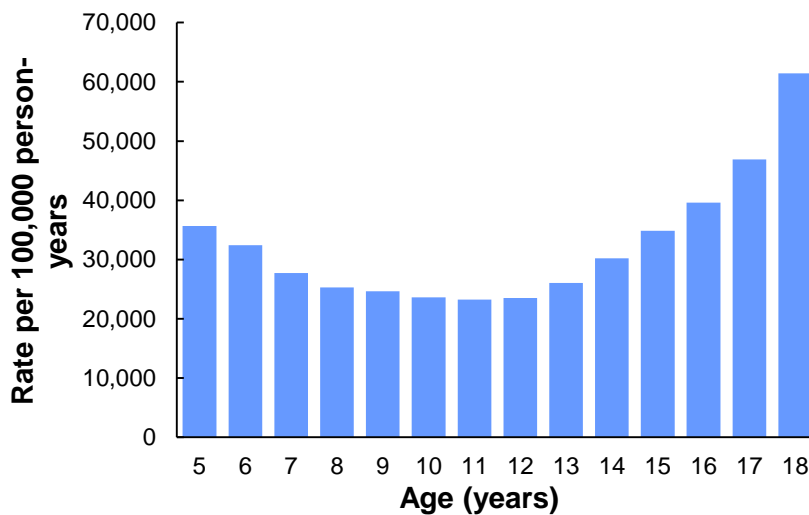


NORTH CAROLINA EMERGENCY DEPARTMENT VISITS AMONG SCHOOL-AGE GIRLS, 5-18 YEARS OF AGE, 2013

The North Carolina Disease Event Tracking and Epidemiologic Collection tool (NC DETECT) provides public health officials and hospital users with the capacity for statewide early event detection and timely public health surveillance. Through NC DETECT, users can access near real-time data from North Carolina acute care emergency departments (EDs), the Carolinas Poison Center (CPC), and the Pre-Hospital Medical Information System (PreMIS). NC DETECT data from ED visits have become increasingly important for the surveillance of injury morbidity in North Carolina. NC DETECT is funded by the NC Division of Public Health (NC DPH). This document summarizes 2013 ED visits by school-age girls 5-18 years of age.*†

Rates of NC ED visits among school-age girls



- Among school-age children 5-18 years of age, there was a total of 558,499 ED visits in 2013.

- Over one-half of these ED visits (51.5%) were by girls 5-18 years of age (287,362 visits).

- In 2013, school-age girls visited the ED at a rate of 32,509 ED visits per 100,000 population.

- Rates peaked at 18 years of age for girls (61,408 ED visits per 100,000 person-years).

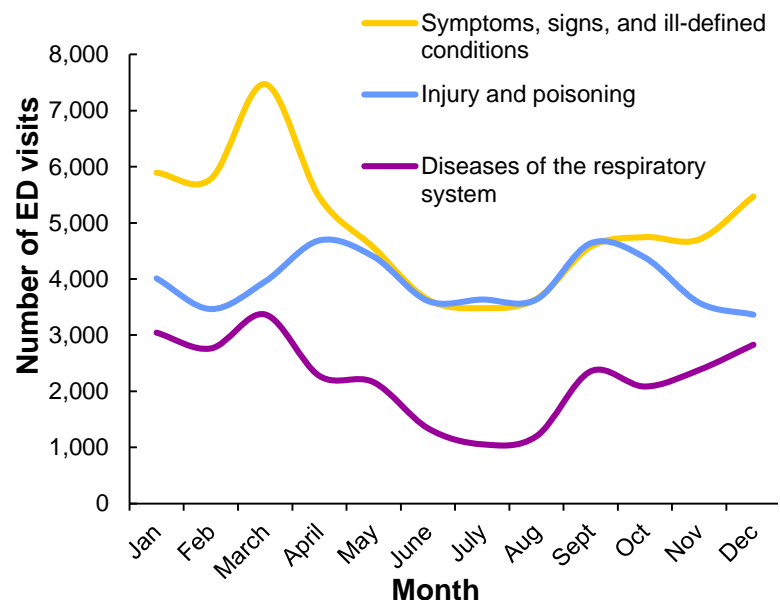
Frequency of ED visits by school-age girls by month and by leading *diagnosis* groupings for diseases and injuries, 2013†

- The three most common ICD-9-CM groupings for diseases and injuries for school-age girls were: 1) symptoms, signs, and ill-defined conditions; 2) injury and poisoning; and 3) diseases of the respiratory system.

