

# Tobacco and Respiratory Diseases

## Summary:

Smoking prevalence in Orange County is lower than peers, NC, and the US, and **teens who have smoked in the past 30 days decreased in Chapel Hill Carrboro City Schools (CHCCS) from 2013 to 2015**. However, new indicators at the county level show higher rates of e-vapor use than smoking trends overall. In 2015, nearly half of all NC high school students (49%) reported having tried an electronic vapor product, while more than a quarter reported using these products currently (30%). **In Orange County, more than a third of HS students (CHCCS) have tried e-vapor products (37%), and nearly 1 in 5 students is a current user of e-vapor products (18%).**

**Hospital discharge rates for asthma increased significantly from 2013 to 2014, for both adults and children.** The overall discharge rate increased from 45 patients/ 100k to 80 patients/ 100k. Similarly, child discharge rates (0-14) for asthma increased from 76 patients/ 100k to 115 patients/ 100k. While this represents a significant increase, discharge data alone does not illustrate the full picture on if patients are receiving quality preventative care and continuation of care to decrease re-admittance rates. More data are needed on re-admittance rates for hospitals.

- Performing better than four or more benchmarks
  - ▲ Performing better than two or three benchmarks
  - ◆ Performing better than one or no benchmarks
  - ↑↓ Positive trend
  - ↑↓ Negative trend
  - No trend
  - Trend cannot be assessed
  - Significant change from previous that is positive, negative, or indeterminable (grey)
- Benchmarks include Target, Previous, Peer, NC, and US*

Behaviors	Progress Icon	Orange County		Trend		Compare to		
		Current	Target	Previous	Progress	Peer	NC	US
% Adult Smokers*	▲	17%	13%	17%	-	17%	21%	21%
% High schoolers who smoked in past 30 days (CHCCS)**	●	7%	16%	9%	↓	20%	13%	11%
% High schoolers who have ever used an e-vapor product (CHCCS)**	-	37%	NA	NA	-	NA	49%	45%
% High schoolers who currently use e-vapor products (CHCCS)**	-	18%	NA	NA	-	NA	30%	24%

Lung Cancer (Rates per 100,000)	Progress Icon	Orange County		Trend		Compare to		
		Current	Target	Previous	Progress	Peer	NC	US
Lung Cancer Incidence Rate	●	55.0	NA	56.9	SAME	64.4	67.4	57.3
Lung Cancer Mortality Rate	●	41.9	45.5	43.9	SAME	43.7	49.0	46.0

Policies	Progress Icon	Orange County		Trend		Compare to		
		Current	Target	Previous	Progress	Peer	NC	US
% Exposed to Secondhand Smoke at Work*	▲	6%	NA	6%	-	3%	9%	NA

Asthma and Respiratory Diseases	Progress Icon	Orange County		Trend		Compare to		
		Current	Target	Previous	Progress	Peer	NC	US
% Asthma Diagnosis (ever in lifetime)*	◆	18%	NA	18%	-	12%	13%	14%
% Asthma Current Diagnosis*	▲	9%	NA	9%	-	14%	9%	8%
Hospital Discharge Rate for Asthma	▲	80.0	NA	45.6	-	50.0	90.0	NA
Hospital Discharge Rate for Asthma, Age 0-14	▲	115.1	NA	76.0	↑	56.8	144.6	183
Chronic Lower Respiratory Disease Mortality	●	26	NA	26.2	SAME	33.9	46	41

## Data Notes:

\*Due to changes in survey methodology and overlapping confidence intervals, **BRFSS** data cannot be compared to previous years

\*\*Confidence intervals for **YRBS** trend data are unavailable to assess significance of trends over time

**Rates** are per 100,000 unless otherwise noted. See the **Public Health Dashboard FAQ Document** for more on data methodology.

**Sources:** BRFSS (2011), CHCCS YRBS (2013, 2015), NC SCHS (2014-2015), NC YRBS (2015)

Data points are the most current measures from multiple sources (available on request).