

BRFSS Asthma Call-back Survey (ACBS)/National Asthma Survey (NAS) : Asthma Content

This state-level survey examines the health, socioeconomic, behavioral, and environmental factors that relate to better control of asthma in both children and adults. This survey also explores the content of care and health care experiences of persons with asthma. Data for the National Asthma Survey (NAS) included a national sample and four states, were collected in 2003, and, were released in the fall of 2005. Since 2006, the survey has been conducted as a call-back interview, referred to as the BRFSS Asthma Call-back Survey (ACBS), subsequent to identifying respondents with asthma during the BRFSS interview.

2011 BRFSS Sampling and Weighting Changes Impact on the ACBS:

The ACBS has been implemented through BRFSS every year since 2006. The number of states or territories participating in the ACBS has increased each year. For the 2011 survey, the weighting methodology for the BRFSS was changed significantly and cell phone samples were added to the traditional landline phone samples. Due to these two methodological changes, data from years 2010 and earlier are not considered strictly comparable to data from year 2011 and later. Since the ACBS is methodologically linked to the BRFSS survey, data from the ACBS is also subject to the two methodological changes. Consequently, ACBS data from 2010 and earlier should not be compared or combined with ACBS data from 2011 and later.

Further information on the methodological changes involving cell phone inclusion:

https://www.cdc.gov/brfss/acbs/2014/pdf/ACBS_HistoryDoc_2014Release_Ap112017CLEARED.pdf

Administered by the National Asthma Control Program (NACP), National Center for Environmental Health (NCEH), CDC

Survey Websites:

ACBS: <http://www.cdc.gov/brfss/acbs/index.htm>

NAS: <http://www.cdc.gov/nchs/slait/nas.htm>

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Sampling Frame and Methodology:

- Continuous data collection
- Landline and cell phone interview (NAS only landline survey)
- Geography:
 - NAS (initial survey) 2003-04: National and 4 pilot States (AL, CA, IL, TX)
 - BRFSS Asthma Call-back Survey:
 - 2005: 3 states (pilot)

2006: In the 2006 adult data file there are 10,802 records from 24 states and the District of Columbia. In the 2006 child data file there are 2,207 records from 22 states and the District of Columbia.

2007: In the 2007 adult data file there are 15,245 records from 33 states and the District of Columbia. In the 2007 child data file there are 3,024 records from 30 states and the District of Columbia.

2008: In the 2008 adult data file there are 15,007 records from 34 states and the District of Columbia. In the 2008 child data file there are 3,206 records from 31 states and the District of Columbia.

2009: In the 2009 adult data file there are 15,403 records from 34 states, the District of Columbia, and Puerto Rico. In the 2009 child data file there are 2,836 records from 21 states and Puerto Rico.

2010: In the 2010 adult data file there are 17,753 records from 37 states, the District of Columbia, and Puerto Rico. In the 2010 child data file there are 2,300 records from 18 states.

2011: In the 2011 adult data file there are 16,693 records from 40 states, the District of Columbia, and Puerto Rico. In the 2011 child data file there are 1,816 records from 14 states.

2012: in the 2012 adult landline only data file there are 12,449 records from 36 states, and the District of Columbia. In the 2012 child landline only data file there are 1,106 records from 10 states. In the 2012 adults landline-cell phone combined data file there are 9,893 records from 22 states. In the 2012 child landline-cell phone combined data file there are 1,100 records from 10 states.

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2013: in the 2013 adult landline-only data file, there are 11,962 records from 38 states, including Puerto Rico. In the 2013 child landline-only data file, there are 327 records from 3 states, (Kansas, Michigan and Utah). In the 2013 adult landline-cell phone combined data file there are 11,456 records from 29 states, including Puerto Rico. In the 2013 child landline-cell phone combined data file there are 953 records from 10 states.

2014: in the 2014 adult landline-only data file, there are 1,276 records from 5 states (Alabama, Florida, Kansas, Louisiana and Massachusetts). In the 2014 child landline-only data file, 5 states, (Kentucky, Maryland, Nebraska, New Jersey and Utah) met the minimum requirement of 75 records. These 5 states participated in the cellphone data as well, and will be represented in the child landline-cell phone combined data set. In the 2014 adult landline-cell phone combined data file there are 12,196 records from 32 states, including Puerto Rico. In the 2014 child landline-cell phone combined data file there are 1,257 records from 11 states, including Puerto Rico.

Respiratory Health Content:

Asthma experiences:

- Time since diagnosis
- Medication use
- Health care use
- Symptoms
- Risk factors
- Disease management
- Environment
- Cost barriers to care
- Work/school related
- Comorbid conditions
- Complementary and alternative therapies

Most Recent Survey and Available Data:

NAS 2004 Questionnaire, Data, & Technical Information: <http://www.cdc.gov/nchs/slait/nas.htm>

ACBS 2014 Child Questionnaire: https://www.cdc.gov/brfss/acbs/2014/pdf/ASTHMA_CHILD_2014_Questionnaire_1.pdf

ACBS 2014 Adult Questionnaire: https://www.cdc.gov/brfss/acbs/2014/pdf/ASTHMA_ADULT_2014_Questionnaire.pdf

ACBS 2014 Data & Documentation: http://www.cdc.gov/brfss/acbs/2014_documentation.html

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Questionnaires, Data Access, and Technical Documentation:

National Asthma Survey:

2004 Available: <http://www.cdc.gov/nchs/slait/nas.htm>

BRFSS Asthma Call-back Survey:

All Years Available: <http://www.cdc.gov/brfss/acbs/index.htm>

Results:

National Asthma Survey:

Frequency counts: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/slait/frequencies

BRFSS Asthma Call-back Survey:

Adult Asthma Prevalence Result Tables:

2006: http://www.cdc.gov/brfss/acbs/2006_tables.htm

2007: http://www.cdc.gov/brfss/acbs/2007_tables.htm

2008: http://www.cdc.gov/brfss/acbs/2008_tables.htm

2009: http://www.cdc.gov/brfss/acbs/2009_tables.htm

2010: http://www.cdc.gov/brfss/acbs/2010_tables.htm

2011: http://www.cdc.gov/brfss/acbs/2011_tables.html

2012: http://www.cdc.gov/brfss/acbs/2012_tables.html

2013: http://www.cdc.gov/brfss/acbs/2013_tables.html

2014: http://www.cdc.gov/brfss/acbs/2014_tables.html

Child Asthma Prevalence Result Tables:

Combined 2006–2010: <https://www.cdc.gov/asthma/acbs/acbstables.htm>

ACBS Results & Tables: <http://www.cdc.gov/asthma/acbs.htm>

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Summaries & Publications:

AsthmaStats: http://www.cdc.gov/asthma/asthma_stats/default.htm

ACBS Publications: http://www.cdc.gov/asthma/links_data.html

NAS Publications: http://www.cdc.gov/nchs/slait/slait_products.htm

MMWR Publications: <http://www.cdc.gov/asthma/mmwr.html>

Developed by CDC National Asthma Control Program: <http://www.cdc.gov/asthma/NACP.htm>

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