- For all three leading causes of ED visits, the fewest number of visits was observed during the summer months of June-August.

- For injury and poisoning, there was a spike in the number of visits in the months of April and September.

- There was a sharp spike in March for ED visits related to signs, symptoms, and ill-defined conditions. The most common first-listed diagnosis code assigned during this month was 780.60, "fever, unspecified."



*For questions about the methods used to generate this fact sheet, please email ncdetect@listserv.med.unc.edu.

Missing: 54,508 (19.0%) ED visits missing a first-listed diagnosis code †/ICD-9-CM classification based on the first-listed diagnosis code.

†In 2013, 107,788 ED visits among school-age children were missing a classifiable, first-listed diagnosis code; therefore, rates may not be directly comparable with previous years of NC DETECT ED data.

School-age girls' NC ED visits classified by the three most common *diagnosis* groupings and age group, 2013[§]

| Age group | Classification | Number of ED visits with this condition | Percent of ED visits with this condition |
|--------------|--|---|--|
| 5-7 | 1) Symptoms, signs, and ill-defined conditions (Most common condition: fever with 3,252 visits) | 13,727 | 28.2% |
| | 2) Injury and poisoning (Most common condition: superficial wounds and contusions with 2,144 visits) | 9,076 | 18.6% |
| | 3) Diseases of the respiratory system (Most common condition: acute respiratory infections with 4,507 visits) | 7,954 | 16.3% |
| | Other condition | 17,957 | 36.9% |
| | Total | 48,714 | -- |
| 8-10 | 1) Symptoms, signs, and ill-defined conditions (Most common condition: abdominal pain with 1,972 visits) | 9,380 | 25.4% |
| | 2) Injury and poisoning (Most common condition: superficial wounds and contusions with 2,225 visits) | 8,815 | 23.9% |
| | 3) Diseases of the respiratory system (Most common condition: acute respiratory infections with 2,905 visits) | 5,248 | 14.2% |
| | Other condition | 13,456 | 36.5% |
| | Total | 36,899 | -- |
| 11-13 | 1) Injury and poisoning (Most common condition: strains and sprains with 2,780 visits) | 9,999 | 26.6% |
| | 2) Symptoms, signs, and ill-defined conditions (Most common condition: abdominal pain with 2,183 visits) | 8,668 | 23.0% |
| | 3) Diseases of the respiratory system (Most common condition: acute respiratory infections with 2,476 visits) | 4,390 | 11.7% |
| | Other condition | 14,566 | 38.7% |
| | Total | 37,623 | -- |
| 14-16 | 1) Symptoms, signs, and ill-defined conditions (Most common condition: abdominal pain with 3,709 visits) | 13,314 | 25.1% |
| | 2) Injury and poisoning (Most common condition: strains and sprains with 3,182 visits) | 11,173 | 21.0% |
| | 3) Diseases of the respiratory system (Most common condition: acute respiratory infections with 2,780 visits) | 4,839 | 9.1% |
| | Other condition | 23,819 | 44.8% |
| | Total | 53,145 | -- |
| 17-18 | 1) Symptoms, signs, and ill-defined conditions (Most common condition: abdominal pain with 4,496 visits) | 14,328 | 25.4% |
| | 2) Injury and poisoning (Most common condition: strains and sprains with 2,346 visits) | 8,301 | 14.7% |
| | 3) Diseases of the genitourinary system (Most common condition: urinary tract infections with 2,359 visits) | 5,631 | 10.0% |
| | Other condition | 28,213 | 50.0% |
| | Total | 56,473 | -- |
| Total | | 232,854 | -- |

Missing: 54,508 ED visits missing a classifiable, first-listed diagnosis code; denominator is 232,854 ED visits
[§]ICD-9-CM classification based on the first-listed diagnosis code

NC DETECT



Source: Carolina Center for Health Informatics / <https://cchi.web.unc.edu> / Department of Emergency Medicine, University of North Carolina at Chapel Hill, 2014.
 NC Division of Public Health / www.publichealth.nc.gov / Injury Epidemiology & Surveillance Unit/ 919-707-5425
 NC Disease Event Tracking and Epidemiologic Collection Tool (NC DETECT) / www.ncdetect.org / 919-843-2361
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