The State of COPD—How Are We Doing?

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Improve Public Awareness through Improved Surveillance of COPD

- Maximize use of currently available data.
- Improve the ability of federal agencies to use electronic health records.
- Expand current national population-based surveillance systems to collect state-level and local-level data.
Expand State-Level BRFSS Surveillance for COPD

- COPD question for all 450,000 respondents in all 50 states, DC, and territories in 2011-2014.
- Activity supported by NHLBI and COPD Foundation.
- Question developed by NC COPD Task Force and implemented in 2007-2009 (5% COPD).
- Have you ever been told by a doctor or another health professional that you have COPD (chronic obstructive pulmonary disease, emphysema, or chronic bronchitis)?
- Public use dataset for all 50 states – Sept 2012.
Prevalence of Self-reported COPD by Selected Characteristics
NC (BRFSS): 2007 and 2009
[N=26,227]

Herrick H et al. MMWR 2012;61:143-146.
Prevalence of Self-reported COPD by Selected Characteristics
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- <High School: 11.1%
- High School: 6.7%
- Any College: 4.2%
- Current Smoker: 11.7%
- Former Smoker: 5.6%
- Never Smoked: 3.0%

(p<0.05)

Herrick H et al. MMWR 2012;61:143-146.
Prevalence of Self-Reported COPD – All States: 2011

- Joint *MMWR* by NHLBI and CDC
- November 2012 (National COPD Awareness Month)
- US Map
COPD Module for Persons with COPD

- 5 questions on optional state BRFSS module asked of persons who respond “yes” to COPD question in 2011 and 2012.

- Questions developed by NC COPD Task Force and implemented in 2007-2009 NC BRFSS.

- Implemented by states (21 in 2011) supported by funding from NHLBI.
COPD Module for Persons with COPD

- Breathing test for diagnosis (76% in NC)
- Doctor visit in past 12 months for symptoms (43%)
- Hospital/ER visit in past 12 months for COPD (15%)
- Shortness of breath affects quality of life (70% in NC)
- Number of medications taken for COPD (48% take ≥1 every day)

Herrick H et al. *MMWR* 2012;61:143-146.
Implemented 2011 COPD Module**

- Arizona
- California
- Connecticut
- District of Columbia
- Illinois
- Iowa
- Kansas
- Kentucky
- Maine
- Massachusetts
- Michigan
- Minnesota
- Montana
- Nebraska
- Nevada
- New Jersey
- North Carolina
- Ohio
- Oregon
- Puerto Rico
- Tennessee
- Utah
- West Virginia

**Report in November MMWR
State-specific COPD Data

2011 BRFSS COPD prevalence data available at interactive CDC BRFSS website at [www.cdc.gov/brfss](http://www.cdc.gov/brfss) under “Prevalence and Trends Data” (Chronic Health Indicators)

- Unadjusted to show actual state burden.
- Not appropriate for comparisons across states.
- Will differ slightly from age-adjusted MMWR results.
- Sample size will differ because MMWR includes “don’t know/not sure” respondents as “no” rather than excluding them.
- Provides state prevalence estimates by gender, age, race, income, and education.
Other State-Specific COPD Data (systems under development)

- Environmental Public Health Tracking
- Chronic Disease Indicators
- State-specific COPD data
  - Mortality
  - Emergency department visits
  - Hospital visits
Leverage new and existing partnership efforts to promote *COPD Learn More, Breathe Better*.

Share data analyses results of the COPD module and work to develop strategies to disseminate results.

**MMWR on 2011 COPD data – November 2012**

Provide links to partner education materials, help sustain activities, and highlight the educational campaign.
For more information please contact Centers for Disease Control and Prevention
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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.